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ASSESSMENT REPORT

describing

EXCAVATOR TRENCHING, GEOPHYSICAL SURVEYS AND METALLURGICAL TESTS

at the

KLAZA PROPERTY

Klaza, Dic, Etzel, Jon-Wedge, VG, VIC,
Bull, D, J. Bill#, JBF and Eagle Claims

NTS 115I/3
Latitude 62°08´N; Longitude 137°17´W
Whitehorse Mining District
Yukon Territory

Field work conducted between June 15 and August 10, 2013

prepared by

Archer, Cathro & Associates (1981) Limited

for

ROCKHAVEN RESOURCES LTD.

by

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INTRODUCTION

The Klaza property (the Property) lies within the southern part of the Dawson Range Gold Belt in southwestern Yukon. It hosts gold-silver mineralization associated with an extensive system of subparallel vein and breccia zones, which remains open to extension in all directions. Copper-molybdenum-gold porphyry mineralization has also been discovered on the Property, but has seen little exploration to date. The Property covers an area of 7,855 hectares (78.55 km²) and is owned by Rockhaven Resources Ltd. (Rockhaven).

From June 15 to August 10, 2013, Rockhaven conducted an exploration program involving 5000 m of excavator trenching in 38 trenches. Archer, Cathro & Associates (1981) Limited (Archer Cathro) managed the exploration program. The work was completed from a tent frame camp on the Property. The authors participated in and supervised the program. Their Statements of Qualifications are located in Appendix 1 and a Statement of Expenditures in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Property is located in southwestern Yukon at latitude 62°08′ north and longitude 137°17′ west on NTS 115I/3 (Figure 1). It comprises 411 contiguous mineral claims registered with the Whitehorse Mining Recorder in the names of Rockhaven or Archer Cathro, which holds them in trust for Rockhaven. A total of 96 claims (Dic, Eagle, Etzel, VG, VIC, J. Bill#, Jon-Wedge and Bull) are subject to a 1.5% Net Smelter Return (NSR) royalty payable to Janet Dickson of Whitehorse. The other 315 claims are not subject to any underlying royalties. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

Claim Name	Grant Number	Expiry Date*
Klaza 1-2F	YC37984-YC37985	January 11, 2028
3-10	YC37986-YC37993	January 11, 2028
11-14F	YC37994-YC37997	January 11, 2028
15-17	YC37998-YC38000	January 11, 2028
18-22	YC39051-YC39055	January 11, 2028
23F-24F	YC39056-YC39057	January 11, 2028
25-40	YD09205-YD09220	January 7, 2028
43-64	YD09223-YD09244	January 7, 2028
65F-66F	YC99541-YC99542	January 11, 2028
68-129	YD07149-YD07210	January 11, 2028
133-166	YD07214-YD07247	January 11, 2028
167-308	YD119737-YD119878	January 11, 2024
309	YD110502	January 11, 2024
310-311	YC97706-YC97707	January 11, 2025
314-316	YC97722-YC97724	January 11, 2025
317-319	YC99801-YC99803	January 11, 2019
Dic 1-7	YA93470-YA93476	January 11, 2025
101-106	YB35470-YB35475	January 11, 2026
Eagle 1-12	YB35415-YB35426	January 11, 2026

Etzel 1-12	YA86336-YA86347	December 1, 2032
13-17	YA86348-YA86352	December 1, 2031
18-20	YA86353-YA86355	December 1, 2032
21-28	YA86356-YA86363	December 1, 2031
29-32	YA86364-YA86367	December 1, 2032
33	YS86368	December 1, 2028
34	YA86369	December 1, 2032
35-44	YA86370-YA86379	December 1, 2029
45-50	YA86380-YA86385	December 1, 2031
VG 1-4	YA86406-YA86409	December 1, 2029
VIC 2	YA86309	December 1, 2031
75	YC19429	December 1, 2029
76-78	YC19430-YC19432	December 1, 2032
J. Bill # 13	YA78061	February 2, 2022
14	YA78062	February 2, 2026
15-16	YA78063-YA78064	February 2, 2022
29-30	YA78077-YA78078	February 28, 2022
31-32	YA78079-YA78080	February 28, 2026
D 3-4	YB57375-YB57376	January 1, 2022
Jon-Wedge 1	YB35895	December 1, 2022
2	YB35896	December 1, 2020
Bull 1-2	YA81420-YA81421	December 1, 2028
JBF 6	YB36958	December 1, 2020
10	YB54543	December 5, 2021

*Expiry dates include 2013 work which has been filed for assessment credit but not yet accepted.

The Property is located 50 km due west of Carmacks and can be reached from Whitehorse by driving 180 km north on Highway #2 (the Klondike Highway) to Carmacks, then 60 km west on the two-wheel drive Nansen Road to the site of the former Mount Nansen Mine. The Nansen Road is a gravel road maintained by the Yukon Territorial Government. From the mine site, the road deteriorates in quality but continues approximately 14 km north to placer operations in the Klaza River valley. Rockhaven's camp and the main areas of exploration interest on the Property can be reached by a network of four-wheel drive roads and trails that connect to the Nansen Road. By road, the Property is 250 km from Whitehorse and 430 km from the year-round tidewater port at Skagway, Alaska.

HISTORY

Exploration history was mainly compiled from the Yukon Minfile Database and assessment reports submitted to the Whitehorse Mining Recorder. The assessment reports were written prior to the implementation of NI 43-101 standards for disclosure. Nonetheless, they were consistent with professional standards at the time and were accepted by the mining recorder.

Between 1937 and 2012, several operators worked on various claim groups that now lie within the boundaries of the Property (Figure 3). Although strong geochemical and geophysical

anomalies were identified by this work, follow-up trenching and drilling produced sporadic results, in part because of physical and technological limitations (early bulldozer trenches rarely reached bedrock and small diameter drill holes often gave poor core recoveries). Table 1 lists the year of work, owner/operator, claim group name, work performed and highlight results for each program.

Table 1 - Exploration History

Year of Work (Report #)	Owner/ Operator	Claim Group	Work Performed	Results
1937 (none)	K. Paulson	n/a	Prospecting.	Rumour of high-grade silver-lead float (per 091889).
1948	G. Dickson	n/a	Bulldozer trenching	n/a (per 091889).
1967 (none)	J. Smith	May	Soil sampling and bulldozer trenching.	Anomalous silver and lead soil geochemistry, but no vein was intersected by trenching (per 060737).
1968 (019090)	Esansee Explorations Limited	May	Geochemical and geophysical surveys and bulldozer trenching.	Peak soil values were 8200 ppm lead, 125 ppm silver and 800 ppm arsenic. Specimen samples of "fissure" vein cut in a bulldozer trench returned peak values of 34.3 g/t gold, 2057.1 g/t silver, 44% lead and less than 1% zinc.
1969 (060737)	Esansee Explorations Limited	May	Bulldozer trenching and road building.	A chip sample returned 15.09 g/t gold and 483 g/t silver over 1.83 m. A 14 km road (considered an extension of the Mount Nansen Mine road) was built from the Mount Nansen Mine campsite to the May claims.
1973 (Unpublished data found in Archer Cathro's files)	Area Exploration Company	Betty, Bun and Crow	Percussion (283.5 m) and diamond (776.1 m) drilling.	Two percussion drill holes (283.5 m) and three diamond drill holes (776.1 m) were completed to test a 700 by 900 m copper-in-soil geochemical anomaly.
1980 (090692 and 062050)	BRX Mining & Petroleum Corp.	Tawa	Geochemical sampling, bulldozer trenching and diamond drilling (447.3 m in 7 holes).	Soil sampling identified northwesterly-trending linear anomalies. The best interval from diamond drilling returned 8.64 g/t gold and 25.68 g/t silver over 6.0 m including 24.5 g/t gold and 50.1 g/t silver over 1.5 m (80-6).
1981 (090909)	BRX Mining & Petroleum Corp.	Tawa	Electromagnetic and proton magnetometer surveys.	Both surveys highlighted coincident, northwesterly-trending anomalies.
1985 (091915)	Kerr Addison Mines Limited	Dic	Geological, geochemical and	A total of 216 soil and 45 rock samples were collected

			geophysical surveys.	for analysis and 4.0 line kilometres of magnetic and 2.8 line kilometres of VLF-EM surveys were conducted.
1986 (091889)	Chevron Minerals Limited	Tawa	Mapping, prospecting, bulldozer trenching and an electromagnetic survey.	Deepening historical trenches returned 5.28 g/t gold and 132.0 g/t silver over 2 m. Geophysical and geochemical anomalies extended to 1900 and 2000 m, respectively.
1986 (091870)	Pearl Resources Ltd.	Etzel	Geological mapping and geochemical sampling	Geochemical sampling returning gold-in-soil values up to 310 ppb and silver-in-soil values up to 54.5 ppm. The best chip sample returned 0.99 g/t gold over 1 m.
1987 (092083)	Chevron Minerals Limited	Tawa	Road building, bulldozer trenching and claim staking.	Trench T-11 at the Klaza zone returned 4.22 g/t gold and 47.3 g/t silver over 8.0 m including 4.27 g/t gold and 86.7 g/t silver over 1.0 m. Trenching at the BRX zone intersected 3.12 g/t gold and 46.3 g/t silver over 7.0 m including 6.99 g/t gold and 41.1 g/t silver over 1.5 m (T-14) and 6.86 g/t gold and 160.1 g/t silver over 2.5 m (T-16).
1988 (092585)	Chevron Minerals Limited	Tawa	Excavator trenching (1924 m) and six diamond drill holes (377 m).	Trenching exposed a vein in T-22 that returned 16.3 g/t gold and 1,289.1 g/t silver over 1.7 m. A drill hole testing the downdip continuity of this interval returned 6.03 g/t gold and 129.9 g/t silver over 1.36 m (Hole 88-6).
1988 (092533)	Chesbar Resources Inc.	Dic	Stream sediment sampling, prospecting and trenching.	Silt sampling returned values up to 1050 ppb gold, while 75% of values were less than 10 ppb gold. Prospecting yielded a peak value of 220 ppb gold. Historical trenches (7.8 km) were deepened, but hindered by frozen ground.
1989 (Eaton, 1989)	BYG Natural Resources Inc. and Chevron Minerals Ltd.	Tawa	Road construction and excavator trenching (580 m).	n/a
1996 (093516)	BYG Natural Resources Inc.	Tawa, KR and Dic	Very low frequency electromagnetic, magnetic and	Northwesterly-trending VLF-EM and magnetic anomalies and soil geochemical values

			geochemical surveys.	up to 1,825 ppb gold and 1,049 ppm copper.
1999 (093948)	BYG Natural Resources Inc.	Gerald and Tawa	Overburden stripping and diamond drilling (307.8 m in 3 holes).	Klaza zone drilling returned: 3.82 g/t gold and 84.7 g/t silver over 5.05 m (TA-98-8). BRX zone drilling returned 0.24 g/t gold and 1.3 g/t silver over 55.75 m (TA-98-9).
2003 (094450)	Aurchem Exploration Ltd.	Etzel	Excavator trenching	The best trench result was from a clay-rich zone that graded 6.05 g/t gold and 15.3 g/t silver over 6.0 m.
2005 (Wengzynowski, 2006)	ATAC Resources Ltd.	Klaza	Staked Klaza 1-24 claims before optioning them to Bannockburn Resources Limited.	n/a
2006 (Wengzynowski, 2006)	Bannockburn Resources Limited.	Klaza	Line cutting and IP surveys.	Two positive chargeability anomalies were identified.
2009 (Turner and Tarswell, 2011)	ATAC Resources Ltd. – Rockhaven Resources Ltd.	Klaza	ATAC sold the Klaza 1-24 claims to Rockhaven Resources Ltd.	n/a
2010 (Turner and Tarswell, 2011)	Rockhaven Resources Ltd.	Klaza	Claim staking, geophysical surveying, diamond drilling, excavator trenching and soil geochemical sampling.	Best drill intercept returned 3.23 g/t gold and 117.7 g/t silver over 36.50 m. Several additional coincident geochemical and geophysical anomalies were identified. Peak soil geochemical values were 856 ppb gold, 5.8 ppm silver, 494 ppm lead and 349 ppm arsenic.
2011 (Tarswell and Turner, 2012)	Rockhaven Resources Ltd.	Klaza	Geophysical surveying, diamond and reverse circulation drilling, excavator trenching, soil geochemical sampling and air photo surveys.	Best drill intercept returned 5.43 g/t gold and 50 g/t silver over 14.80 m. Peak soil geochemical values were 320 ppb gold, 61.3 ppm silver, 606 ppm lead and 213 ppm arsenic.
2011 (from Coast Mountain Geological)	Great Bear Resources Ltd.	Etzel	Diamond drilling, excavator trenching and soil geochemical sampling.	Best drill intercept returned 0.58 g/t gold and 2.4 g/t silver over 40.65 m.
2012 (from Coast Mountain Geological)	Great Bear Resources Ltd.	Etzel	Diamond drilling, and soil geochemical sampling.	Best drill intercept returned 2.30 g/t gold and 7.0 g/t silver over 1.16 m.
2012	Rockhaven Resources Ltd.	Dic and Eagle	Purchased Dic and Eagle claims from J. Dickson	n/a

2012 (Tarswell and Turner, 2013)	Rockhaven Resources Ltd.	Klaza, Dic and Eagle	Diamond drilling, excavator trenching and soil geochemical sampling.	Best drill intercept returned 5.78 g/t gold and 111 g/t silver over 15.62 m. Peak soil geochemical values were 920 ppb gold, 20.9 ppm silver, 722 ppm lead and 1,750 ppm arsenic.
2012	Rockhaven Resources Ltd.	Etzel	Purchased Etzel claims from Ansell Capital Corp.	n/a
2012	Rockhaven Resources Ltd.	VIC, VG, J. Bill#, D, Bull, JBF and Jon-Wedge	Purchased claims from Aurchem Exploration Ltd.	n/a

The main exploration programs and results are described in more detail in the following paragraphs. All of this work was done in the eastern third of the Property.

In 1968, Esansee Explorations Limited (Esansee) completed geophysical and geochemical surveys on about 5000 m of grid lines. An electromagnetic (EM) survey identified three conductive zones (two major and one minor). Bulldozer trenching across one of these zones reportedly cut a 6 m wide gold-silver-lead bearing fissure vein, which was traced for 760 m. Specimen samples from this vein returned up to 34.3 g/t gold, 2,057 g/t silver and 44% lead with less than 1% zinc. Three hundred and fifteen grid soil samples were collected. Soil sample results included peak values of 8,200 ppm lead, 125 ppm silver and 800 ppm arsenic, and show strong positive correlation with conductive zones (Parker, 1968).

In 1969, Esansee performed trenching to follow up geophysical and geochemical anomalies identified by its earlier program. Three bulldozer cuts were made along the 760 m strike of the vein, and a fourth trench was dug on a weaker parallel structure to the northeast. All trenches across the primary structure intersected wide zones of shearing and alteration, which host irregular and discontinuous vein material with weakly disseminated galena, pyrite and arsenopyrite. Oxidation of sulphide minerals produced limonite, cerussite and anglesite. A chip sample collected from the most northwesterly trench returned 15.09 g/t gold and 483 g/t silver over 1.83 m (Campbell and Guardia, 1969). All claims in the area lapsed following this work.

Between 1971 and 1973, Area Exploration Company (Area Exploration) conducted an extensive program of percussion and diamond drilling on claims belonging to Mount Nansen Mines Ltd. Most of Area Exploration's drilling was done on a porphyry copper target (Cyprus zone) centred about 1.5 km east of the Property. Two of its percussion drill holes (283.5 m) and three of its diamond drill holes (776.1 m) lie in the southeastern part of the Property and partially tested a 700 by 900 m copper-in-soil geochemical anomaly that coincides with a magnetic low (Dickinson and Jilson, 1973). The best result from diamond drilling was 0.10% copper over 6.10 m (1973-CD-17), while the best percussion drilling result was 0.343 g/t gold, 9.94 g/t silver, 0.02% copper and 0.01% lead over 6.10 m (1971-CP-8).

In 1980, BRX Mining and Petroleum Corp. (BRX) staked the Tawa claims to cover the area where Esansee performed its work in the late 1960s. Work done in 1980 included geochemical sampling, bulldozer trenching and seven diamond drill holes (447.3 m). Soil sampling identified

linear, northwesterly trending geochemical anomalies with very high values locally. The anomalous geochemical values were not always coincident with electromagnetic anomalies identified earlier by Esansee. The bulldozer trenching program involved re-opening Esansee's trenches. The main mineralized structure exposed in the trenches reportedly strikes 110 to 140° and dips steeply to the northeast (sic). Chip sample values across vein exposures typically ranged from 1.78 g/t gold and 77.8 g/t silver over 0.06 m to 6.0 g/t gold and 54.2 g/t silver over 0.91 m, with the best interval returning 33.0 g/t gold and 607.5 g/t silver over 0.3 m (Saunders, 1980). Three of the drill holes were drilled sub-parallel to the veins and did not encounter significant mineralization. The other four diamond drill holes intersected fault and vein zones within granitic country rock. Highlight intervals from this drilling were: 8.64 g/t gold and 25.68 g/t silver over 6.0 m including 24.5 g/t gold and 50.1 g/t silver over 1.5 m (80-6); 18.86 g/t gold and 32.0 g/t silver over 0.3 m (80-2); and, 9.26 g/t gold and 65.1 g/t silver over 0.4 m (80-5). Core recovery was hindered by strong alteration and gouge, associated with the faults and veins.

In 1981, BRX conducted EM and proton magnetometer surveys on the Tawa claims. The EM survey identified a series of en-echelon, northwesterly trending anomalies, while the proton magnetometer survey delineated magnetic anomalies that correlate with the EM anomalies (Brownlee, 1981).

In 1985, Kerr Addison Mines Limited (Kerr Addison) staked the Dic 1-50 claims to cover an arsenic and antimony stream geochemical anomaly on the north side of Mount Nansen, south southwest of the Tawa claims. Kerr Addison performed geological, geochemical and geophysical surveys on the Dic claims. A total of 216 soil and 45 rock samples were collected for analysis and 4.0 line kilometres of magnetic and 2.8 line kilometres of VLF-EM surveys were conducted. The best rock sample returned 0.48 g/t gold, 88 g/t silver, 1,600 ppm arsenic and 180 ppm antimony, while soil values peaked at 400 ppb gold, 27 ppm silver, 2,000 ppm arsenic and 46 ppm antimony (Heberlein, 1986).

In 1986, Pearl Resources Ltd. performed geological mapping and geochemical sampling on the Etzel claims. Results from soil samples collected on three separate grids identified linear, northwesterly trending anomalies with maximum values of 310 ppb gold, 54.5 ppm silver, 1,980 ppm lead and 1,160 ppm zinc. A chip sample across a 1.0 m sheared vein zone returned 0.99 g/t gold (McClintock, 1986).

In 1986, Chevron Minerals Ltd. (Chevron) optioned the Tawa claims from BRX. Chevron performed geological mapping, prospecting, grid soil geochemical sampling and EM surveys before staking additional claims to cover extensions of anomalous trends. A 43.2 line kilometre EM survey was conducted and the strike lengths of known EM conductors were extended to 1,900 m. Soil sampling outlined numerous northwesterly trending clusters of anomalous gold values that ranged to a maximum of 6,258 ppb. Individual clusters are continuous for lengths up to 2,000 m. Almost 5,000 m of pre-stripping were done using a bulldozer because permafrost hindered trenching in frozen soil (Eaton, 1986). Where previously stripped trenches were deepened to bedrock, chip samples returned numerous high values including: 5.55 g/t gold and 31.2 g/t silver over 1.4 m (T-4); 3.5 g/t gold and 15.1 g/t silver over 4 m (T-4); and, 5.28 g/t gold and 132.0 g/t silver over 2 m (T-4). Trenching on virgin ground was less successful due to

permafrost; however, two significant bedrock intercepts were exposed: 5.28 g/t gold and 242.4 g/t silver over 2.5 m (T-6/7) and 2.33 g/t gold and 3.77 g/t silver over 5.0 m (T-8).

In 1986, Kerr Addison added the Dic 51 to 63 claims to its claim block and conducted line cutting, ground geophysics, soil sampling and prospecting. Results from this work were encouraging and in 1987, Kerr Addison granted Chesbar Resources Inc. (Chesbar) the right to earn an interest in the Dic claims by contributing to exploration expenditures. Work in 1987 involved pre-stripping trenches of moss and the upper soil layer (Sutherland, 1988).

In 1987, Chevron continued its exploration at the Tawa claims with pre-stripping, bulldozer trenching, road construction and claim staking. The pre-stripping and trenching program comprised 28 trenches totalling 6,385 m, of which 12 trenches totalling 1,939 m were wholly or partially excavated to bedrock. Continuous chip samples collected over 1 to 5 m intervals from trench ribs returned positive results from the Klaza and BRX zones (Walls and Eaton, 1987). The most significant result from the Klaza zone was 4.22 g/t gold and 47.3 g/t silver over 8.0 m (T-11). The best results from the BRX zone were 3.12 g/t gold and 46.3 g/t silver over 7.0 m including 6.99 g/t gold and 41.1 g/t silver over 1.5 m (T-14), and 6.86 g/t gold and 160.1 g/t silver over 2.5 m (T-16). Parallel vein structures were identified north and south of the two main zones. The best result from a new structure was 6.82 g/t gold and 17.1 g/t silver over 1 m (T-15). A 1.7 km four-by-four trail was constructed from the Nansen Road to the trenching area on the Tawa claims.

In 1988, Chevron sub-optioned the Tawa claims to BYG Natural Resources Inc. (BYG), under an agreement that allowed BYG to earn an interest in the claims by funding the next phase of exploration, which consisted of road building, pre-stripping, excavator trenching, and six diamond drill holes (377 m). All of the drilling in 1988 was done at the BRX zone, while the trenching was split between the BRX and Klaza zones (Walls and Eaton, 1988). Results from trenching better defined the known veins and identified a third vein (BYG zone) approximately half-way between them. The best assay from the BRX zone was 16.3 g/t gold and 1289.1 g/t silver over 1.7 m (T-22). The Klaza zone was delineated over a strike length of 250 m with the best trench exposures grading 43.06 g/t gold and 102 g/t silver over 1.1 m and 4.22 g/t gold and 92 g/t silver over 8.0 m. One trench tested the BYG zone and it cut three veins about 40 m apart. One of these veins returned 6.03 g/t gold and 24.0 g/t silver over 3.3 m (T-25). Drilling intersected numerous veins that were variably mineralized. The best drill result was 6.03 g/t gold and 129.9 g/t silver over 1.36 m (Hole 88-6), which is downdip of the vein exposed in T-22 (16.3 g/t gold and 1289.1 g/t silver over 1.7 m).

In 1988, Chesbar conducted stream sediment sampling, prospecting and excavator trenching on the Dic claims. Forty-four silt samples were collected at 100 m intervals along sub-parallel drainages. Gold values from this sampling were generally less than 10 ppb, but anomalous values up to 1,050 ppb were reported. Rock geochemical values were background to weakly elevated, with a peak of 220 ppb gold. Although 7.8 km of trenches were pre-stripped, unseasonably high precipitation resulted in less than 20 cm of overburden being removed from each of them (Sutherland, 1988).

BYG's 1989 work program on the Tawa claims comprised road building and three excavator trenches totalling 580 m. Due to frozen ground, none of these trenches reached bedrock (Eaton, 1989).

In 1996, BYG conducted geochemical sampling and very low frequency electromagnetic (VLF-EM) and magnetic surveys on the Tawa claims and KR claims, located to the west. The magnetic survey identified northwest-trending linear magnetic highs and lows, which merge to the east into a large magnetic high. The magnetic lows appear to be related to geological structures or contacts (Dujakovic et al., 1996). The VLF-EM survey delineated three major structures offset by northerly striking faults. In general, the VLF-EM highs and magnetic lows coincide. Four soil grids were sampled. The strongest coincident gold and copper soil geochemical values were obtained along the eastern side of the Tawa claims where peak values were 1,825 ppb gold and 1,049 ppm copper, respectively.

In 1998, BYG preformed an exploration program at the Tawa claims that included stripping of overburden from the surface trace of VLF-EM and magnetic anomalies and three diamond drill holes (307.8 m). Two holes (TA-98-7 and 98-8) targeted the Klaza zone, while the third hole (TA-98-9) tested the BYG zone. Hole TA-98-7 intersected a weakly altered porphyry dyke with widespread potassic alteration that graded up to 0.9 g/t gold. Hole TA-98-8 intersected an altered porphyry dyke with high-grade gold-silver veins in its footwall. Samples of vein, dyke and breccia averaged 3.82 g/t gold and 84.7 g/t silver over 5.05 m, including a high-grade vein sample that returned 17.1 g/t gold and 159.2 g/t silver over 1.05 m (Stroshein, 1999). Hole TA-98-9 intersected a quartz-sulphide stockwork that averaged 0.24 g/t gold and 1.3 g/t silver over 55.75 m. Subsequent to the 1998 drill program, BYG filed for bankruptcy and all of its claims went into receivership.

In 2003, Aurchem Exploration Ltd. (Aurchem) performed limited excavator trenching on the Etzel claims in what is now the southeastern part of the property. These trenches tested altered granodiorite, feldspar porphyry dykes and shear zones. The best results were 1.0 g/t gold and 58 g/t silver over 2.5 m (T-2) and 6.05 g/t gold and 15.3 g/t silver across 6.0 m (T-4). A 21.5 m wide, northwesterly trending clay-rich zone returned 0.85 g/t gold and 4.5 g/t silver over 12 m (Stroshein, 2003).

In 2005, ATAC Resources Ltd. (ATAC) staked the Klaza 1-24 claims, which cover much of the old Tawa claims and form the core of the Property. ATAC subsequently optioned the claims to Bannockburn Resources Limited (Bannockburn).

In 2006, Bannockburn performed line cutting and IP surveying on the Klaza claims. A 1,450 by 1,800 m area was surveyed in the eastern parts of the Klaza and BRX zones. The survey identified two chargeability highs with coincident resistivity lows (Wengzynowski, 2006). In 2008, Bannockburn relinquished its option.

In 2009, Rockhaven purchased the Klaza claims from ATAC.

In 2010, Rockhaven staked additional claims and performed approximately 8,000 m of trenching in 21 trenches, 1,642.08 m of diamond drilling in 11 holes, 326 line kilometres of helicopter-

borne geophysical surveys and soil sampling (289 samples) (Turner and Tarswell, 2011). Results from this exploration are discussed in subsequent sections.

In 2011, Rockhaven performed 14,068.45 m of diamond drilling in 52 holes, 2,940 m of reverse circulation percussion drilling in 21 holes, 4,050 m of excavator trenching in 12 trenches, soil geochemical sampling (2,798 samples), petrographic studies and road building (Tarswell and Turner, 2012). Results from this exploration are discussed in subsequent sections.

In June 2011, Ansell Capital Corp. (Ansell) purchased the Etzel claims from Aurchem and then optioned them to Great Bear Resources Ltd. (Great Bear). Great Bear completed three diamond drill holes (696.17 m), four excavator trenches (255.70 m) and grid soil sampling (478 samples). Drilling identified multiple narrow mineralized zones hosted within fresh to strongly limonite altered granodiorite. The best interval returned 1.94 g/t gold and 11.85 g/t silver over 2.60 m (ET-11-01). Trenching yielded a peak result of 2.80 g/t gold and 5.8 g/t silver over 10.4 m (Dadson and Amy, 2012). Great Bear followed up with a three hole diamond drill program (930.25 m) in 2012 to test for the eastern extension of the Klaza zone. The best result was from ET-2012-06, which returned 1.79 g/t gold, 50.0 g/t silver and 1.409% copper over 1.62 m (Great Bear Resources Ltd, 2012). Great Bear subsequently relinquished its option.

In fall 2011, Rockhaven purchased the Dic and Eagle claims from Aurchem. These claims adjoin the Klaza claims and are the southernmost claims on the Property.

In 2012, Rockhaven purchased the Etzel claims from Ansell and the VG, VIC, J. Bill#, D, Bull, JBF and Jon-Wedge claims from Aurchem. These claims now form the eastern edge of the Property. From May to September 2012, Rockhaven conducted an exploration program involving: i) 21,719.47 m of diamond drilling; ii) 3,964 m of excavator trenching; and, iii) soil geochemical sampling (Tarswell and Turner, 2013). Results from this exploration are discussed in subsequent sections.

There have been no historical mineral resource estimates for the Property and it has never been put into production.

GEOMORPHOLOGY

The eastern part of the Property covers a broad rounded ridge that lies between Mount Nansen and the Klaza River. The rest of the Property is mostly underlain by low hills and valley bottom, flanking the Klaza River. Creeks draining the Property flow directly into the Klaza River or southeast to Nansen Creek, both of which flow into the Nisling River, which ultimately connects to the Pacific Ocean via the Yukon River.

Local elevations range from 1200 to 1500 m above sea level. The area escaped Pleistocene continental glaciation but experienced some local Pleistocene to Holocene valley and alpine glaciation. Outcrop is nonexistent across most of the Property and overburden typically consists of a few centimetres of organics, 0 to 5 cm of volcanic ash and up to 200 cm of loess and immature soil mixed with locally derived rock fragments, over deeply weathered bedrock. At lower elevations,

thick layers of fluvial material, glaciofluvial outwash and till blanket the valley floors. Permafrost is extensive, particularly on north- and west-facing slopes.

The area has a continental climate with low levels of precipitation and a wide temperature range. Summers are normally pleasant with extended daylight hours whereas winters are long and cold. Although summers are relatively warm, snowfall can occur in any month at higher elevations. Treeline is at 1200 m on north facing slopes and about 1400 m on south facing slopes. Areas above treeline are vegetated with low-lying grass, staghorn moss and sparse brush. The density and size of vegetation gradually increases toward lower slopes and valley bottoms, where stunted spruce are surrounded by an understory of dwarf birch and a thick layer of sphagnum moss.

GEOLOGICAL SETTING

The area containing the Property was visited by J.B. Tyrrell and D.D. Cairnes for the Geological Survey of Canada in 1898 and 1914, respectively, and has been mapped by H.S. Bostock (1936), D.J. Tempelman-Kluit (1974 and 1984) and G.G. Carlson (1987). The geology was revised in a compilation by Gordey and Makepeace (2000) and is updated periodically by Yukon Geological Survey (YGS) as new data becomes available (YGS, 2013). The following discussion is primarily based on maps prepared by Gordey and Makepeace and the YGS website.

The Property lies within the Yukon-Tanana Terrane (YTT) approximately 100 km southwest of the Tintina Fault and 100 km northeast of the Denali Fault (Figure 4). YTT comprises a variety of Proterozoic and Paleozoic metavolcanic, metasedimentary and metaplutonic rocks, and represents both arc and back-arc environments (Colpron et al., 2006; Piercey et al., 2006). The Tintina Fault is a transcurrent structure that experienced about 450 km of dextral strike-slip movement during the Eocene. This movement offset an outlier of YTT in the Finlayson Lake District of southeastern Yukon from the main body of YTT, which lies southwest of the fault. The Denali Fault is another major transcurrent structure that has seen hundreds of kilometers of dextral strike-slip movement.

Regional stratigraphy in the area of the Property is summarized in Table 2. The basement rocks are mainly schists and gneisses, which include meta-igneous gneisses (Pelly Gneiss), metasedimentary and metavolcanic rocks (Nisling) and enigmatic ultramafic and mafic units (Amphibolite). Basement rocks are cut by weakly foliated plutonic rocks (Long Lake Suite) that were metamorphosed and uplifted in the Jurassic, along with the schists and gneisses. The youngest rocks are unfoliated and are represented by four plutonic/volcanic events that occurred in the Cretaceous and Tertiary (Whitehorse Suite, Mount Nansen, Prospector Mountain Suite and Carmacks). Local geology in the area of the Property is shown on Figure 5.

Table 2 – Regional Lithologies

UPPER CRETACEOUS

uKC

uKC: CARMACKS
a volcanic succession dominated by basic volcanic strata (1), but including felsic volcanic rocks dominantly (?) at the base of the succession (2) and locally, basal clastic strata (3) (70 ma approx):

1. augite olivine basalt and breccia; hornblende feldspar porphyry andesite and dacite flows; vesicular, augite phyric andesite and trachyte; minor sandy tuff, granite boulder conglomerate, agglomerate and associated epiclastic rocks **(Carmacks Gp., Little Ridge Volcanics, Casino Volcanics)**
2. acid vitric crystal tuff, lapilli tuff and welded tuff including feeder plugs and necks; felsic volcanic flow rocks and quartz feldspar porphyries; green and purple massive tuff-breccia with feldspar phyric fragments **(Carmacks Gp., Donjek Volcanics, some rocks formerly mapped as Mount Nansen Gp.; the felsic part of the Carmacks Gp. is difficult to distinguish from similar Tertiary and Mid-Cretaceous (Mount Nansen) felsic volcanic strata)**
3. medium bedded, poorly sorted, coarse to fine grained sandstone, pebble conglomerate, shale, tuff, and coal; massive to thick bedded locally derived granite or quartzite pebble to boulder conglomerate **(Carmacks Gp.)**

LATE CRETACEOUS TO TERTIARY

LKP

LKP: PROSPECTOR MOUNTAIN SUITE
grey, fine to coarse grained, massive, granitic rocks of felsic (q), intermediate (g) and rarely mafic (d) composition plus related felsic dykes (f):

q. quartz monzonite, biotite quartz rich granite; porphyritic alaskite and granite with plagioclase and quartz-eye phenocrysts; biotite and hornblende quartz monzodiorite, granite, and leucocratic granodiorite with local alkali feldspar phenocrysts **(Prospector Mountain Suite, Carcross Pluton)**

g. hornblende-biotite granodiorite, hornblende diorite, quartz diorite **(Wheaton Valley Granodiorite)**

d. coarsely crystalline gabbro and diorite

f. quartz-feldspar porphyry

MID-CRETACEOUS

mKN

mKN: MOUNT NANSEN
massive aphyric or feldspar-phyric andesite to dacite flows, breccia and tuff; massive, heterolithic, quartz- and feldspar-phyric, felsic lapilli tuff; flow-banded quartz-phyric rhyolite and quartz-feldspar porphyry plugs, dykes, sills and breccia **(Mount Nansen Gp., Byng Creek Volcanics, Hutshi Gp.)**

MID-CRETACEOUS

mKW

mKW: WHITEHORSE SUITE
grey, medium to coarse grained, generally equigranular granitic rocks of felsic (q), intermediate (g), locally mafic (d) and rarely syenitic (y) composition:

q. biotite quartz-monzonite, biotite granite and leucogranite, pink granophyric quartz monzonite, porphyritic biotite leucogranite, locally porphyritic (K-feldspar) hornblende monzonite to syenite, and locally porphyritic leucocratic quartz monzonite **(Mount McIntyre Suite, Whitehorse Suite, Casino Intrusions, Mount Ward Granite, Coffee Creek Granite)**

g. biotite-hornblende granodiorite, hornblende quartz diorite and hornblende diorite; leucocratic, biotite hornblende granodiorite locally with sparse grey and pink potassium feldspar phenocrysts **(Whitehorse Suite, Casino Granodiorite, McClintock Granodiorite, Nisling Range Granodiorite)**

d. hornblende diorite, biotite-hornblende quartz diorite and mesocratic, often strongly magnetic, hypersthene-hornblende diorite, quartz diorite and gabbro **(Whitehorse Suite, Coast Intrusions)**

y. hornblende syenite, grading to granite or granodiorite **(Whitehorse Suite)**

EARLY JURASSIC

EJL

EJL: LONG LAKE SUITE
mostly felsic granitic rocks (q) but locally grading to syenitic (y):

q. massive to weakly foliated, fine to coarse grained biotite, biotite-muscovite and biotite-hornblende quartz monzonite to granite, including abundant pegmatite and aplite phases; commonly K-feldspar megacrystic **(Long Lake Suite)**

y. resistant, dark weathering, massive, coarse to very coarse grained and porphyritic, mesocratic hornblende syenite; locally sheared, commonly fractured and saussuritized; locally has well developed layering of aligned pink K-feldspar tablets **(Big Creek Syenite)**

PROTEROZOIC AND PALEOZOIC

PPa

PPa: AMPHIBOLITE
metamorphosed mafic rocks including amphibolite (1) and ultramafic rocks (2) of unknown association; i.e. may belong in part or entirely to Nisling, Nasina, and Slide Mountain assemblages and (3), mafic-ultramafic intrusions within Nasina assemblage

LATE DEVONIAN TO MISSISSIPPIAN

DMPW

DMPW: PELLY GNEISS SUITE
variably deformed granitic rocks of predominantly felsic (q) to intermediate composition (g) southwest of Tintina Fault:

q. foliated equigranular medium grained muscovite quartz monzonite; moderately to strongly foliated K-feldspar augen bearing quartz monzonitic to granitic gneiss **(S. Fiftymile Batholith, Mount Burnham Orthogneiss)**

g. foliated medium grained, homogeneous biotite granite gneiss to biotite or hornblende granodiorite gneiss; massive to strongly foliated dioritic to granodioritic gneiss; includes interfoliated amphibolite, quartz-mica schist and phyllite **(Selwyn Gneiss, Pelly Gneiss, N. Fiftymile Batholith, Moose Creek Orthogneiss)**

LATE PROTEROZOIC AND PALEOZOIC

PPN

PPN: NISLING ASSEMBLAGE
assemblage characterized by mica quartz feldspar schist (1) and abundant locally thick limestone (2) members; includes possibly equivalent strata northeast of Tintina Fault(3):

1. dark grey to brown, biotite-muscovite-quartz-feldspar schist, quartzite and micaceous quartzite, garnetiferous; felsic chlorite-biotite orthogneiss; rare amphibolite; minor (?) two-mica gneiss and hornblende diorite gneiss; may include Nasina assem. **(Nisling assemblage)**
2. bleached white weathering, white to grey, coarsely crystalline, flow banded, fetid marble; graphite, chert, metabasite and calcsilicate lamina are common **(Nisling assemblage)**
3. calcareous quartz psammite, marble, calcareous chlorite-biotite schist and calcsilicate; calcareous garnet-biotite-muscovite schist, rare

amphibolite; biotite-quartz-muscovite schist and lesser quartz-feldspar-muscovite augen schist **(assignment uncertain, could belong to Nasina assemblage)**

PROPERTY GEOLOGY

Detailed mapping on the Property has been limited by sparse outcrop exposures and extensive vegetation cover. Cursory mapping has been done on the flank of Mount Nansen and on frost boils in the Klaza River valley (Aho, 1975). The geology map shown on Figure 5 has been interpreted from regional mapping, trenching, drilling and magnetic data.

The oldest exposed unit on the Property is a pluton of the Early Jurassic Long Lake Suite, which outcrops in the northeast corner. Most of the Property is underlain by Mid-Cretaceous Whitehorse Suite granodiorite. This granodiorite contains 30% hornblende and biotite. It is coarse grained and non-foliated. Two phases of Late Cretaceous Prospector Mountain Suite intrusive rocks are documented within the Property – feldspar porphyry (LKfP) and quartz-rich granite to quartz monzonite (LKqP). A large LKfP stock in the southwestern part of the Property makes up the Mount Nansen massif, while a smaller LKqP stock that intrudes granodiorite in the southeast corner is thought to be the main heat source for hydrothermal cells responsible for mineralization on the Property (see Mount Nansen Porphyry Complex in the Mineralization and Metallurgy section). A series of northwesterly-trending feldspar porphyry dykes cut the Whitehorse Suite granodiorite in the main area of interest. These porphyry dykes are up to 30 m wide and consist of buff aphanitic groundmass containing up to 15% orthoclase phenocrysts (1 to 2 mm) with minor biotite and rare quartz phenocrysts. Commonly the dykes occupy the same structural zones as the mineralized veins, and they are often strongly fractured. Sub-aerial volcanic and volcaniclastic rocks belonging to the Mount Nansen and Carmacks volcanics are found on the periphery of the Property. They include medium green to grey andesite flows and pyroclastic rocks with occasional buff to tan rhyolitic tuff.

Two main fault trends (NW and NE) are present on the Property. The first set strikes northwesterly and dips between 60 and 80° to the southwest. Although these faults lack strong topographic expression, they are very important, because they host mineralized veins and breccia zones and appear to control the distribution of porphyry dykes. The second main set of faults strikes northeasterly and dips sub-vertically. They form prominent topographic linears and offset the mineralized zones. These faults vary in their sense and magnitude of displacement. The exact relationship between these structures and the mineralized northwesterly trending structures is still uncertain, but they appear to have been in part coeval and played an important role in ground preparation. The best mineralized intervals are often developed in dilatant zones on the east sides of the cross-faults.

A third set of structures was identified by three dimensional modelling in 2012. These structures are slightly oblique to the main mineralized faults, striking more westerly. They are less continuous but are often well mineralized. The junctions between these structures and the main mineralized faults also appear to be preferred locations for thick sections of better grade material.

MINERALIZATION AND METALLURGY

General

The Property lies within the northern part of the Mount Nansen Gold Camp (MNGC), a northwest trending structural corridor that hosts more than 30 known mineral occurrences. Mineralization within the MNGC exhibits zonation from weak porphyry copper-molybdenum zones outward to mesothermal and epithermal veins. The hydrothermal system that deposited the mineralization at the Property is centred around potassic altered cores related to the Prospector Mountain Suite (Hart and Langdon, 1997).

Exploration on the Property has identified nine main mineralized zones developed on the western flank of a broad, poorly defined porphyry system (Figure 6). The zones lie within a 2 km wide structural corridor that cuts northwesterly through Mid-Cretaceous granodiorite country rocks. Individual zones exhibit exceptional lateral and downdip continuity and all of them remain open for extension along strike and to depth. From south to north, the zones are named Chevron, Dickson, AEX, BRX, Pika, Herc, BYG, Klaza and Pearl. Historical exploration has focused mainly on the Klaza and BRX zones.

Most of the mineralization discovered to date on the Property consists of fault-controlled, gold and silver bearing veins and breccias hosted within the nine main structural zones and numerous sub-parallel, subsidiary structures. The main zones range from 1 to 100 m wide and are intimately associated with feldspar porphyry dykes. The mineralization occurs within sheeted veins and veinlets and some tabular breccia bodies. The host granodiorite exhibits pervasive weak argillic alteration within the zones and up to 30 m around them. Sericitization and potassic alteration are found directly adjacent to hydrothermal channel ways. The granodiorite is magnetite bearing except where strongly altered around mineralized structures. Depth of oxidation ranges from 5 to 100 m below surface, depending on fracture intensity, the type of mineralization and local geomorphology. The deepest weathering occurs in wide, pyritic veins located along ridge tops or on south facing slopes.

Detailed evaluations of drill results and measurements taken from trench exposures have identified two main structural orientations that host mineralization. The primary structural set strikes between 135˚ and 155˚ and dips 60˚ to 80˚ to the southwest. The secondary mineralized trend strikes between 110˚ and 130˚and dips 60˚ to 70˚ to the south. The secondary structures may represent either riedel shears of the primary structural set or a separate structural event altogether. Some of the best gold mineralization is localized in areas where these two structural trends converge. The plunge of these convergent structural sets is towards the southeast where the mineralizing porphyry complex is located.

Petrographic analysis completed in 2011 by John Payne, Ph.D., P.Geol. of Vancouver Petrographics identified veins, veinlets and breccias hosting disseminated to semi-massive pyrite, arsenopyrite, galena, sphalerite, stibnite and jamesonite in quartz, carbonate and barite gangue. The sulphide minerals typically comprise 1 to 10% of the rock, often increasing to between 20 and 80% over 25 to 200 cm intervals. The petrographic work also identified native gold/electrum (Tarswell and Turner, 2012).

Quartz is the dominant gangue mineral in veins on the property. It occurs in a variety of textures including chalcedonic, comb, banded, speckled and vuggy. Smoky quartz is the most common colour variation; however, milky and clear quartz are locally abundant. Carbonate, consisting mainly as ankerite, is also present in most veins – typically ranging between 5 to 20% of the veins by volume.

Breccias form tabular bodies consisting of heterolithic wallrock clasts, which include granodiorite and various volcanic lithologies, in matrices enriched in fine-grained, disseminated to blebby pyrite, arsenopyrite, sphalerite and galena. Breccias are mostly observed within drill core from the Klaza zone where they range up to 2 m in width.

Mineralization within most structures is spatially and probably genetically related to porphyry dykes, which strike west-northwesterly and dip steeply to moderately toward the south. The dykes pinch and swell in three dimensions and are usually barren of gold, silver, sulphide minerals and magnetite. Some movement on the related faults must post-date emplacement of the dykes, because they are occasionally cut by mineralized veins.

Two parallel, northeast trending faults cut across the northwestern portion of the Klaza and BRX zones. The eastern of these two cross-faults appears to offset the western sections of the mineralized structures about 100 m to the south; however, the exact sense of motion is uncertain. Detailed exploration has not been conducted yet on the western side of the westerly fault, so displacement on it has not been determined. The relative timing of movement on the fault sets has not yet been determined, but the cross-faults are thought to be coeval with or, slightly later than, the primary mineralized structures. Some of the best mineralized sections of the main structures occur in what appear to be dilatant zones immediately east of the cross-faults. Drill holes and trenches are aligned sub-parallel to the orientation of the cross-faults; thus, only a few holes have intersected them. Some mineralized intercepts are reported within sections of the cross-faults, the best of which graded 17.65 g/t gold and 119 g/t silver over 1.05 m. The extent to which the cross-faults are mineralized is not yet known. In the Klaza zone, the easterly cross-fault marks a sharp change in mineralogy and metal ratios, which suggests there may be some vertical displacement with the west side down. A similar shift to more zinc and higher silver-to-gold ratios is not observed in the corresponding section of the BRX zone.

Structurally-controlled mineralization on the Property is believed to be related to the Late Cretaceous or Tertiary age hydrothermal system – the Mount Nansen Porphyry Complex (MNPC) - centred to the southeast. Almost all of Rockhaven's drilling has been done in the distal part of the hydrothermal system where copper-deficient precious metal rich veins predominate. Previous exploration by other parties closer to the centre of the MNPC discovered porphyry-style copper-molybdenum mineralization in two locations – each cored by zones of potassic alteration (Figure 6).

The larger, eastern porphyry zone (Cyprus zone) is centred about 1.5 km southeast of the Property. It was explored in the late 1960s and early 1970s with approximately 4500 m of drilling in 26 holes. Average hypogene grades of 0.12% copper and 0.01% molybdenum were found at depths exceeding 60 to 90 m below surface. Hypogene copper grades are approximately double those in the overlying leached cap. There is no significant supergene

enrichment zone. Locally higher grade zones (0.6% copper and 0.06% molybdenum) and elevated precious metal values are associated with intensive fracturing (Sawyer and Dickinson, 1976). These metal enriched zones are found in weakly potassic altered areas within the dominantly phyllic altered porphyry system. The potassic altered zones often feature tourmaline breccias, abundant quartz veining and/or secondary biotite.

The western porphyry zone (Kelly zone) is mostly located on the Property and was explored as early as 1973. The Kelly zone is defined by coincident geochemical and geophysical anomalies, including: 1) strongly elevated gold, copper and molybdenum soil geochemical response; 2) high chargeabilities with moderate resistivities; and, 3) low magnetic susceptibility observed in both ground and airborne surveys. The coincident anomalies cover a semi-circular area approximately 2500 m across. Trenching and diamond drilling done in 2012 by Rockhaven on the western edge of the Kelly zone, discovered minor chalcopyrite, chalcocite and molybdenum, with rare bornite. This mineralization is hosted in several, 25 to 100 m wide bands of strongly phyllic altered and heavily quartz veined granodiorite, which are separated by barren porphyry dykes (see Excavator Trenching and Diamond Drilling section for assays).

Individual Zones

Nine main mineralized structural zones have been identified to date on the property. Most historical work focused on the eastern and central parts of the BRX zone. Since 2010, Rockhaven has shifted the focus toward the Klaza zone and western part of the BRX zone. Four of the nine zones were discovered in 2012 or 2013, and therefore have received relatively little drilling and trenching.

The Klaza zone, which has received the most systematic and deepest exploration, shows strong evidence of metal zonation. Much work will have to be done to determine whether or not this type of zonation is present elsewhere on the Property. Key information pertaining to individual zones is provided in Table 3.

Table 3 - Summary of Mineralized Zones

Zone ID	Number of Excavator Trenches (2010-2013)	Number of Diamond Drill Holes (2010-2012)	Average Number of Veins/ Width of Zone (m)	Max. Downdip Drill Intercept (m)	Strike Length (m)	Dominant Metal Signature
FAR EASTERN	3	3	20/150	75	300	Au, Cu, Ag
EASTERN KLAZA	6	18	15 / 100	180	1300	Au, Cu, Ag
CENTRAL KLAZA	5	37	5 / 30	325	550	Au, Ag, Pb, Zn
WESTERN KLAZA	6	13	2 / 4	200	550	Ag, Au, Pb, Zn
BRX	16	36	2 / 6	400	2400	Au, Ag, Pb, Zn
PIKA	5	10	1 / 2	250	740	Au, Ag, Pb, Zn
AEX	8	12	1 / 2	310	1650	Au, Ag, Pb, Zn
BYG	6	18	2 / 4	150	650	Au, Ag, Pb, Zn
DICKSON	3	9	1 / 3	100	450	Au, Ag, Pb, Zn
HERC	4	6	1 / 2	310	460	Au, Ag, Pb, Zn
CHEVRON	1	2	2 / 3	90	250	Au, Ag, Pb, Zn
PEARL	2	0	1/1	0	450	Au, Ag, Pb, Zn

To date, drilling and trenching have confirmed a total of 9.75 km of mineralized strike length on the nine main zones. All of the zones remain open to extension along strike and downdip, and there is good potential for discovery of additional mineralized zones further into the hanging wall (south) and footwall (north) of the 2000 m wide band containing the nine known mineralized zones.

Deposit Style Classification

Textures and mineralogy observed at the Property are consistent with Carbonate Base Metal (CBM) deposits. This class of deposits has not been identified elsewhere in Yukon, but some researchers have recognized that mineralization at the Property resembles mineralization at what are now categorized as CBM deposits (Smuk, 1999). Deposits of this type have mainly been discovered around the Pacific Rim. They include multi-million ounce gold deposits such as Porgera (New Guinea), Buritica (Columbia) and Kelian (Indonesia). CBM deposits are formed by the mixing of rising mineralized fluids with bicarbonate waters (Corbett and Leach, 1998). Mineralization styles are highly zoned, depending on the crustal level of the system, with silver-rich CBMs formed at higher levels. Key diagnostic features of these deposits are compared to features observed at the Property in Table 4:

Table 4 - CBM Comparison with Klaza

Diagnostic Features of CBM Deposits	Diagnostic Features of Klaza Mineralization
Mineralization hosted in veins and breccias	Mineralization hosted in veins and breccias
Large vertical extent of mineralization (> 1000 m)	Large vertical extent of mineralization (400 m and open to depth)
Gold and silver generally well liberated (native or in electrum)	Gold and silver generally well liberated (native gold, electrum and silver in tetrahedrite)
Veins and breccias emplaced adjacent to mineralizing intrusive	Veins and breccias emplaced adjacent to mineralizing intrusive
Carbonate (dominant), quartz, pyrite, sphalerite and galena gangue	Quartz (dominant), carbonate, pyrite, sphalerite and galena gangue
Multiple mineralized structures with long strike lengths (> 700 m)	Multiple (nine) mineralized structures with long strike lengths (>2400 m)
Bonanza grade gold mineralization	Some bonanza grade intercepts

Although more studies have to be completed at the Property to definitively classify the deposit type, key characteristics are generally consistent with the CBM model.

Cyanide Recovery Tests for Oxidized Material

Cyanide leachability tests on fully and partially oxidized mineralization were completed at ALS Minerals in North Vancouver in fall of 2012 and 2013. These tests were done on coarse reject material from 2012 excavator trench samples and drill core from near-surface intercepts, and 2013 excavator trench samples. The locations of the drill holes and trenches from which these samples were collected are shown on figure 7. Key data concerning the cyanidation tests are shown in Appendix III. Results from the tests are summarized in Table 5.

Table 5 - Cyanidation Test Results

Sample Type	Number of Samples Analyzed	% Au Recovery Average (range)	% Ag Recovery Average (range)
Trench-2012	30	90 (57 - 138)	59 (15 - 96)
Drill-2012	21	57 (20 - 105)	48 (15 - 76)
Trench-2013	204	77 (11 - 100)	56 (12 – 100)

These tests indicate that relatively high gold and silver recoveries can be achieved from near-surface, almost completely oxidized vein material using cyanidation techniques, but that recoveries will likely drop off in deeper, partially oxidized mineralization. Further work will have to be done to delineate the oxide-sulphide interface and to better characterize recoveries in the transition zone, along the lengths of the mineralized structures, before the amount of material that could be amenable to cyanidation can be reliably estimated.

Mineralogy, Mineral Processing and Metallurgical Testing for Sulphide Material

A detailed deportment and scoping study, including mineralogical, mineral processing and metallurgical investigations, was undertaken on material from the Property. This work was completed at SGS Canada Inc. in their Vancouver facility throughout 2013 and early 2014. The full report received from SGS Canada Inc. is provided in Appendix IV, with key information summarized as follows.

The test work was conducted on four composites of drill core, representing distinct areas within two of the known zones of mineralization. The work encompassed preparation and analyses of the composites, a gold and silver deportment study, gravity recoverable gold and silver tests, preliminary flotation tests, and cyanide leach tests.

Composite Preparation & Analyses

A total of 55 samples, comprising four composites, were submitted for gold/silver deportment and subsequent scoping study work. The composites were chosen to represent distinct areas of similar mineralization. The locations of the holes from which these samples were sourced are shown in Figure 7. The figure is accompanied by an excel sheet showing the gold and silver values along with detailed sample information for each sample used.

Samples were received by SGS at its Burnaby facility in mid-March, 2012. Four, 10 kg composites were prepared from the constituent samples on a weighted basis, according to their intersection widths. A split of each composite was then submitted for a head analysis, with gold and silver by fire assay and other elements by ICP. Table 6 provides an outline of the four composites, their respective zones and head assays of key elements.

Table 6 - Test Composites' Composition and Assay Head Grades for Key Elements

Composite	Zone	Sample Count	Au (g/t)	Ag (g/t)	Pb (%)	Zn (%)
A	Eastern BRX	14	5.41	49.8	0.59%	0.19%
B	Eastern Klaza	18	4.64	79.3	0.50%	0.59%
C	Western BRX	10	7.02	205.0	1.56%	2.14%
D*	Western Klaza	15	5.06	290	2.65%	1.28%

**Note: The quantity of Composite D remaining after deportment work was less than required for the scoping work. Two additional samples from the same zone were added as make-up material. The head assay and sample count shown for Composite D is representative of the composite following addition of these extra samples. All other composites were the same for both the deportment study and subsequent metallurgical work.*

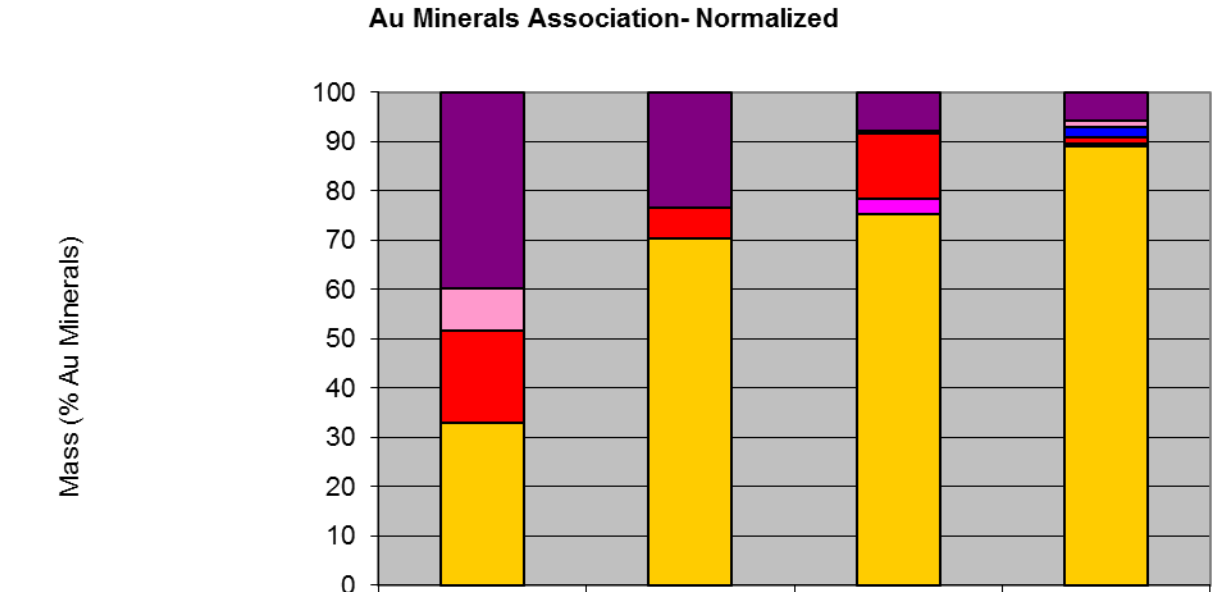
Gold and Silver Deportment and Mineralogy

A gold and silver deportment study was conducted on each of the four composites. This study used a combination of optical microscopy and Quantitative Mineralogy (QEMSCAN) as well as preconcentration through heavy liquid separation, superpanning and mozley tabling. Results from this study include analysis of sulphide composition and distribution as well as the size, composition and association of silver and gold-bearing minerals.

The composites were primarily made up of quartz and micas, with pyrite being the most prominent sulphide mineral present. Other sulphides reported in elevated concentrations are arsenopyrite, sphalerite and galena. Sphalerite and galena were most prominent in Composites C and D. Gold occurs as either native gold or electrum, with silver found in electrum, tetrahedrite, pyrargyrite and several other silver minerals.

Gold is mostly either liberated or found in complex mineral associations. Composite A also shows 18.5% of gold is associated with pyrite. Table 7 shows the normalized mineral associations for gold.

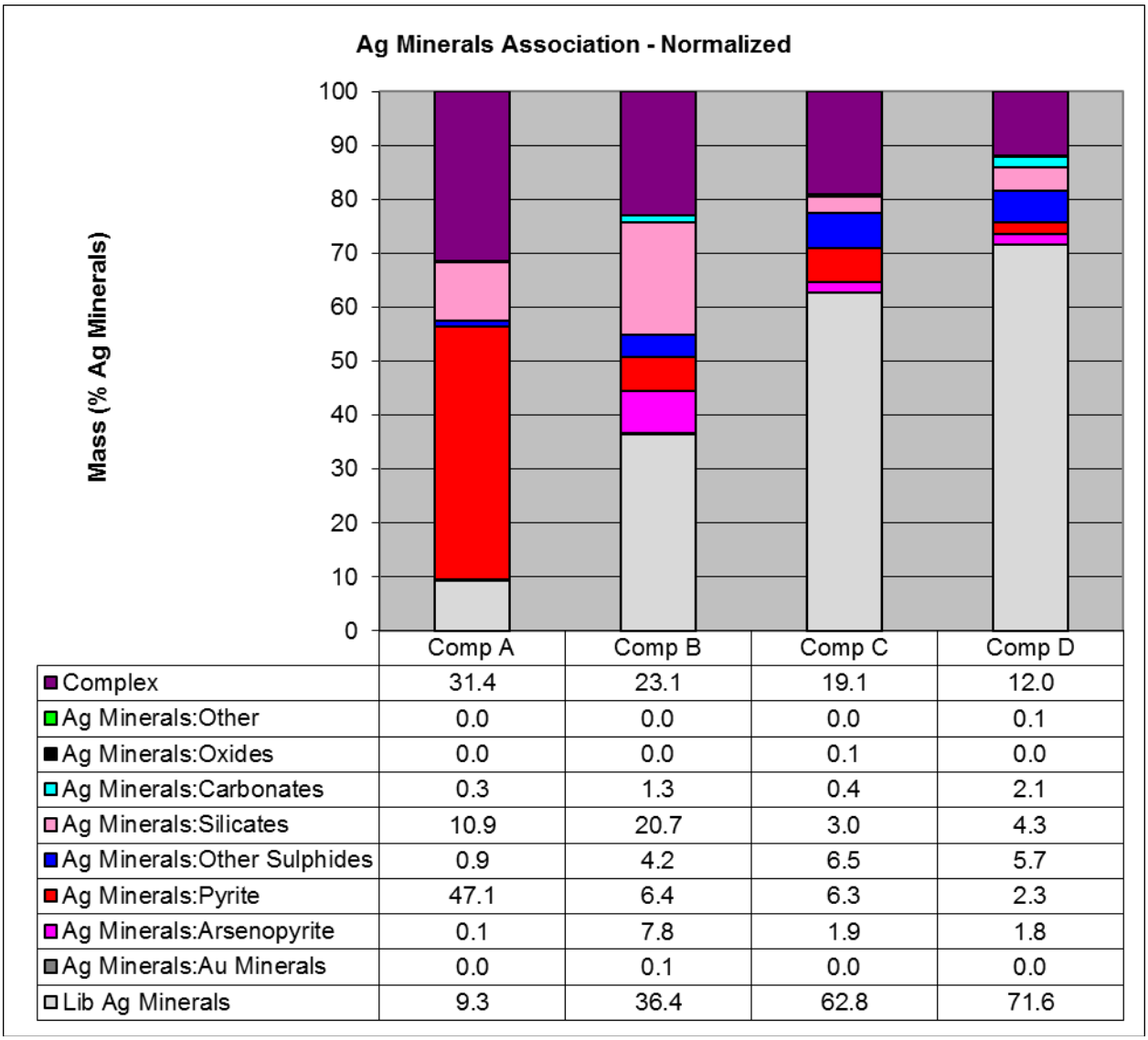
Table 7 - Au Minerals Association (Normalized)



	Comp A	Comp B	Comp C	Comp D
Complex	39.8	23.5	7.8	5.8
Au Minerals:Other	0.0	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0	0.0
Au Minerals:Silicates	8.5	0.0	0.0	1.2
Au Minerals:Other Sulphides	0.1	0.0	0.5	2.0
Au Minerals:Pyrite	18.5	6.1	13.3	1.3
Au Minerals:Arsenopyrite	0.0	0.0	2.9	0.6
Au Minerals:Ag Minerals	0.0	0.0	0.0	0.0
Lib Au Minerals	33.1	70.3	75.4	89.1

Silver mineral association varies fairly significantly between composites. In Composite A, silver minerals are predominantly associated with pyrite, followed by mineral complexes, with minimal amounts of liberated silver minerals. Composites B, C and D show a higher degree of silver mineral liberation, although there is still a notable degree of complex mineral association. Composite B also shows a significant association with silicate minerals. Table 8 shows the normalized mineral associations for silver.

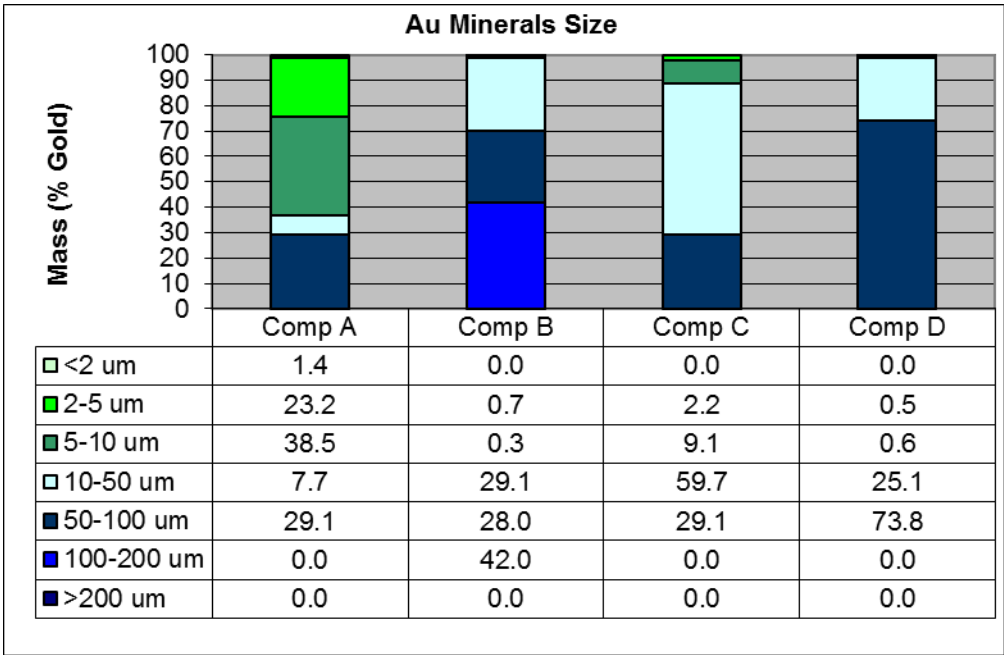
Table 8 - Ag Minerals Association (Normalized)



	Comp A	Comp B	Comp C	Comp D
Complex	31.4	23.1	19.1	12.0
Ag Minerals:Other	0.0	0.0	0.0	0.1
Ag Minerals:Oxides	0.0	0.0	0.1	0.0
Ag Minerals:Carbonates	0.3	1.3	0.4	2.1
Ag Minerals:Silicates	10.9	20.7	3.0	4.3
Ag Minerals:Other Sulphides	0.9	4.2	6.5	5.7
Ag Minerals:Pyrite	47.1	6.4	6.3	2.3
Ag Minerals:Arsenopyrite	0.1	7.8	1.9	1.8
Ag Minerals:Au Minerals	0.0	0.1	0.0	0.0
Lib Ag Minerals	9.3	36.4	62.8	71.6

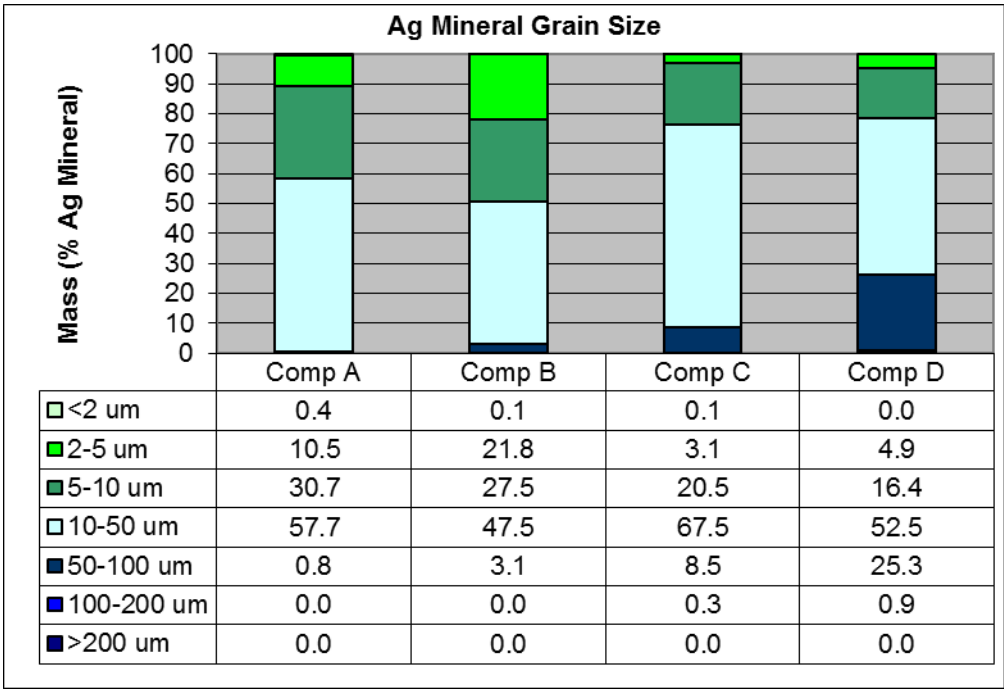
Gold mineral size is inconsistent between the four composites. Composite A had the finest gold minerals, with 63.2% occurring in particles less than 10 µm in diameter. Conversely, Composite B had the coarsest gold minerals, with 42% greater than 200 µm in diameter. Silver mineral size was less variable between composites, with the majority of silver minerals falling between 10 and 50 µm for all but Composite B. Table 9 and Table 10 show the mineral grain sizes for both gold and silver, respectively.

Table 9 - Au Mineral Size (Normalized)



	Comp A	Comp B	Comp C	Comp D
<2 um	1.4	0.0	0.0	0.0
2-5 um	23.2	0.7	2.2	0.5
5-10 um	38.5	0.3	9.1	0.6
10-50 um	7.7	29.1	59.7	25.1
50-100 um	29.1	28.0	29.1	73.8
100-200 um	0.0	42.0	0.0	0.0
>200 um	0.0	0.0	0.0	0.0

Table 10 - Ag Mineral Size (Normalized)



	Comp A	Comp B	Comp C	Comp D
<2 um	0.4	0.1	0.1	0.0
2-5 um	10.5	21.8	3.1	4.9
5-10 um	30.7	27.5	20.5	16.4
10-50 um	57.7	47.5	67.5	52.5
50-100 um	0.8	3.1	8.5	25.3
100-200 um	0.0	0.0	0.3	0.9
>200 um	0.0	0.0	0.0	0.0

Metallurgical Scoping Study

A metallurgical scoping study was initiated following the gold deportment study. The full report for this phase of the study can also be found in Appendix IV. Brief summaries of key results are presented in the following sections.

Due to the high degree of liberation of both gold and silver minerals in the QEMSCAN study, it was postulated that the material may respond favourably to gravity recovery. To test this, a sub-sample of each composite was submitted for a standard 3-stage gravity recoverable gold and silver (E-GRG) test. Results from this testing were not as positive as hoped. Results are presented in Table 11 below.

Table 11 - Gravity Recovery Test Results

Composite	Zone	GR Gold Number*	GR Silver Number*
A	Eastern BRX	24.8	14.1
B	Eastern Klaza	44.4	9.0
C	Western BRX	12.9	5.8
D	Western Klaza	13.4	5.7

**GR Gold and GR Silver numbers are the approximate percentage recoverable by gravity methods.*

Following the gravity test work, composites were evaluated for their amenability to flotation of a bulk sulphide concentrate. Four open cycle rougher tests were initially conducted on the E-GRG tailings, each producing a single combined bulk-sulphide concentrate. A grind size of 100 µm was targeted for all tests. A second set of rougher tests were performed in order to generate material that could be submitted for cyanide leach testing. In general, the second set of rougher tests had comparable recoveries with lower mass pulls. Results of these tests are shown in Table 12.

Table 12 - E-GRG Tails Bulk Sulphide Rougher Flotation Results

Test	Comp	Zone	Grind Size (P80)	Mass (%)	Head Grade		Au		Ag	
					Au (g/t)	Ag (g/t)	Grade (g/t)	Recovery (%)	Grade (g/t)	Recovery (%)
F3	A	E. BRX	98 µm	24.3%	3.48	61.4	13.6	94.8%	240	94.9%
F4	B	E. Klaza	97 µm	23.4%	3.41	90.6	14.1	97.1%	377	97.6%
F1	C	W. BRX	105 µm	36.7%	7.08	209.5	18.9	97.8%	564	98.7%
F2	D	W. Klaza	105 µm	20.7%	4.94	278.4	23.1	96.8%	1326	98.4%
F5	A	E. BRX	99 µm	22.0%	3.61	59.9	15.5	94.6%	267	98.2%

F6	B	E. Klaza	94 µm	23.3%	3.55	84.6	14.6	95.7%	356	97.9%
F7	C	W. BRX	101 µm	33.5%	6.85	467	19.9	97.3%	467	98.2%
F8	D	W. Klaza	102 µm	16.8%	4.52	282.9	26.1	96.9%	1670	98.9%

Combined recoveries for the gravity and flotation stages are provided in Table 13.

Table 13 - Combined E-GRG & Flotation Recoveries

Test	Comp	Zone	E-GRG Recovery		Flotation Recovery		Combined Recovery	
			Au (%)	Ag (%)	Au (%)	Ag (%)	Au (%)	Ag (%)
EGRG1 + F3	A	E. BRX	24.8%	14.1%	71.3%	81.6%	96.1%	95.7%
EGRG2 + F4	B	E. Klaza	44.4%	9.0%	54.0%	88.8%	98.4%	97.8%
EGRG3 + F1	C	W. BRX	12.9%	5.8%	85.2%	93.0%	98.1%	98.8%
EGRG4 + F2	D	W. Klaza	13.4%	5.7%	83.8%	92.8%	97.2%	98.5%
EGRG1 + F5	A	E. BRX	24.8%	14.1%	71.1%	84.4%	95.9%	98.5%
EGRG2 + F6	B	E. Klaza	44.4%	9.0%	53.2%	89.1%	97.6%	98.1%
EGRG3 + F7	C	W. BRX	12.9%	5.8%	84.7%	92.5%	97.6%	98.3%
EGRG4 + F8	D	W. Klaza	13.4%	5.7%	83.9%	93.3%	97.3%	99.0%

To evaluate the potential for direct flotation of whole ore, rougher tests for composites C and D were repeated on samples of the whole ore, as opposed to E-GRG tailings. Results for these tests are presented in Table 14.

Table 14 - Whole Ore Rougher Flotation Results

Test	Comp	Zone	Grind Size (P80)	Mass (%)	Head Grade		Au		Ag	
					Au (g/t)	Ag (g/t)	Grade (g/t)	Recovery (%)	Grade (g/t)	Recovery (%)
F11	C	W. BRX	137 µm	36.5%	7.61	201.1	20.0	96.1%	539	97.8%
F12	D	W. Klaza	101 µm	20.5%	4.68	264.6	21.9	96.1%	1270	97.1%

Cleaner flotation tests were performed on composites C and D to determine if they could be cleaned to a point where bulk shipment of a gold/silver-rich sulphide concentrate would be possible. One test each was performed on composites C and D, with an additional test on Composite C using $CuSO_4$ as a reagent and higher concentrations of 208 and PAX. Results from these tests are shown in Table 15.

Table 15 - Whole Ore Cleaner Flotation Tests

Test	Head Grade		Stage	Grind Size (P80)	Mass (%)	Au		Ag	
	Au (g/t)	Ag (g/t)				Grade (g/t)	Recovery (%)	Grade (g/t)	Recovery (%)
F13 (Comp C)	7.16	213.7	Rougher	89 µm	38.9%	17.6	95.5%	541	98.4%
			Cleaner	49 µm	22.6%	19.0	60.6%	905	95.6%
F14 (Comp D)	5.28	263.1	Rougher	99 µm	14.7%	32.4	90.5%	1742	97.6%
			Cleaner	37 µm	8.5%	26.0	41.2%	2971	95.5%
F15 (Comp C)	7.49	222.8	Rougher	92 µm	36.8%	19.6	96.1%	596	98.4%
			Cleaner	44 µm	30.3%	21.0	86.3%	720	97.8%

As earlier flotation tests on Composite C had yielded high mass pulls to a bulk sulphide concentrate, including substantial amounts of zinc, two sequential zinc flotation tests were performed on Composite C. The goal of these tests was to float off a bulk sulphide concentrate and then remove zinc to a separate concentrate, ideally leaving the gold and silver with the other sulphides. However, these tests did not perform as hoped; with the gold being split between the bulk rougher concentrate and the zinc concentrate. Results from this test work are summarized in Table 16.

Table 16 - Zinc Sequential Flotation Results

Test	Head Grade			Stage	Mass (%)	Assay			Recovery		
	Au (g/t)	Ag (g/t)	Zn (%)			Au (g/t)	Ag (g/t)	Zn (%)	Au (%)	Ag (%)	Zn (%)
F9 (Comp C, EGRG Tails)	6.33	178	2.06 %	Bulk Ro	7.9%	27.6	2009	19.5%	34.3%	88.8%	74.8%
				Zn Ro	27.4%	14.4	60	1.83%	62.6%	9.2%	24.4%
F10 (Comp C, Whole Ore)	7.39	200	2.05 %	Bulk Ro	9.6%	36.6	1846	3.91%	17.3%	88.0%	18.2%
				Zn Ro	30.6%	12.2	69	5.42%	50.5%	10.6%	80.9%
				Zn Cln	4.5%	12.8	313	36.7%	7.8%	7.0%	80.3%

A third sequential flotation test was run on whole ore of Composite C to try and produce a gold-rich pyrite concentrate and a bulk sulphide concentrate with high silver, lead and gold grades. The pyrite concentrate was then forwarded on for cyanide leach testing. Pyrite and gold separation did not go as well as hoped for this test, and overall mass pulls were high, leading to lower product assay grades. A summary of results are shown in Table 17.

Table 17 - Pyrite Sequential Flotation Results

Test	Head Grade				Stage	Mass (%)	Assay				Recovery			
	Au (g/t)	Ag (g/t)	Pb (%)	Zn (%)			Au (g/t)	Ag (g/t)	Pb (%)	Zn (%)	Au (%)	Ag (%)	Pb (%)	Zn (%)
F16	6.62	207	1.59%	2.12%	Bulk Ro	12.6%	26.6	1403	12%	3.71%	50.6%	85.3%	95.0%	20.0%
					Py Ro	32.7%	9.77	87	0.2%	5.03%	48.3%	13.7%	4.3%	77.5%

Cyanide bottle roll tests were conducted on samples of the whole ore from each of the four composites. A grind size of 100 µm was targeted for all tests, with addition of 1.0 g/L of NaCN and a leach time of 48 hours. Summary results from these tests are provided in Table 18. These results showed good gold leaching performance from Composite A, moderate performance from Composite B, and poor performance from both Composite C and Composite D. Silver recovery was poor in all composites.

Table 18 - Whole Ore Cyanidation Results

Test	Composite	Zone	Calc. Head Grade		Recovery	
			Au (g/t)	Ag (g/t)	Au (%)	Ag (%)
L1	Comp A	E. BRX	4.78	67.1	59.6%	31.9%
L2	Comp B	E. Klaza	5.23	95.9	78.4%	27.1%
L3	Comp C	W. BRX	7.9	218.1	41.6%	19.1%
L4	Comp D	W. Klaza	5.35	276.6	20.7%	29.3%

Leach tests were also performed on flotation rougher concentrates from tests F5-F8, to investigate if leaching performance was improved on concentrated sulphides. Given the poor performance of the earlier tests on most composites, a higher cyanide concentration of 5.0 g/L of sodium cyanide was used for these tests, with a longer leach period of 72 hours. Results for these tests are given in Table 19. Recoveries were poor for both gold and silver on all composites.

Table 19 - Flotation Concentrate Cyanidation Results

Test	Leach Feed	Calc. Head Grade		Recovery	
		Au (g/t)	Ag (g/t)	Au (%)	Ag (%)
L5	F5 (Comp A)	13.1	260	43.1%	25.0%
L6	F6 (Comp B)	13.5	397	48.9%	28.6%
L7	F7 (Comp C)	17.7	522	30.8%	18.7%
L8	F8 (Comp D)	26.3	1517	11.5%	4.4%

A leach test was also performed on the pyrite concentrate produced by flotation test F16. For this test, cyanide was added at 10 g/L, and the leach was run for 96 hours. A summary of the results from this test are in Table 20. This test was not very successful, with very low gold recovery and moderate silver recovery. This suggests that the gold component found in pyrite is likely refractory and will not be recoverable without oxidation.

Table 20 - Pyrite Flotation Concentrate Cyanidation Results

Test	Leach Feed	Calc. Head Grade		Recovery	
		Au (g/t)	Ag (g/t)	Au (%)	Ag (%)
L9	F16 (Comp C)	11.5	98	16.2%	55.1%

The test program outlined above was very preliminary in nature, and only provides a rough overview of possible processing routes and challenges associated with metallurgy of the Klaza mineralization. As the results demonstrate, there is significant mineralogical variability between the different zones and a corresponding difference in metallurgical response.

In particular the differences seem to be more linked to east vs west, as opposed to the Klaza vs BRX zones. This is not entirely unexpected as there are a number of key differences in the mineralization of these areas. In particular, the silver-to-gold ratio is much higher in the western regions of the property, and there is a significant amount of lead and zinc sulphide present in the western composites whereas the eastern composites have negligible base metals.

In general, the eastern composites performed better in the metallurgical tests. Cyanidation performed directly on unoxidized samples of the ore yielded reasonably good gold results for both Composite A and Composite B, with recoveries as high as 78.4%. While silver recoveries were comparably low, the silver-to-gold ratio is low in this region, so a lower recovery factor would have less economic impact. Additionally, while gold recoveries did plateau over the length of the test, silver recoveries were still increasing, suggesting that a longer leach time may lead to higher ultimate silver recoveries. While there is still more work necessary to confirm appropriate processing routes, it may be possible to recover gold through direct cyanidation of the material from the eastern region, which is surprising given the sulphide nature of the mineralization.

Flotation results yielded mixed performance and will require additional test work to optimize. While the rougher results generally yielded high recoveries of both gold and silver, the mass pulls were higher than ideal. In particular, Composite C consistently had a rougher mass pull over 30%. While silver generally recovered well, attempts at lowering the mass pull for Composites C and D lead to significantly reduced gold recoveries. Mineralogical studies were not conducted on the concentrates and tailings, but it seems likely that in these zones the gold is more finely distributed throughout pyrite, whereas silver is associated with galena and sphalerite. Due to the high quantity of pyrite in the ore and apparent dispersed nature of the gold, it appears that it will be difficult to concentrate gold further through flotation techniques.

As suggested by SGS in their conclusions, it may be possible to further upgrade final concentrate grade through additional cleaner test work. However, it may be challenging to obtain a concentrate with high gold and silver grades for the western material. It may be worth investigating production of a lead/zinc/silver concentrate and recover gold through oxidation of a pyrite concentrate and subsequent cyanidation. Composites A and B, from the eastern zones, should be investigated further for direct cyanidation potential. Composites at lower grades should also be tested to determine if there is a significant grade variability factor.

EXCAVATOR TRENCHING

Rockhaven performed about 16,050 m of trenching in 44 trenches between 2010 and 2012. In 2013, another 38 trenches totalling approximately 5000 m were completed using a Hitachi 450 excavator, two Hitachi 200 excavators and a ripper-equipped Caterpillar D7-G bulldozer, all of which were owned and operated by 15317 Yukon Ltd. of Whitehorse.

Table 21 lists the total number and combined lengths of trenches completed by Rockhaven in the years 2010 to 2013.

Table 21 - 2010 to 2013 Excavator Trenching Summary

Year	Number of Trenches	Total Length (m)
2010	21	8,000
2011	12	4,050
2012	11	4,000
2013	38	5,000
Total	82	21,050

The locations of trenches dug in 2013 were selected based on results from historical programs. Where possible, trenches were excavated in areas that had previously been stripped of soil and vegetation. The trenches were aligned at about 030°, which is perpendicular to the trend of the main mineralized zones. Some of the trenches targeted areas where soil geochemical signatures indicated near-surface mineralization, while others explored along strike of the known veins. The majority of the trenches were completed along the surface traces of the Western Klaza and Western and Central BRX zones to in-fill between widely-spaced trenches.

Figure 8 is a plan view map showing trench locations and geology, while Figure 9 illustrates assays results.

In 2013, a total of 1833 chip samples were collected from bedrock exposed in trenches. Chip samples were taken along the west rib of each trench or where bedrock was the most stable. Sample Handling and Analytical Procedures are described in Appendix V, while Certificates of Analysis are in Appendix VI. Excavator trenching information is shown in Appendix VII.

Historically, excavator trenching in geochemically anomalous areas has been the most effective tool for identifying mineralized zones on the Property. Within the main area of exploration, overburden generally consists of 5 to 20 cm of vegetation and organic soil covering a discontinuous layer of white volcanic ash and 50 to 125 cm of loess and/or residual soil, which cap decomposed bedrock. Trenches completed closer to the valley floor typically cut up to 1 to 3 m of glacial till or glacio-fluvial material, probably deposited by valley glaciers during the Pleistocene. Due to seasonal freezing and permafrost on north facing slopes, trenches are often pre-stripped of vegetation and organic soils early in the summer, which facilitates more rapid thaw and drainage. This early pre-stripping sometimes means that trenches can be excavated into bedrock in one field season.

Typical trench exposures within the mineralized vein zones consist of strongly limonite and clay altered rocks that are often wetter and more deeply weathered than the surrounding wallrocks, because they are more intensely fractured. Residual sulphide minerals are rarely present in trenches and, where seen, they are usually encapsulated in silica. The locations and orientations of lithological contacts in trenches correspond very well with those predicted from nearby drill holes, indicating little solifluction has occurred. Outside of the mineralized zones, trench exposures are dominated by blocky and weakly oxidized granodiorite.

Infill and step-out trenching in 2013 at the Central and Western Klaza zones confirmed continuity of the mineralized structure and delineated areas of high-grade gold and silver that were partially outlined by widely-spaced trenches and drill holes in 2011 and 2012. Highlights from the 2013 trenches include 5.61 g/t gold and 300 g/t silver over 18.79 m in TR-13-51 and 16.20 g/t gold and 158 g/t silver over 6.84 m in TR-13-52.

Infill trenching in 2013 at the Western BRX zone confirmed continuity of the mineralized structure and defined the surface traces of high-grade gold and silver shoots that were partially outlined by widely-spaced drill holes in 2011 and 2012. The best results are located along a 450 m section of the zone that is situated between two northeast trending cross-faults. Highlights from this area include 87.0 g/t gold and 768 g/t silver over 1.15 m in TR-13-47 and 71.4 g/t gold and 1,310 g/t silver over 2.25 m in TR-13-58.

Trenches dug in the Eastern Klaza zone and about 1300 m further to the east on newly acquired claims, exposed broad bands of weak to moderate mineralization (Far Eastern Klaza zone). If the Far Eastern Klaza zone connects to the rest of the Klaza zone, the combined length of the Klaza zone would increase to 3,700 m. The Eastern and Far Eastern Klaza zones are located proximal to the Mount Nansen Porphyry Complex, the intrusive body that is thought to have been the main hydrothermal driver for the mineralized system on the Property. Mineralization within these areas has lower silver-to-gold ratios than the veins to the Western and Central Klaza zones and is locally elevated in copper and molybdenum. Four, widely-spaced trenches were completed in 2013 to test the Eastern and Far Eastern Klaza zones. The best results came from TR-13-42, which returned 0.69 g/t gold and 3.43 g/t silver over 53.95 m and TR-13-40EXT, which averaged 0.84 g/t gold and 4.01 g/t silver over 18.65 m.

Five trenches were excavated in 2013 outside of known zones, with the goal of identifying new mineralized structures. This trenching resulted in the identification of a new high-grade gold system at the Pearl zone, north of the Far Eastern Klaza zone, and the extension of the Chevron zone 1600 m to the east.

The Pearl zone is the most easterly and most northerly mineralized structure identified to date at the Property. It was exposed in two excavator trenches located 450 m apart along a linear depression. One exposure graded 28.2 g/t gold and 359 g/t silver over 1.20 m and the other returned 19.75 g/t gold and 148 g/t silver over 1.25 m.

The Chevron zone is the southernmost zone identified to date on the Property. Previously, only one trench (KL-12-36) had been excavated to bedrock at the Chevron zone, exposing mineralization grading 3.79 g/t gold and 190 g/t silver over 9.20 m. In 2013 TR-13-46, located

along 1600 m strike to the southeast, returned 1.35 g/t gold and 12.60 g/t silver over 13.07 m, including 2.26 g/t gold and 22.34 g/t silver over 5.98 m. Infill trenching and drilling needs to be done before the inferred strike length between these two trenches can be confirmed.

Table 22 lists the most significant mineralized intervals from the 2010, 2011, 2012 and 2013 excavator trenches.

Table 22 - Significant Trench Results

Trench	From (m)	To (m)	Int. (m)	Au (g/t)	Ag (g/t)	Zone
TR-10-01	229.32	231.32	2.00	6.36	118.55	PIKA
TR-10-01	311.02	312.63	1.61	5.67	140.09	Eastern BRX
TR-10-01	323.89	328.89	5.00	2.91	0.60	Eastern BRX
TR-10-01	469.10	473.62	4.52	2.48	46.80	AEX
TR-10-02	92.45	97.45	5.00	1.39	28.30	Eastern BRX
TR-10-02	227.07	232.37	5.30	1.85	29.63	AEX
TR-10-02	377.20	379.09	1.89	2.78	81.88	Eastern BRX
TR-10-03	236.96	238.21	1.25	10.90	56.41	AEX
TR-10-03	356.26	356.96	0.70	5.39	88.40	Eastern BRX
TR-10-03	96.30	99.00	2.70	2.61	14.80	Eastern Klaza
TR-10-03	349.50	352.50	3.00	6.80	55.67	Eastern Klaza
TR-10-03	464.61	467.07	2.46	7.43	146.38	BYG
TR-10-03	485.91	495.91	10.00	4.22	7.90	HERC
TR-10-04	105.50	108.70	3.20	2.94	190.06	PIKA
TR-10-04	257.47	258.50	1.03	19.80	135.00	Central BRX
TR-10-04	267.17	268.45	1.28	2.26	46.00	Central BRX
TR-10-04	300.67	301.80	1.13	7.09	146.00	Central BRX
TR-10-04	314.50	316.00	1.50	12.50	237.00	Central BRX
TR-10-04	320.00	321.70	1.70	2.81	7.57	Central BRX
TR-10-06	37.90	41.90	4.00	6.40	27.48	Eastern BRX
TR-10-08	322.84	325.34	2.50	3.57	1.40	AEX
TR-10-08	441.80	446.80	5.00	1.70	1.10	Eastern BRX
TR-10-08	453.60	456.10	2.50	4.47	1.80	Eastern BRX
TR-10-09	220.67	235.52	14.85	2.55	37.83	Central Klaza
TR-10-09	346.42	347.34	0.92	1.18	178.00	BYG
TR-10-10	63.73	66.28	2.55	2.45	71.53	Central Klaza
TR-10-10	129.13	136.93	7.80	6.96	66.36	Central Klaza
TR-10-10	148.63	152.05	3.42	1.20	96.20	Central Klaza
TR-10-11	199.55	204.95	5.40	2.04	18.66	Central Klaza
TR-10-11	225.00	227.47	2.47	4.54	12.70	Central Klaza
TR-10-11	240.57	242.07	1.50	2.33	33.00	Central Klaza
TR-10-11	454.34	459.56	5.22	1.52	31.21	BYG

TR-10-12N	188.40	196.00	7.60	3.06	48.66	HERC
TR-10-12N	409.00	412.00	3.00	2.78	9.90	BYG
TR-10-12N	423.20	425.30	2.10	2.58	12.50	BYG
TR-10-12N	597.50	615.20	17.70	2.56	30.42	Central Klaza
TR-10-12N	711.00	715.00	4.00	1.01	27.20	Central Klaza
TR-10-12S	2.20	4.00	1.80	0.97	309.61	PIKA?
TR-10-12S	89.25	90.25	1.00	1.67	461.00	PIKA?
TR-10-13	301.58	303.58	2.00	2.44	5.80	Eastern Klaza
TR-10-14	240.00	241.50	1.50	2.53	133.00	AEX
TR-10-14	246.00	247.00	1.00	2.52	94.40	AEX
TR-10-14	252.00	253.50	1.50	5.60	56.90	AEX
TR-10-14	349.50	350.50	1.00	0.99	166.00	AEX
TR-10-14	361.70	362.70	1.00	9.31	996.00	Central BRX
TR-10-14	366.70	369.50	2.80	1.90	17.52	Central BRX
TR-10-15	38.90	39.90	1.00	2.32	1162.28	AEX
TR-10-15	50.40	53.45	3.05	1.96	14.02	AEX
TR-10-15	69.32	70.32	1.00	3.76	26.00	AEX
TR-10-15	121.50	126.00	4.50	2.92	140.01	Central BRX
TR-10-17	124.77	127.07	2.30	1.54	71.10	Central BRX
TR-10-17	136.87	143.87	7.00	0.96	99.00	Central BRX
TR-10-19	72.65	74.10	1.45	12.45	305.00	Central Klaza
TR-10-20	14.34	17.84	3.50	4.18	360.09	Central BRX
TR-10-21	2.18	10.86	8.68	4.01	434.87	Central BRX
TR-11-22	330.23	331.03	0.80	2.51	260.00	Eastern Klaza
TR-11-22	335.59	337.08	1.49	1.41	77.60	Eastern Klaza
TR-11-22	346.10	349.48	3.38	4.46	61.59	Eastern Klaza
TR-11-22	378.30	379.65	1.35	9.86	61.20	Eastern Klaza
TR-11-24	188.46	191.53	3.07	2.94	36.62	Western BRX
TR-11-26	165.60	180.28	14.68	2.13	7.94	BYG
includes	173.47	176.25	2.78	8.28	20.16	BYG
TR-11-26	232.00	234.00	2.00	23.90	39.70	Central Klaza
TR-11-27	62.94	64.14	1.20	0.53	155.00	Western Klaza
TR-11-28	172.19	172.94	0.75	5.19	421.00	Western Klaza
TR-11-30	62.50	63.80	1.30	4.87	634.00	Western Klaza
TR-12-01	51.00	56.00	5.00	0.31	103.00	Dickson
TR-12-01	147.50	151.82	4.32	2.51	52.92	Chevron?
TR-12-02	322.50	324.10	1.60	10.85	93.60	Dickson
TR-12-08	709.70	718.15	8.45	1.69	2.48	Eastern Klaza
TR-12-23	18.00	26.00	8.00	1.65	50.55	Central BRX
includes	22.60	26.00	3.40	3.02	72.91	Central BRX
TR-12-35	81.60	83.85	2.25	5.53	237.61	Western Klaza

TR-12-36	358.50	367.70	9.20	3.79	190.48	Chevron
includes	358.50	363.30	4.80	6.24	318.58	Chevron
TR-13-18	24.00	26.15	2.15	1.37	44.90	Central BRX
TR-13-41N	325.77	336.49	10.72	2.85	20.04	Pearl
includes	326.97	328.22	1.25	19.75	148.00	Pearl
TR-13-41S	811.16	813.07	1.91	2.38	18.25	Far Eastern Klaza
TR-13-42	32.05	35.10	3.05	2.73	6.53	Eastern Klaza
TR-13-42	68.10	69.60	1.50	3.91	9.50	Eastern Klaza
TR-13-42	77.85	86.00	8.15	1.73	2.93	Eastern Klaza
includes	77.85	80.15	2.30	2.77	4.01	Eastern Klaza
includes	83.35	86.00	2.65	2.43	2.81	Eastern Klaza
TR-13-42	105.25	110.55	5.30	0.72	22.88	Eastern Klaza
TR-13-44	1.00	2.05	1.05	1.98	100.00	Central BRX
TR-13-44	21.30	23.80	2.50	1.15	108.00	Central BRX
TR-13-45	104.30	105.30	1.00	17.10	154.00	Western BRX
TR-13-46	263.77	266.77	3.00	1.83	16.50	Chevron
TR-13-46	304.68	317.75	13.07	1.35	12.60	Chevron
includes	304.68	310.66	5.98	2.26	22.34	Chevron
TR-13-47	30.05	31.20	1.15	87.00	768.00	Western BRX
TR-13-49	1.61	2.92	1.31	8.42	548.00	Central BRX
TR-13-51	0.00	1.00	1.00	2.68	97.30	Central Klaza
TR-13-51	11.19	12.19	1.00	0.90	2710.00	Central Klaza
TR-13-51	18.19	19.69	1.50	1.50	134.00	Central Klaza
TR-13-51	24.53	29.98	5.45	18.67	493.22	Central Klaza
includes	26.53	29.98	3.45	29.21	766.54	Central Klaza
TR-13-52	3.75	10.59	6.84	16.20	157.93	Central Klaza
includes	3.75	6.09	2.34	13.50	155.00	Central Klaza
includes	7.49	10.59	3.10	25.40	230.00	Central Klaza
TR-13-53	17.83	22.13	4.30	1.49	5.38	Far Eastern Klaza
TR-13-53	66.72	68.72	2.00	1.04	88.10	Far Eastern Klaza
TR-13-53	107.39	108.77	1.38	4.56	19.60	Far Eastern Klaza
TR-13-53	175.08	180.08	5.00	4.13	64.67	Far Eastern Klaza
TR-13-53	233.24	237.61	4.37	1.47	1.49	Far Eastern Klaza
TR-13-53	524.58	525.78	1.20	28.20	359.00	Pearl
TR-13-55	39.85	41.90	2.05	1.84	47.70	Western BRX?
TR-13-58	3.35	6.60	3.25	50.07	909.90	Western BRX
TR-13-59	8.85	15.20	6.35	1.02	61.65	Western BRX
TR-13-61	14.25	16.25	2.00	2.97	96.50	Central BRX
TR-13-62	4.85	7.85	3.00	0.95	74.80	Central BRX
TR-13-66	1.00	2.00	1.00	3.41	121.00	Central Klaza
TR-13-66	6.98	8.42	1.44	1.83	214.00	Central Klaza

TR-13-66	15.43	21.99	6.56	10.46	171.99	Central Klaza
includes	18.72	20.99	2.27	25.70	449.00	Central Klaza
TR-13-67	35.00	38.55	3.55	31.38	310.31	Western BRX
TR-13-67	43.70	48.70	5.00	3.34	80.77	Western BRX
TR-13-68	9.30	11.30	2.00	2.08	274.00	Western BRX
TR-13-68	19.75	21.25	1.50	1.42	166.00	Western BRX
TR-13-69	5.16	9.76	4.60	8.29	295.35	Western Klaza
TR-13-70	2.50	7.03	4.53	11.36	729.95	Western Klaza
includes	2.50	4.00	1.50	24.70	2000.00	Western Klaza
TR-13-71	0.00	1.80	1.80	4.82	53.92	Western Klaza
TR-13-73	1.00	6.20	5.20	15.18	300.90	Western BRX
includes	3.70	6.20	2.50	26.10	574.00	Western BRX
TR-13-74	12.45	14.70	2.25	31.20	1030.00	Western BRX
TR-13-75	4.75	6.20	1.45	11.50	1680.00	Western BRX
TR-13-75	17.24	20.24	3.00	34.70	160.00	Western BRX
TR-13-77	3.60	7.18	3.58	9.16	430.28	Western BRX
includes	5.08	7.18	2.10	14.40	729.00	Western BRX

DIAMOND DRILLING

No diamond drilling was done at the Property in 2013. This section summarizes drill programs completed from 2010 to 2012.

In 2010, diamond drilling on the Property was contracted to Top Rank Diamond Drilling Ltd. of Ste Rose du Lac, Manitoba, and was done with two, skid-mounted, diesel-powered JKS-300 drills using NTW and BTW equipment.

In 2011, diamond drilling on the Property was contracted to three companies: Swiftsure Diamond Drilling Ltd. of Nanaimo, British Columbia; Strike Diamond Drilling of Kelowna, British Columbia; and, Elite Diamond Drilling of Vernon, British Columbia. The work was done using two, skid-mounted, diesel-powered A-5 drills and one, skid-mounted, diesel-powered JKS-300 drill. The A-5 drills used HQ equipment while the JKS-300 used BTW equipment. Percussion drilling was completed by Midnight Sun Drilling Ltd. of Whitehorse, Yukon. This drilling was done using a track-mounted, diesel-powered reverse circulation percussion drill.

In 2012, diamond drilling on the Property was contracted to four companies: Swiftsure Diamond Drilling Ltd. of Nanaimo, British Columbia; Strike Diamond Drilling of Kelowna, British Columbia; Elite Diamond Drilling of Vernon, British Columbia; and, Platinum Diamond Drilling Inc. of Winnipegosis, Manitoba. The work was done using three skid-mounted, diesel-powered A-5 drills and one skid-mounted, diesel-powered JKS-300 drill. The A-5 drills used HQ and NQ equipment while the JKS-300 used BTW equipment.

A total of 136 diamond drill holes (37,430 m) were drilled on the Property between 2010 and 2012, as summarized in Table 23.

Table 23 - 2010 to 2012 Diamond Drilling Summary

Year	Holes Drilled	Total Drilled (m)
2010	11	1,642.08
2011	52	14,068.45
2012	73	21,719.47

The plan view locations for all diamond drill holes are plotted on Figure 10, while cross-sections showing geology and histogram assay plots for all drill holes can be found in the 2012 assessment report (Tarswell and Turner, 2013).

The 2010, 2011 and 2012 diamond drill programs successfully expanded zones of gold and silver mineralization identified by previous operators and discovered new zones elsewhere on the Property. The various zones have been traced for a cumulative mineralized strike length of more than nine kilometres. All of the zones begin at surface and are open to expansion along strike and to depth.

Table 24 shows the drill confirmed strike length of each of the main zones, the maximum downdip intercept and the best drill intercept to date on each zones.

Table 24 - Data for Main Mineralized Zones

Zone	Mineralized Strike Length (m)	Max. Downdip Drill Intercept (m)	Best Drill Intercept (2010 to 2012 Diamond Drilling)
KLAZA	2000	325	7.20 g/t gold and 260 g/t silver (12.40 g/t gold EQ) over 15.30 m
BRX	2400	400	5.78 g/t gold and 111 g/t silver (8.00 g/t gold EQ) over 15.62m
PIKA	740	250	32.52 g/t gold and 34.3 g/t silver (33.21 g/t gold EQ) over 3.36 m
AEX	1650	310	9.03 g/t gold and 27.7 g/t silver (9.58 g/t gold EQ) over 1.00 m
BYG	650	150	6.29 g/t gold and 342 g/t silver (13.13 g/t gold EQ) over 1.43 m
DICKSON	450	100	7.08 g/t gold and 127 g/t silver (9.62 g/t gold EQ) over 1.00 m
HERC	460	310	3.39 g/t gold and 205 g/t silver (7.49 g/t gold EQ) over 2.28 m
CHEVRON	250	90	3.97 g/t gold and 95.4 g/t silver (5.88 g/t gold EQ) over 1.26 m
PEARL	Has Not Yet Been Drill-tested		

The **Klaza** zone is the most northerly of the main gold-silver bearing structural zones that has been drill-tested (assuming there are no fault complications, the projected extension of the Pearl zone lies north of the Klaza zone in an area that has not yet been trenched or drill-tested). The drill holes in the Klaza zone are located on section lines spaced approximately 50 m apart. Many of the lines in the western and eastern parts of the zone comprise just one hole.
Diamond drilling at the Klaza zone has traced the area of mineralization to a 2000 m strike length and to a maximum depth of 325 m downdip of trench exposures. The mineralization exhibits exceptional continuity with 62 of 67 diamond drill holes completed to date intersecting between 3 and 190 gram-metre multiples (g/t gold equivalent multiplied by intersected core length). The weighted average grade of the mineralized intercepts is 2.10 g/t gold and 38.80 g/t

silver over 9.15 m. Nearly three-quarters of the holes that tested the Klaza zone returned greater than 10 gram-metre multiples.

Three distinct styles of mineralization are present within the Klaza zone, which are believed to reflect their respective distances from the hydrothermal centre.

The Eastern Klaza zone (extending east from section KL 10+500) lies closest to the hydrothermal centre and is characterized by broad gold-silver bearing veins that form a sheeted complex, possibly suitable for bulk mining methods. The mineral assemblages and precious metal contents in this area are distinguished from those of the Central Klaza zone in two ways: 1) sulphide veins are dominated by pyrite with significantly less galena and arsenopyrite; and 2) the silver-to-gold ratios are lower. The best drill result from the Eastern Klaza zone was from an interval in DDH-KL-12-121, which graded 1.43 g/t gold and 2.69 g/t silver over 18.03 m.

Mineralization in the Central Klaza zone (east of section KL 9+900 m and west of section KL 10+500 m) is hosted within a laterally extensive complex of steeply dipping veins, breccias and sheeted veinlets that are associated with a swarm of feldspar porphyry dykes. The strongest veins are typically found along dyke margins. The best result returned from the Central Klaza zone was from an interval in hole DDH-KL-10-07, which graded 7.20 g/t gold and 260 g/t silver over 15.30 m.

Narrow high-grade silver-gold veins present in the Western Klaza zone (extending west from section KL 9+900) represent the most distal style of mineralization. Two strong veins with good continuity are emplaced alongside feldspar porphyry dykes. These veins are not flanked by the type of sheeted veining seen elsewhere in the Klaza zone. The mineral assemblages contain higher proportions of arsenopyrite and sulphosalts than are common further east in the zone, and silver-to-gold ratios are higher. The two best drill results from this area are in holes DDH-KL-12-79 and DDH-KL-12-115. DDH-KL-12-79 cut an interval that averaged 3.18 g/t gold and 516 g/t silver over 3.21 m, and DDH-KL-12-115 returned 4.51 g/t gold and 332 g/t silver across 7.12 m.

While individual mineralized intercepts within the Klaza zone are generally comparable to those at other zones on the Property, the Central and Eastern Klaza zones are distinguished by the presence of multiple sub-parallel veins, which are relatively closely spaced within a structural zone that is up to 100 m wide. This style of mineralization is well illustrated by the histogram plots showing gold equivalent grades in drill holes (plots are included in Tarswell and Turner, 2013).

Figure 11 is a vertical longitudinal section that demonstrates assay results returned from diamond drill holes and excavator trenches located along the Klaza zone. The longitudinal section does not include significant results returned from secondary veins found in the hanging wall or footwall of the main structure.

The **BRX** zone currently has the longest drill-tested strike length of any of the mineralized zones identified at the Property. The BRX zone has been drill-tested at approximately 100 m intervals along a strike length of 2,400 m. Twenty-nine of 36 drill holes intersected significant gold-silver

mineralization, and the zone has been confirmed to a depth of more than 400 m downdip from surface.

Mineralization within the BRX zone is associated with a laterally extensive feldspar porphyry dyke. Veins occur on the margins of that dyke and, where the dyke splits into two or more 'fingers,' the number of veins increases, which sometimes results in wider mineralized intervals. For example, the best result from drilling at the BRX zone was from an interval in DDH-KL-12-96, which averaged 5.78 g/t gold and 111 g/t silver over 15.62 m. However, two high-grade veins, 2.32 and 2.90 m in width, contributed most of the grade in this interval.

Figure 12 is a vertical longitudinal section that demonstrates assay results returned from diamond drill holes and excavator trenches along the BRX zone.

The **BYG** zone parallels the Central Klaza zone, 125 m to the south, before converging into the Eastern Klaza zone. No work has been done along the possible eastern extension of this zone to determine if the BYG structure coalesces with the Klaza structure or cuts through it and continues to the east. The BYG zone is associated with a series of siliceous, brown feldspar porphyry dykes. Sixteen diamond drill holes intersected the zone between 2010 and 2012, and all cut significant mineralization. The best intercepts graded 4.57 g/t gold with 51.6 g/t silver across 3.97 m and 6.29 g/t gold with 342 g/t silver across 1.43 m. The BYG zone has been traced along strike for 650 m and remains open for extension.

The **Herc** zone has only been tested by two diamond drill holes spaced 300 m apart. These holes were originally designed to intersect the Pika zone but after crossing it were extended to reach the Herc zone. Both holes cut vein style mineralization, approximately 300 m downdip of trench exposures. The best result from drilling was an interval that graded 3.39 g/t gold and 205 g/t silver over 2.28 m.

In 2012, exploration around the **Pika** zone expanded an area of mineralization intersected in DDH-KL-10-06 and DDH-KL-10-09 during the 2010 program. Eight diamond drill holes were completed in 2012, seven of which intersected significant mineralization. The Pika zone has demonstrated good continuity in widely-spaced drilling, over a strike length of 740 m and to a depth of 250 m. The best mineralization intersected came from an interval in DDH-KL-12-114, which graded 2.25 g/t gold and 40 g/t silver across 12.58 m, including sub-intervals of 9.55 g/t gold and 137 g/t silver over 1.00 m and 11.3 g/t gold and 233 g/t silver over 1.52 m.

The **AEX** zone is located approximately 150 to 200 m south of the BRX zone. It is one of the largest zones on the property with a drill indicated strike length of 1650 m. The best drill intercept from the AEX zone came from DDH-KL-12-91, which graded 9.03 g/t gold and 27.7 g/t silver over 1.00 m.

The **Dickson** zone has been tested by eight holes in two areas located approximately 1500 m apart. These drilled areas lay within the same 3000 m long, geophysical and multi-element soil geochemical anomaly. The deepest intercept on the Dickson zone is 100 m downdip of surface and returned 7.08 g/t gold and 127 g/t silver over 1.00 m. Drilling needs to be done between the two areas of mineralization to confirm continuity along the anomalous trend.

The **Chevron** zone hosts multiple vein structures that have only been tested by two diamond drill holes and one excavator trench over a 250 m strike length in the western part of the zone, and one trench 1600 m to the east. The best drill intercept returned 3.97 g/t gold and 95.4 g/t silver across 1.26 m.

Significant results from the 2010, 2011 and 2012 diamond drill program are shown on Table 25 below.

Table 25 - Significant Diamond Drill Hole Results

Hole ID	Zone ID	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)	Au Equiv.*
KL-10-03	Central Klaza	32.96	35.5	2.54	4.34	71.2	5.76
and		62.08	112.36	50.28	1.1	23.5	1.57
including		62.08	64.75	2.67	2.41	130.1	5.01
including		86.93	106.68	19.75	2.29	36.1	3.01
including		86.93	89.55	2.62	13.05	143	15.91
KL-10-04	BRX	97.6	98.75	1.15	1.55	23.2	2.01
and		109.83	111	1.17	5.07	53.6	6.14
KL-10-06	Pika	21.64	25	3.36	32.52	34.3	33.2
KL-10-07	Central Klaza	33.5	34.5	1	1.91	38.5	2.68
and		57.8	58.8	1	5.51	107	7.65
and		128	164.5	36.5	3.23	117.7	5.58
including		134	149.3	15.3	7.2	260	12.4
including		138.5	139.5	1	39.3	709	53.48
including		146.77	149.3	2.53	24.7	1087	46.44
KL-10-09	Pika	25.4	26.4	1	2.89	78	4.5
KL-10-10	Central Klaza	137	211.3	74.3	0.7	8.3	0.87
including		137	146.3	9.3	1.51	7.4	1.66

including		137	139.15	2.15	3.81	21.5	4.24
including		145.1	146.3	1.2	4.12	7.8	4.28
including		178	211.3	33.3	1.04	14.7	1.33
including		178	179	1	8.78	182	12.42
including		203	204	1	3.81	19.8	4.21
including		210	211.3	1.3	12.9	181	16.52
KL-10-11	AEX	88	89	1	0.45	99.2	2.43
and		110.2	111.2	1	2.25	25	2.75
and		182	189.6	7.6	0.89	9.17	1.07
including		182	183	1	2.86	3.7	2.93
and including	BRX	188.66	189.6	0.94	3.43	66.8	4.77
and		199.2	200.2	1	1.48	43.6	2.35
and		218	219	1	2.66	8.2	2.82
KL-11-12		107.08	108.1	1.02	3.06	253	8.12
and	Central Klaza	194.4	196.36	1.96	1.98	49	2.96
and		217.34	225.8	8.46	1.75	42	2.59
including		221	225.8	4.8	2.8	70	4.2
and		257.7	258.72	1.02	3.7	7	3.84
KL-11-13		89.23	94	4.77	1.71	34	2.39
and	Central Klaza	137.23	139.16	1.93	1.13	37	1.87
and		156.45	203.61	47.16	0.52	6	0.64
including		156.45	165.46	9.01	1.24	12	1.48
KL-11-14		120.1	121.1	1	1.75	32	2.39
and	Central Klaza	155.13	156.07	0.94	0.58	135	3.28
and		231.76	232.79	1.03	7.99	45	8.89
and		289.68	307.46	17.78	1.14	12	1.38
including		289.68	297.79	8.11	2.39	22	2.83
KL-11-15	Central Klaza	76.66	87.12	10.46	4.24	15	4.54
and		109.8	111.18	1.38	1.98	56	3.1

KL-11-16	Central Klaza	55.28	57	1.72	1	16	1.32
and		79.71	94.82	15.11	2.89	49	3.87
including		88.04	94.82	6.78	6.09	101	8.11
KL-11-17	Central Klaza	141.42	142.5	1.08	9.68	211	13.9
and		207.27	219.3	12.03	3.78	25	4.28
including		215.36	219.3	3.94	11.25	72	12.69
and		267.11	269.58	2.47	3.98	20	4.38
KL-11-18	Central Klaza	72.48	75.26	2.78	0.94	12	1.18
and		131.22	172.77	41.55	0.75	18	1.11
including		131.22	136.25	5.03	1.07	84	2.75
and		153	172.77	19.77	1.03	9	1.21
KL-11-19	Central Klaza	176.28	177.79	1.51	1	19	1.38
and		204.49	234.91	30.42	1.27	12	1.51
including		232.02	234.91	2.89	7.81	43	8.67
KL-11-20	Central Klaza	61.29	62.37	1.08	0.57	83	2.23
and		118.12	119.14	1.02	1.48	78	3.04
and		213.94	215.79	1.85	1.84	3	1.9
and		226.55	228.21	1.66	1.29	55	2.39
and		262	263	1	11.9	12	12.14
and		274.3	277.22	2.92	1.99	16	2.31
and		314.29	317.34	3.05	1.54	7	1.68
and		345.47	356.32	10.85	1.75	11	1.97
KL-11-21	Central Klaza	133	145.34	12.34	1.25	31	1.87
including		133	134.92	1.92	7.24	176	10.76
and		166.48	171.88	5.4	2.37	23	2.83
KL-11-22	BRX	56.2	61.4	5.2	0.47	124	2.95

KL-11-23	BRX	109	110.55	1.55	3.99	229	8.57
KL-11-24	BRX	72	73.37	1.37	3.15	72	4.59
KL-11-25	Central Klaza	52.48	64.42	11.94	2.31	41	3.13
including		52.48	58.75	6.27	4.22	75	5.72
and		94.7	95.71	1.01	7.48	445	16.38
KL-11-26	Central Klaza	72.01	83.34	11.33	0.98	15	1.28
KL-11-27	Central Klaza	101.28	114.33	13.05	2.27	15	2.57
including		101.28	103.22	1.94	8.56	77	10.1
and		143.82	170.03	26.21	1.76	26	2.28
including		144.37	145.16	0.79	27.4	549	38.38
including		155.93	157.53	1.6	6.43	50	7.43
including		168.57	170.03	1.46	7.41	54	8.49
and		211.99	213.43	1.44	10.19	23	10.65
including		211.99	212.6	0.61	21.3	39	22.08
KL-11-28	Central Klaza	72.48	75.1	2.62	1.6	32	2.24
and		202	202.63	0.63	5.41	54	6.49
and		253.66	255.12	1.46	10.25	585	21.95
KL-11-29	BRX	31.9	41.24	9.34	1.95	147	4.89
including		31.9	34.9	3	3.29	407	11.43
KL-11-31	Central Klaza	229.73	231.72	1.99	2.58	19	2.96
and		248.52	249.53	1.01	5.07	98	6.87
KL-11-32	Central Klaza	70.36	71.34	0.98	0.68	98	2.64

and		117.09	118.04	0.95	4.2	16	4.52
and		122.81	123.43	0.62	2.47	14	2.75
KL-11-33	BRX	120.3	121.64	1.34	5.51	180	9.11
KL-11-34	Western Klaza	16.52	18.53	2.01	1.48	33	2.14
and		148.95	157.42	8.47	1.31	66	2.63
including		156.28	157.42	1.14	5.84	122	8.28
KL-11-35	BRX	112.42	115.44	3.02	3.03	84	4.71
including		126.74	130.6	3.86	5.85	92	7.69
KL-11-36	Western Klaza	59.42	62.46	3.04	0.41	165	3.71
and		136	138	2	1.61	102	3.65
and		174	176.02	2.02	1.48	32	2.12
and		242.71	245	2.29	1.37	32	2.01
KL-11-37	BRX	81.13	95.93	14.8	5.43	50	6.43
including		81.13	82.83	1.7	11.05	133	13.71
and including		88.95	90.17	1.22	34	298	39.96
and including		94.68	95.93	1.25	13.1	97	15.04
KL-11-38	Central Klaza	64.82	84.22	19.4	0.99	25	1.49
including		66.8	69.7	2.9	2.88	14	3.16
including		75.38	76.62	1.24	6	179	9.58
and		102.87	104.19	1.32	6.67	94	8.55
and		115.55	116.77	1.22	3.54	42	4.38
KL-11-39	BRX	151.29	152.94	1.65	23.5	239	28.28

KL-11-40	Central Klaza	63.33	68.02	4.69	5.39	26	5.91
and		82.36	83.36	1	4.48	5	4.58
and		130.6	137.68	7.08	0.7	13	0.96
and		175.60	177.17	1.57	2.06	11	2.28
KL-11-41	Central Klaza	183.63	193.31	9.68	1.59	9	1.77
and		207.44	212.58	5.14	1.16	12	1.4
and		253.31	254.75	1.44	3.09	12	3.33
and		306.93	308.31	1.38	1.08	17	1.42
and		340.3	341.3	1	2.6	16	2.92
KL-11-42	Regional	41.63	42.51	0.88	1.45	30	2.05
and		94.82	96.62	1.8	0.01	422	8.45
KL-11-43	Central Klaza	89.44	90.8	1.36	1.95	84	3.63
and		120.15	135.02	14.87	1.08	18	1.44
and		149.95	151.66	1.71	3.02	46	3.94
and		202.59	208.8	6.21	0.93	16	1.25
and		260.55	262.7	2.15	4.42	12	4.66
KL-11-44	Central Klaza	14.21	17.02	2.81	0.86	9	1.04
and		80.39	82.19	1.8	1.85	67	3.19
and		193	194.42	1.42	0.5	143	3.36
and		234	235	1	2.56	3	2.62
and		291.55	301.7	10.15	2.67	50	3.67
including		291.55	296.41	4.86	4.76	88	6.52
and		342.96	343.98	1.02	1.63	35	2.33
KL-11-45	Regional	125.64	127.1	1.46	1.05	51	2.07
and		134.95	136.25	1.3	2.94	94	4.82
KL-11-46	Central Klaza	179.03	204.51	25.48	0.53	11	0.75
including		179.03	188.15	9.12	0.88	22	1.32

and		242.9	243.71	0.81	11.95	151	14.97
and		293.48	294.68	1.2	4.25	16	4.57
KL-11-47	Central Klaza	57.72	61.48	3.76	6.93	36	7.65
and		73.86	74.86	1	2.79	52	3.83
and		145.39	157.52	12.13	1.18	14	1.46
including		156.52	157.52	1	9.28	78	10.84
KL-11-50	Central Klaza	51.05	53.95	2.9	14.05	30	14.65
and		108.49	125.01	16.52	1.18	6	1.3
and		199.35	214.22	14.87	1.02	8	1.18
and		252.02	253.48	1.46	4.71	19	5.09
KL-11-52	Central Klaza	149.24	166.09	16.85	1.2	8	1.36
and		192.51	193.53	1.02	2.48	49	3.46
and		257.37	265.55	8.18	2.22	19	2.6
including		263.08	263.58	0.5	31.1	208	35.3
KL-11-53	Central Klaza	33.38	34.28	0.9	3.26	4	3.34
and		45.27	58.26	12.99	0.77	5	0.87
including		45.27	49.89	4.62	1.41	7	1.55
and		174.67	176.46	1.79	8.19	30	8.79
KL-11-55	Central Klaza	82.85	84.43	1.58	4.87	35	5.57
and		244	255.34	11.34	0.76	10	0.96
and		264.46	265.58	1.12	3.08	57	4.22
and		276.8	284.22	7.42	0.67	46	1.59
and		308.25	311.22	2.97	2.26	21	2.67
and		369.64	370.64	1	3.37	141	6.19
KL-11-56	Central Klaza	109.12	121.63	12.51	5.03	14	5.31
and		232.23	233.23	1	9.34	76	10.86

KL-11-57	Central Klaza	60.05	71.95	11.9	0.58	8	0.74
including		67.63	71.95	4.32	0.96	10	1.16
KL-11-58	Central Klaza	18.62	20.42	1.8	2.79	26	3.31
and		61.32	62.32	1	2.85	47	3.79
and		70.07	71.35	1.28	13.05	60	14.25
and		179.28	196.7	17.42	1.5	36	2.22
including		182.66	184.86	2.2	4.38	192	8.22
including		187.56	188.96	1.4	5.11	27	5.65
including		195.7	196.7	1	3.81	112	6.05
and		238.07	239.51	1.44	2.46	28	3.02
and		248.97	249.97	1	5.45	18	5.81
and		264.2	265.2	1	3.66	112	5.9
and		290.03	291.03	1	3.84	44	4.72
KL-11-59	Central Klaza	107.65	119.22	11.57	0.57	12	0.81
including		117.67	119.22	1.55	1.2	6	1.32
KL-11-60	Central Klaza	66.14	67.06	0.92	4.45	6	4.57
and		90.03	96.38	6.35	1.17	16	1.49
and		133.19	138.01	4.82	1.42	22	1.86
and		234.62	239.95	5.33	0.82	6	0.94
and		261.21	265.95	4.74	0.86	17	1.2
and		293.41	295.33	1.92	1.17	17	1.51
KL-11-61	Central Klaza	15.04	17.47	2.43	2.03	23	2.49
and		24.28	27.35	3.07	1.76	7	1.9
and		75.08	82.2	7.12	1.39	19	1.77
and		160.63	184.9	24.27	1.21	8	1.37
and		279.86	286.66	6.8	0.81	7	0.95
and		299.75	301.05	1.3	1.42	105	3.52
and		308.73	309.98	1.25	2.92	41	3.74
KL-11-62	Central Klaza	51.81	55.4	3.59	3.81	14	4.09

and		161.03	173.2	12.17	0.65	25	1.15
including		161.03	163.68	2.65	1.5	71	2.92
and		275.03	276.03	1	1.02	169	4.4
and		299.05	300.7	1.65	7.17	14	7.45
KL-11-63	Central Klaza	69.77	71.2	1.43	6.29	342	13.13
and		125.41	126.41	1	1.84	111	4.06
and		300.67	310.92	10.25	1.17	15	1.47
including		300.67	301.67	1	8.17	91	9.99
KL-11-51x	Eastern Klaza	250.3	251.5	1.2	2.07	27.9	2.63
and		427.39	428.43	1.04	0.88	10.7	1.09
and		435.32	439.27	3.95	0.82	8.45	0.99
KL-12-64	Eastern Klaza	56.46	61.14	4.68	0.76	8.85	0.94
and		88.84	93.26	4.42	2.07	20.74	2.48
and		125	126.33	1.33	2.02	46.7	2.95
KL-12-65	Eastern Klaza	11.87	12.87	1	2.78	20	3.18
and		97.15	98.44	1.29	1.47	10.8	1.69
and		119.82	121.84	2.02	1.78	12.9	2.04
and		130.7	135.04	4.34	3.91	30.2	4.51
including		134.04	135.04	1	16.05	90.2	17.85
and		188.61	190.77	2.16	0.81	98	2.77
KL-12-66	BRX	51.28	59.98	8.7	0.74	35.01	1.44
including		58.98	59.98	1	2.63	261	7.85
and		63.39	64.39	1	2.5	24.6	2.99
and		80.53	81.53	1	2.93	15	3.23
and	Pika	276.95	277.9	0.95	0.64	130	3.24
KL-12-67	Eastern Klaza	119.98	121	1.02	2.34	234	7.02
and		131.7	135.15	3.45	1.03	129.12	3.61
including		132.7	133.95	1.25	2.07	341	8.89

and		203.78	206.35	2.57	3.07	23.1	3.53
KL-12-68	Eastern Klaza	53.18	54.18	1	5.19	34	5.87
and		88.82	96.55	7.73	0.81	6.35	0.93
including		88.82	90.78	1.96	1.16	14.21	1.44
and		93.97	96.55	2.58	1.26	5.43	1.37
and		122.2	123.2	1	34.1	47.5	35.06
and		174.65	178.14	3.49	1.14	107.28	3.28
and		236.97	238.41	1.44	1.52	16.75	1.86
and		254.64	256.74	2.1	0.22	68.2	1.59
KL-12-69	BRX	190.44	194.86	4.42	3.23	58.88	4.41
including		190.44	192.26	1.82	5.79	40.2	6.59
KL-12-70	Eastern Klaza	37.29	38.3	1.01	1.065	7.89	1.22
KL-12-71	Eastern Klaza	69.4	73.17	3.77	1.72	13.24	1.99
including		69.4	71	1.6	3.03	28	3.87
and		99.89	108.05	8.16	1.25	14.89	1.55
including		99.89	104.98	5.09	1.67	21.55	2.1
and		147.7	148.83	1.13	1.31	81.8	2.99
and		177.26	179.37	2.11	0.8	48.22	1.76
and		196.32	199.79	3.47	0.93	24.12	1.41
and		206.39	208.63	2.24	1.27	11.51	1.5
KL-12-72	BRX	178.48	179.81	1.33	10.6	23.2	11.06
and		203.19	210	6.81	1.55	11.02	1.77
including		203.19	204.4	1.21	4.48	15.1	4.78
KL-12-73	Eastern Klaza	38.25	41.57	3.32	0.98	28.8	1.56
and		64.55	65.55	1	2.3	36.2	3.02
and		165.3	166.5	1.2	0.62	84.1	2.3
and		237.75	238.82	1.07	2.06	6.15	2.18

KL-12-74	BRX	206.89	207.89	1	4.85	35.7	5.56
and		244.64	246.7	2.06	3.75	0.05	3.75
KL-12-75	Eastern Klaza	78.68	80.5	1.82	5.66	5.57	5.77
and		103.3	104.3	1	2.91	299	8.89
KL-12-76	Eastern Klaza	92	93.08	1.08	1.64	6.97	1.77
and		103.27	111.51	8.24	1.11	5.27	1.22
Including		103.27	104.53	1.26	3.22	6.82	3.36
and		173.94	175.35	1.41	0.77	86.4	2.5
KL-12-77	Eastern Klaza	58	59	1	14.65	392	22.49
and		193.04	199.26	6.22	1.39	16.07	1.71
and		194.26	195.26	1	7.43	65.2	8.73
KL-12-78	Eastern Klaza	48.22	57.27	9.05	1.119	38.54	1.89
and		97.05	98.05	1	2.43	22.6	2.88
and		191.43	193.45	2.02	1.08	9.02	1.26
and		203.85	205.98	2.13	1.3	4.67	1.39
KL-12-79	Western Klaza	91.56	94.77	3.21	3.18	516	13.5
including		92.65	93.77	1.12	7.47	1350	34.5
KL-12-80	Eastern Klaza	187.53	189.95	2.42	2.29	24.7	2.78
and		196.95	204.2	7.25	1.06	8.58	1.23
including		203.15	204.2	1.05	6.52	6.88	6.66
and		288	289.25	1.25	1.94	3.22	2
KL-12-81	Dickson	12.68	13.68	1	2.84	14.5	3.13
and		28.24	29.76	1.52	1.61	3.44	1.67
and		59.43	61.61	2.18	4.81	2.36	4.86
and		89.37	90.37	1	3.63	130	6.23

KL-12-82	Eastern Klaza	92.9	94.5	1.6	0.85	369	8.23
and		185.52	189.75	4.23	0.54	36.09	1.26
including		185.52	186.52	1	1.76	146	4.68
and		240.22	247.04	6.82	1.13	14.62	1.42
including		240.22	241.23	1.01	3.19	49.2	4.17
KL-12-83	Dickson	45.01	46.36	1.35	5.83	132	8.47
and		105.83	107.17	1.34	0.73	59.1	1.91
KL-12-85	Eastern Klaza	207.64	208.64	1	0.62	36.5	1.35
KL-12-86	Dickson	115.69	116.69	1	7.08	127	9.62
KL-12-87	Regional	194.5	196	1.5	1.19	7.06	1.33
KL-12-88	BRX	236.83	247.42	10.59	1.36	58.1	2.52
including		236.83	239.41	2.58	4.64	181	8.26
KL-12-89	Pika	55.39	57.59	2.2	3.84	43.2	4.7
KL-12-91	AEX?	98.02	99.07	1.05	17.65	119	20.03
and	BRX	295.13	296.5	1.37	3.27	33.6	3.94
and		333.89	336.13	2.24	0.73	19.5	1.12
KL-12-92	Pika	117.08	120.05	2.97	1.14	4.5	1.23
and	Herc	171.82	172.82	1	2.8	8.46	2.97
KL-12-95	Pika	121.65	123.08	1.43	1.38	0.74	1.39
and	Herc	250.57	252.85	2.28	3.39	205	7.49

and		258.75	259.75	1	1.38	53.7	2.45
KL-12-93	Pika	90.17	93.59	3.42	1.51	23.2	1.97
including		90.17	91.51	1.34	3.47	21.2	3.94
and		108.7	109.7	1	6.29	61.9	7.53
KL-12-96	BRX	329.74	345.36	15.62	5.78	111	8
including		329.74	332.06	2.32	25.1	621	37.5
and including		342.46	345.36	2.9	10.55	92.7	12.4
KL-12-97	AEX	63.85	65.33	1.48	1.15	5.54	1.26
and		72.74	75.29	2.55	1.57	4.26	1.66
and	BRX	223.86	225.69	1.83	1.61	12.7	1.86
and		236.92	248.51	11.59	1.71	6.44	1.84
including		236.92	238.23	1.31	13.05	17.65	13.4
KL-12-99	BRX	204.22	205.22	1	0.52	118	2.88
KL-12-100	Herc	208.55	209.55	1	0.45	61.4	1.68
and		247.04	248.04	1	1.31	29.3	1.9
KL-12-101	Dickson	44.37	45.6	1.23	2.37	34.4	3.06
KL-12-102	BRX	296.93	308.2	11.27	0.31	40.5	1.12
including		296.93	298.44	1.51	1.75	209	5.93
KL-12-103	AEX	19.28	20.28	1	1.16	35.7	1.87
and		26.07	29.9	3.83	1.21	49	2.19
including		28.38	29.9	1.52	1.9	111	4.12

KL-12-105	BRX	179.84	180.95	1.11	0.54	50	1.54
and		189.46	191.11	1.65	1.62	286	7.34
KL-12-106	BRX	227.99	228.99	1	1.01	59.3	2.2
and		250.36	251.36	1	3.42	116	5.74
KL-12-107	Western Klaza	111.49	112.49	1	4.64	191	8.46
and		121.73	122.73	1	1.18	3.42	1.25
and		204.8	206.08	1.28	2.13	4.94	2.23
KL-12-108	Dickson	73.71	77.09	3.38	3.09	78.6	4.66
KL-12-109	AEX	4.9	6.89	1.99	1.29	24.7	1.78
and	BRX	266.67	267.86	1.19	3.57	283	9.23
and		276.97	277.97	1	0.92	16.9	1.26
KL-12-110	Eastern Klaza	36.82	38.05	1.23	1.39	7.64	1.54
and		49.22	50.22	1	1.96	8.46	2.13
and		56.53	62.94	6.41	1.71	10.53	1.92
including		61.83	62.94	1.11	4.81	39.1	5.59
and		113.75	114.77	1.02	1.22	156	4.34
and		136.8	137.8	1	0.72	33.6	1.39
and		212.52	213.52	1	1.26	3.97	1.34
and		218.82	219.82	1	1.67	6.1	1.79
and		233	234.01	1.01	1.55	40.2	2.35
and		298.35	299.94	1.59	1.5	2.76	1.56
and		302.97	304.08	1.11	1.4	2.77	1.46
and		319.64	322.01	2.37	3.18	1.67	3.21
KL-12-112	BRX	262.34	263.11	0.77	1.74	167	5.08
and		266.09	267.09	1	1.08	19.8	1.48

KL-12-114	BRX	45.58	47.85	2.27	6.86	153	9.92
and		81.15	82.15	1	2.26	51.2	3.28
and	Pika	106.64	119.22	12.58	2.25	40	3.05
including		106.64	107.64	1	9.55	137	12.3
and including		117.7	119.22	1.52	11.3	233	16
and	Herc	183.51	185.85	2.34	1.32	8.4	1.48
KL-12-115	Western Klaza	180.42	181.53	1.11	1.6	1.08	1.62
and		214.47	221.59	7.12	4.51	332	11.15
including		214.47	215.5	1.03	2.98	1560	34.18
and including		219.48	221.59	2.11	13.75	357	20.89
KL-12-116	Eastern Klaza	115.75	116.75	1	0.53	53.6	1.6
and		211.09	212.09	1	2.56	2.31	2.61
and		226.79	227.92	1.13	2.15	8.35	2.32
and		229.24	230.62	1.38	0.98	19.6	1.37
and		273.35	274.35	1	0.98	12.9	1.24
and		297.74	298.79	1.05	3.81	6.6	3.94
and		323.81	325.22	1.41	0.7	34.9	1.4
and		368.5	369.51	1.01	1.76	11.65	1.99
and		396	397	1	1.22	0.59	1.23
KL-12-117	Chevron	108.81	109.81	1	1.73	38	2.49
KL-12-118	BRX	158.42	166.05	7.63	0.62	33.3	1.29
including		165.05	166.05	1	1.85	145	4.75
KL-12-120	Chevron	72.79	73.8	1.01	2.54	45.6	3.45
and		101.09	102.35	1.26	3.97	95.4	5.88
and		118.73	119.73	1	0.34	50	1.34

KL-12-121	Eastern Klaza	87.69	89.03	1.34	1.29	5.02	1.39
and		93.5	94.5	1	0.71	25.1	1.21
and		295.7	296.85	1.15	1.24	1.58	1.27
and		301.1	302.12	1.02	1.22	2.48	1.27
and		374.6	376.42	1.82	1.52	4.14	1.6
and		386.6	404.63	18.03	1.43	2.69	1.48
including		386.6	387.7	1.1	5.3	11.8	5.54
and including		393.79	396.09	2.3	3.88	4.38	3.97
KL-12-122	Western Klaza	35.45	37.2	1.75	0.48	82.5	2.13
and		160.2	161.5	1.3	0.7	40.1	1.5
and		207.07	208.07	1	2.42	37	3.16
and		235.45	238.35	2.9	1.44	15.83	1.76
including		235.45	237.16	1.71	2.09	20.3	2.5
and		301.2	302.25	1.05	15.9	333	22.6
KL-12-123	BRX	248.85	249.85	1	5.09	37.4	5.84
and		258.33	259.53	1.2	1.89	13.9	2.17
and		277.07	278.07	1	1.02	15.05	1.32
KL-12-124	Western Klaza	7.2	9.82	2.62	1.33	42.6	2.18
and		42	43	1	0.67	49.5	1.66
and		202.94	203.94	1	1.98	72.3	3.43
and		260.75	264.59	3.84	0.95	40.1	1.75
and		291.78	292.91	1.13	1.08	34.1	1.76
KL-12-125	BRX	202.93	203.98	1.05	3.94	18.2	4.3
and		225.17	228.69	3.52	1.83	17.81	2.19
including		225.17	226.51	1.34	2.69	29.9	3.29
and		236.83	237.83	1	1.56	18.55	1.93
and		252.07	257	4.93	2.86	20.2	3.26
including		252.07	253.44	1.37	5.75	8.05	5.91
and including		255.85	257	1.15	5.36	75.8	6.88

and		265.26	266.26	1	2.49	3.33	2.56
and		269.73	270.73	1	4.96	5.95	5.08
KL-12-126		65.3	68.95	3.65	1.31	43.9	2.19
including	BRX	65.3	66.4	1.1	1.62	116	3.94
and including		67.8	68.95	1.15	2.4	22.9	2.86
and		133.7	135.3	1.6	4.4	4.06	4.48
and	Pika	145.4	147.3	1.9	2.06	23.9	2.54
and		179.92	181.97	2.05	1.58	1.54	1.61
and		189.5	190.5	1	1.56	2.5	1.61
KL-12-127		37.51	38.56	1.05	1.72	94.8	3.62
and	Western Klaza	168.11	169.11	1	5.73	204	9.81
and		186.35	187.35	1	1.41	169	4.79
KL-12-128		160.74	162.15	1.41	1.15	10.85	1.37
and	BRX	163.8	164.8	1	0.8	23.6	1.27
and		171.48	174.15	2.67	1.08	0.96	1.1
KL-12-131		168.8	172.3	3.5	1.28	14.69	1.57
including		168.8	169.9	1.1	2.75	1.05	2.77
and	Western Klaza	243.09	246.5	3.41	1.28	135	3.98
including		243.09	245.25	2.16	1.25	207	5.39
and		291.5	292.5	1	0.55	46	1.47
KL-12-132	BRX	186.88	188.36	1.48	5.11	41.1	5.93
KL-12-133		104.2	105.2	1	0.82	88.4	2.59
and		136.25	137.27	1.02	1.03	28.3	1.6
and	Central Klaza	160.63	161.63	1	1.62	105	3.72
and		237.41	239.41	2	2.36	218	6.72
including		237.41	238.41	1	3.22	400	11.22
and		260.45	261.45	1	1.92	13.6	2.19

and		292.77	293.77	1	2.13	19.3	2.52
and		334.3	336.1	1.8	2.78	29	3.36
and		359.93	360.93	1	0.66	265	5.96
and		383.27	384.27	1	0.97	16	1.29
and		422.76	423.76	1	1.57	55.3	2.67
and		439	445.7	6.7	11.9	5.23	12.01
including		439	440	1	5.25	8.32	5.42
and including		442.7	445.7	3	24.5	3.39	24.57
KL-12-134	BRX	65.6	66.9	1.3	0.36	53.1	1.42
KL-12-135	BRX	433.51	436.15	2.64	3.66	112	5.9
including		434.7	436.15	1.45	5.87	197	9.81

*Au equivalence (EQ) has been calculated using metal prices of $1300 per ounce gold and $26.00 per ounce silver, to be consistent with earlier calculations. It assumes 100% recoveries.

MAGNETIC SUSCEPTIBILITY DATA

Magnetic susceptibility measurements taken from 2010, 2011 and 2012 drill core indicate that the hydrothermally altered structural zones are considerably less magnetic than the unaltered granodiorite that surrounds them. Table 26 summarizes magnetic susceptibility data from drill holes completed from 2010 to 2012.

Table 26 - Magnetic Susceptibility Data

Average Magnetic Susceptibility (SI) of core from hanging wall of zones (range)	Average Magnetic Susceptibility (SI) of core within zones(range)	Average Magnetic Susceptibility (SI) of core from footwall of zones (range)
9.72 (0.52 to 27.62)	1.08 (0.25 to 2.94)	7.57 (0.24 to 26.39)

Subsidiary structures outside of the main zones are usually marked by narrow alteration envelopes (between 1 and 3 m wide), which have magnetic susceptibility values similar to the main zones. Measurements from these subsidiary structures account for the low-range values in the hanging wall and footwall rocks.

DENSITY DATA

Density measurements were systematically taken on core, throughout the 2011 and 2012 drill programs with a total of 1195 density measurements from 109 of the 124 holes drilled in those years. Measurements are mostly from vein, porphyry dyke, fresh granodiorite and mineralized

granodiorite but also include aplite and mafic dyke material. Sample densities were determined by cutting a 10 cm long section of core and then determining its weight dry and its weight in water. That data is applied to the following formula to establish the density of each sample:

Density = weight in air ÷ [Pi x (diameter of core ÷ 2)^2 x length of core]

For samples that could not be cut, a graduated cylinder (filled with water) was used to calculate the volume of the core sample and in turn the density. Employing this technique, each sample was first weighed in air, and then its displacement was calculated using a volumetric cylinder. A second formula was then used to determine the density of each sample:

Density = weight in air ÷ (Final Volume – Initial Volume)

In addition to density, the specific gravity was calculated using the following formula for each sample wherever possible. As a cross check, density and specific gravity values were compared. Any significant discrepancies were investigated and corrected.

Specific Gravity = weight in air ÷ (weight in air – weight in water)

Results from the density program are shown in Table 27.

Table 27 - Density Values Comparing Rock Types

Material	# of Samples	Highest Value (g/cm^3)	Lowest Value (g/cm^3)	Average Value (g/cm^3)
Porphyry Dyke	123	4.43	2.08	2.67
Mineralized Interval^	80	5.19	2.39	3.26
Mineralized Vein	22	5.19	2.80	3.70
Mineralized Granodiorite*	53	4.48	2.43	2.92
Unaltered Granodiorite	895	4.20	1.72	2.67
Other	44	3.54	2.33	2.78

^Interval grading greater than 1.0 g/t gold.

*Phyllic, argillic and propylitic altered granodiorite hosting narrow quartz-sulphide veins and veinlets. Breccia veins and gouge also occasionally present.

Mineralized materials usually contain significant concentrations of pyrite and galena, both of which have much higher specific gravities than normal rock-forming minerals. This is demonstrated in the table, which shows that veins, mineralized intervals and mineralized granodiorite all have higher average density values than the surrounding unmineralized rocks.

GEOPHYSICAL SURVEYS

In recent times, four geophysical surveys have been completed on the Property: SJ Geophysics conducted ground-based very low frequency electromagnetic (VLF-EM) and magnetic surveys on behalf of BYG Natural Resources in 1996 (Dujakovic et al., 1996); Aurora Geosciences Ltd. conducted a gradient array induced polarization survey on behalf of Bannockburn Resources in 2006 (Wengzynowski, 2006); New-Sense Geophysics (NSG) conducted two high sensitivity helicopter-borne magnetic and gamma-ray spectrometric surveys during the 2010 and 2011 field seasons (Turner and Tarswell, 2011); and Ground Truth Exploration conducted high resolution induced polarization surveys along two experimental lines in the Central Klaza and BRX zones during the 2013 field season.

The NSG surveys resulted in 326 line kilometres being flown on a grid that covered most of the property (Klaza 1 to 319 claims). Condor Consulting, Inc. oversaw quality control and produced a 3D model of the total field magnetics as well as various vertical derivatives. A copy of the full Condor report can be found in Tarswell and Turner (2012).

The 2010 and 2011 magnetic surveys identified a number of prominent magnetic lows on the Property (Figure 13). Subsequent trenching and drilling have shown that many of the westerly trending lows mark mineralized zones, while north trending breaks in the magnetic data correspond to cross-faults. These relationships are consistent with the low magnetic susceptibility results returned from core samples within the altered structural zones compared to those from surrounding unaltered wallrocks. Several of the magnetic lows extend outside the main area of exploration and have not yet been tested by drilling or trenching.

The SJ Geophysics VLF-EM and ground-based magnetic surveys covered 250 line kilometres on a 4 by 8 km grid in the central part of the Property. SJ Geophysics interpreted the data and produced images relating to it. The magnetic data from this program has only recently become available to Rockhaven and have not yet been reprocessed. The VLF-EM survey delineated numerous linear conductors. Trenching and drilling have shown that many of the westerly trending conductors mark mineralized zones, while north trending breaks in the VLF-EM data correspond to cross-faults.

The gradient array and pole-dipole IP survey conducted in 2006 by Aurora Geosciences covered an 1800 by 1450 m area in the east-central part of the Property. Readings were collected at 25 m intervals along lines spaced 100 m apart. This survey identified two main anomalies, both of which feature elevated chargeability with coincident resistivity lows (Figure 39 in Turner and Tarswell, 2011). The most prominent anomaly is located within the southeastern corner of the grid. It is only partially defined and currently comprises a 1000 m diameter, semicircular area characterized by moderate chargeability and low resistivity, which remains open to the south and east. This anomaly coincides with an area of weak to strong gold-in-soil geochemistry (25 to 100 ppb) and strong copper geochemistry (>200 ppm) as well as porphyry-style mineralization that is part of the Kelly zone. To date, only two trenches and one drill hole have tested the northern edge of the anomaly with the best result coming from DDH-KL-12-115, which averaged 0.15% copper, 0.14 g/t gold, 2.70 g/t silver and .010% molybdenum over 93.15 m.

The second anomaly consists of three westerly trending chargeability features of weak to moderate intensity. These chargeability features are 710 to 1200 m long and are offset 30 to 190 m to the south from parallel resistivity lows. In three areas within this anomaly, smaller chargeability highs directly coincide with resistivity lows. These areas correspond with parts of the BRX, AEX and BYG zones.

The experimental IP survey conducted by Ground Truth Exploration in 2013 collected dipole-dipole extended, inverse Schlumberger and strong gradient array data on lines 10+050 mE and 10+600 mE at the Klaza and BRX zones. Each of these lines was 415 m long (a single spread length for the arrays). Transceivers were placed 5 m apart along the lines, resulting in a very high signal-to-noise ratio providing high quality resistivity data. The mineralized vein and breccia zones tested by the two lines show up as resistivity lows that coincide with chargeability highs. The paired plots for all three arrays along both lines, as well as the location map for each line, are provided in a copy of Ground Truth Exploration's report in Appendix VIII.

SOIL GEOCHEMICAL SAMPLING

From 1967 to present various operators have collected soil geochemical samples from the eastern part of the Property. Historical samples were taken on baseline-controlled grids established using hip-chain and compass. Baselines were marked with one metre high wooden lath and sample sites were marked with 0.5 m wooden lath; however, few of these markers are currently standing. Early soil sampling identified linear gold±silver±lead anomalies, which correspond to some of the known mineralized zones, and a large (2000 by 3000 m) area with moderately to strongly anomalous copper-in-soil response in the vicinity of the Kelly zone, in the southeastern corner of the Property.

In 2010 and 2011, Rockhaven expanded grid sample coverage to the west and north of the earlier grids, and completed a few lines of contour samples in the northwestern part of the Property. Soil geochemical sampling continued in 2012, with most of the work in the southeast portion of the Property. No soil geochemical sampling was done in 2013.

Effectiveness of soil sampling is often limited by thick layers of organic material and overburden, and in many areas, by permafrost. Despite these limitations, soil sampling has been one of the most effective surface exploration techniques for identifying trenching or drilling targets on the Property.

Results for gold, silver, lead, arsenic and copper are illustrated thematically on Figures 14, 15, 16, 17, and 18, respectively. Table 28 lists anomalous thresholds and peak values for these elements.

Table 28 - Thresholds for Soil Values

	Anomalous Thresholds			Peak Value		
Element	**Weak**	**Moderate**	**Strong**	**2010**	**2011**	**2012**
Gold (ppb)	≥ 20 < 50	≥ 50 < 100	≥ 100	856	320	920
Silver (ppm)	≥ 0.5 < 1	≥ 1 < 2	≥ 2	5.8	61.3	20.9

Lead (ppm)	≥ 20 < 50	≥ 50 < 100	≥ 100	494	606	722
Copper (ppm)	≥ 50 < 100	≥ 100 < 200	≥ 200	94	512	1870
Arsenic (ppm)	≥ 20 < 50	≥ 50 < 100	≥ 100	349	213	1750

The Property exhibits distinct copper zonation from east to west. Copper is strongest in the southeastern part of the Property where a 2000 by 3000 m anomaly helps define the Kelly zone. However, response across the remainder of the gridded area is more subdued. The more southerly BRX, AEX, Dickson and Chevron zones have weakly elevated copper-in-soil signatures, while the zones further to the north show only background copper response.

The structural corridor hosting the nine known mineralized zones is defined by linear trends of moderately to strongly anomalous values for gold, silver, lead and arsenic. Similar but more discontinuous anomalies have been identified southwest and northeast of the structural corridor, where there are no known zones. Northwest along strike of the main zones, elevated soil values occur as isolated samples or in small clusters. The lack of continuity in these outlying anomalies is likely due in part to more difficult sampling conditions.

QUALITY ASSURANCE (QA) / QUALITY CONTROL (QC)

The authors implemented QA/QC protocols for the 2013 exploration program at the Property, under supervision of M. Dumala, P. Eng. Rules, which all employees working in or around the drills, core/sawing facility and trenches were required to follow, include: 1) maintaining a clean and uncontaminated work environment; 2) preparing blank samples in a dry, secure and separate location from the sample processing facility; 3) implementing a blank and standard insertion schedule in the sampling; 4) proper packaging and labelling of outgoing samples; and, 5) documented chain of custody from the worksite to the analytical laboratory.

In 2013, Archer Cathro ensured that a Chain of Custody form accompanied batches of trench samples during transportation from the Property to the laboratory. A unique security tag was attached to each individual fibreglass bag when the bag was sealed. The bags and security tags had to be intact in order to be delivered to ALS Minerals. If a security tag arrived at the laboratory damaged, an investigation into the sample bag was undertaken by ALS Minerals and Archer Cathro and any affected samples were not processed until the integrity of the samples was assured.

Digital analytical results were cross-referenced for silver, gold, copper, lead and zinc with certified hard copy results from ALS Minerals. Blank samples were then identified and their results assessed for internal QC using a five times standard deviation multiple for acceptable tolerance, which for the blanks used was the lowest detection limit for the analytical instruments used at ALS Minerals. Values exceeding tolerance levels were further scrutinized for possible influence by strongly mineralized samples that may have preceded the blank samples.

Internal standards were identified and their analyses were assessed in a similar manner. Tolerances for failure were calculated for each of the Certified Standards. Precision tolerances were calculated using three standard deviations on either side of the mean, while bias tolerances were calculated using two standard deviations for two consecutive samples on the same side of

the mean. Additional assessment was conducted by examining the sample series immediately preceding a failed sample for carry-over effects. Acceptable tolerance carry-over contamination is 1% of the preceding sample. All batches that had failures of standards and/or blanks were determined to pass once this tolerance was applied to data.

Three different Certified Standards were used during the 2012 drilling and trenching program. The Klaza 6 standard was randomly inserted into batches that were expected to return higher grade values for gold and silver. Batches that appeared to contain mainly average to lower grade samples had the Klaza 5 standard randomly inserted. Unmineralized material, or material appearing to be lower grade, had the Klaza 4 standard inserted.

The Klaza standards were prepared, homogenized and packaged by CDN Resource Laboratories Ltd. of Delta, B.C. All standards were certified by Smee & Associates Consulting Ltd. of North Vancouver, B.C. The certified mean and two standard deviations for the various standards are shown on the following tables.

Table 29 - Klaza 4 Standard

Element	Certified Mean	Two Standard Deviations (Between Lab)
Gold	0.355 g/t	0.040g/t
Silver	4.6 g/t	0.7 g/t
Lead	0.049 %	0.002 %
Zinc	0.087 %	0.008 %

Table 30 - Klaza 5 Standard

Element	Certified Mean	Two Standard Deviations (Between Lab)
Gold	0.880 g/t	0.072 g/t
Silver	11.9 g/t	1.1 g/t
Copper	0.028 %	0.002 %
Lead	0.128 %	0.010 %
Zinc	0.236 %	0.020 %

Table 31 - Klaza 6 Standard

Element	Certified Mean	Two Standard Deviations (Between Lab)
Gold	1.720 g/t	0.134 g/t
Silver	38.9 g/t	2.1 g/t
Copper	0.116 %	0.008 %
Lead	0.166 %	0.008 %
Zinc	0.332 %	0.034 %

QC procedures for trench samples involved the insertion of two blanks, two standards and one duplicate sample for all infill trench samples and one blank and one standard for all exploration trench batches. Results for the standard and blank samples from trenching are shown in Appendix IX.

All samples were routinely analyzed for gold by fire assay followed by atomic absorption (Au-AA24) and 48 other elements by four acid digestion (ME-MS61). All overlimit values were determined for gold by fire assay and gravimetric finish (Au-GRA22) and for silver using Ag-OG62.

If any standard or blank sample exceeded QC tolerances, the entire batch was reanalysed until all tolerances were met. The final results reported for the 2013 trenching include only batches of analyses that passed the QC testing.

DISCUSSION AND CONCLUSIONS

The Property is situated in an active placer gold mining camp and historical hard rock gold and silver mining district, which lie within the southern, road accessible portion of the Dawson Range Gold Belt. Other important areas within this belt include the prolific Klondike Goldfields,

the Casino porphyry copper-gold-molybdenum deposit and the recently discovered Coffee and Whitegold gold deposits.

Gold-silver mineralization at the Property is hosted in nine sub-parallel zones and numerous flanking structures, which collectively form a 2 km wide structural corridor within Mid-Cretaceous granitic country rocks. The zones are up to 100 m wide and consist of quartz-sulphide veins, breccias and fracture networks that are spatially associated with feldspar porphyry dykes. They exhibit exceptional lateral and downdip continuity, and all zones remain open for extension along strike and to depth. The best mineralization appears to be concentrated in areas where vein zones related to two structural sets converge or where vein zones are cut by cross-faults – thus creating dilatant zones. The precious metal rich structural zones occur north and west of known large but poorly defined porphyry copper-molybdenum-gold zones.

In large hydrothermal systems related to porphyry centres, silver and lead are usually concentrated in the distal structural environments, while copper and gold are generally more abundant closer to the core of the system. At the Property, the silver-lead grades are highest in the westernmost trenches and holes and decrease to the east, thus indicating the main heat source for the mineralizing fluids is probably located farther to the east. The Late Cretaceous to Tertiary age, Mount Nansen Porphyry Complex, (Cyprus and Kelly zones), is likely the main heat source for the hydrothermal system that deposited mineralization in the veins on the Property.

Carbonate Base Metal (CBM) deposit model has been postulated as the probable classification for vein mineralization at the Property. Key features of CBM deposits include: a substantial portion of the gold existing as native gold; mineralization occurring over a large vertical extent; and, mineralization occurring in multiple structures on the flanks of a large intrusion-driven hydrothermal system. All of these characteristics are associated with the mineralized system at the Property.

Preliminary metallurgical test programs initiated in 2012 and 2013 to provide a rough overview of the nature and possible processing routes related to oxide and sulphide mineralization at the Klaza and BRX zones showed that mineralogical variability that exists along the lengths of the zones resulted in corresponding differences in metallurgical response. More comprehensive testing will have to be done as these and other zones on the property are more thoroughly explored.

Ongoing exploration at the Property has largely been directed by geochemical and geophysical results. Multi-element soil geochemical anomalies mark the known mineralized zones and similar, mostly untested anomalies have been identified along strike and parallel to the known zones. Hydrothermal fluids that flowed through the mineralized structures have locally destroyed magnetite in the host rocks, precipitated sulphide minerals in fractures, veins and breccias, and altered some minerals comprising wallrocks in and around the zones. Magnetic susceptibility measurements of drill core confirm that the mineralized zones are considerably less magnetic than the surrounding, unaltered granodiorite, and helicopter-borne surveys have outlined magnetic lows along the known zones. There are numerous untested linear magnetic lows on the Property, which parallel the orientation of the known structural zones. Results of

ground-based VLF-EM surveys generally support the magnetic data. An induced polarization survey completed in 2006 identified areas of high chargeability on the western edge of the Kelly zone, which are only partially tested by drilling and trenching. These anomalies are open to the south and east onto recently acquired ground. A second, tighter array induced polarization survey was done in 2013 across the central parts of the Klaza and BRX zones and showed that broad chargeability highs and resistivity lows mark the main zone and flanking structures. The untested soil geochemical and geophysical anomalies are considered priority targets for future exploration.

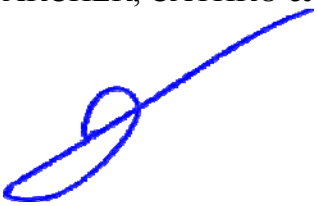
The geophysical surveys have also been successful in outlining cross-faults, which offset mineralization. The sense of movement along these faults is poorly understood, but analysis of the geophysical data has led to a number of hypotheses in regards to displacement of the mineralized zones. Determining the exact orientations and probable offsets of these cross-faults should be a priority for future work programs.

Rockhaven's exploration at the Property has dramatically increased the size of the known mineralized zones and has identified promising areas for further expansion and new discoveries. Since 2010, aggressive step-out drilling and trenching programs have mainly focused on understanding the extent and nature of the hydrothermal system, rather than defining specific ore shoots. The drilling has been very successful with over 95% of the 135 diamond drill holes intersecting significant mineralization within the targeted zones.

The next phase of exploration should include infill drilling to better understand structural details that control the distribution of higher grade parts of the mineralized system and some step-out trenching and drilling to further assess the ultimate potential of the system. Planned infill drilling will allow for resource estimations for parts of some of the zones, but much of the mineralized system will remain unquantified. At least some detailed drilling should target near-surface mineralization so that the sulphide-oxide interface can be established.

Respectfully submitted,

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APPENDIX I

STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Jared Tarswell, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2009 with a B.Sc. majoring in Earth and Environmental Sciences.

2. From 2010 to present, I have been actively engaged as a geologist in mineral exploration in Yukon Territory

3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.



Jared Tarswell, B.Sc.

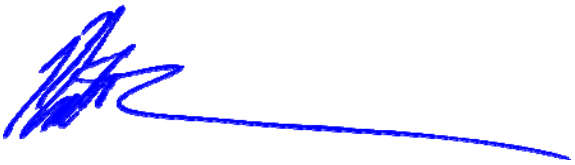
STATEMENT OF QUALIFICATIONS

I, Matthew Turner, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2002 with a B.Sc. majoring in Earth and Ocean Sciences.

2. From 2002 to present, I have been actively engaged as a geologist in mineral exploration in British Columbia, Yukon Territory and Northwest Territories

3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.



Matthew Turner, B.Sc.

APPENDIX II

STATEMENT OF EXPENDITURES

Statement of Expenditures
411 Klaza Property Mineral Claims
October 4, 2013

Excavator Trenching and Sampling

15317 Yukon	$268,024.32
ALS Chemex	82,942.86
CDN Resources	30,336.64
	$381,303.82

Total 1,937 samples = $197.885/sample

APPENDIX III

CYANIDATION RESULTS

Sample #	Zone	Location	Interval Width (m)	Original Assay		Cyanidation		Cyanide Recovery	
				Au	Ag	Au	Ag	%Au	%Ag
N815163	Dickson	TR-12-01	1.97	5.01	49	4.24	44.17	85%	90%
N815150	Dickson	TR-12-01	4.45	1.435	11.9	1.41	9.5	98%	80%
N897615	Dickson	TR-12-02	1.6	10.85	93.6	8.57	60.19	79%	64%
N895052	Dickson	TR-12-02	2.32	1.2	44.4	0.9	23.44	75%	53%
N897570	Dickson	TR-12-02	0.8	1.005	19.3	1.1	11.6	109%	60%
N897632	Dickson	TR-12-02	1.82	1.765	1.28	1.82	1.23	103%	96%
N897651	Dickson	TR-12-02	0.8	1.38	6.49	1.18	2.86	86%	44%
N829923	Eastern Klaza	TR-12-08	0.63	2.15	50.3	2.03	14.43	94%	29%
N829949	Eastern Klaza	TR-12-08	0.58	8.89	10.75	7.29	9.52	82%	89%
N829950	Eastern Klaza	TR-12-08	0.82	1.695	4.62	1.5	2.49	88%	54%
N829952	Eastern Klaza	TR-12-08	0.64	4.25	2.97	2.63	1.66	62%	56%
N829954	Eastern Klaza	TR-12-08	1.7	1.675	1.17	1.71	0.7	102%	60%
N829957	Eastern Klaza	TR-12-08	0.95	1.755	3.61	1.44	1.88	82%	52%
N828609	Eastern Klaza	TR-12-08	1.25	1.405	16.75	1.06	5.83	75%	35%
N828613	Eastern Klaza	TR-12-08	0.61	1.665	56.2	1.53	22.56	92%	40%
N828664	Eastern Klaza	TR-12-08	0.88	1.21	50.9	1.14	16.67	94%	33%
N828743	Eastern Klaza	TR-12-08	1.46	1.285	53.4	0.88	39.36	68%	74%
N815550	BRX	TR-12-23	0.9	5.46	82.6	4.67	57.14	86%	69%
N815548	BRX	TR-12-23	1.1	1.785	49	2.47	13.1	138%	27%
N815549	BRX	TR-12-23	1.4	2.6	95.4	1.49	23.65	57%	25%
M897808	Western Klaza	TR-12-35	1.25	3.32	66.1	3.25	56.56	98%	86%
M897807	Western Klaza	TR-12-35	1	8.29	452	7.12	308.7	86%	68%
N815075	Dickson Ext.	TR-12-36	2.3	5.73	279	4.81	219.9	84%	79%
N815076	Dickson Ext.	TR-12-36	2.5	6.7	355	6.15	260.5	92%	73%
N815077	Dickson Ext.	TR-12-36	2	1.075	64.2	1.03	56.97	96%	89%
N815078	Dickson Ext.	TR-12-36	2.4	1.18	39.5	1.01	37.04	86%	94%
N815760	Porphyry/ BRX	TR-12-39	1.05	1.115	34.4	1.1	16.03	99%	47%
N815992	Porphyry/ BRX	TR-12-39	1.4	1.38	31.6	1.63	4.69	118%	15%
M355705	Porphyry/ BRX	TR-12-39	3	1.46	5.23	1.24	2.11	85%	40%
M355793	Porphyry/ BRX	TR-12-39	1.35	8.41	26.1	8.24	9.88	98%	38%
							Avg	**90%**	**59%**

Sample #	Zone	Location	.	Original Assay		Cyanidation		Cyanide Recovery	
				Au	Ag	Au	Ag	%Au	%Ag
N829003	BYG	KL-12-65	1.00	2.78	20	0.8	7.28	29%	36%
N829456	BYG	KL-12-66	1.00	1.05	6.06	0.82	3.57	78%	59%
M899397	Dickson	KL-12-81	1.87	0.788	22.2	0.58	8.11	74%	37%
N810298	Pika	KL-12-89	2.20	3.84	43.2	2.29	19.71	60%	46%
M355249	BRX	KL-12-103	1.00	1.155	35.7	0.62	16.95	54%	47%
M355256	BRX	KL-12-103	1.52	1.895	111	0.5	52.45	26%	47%
N811891	AEX	KL-12-109	1.99	1.285	24.7	1.06	3.65	82%	15%
N813344	AEX	KL-12-112	1.00	5.3	5.5	5.24	3.21	99%	58%
N814751	BRX	KL-12-114	1.17	2.13	1.82	0.78	1.14	37%	63%
N814750	BRX	KL-12-114	1.10	11.9	313	9.54	78.2	80%	25%
M357197	Western Klaza	KL-12-124	2.62	1.33	42.6	1.02	24.1	77%	57%
M357420	AEX	KL-12-125	1.53	2.53	0.47	1.63	0.35	64%	74%
M357427	AEX	KL-12-125	1.27	0.986	7.34	1.04	5.61	105%	76%
M357647	Western Klaza	KL-12-127	1.05	1.72	94.8	0.49	46.98	28%	50%
M359904	Dickson	KL-12-130	1.15	2.55	5.13	0.72	2.74	28%	53%
M356616	AEX	KL-12-132	1.66	2.31	1.55	0.47	1	20%	65%
M356624	AEX	KL-12-132	1.39	1.425	14.95	0.54	4.26	38%	28%
M356626	AEX	KL-12-132	1.16	4.66	2.91	1.25	1.4	27%	48%
M356641	AEX	KL-12-132	1.09	2.38	2.49	0.86	1.21	36%	49%
M356140	BYG	KL-12-133	2.62	1.3	37.4	0.8	19.01	62%	51%
M356139	BYG	KL-12-133	2.74	0.719	23.4	0.61	7.55	85%	32%
							Avg	**57%**	**48%**

APPENDIX IV

METALLURGICAL RESULTS

An Investigation into

METALLURGICAL TESTING ON THE KLAZA DEPOSIT

prepared for

ARCHER CATHRO & ASSOCIATES LTD.

Project 50270-001 – Final Report
May 1, 2014

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Executive Summary

A scoping level test program was conducted on samples from the Klaza deposit in the Yukon Territory. Four samples representing different areas of the deposit were received. The head analyses of primary elements of interest are shown in Table 1. Full analyses are available in Appendix C.

Table 1: Head Assays

Element	Au (g/t)	Ag (g/t)	S (%)
Comp A	5.41	49.8	8.31
Comp B	4.64	79.3	8.14
Comp C	7.02	205	11.6
Comp D	5.06	290	4.88

All composites were subjected to extended gravity recoverable gold testing, flotation of gravity tails, direct cyanide leaching, and cyanide leaching of flotation concentrates. Additional flotation and leaching by cyanidation was performed on composites C and D as these composites best represent the deposit. Table 2 shows a summary of the calculated overall gold and silver recoveries for each process. Of the potential flowsheets, flotation of gravity tails provided the best overall recovery.

Table 2: Summary of Overall Recoveries

	Overall Au Recovery				Overall Ag Recovery			
	Comp A	Comp B	Comp C	Comp D	Comp A	Comp B	Comp C	Comp D
EGRG	24.8%	44.4%	12.9%	13.4%	14.1%	9.0%	5.8%	5.7%
Gravity + Flotation	98.3%	98.4%	98.1%	97.2%	95.6%	97.8%	98.8%	98.5%
Gravity + Flotation + Cyanidation	55.5%	70.4%	39.0%	23.1%	35.2%	34.5%	23.1%	9.8%
Cyanidation	59.6%	78.4%	41.6%	20.7%	31.9%	27.1%	19.1%	29.3%
Flotation (Whole Ore)			96.1%	96.1%			97.8%	98.3%
Flotation (Cln)			86.3%	41.2%			97.8%	95.5%
Flotation (Seq)			97.8%				98.6%	
Gravity + Flotation (Seq) + Cyanidation			63.8%				93.3%	

To improve the metallurgical process of the overall flowsheet, the following recommendations should be considered:

- Conduct additional flotation cleaner testwork to improve concentrate grade and recovery.
- Conduct pressure oxidation or roasting to improve gold recovery.
- Expand testwork to include determination of ore hardness (JK/SMC/SPI, BWI, Ai).
- Environmental characterisation for acid mine drainage and effluent quality.

Introduction

A metallurgical test program was initiated by Mr. Andrew Carne of Archer, Cathro & Associates 1981 Ltd. Mr. Carne requested a scoping level test program, to be conducted on four samples from Rockhaven Resources' Klaza deposit.

The objective of the project was to evaluate the gold recovery potential through metallurgical testing. The scope of the program included sample preparation, gravity, flotation and cyanidation. All testwork in this program was conducted at the SGS facility in Burnaby, BC under the SGS internal project number CAVM-50270-001. The test program was completed between April 2013 and February 2014.

The primary contact was Mr. Andrew Carne of Archer, Cathro & Associates 1981 Ltd. Mr. Carne was regularly updated with results as they became available, and regular discussions occurred throughout the course of the project.



Kristelle Sarinas, B.A.Sc.,
Metallurgist, Metallurgical Operations



Jake Lang, B.E.Sc.,
Manager of Metallurgy, Metallurgical Operations

Experimental work by: Keith Blunden, Yonika Wiputri, Kristelle Sarinas, Alexandria Hall
Report preparation by: Yonika Wiputri, Alexandria Hall
Reviewed by: Cheryl Mina, Kristelle Sarinas, Jake Lang

Testwork Summary

Four composites from the Klaza deposit were previously submitted for gold and silver deportment studies at SGS Canada. The results suggested that the composites will respond well to gravity and that the residual gold and silver could be recovered in flotation. Mineralogy results are shown in Appendix D

This test program consists of extended gravity recoverable gold testing, flotation of whole ore and gravity tailings and leaching by cyanidation of whole ore and flotation concentrates to substantiate the mineralogy results.

1. Sample Receipt and Preparation

Samples remaining from the deportment work were combined into four composites per the client specification shown in Appendix A. Each composite was stage crushed to -10 mesh, blended and riffled into 10 kg charges for metallurgical test work.

A 150g subsample of each composite was submitted for chemical analysis including gold, silver, iron, sulfur, arsenic and ICP Scan. The head analyses of primary elements of interest are shown in Table 3, full results are in Appendix C.

Table 3: Head Assays

Element	Au (g/t)	Ag (g/t)	S (%)
Comp A	5.41	49.8	8.31
Comp B	4.64	79.3	8.14
Comp C	7.02	205	11.6
Comp D	5.06	290	4.88

2. Metallurgical Testwork

2.1. Extended Gravity Recoverable Gold (E-GRG) Tests

The amenability of gold and silver to gravity recovery was evaluated using an E-GRG test conducted on 20 kg of Comp A, Comp B, Comp C and Comp D. The feed material was first ground to P_{80} ~850 µm and passed through the Knelson concentrator. The Knelson concentrate was upgraded using the Mozley table. Fractional gold and silver analysis on the Mozley concentrate and on a subsample of the combined Mozley and Knelson tails was conducted. The tailing was then ground to a target P_{80} ~200 µm. The gravity concentration, sampling and assaying procedures were repeated. The tailing was finally ground to P_{80} ~75 µm and the gravity concentration, sampling and assaying procedures were repeated.

The test details and results are presented in Appendix B. A summary of the test results for each composite is shown in Table 4. Recovery versus grind size results are shown graphically in Figure 1 and Figure 2.

Table 4: Summary of E-GRG and EGRS Results

	Au Recovery (% of Total)				**Head Assay** (g/t)	
	Stage 1	Stage 2	Stage 3	Total	Calculated	Direct
Comp A	9.2	9.1	6.5	24.8	4.28	5.41
Comp B	14.3	23.7	6.4	44.4	5.72	4.64
Comp C	3.2	4.9	4.8	12.9	7.14	7.02
Comp D	3.0	4.7	5.7	13.4	5.19	5.06

	Ag Recovery (% of Total)				**Head Assay** (g/t)	
	Stage 1	Stage 2	Stage 3	Total	Calculated	Direct
Comp A	4.1	6.6	3.4	14.1	68.1	49.8
Comp B	2.1	4.0	2.9	9.0	95.3	79.3
Comp C	1.4	2.5	1.9	5.8	208	205
Comp D	3.0	4.7	5.7	13.4	273	290

EGRG test results show that the gravity recoverable gold content of the composites from Klaza was equivalent to 24.8%, 44.4%, 12.9% and 13.4% for Comps A, B, C and D, respectively, of total contained gold. The gravity recoverable silver was equivalent to 14.1%, 9.0%, 5.8% and 13.4% of the total contained silver for Comps A, B, C and D. For all the composites, the gravity recoverable gold was not evenly distributed throughout the grind sizes evaluated. Calculated head grades from the EGRG test agreed closely with the assayed head grades for the composites.

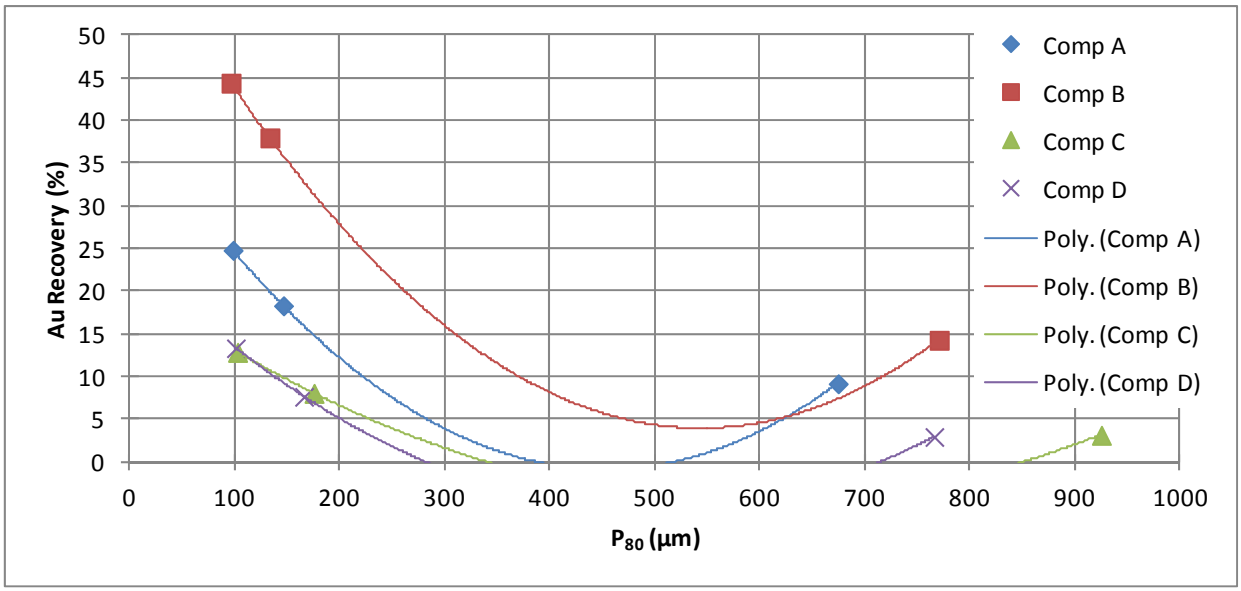


Figure 1: Gold Recovery vs. Grind Size

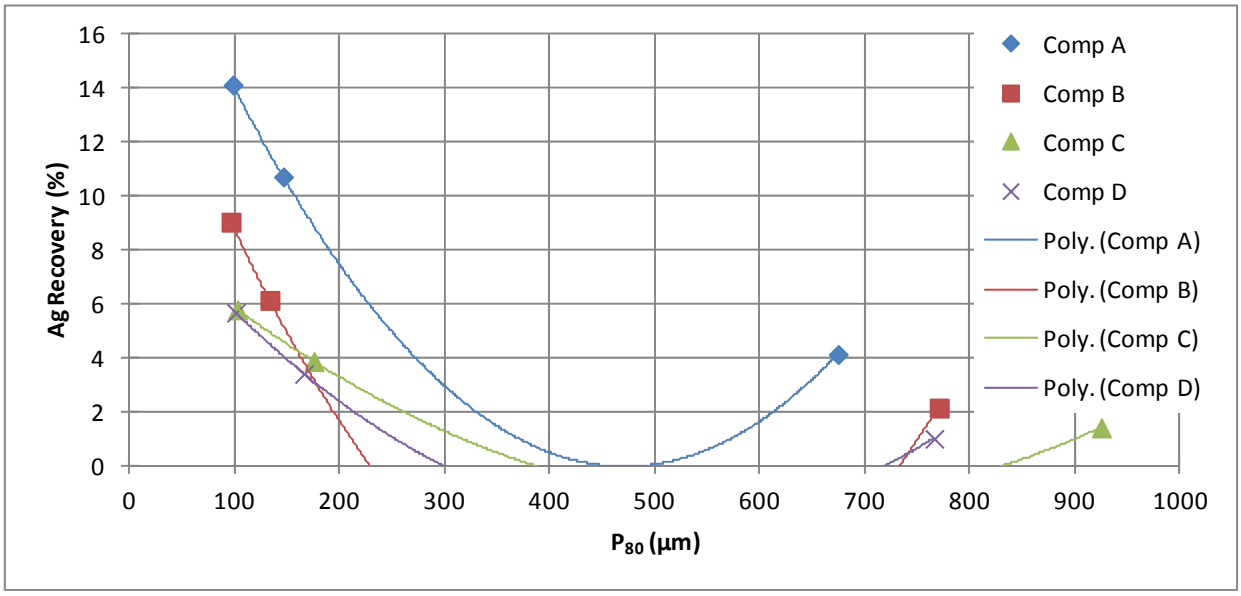


Figure 2: Silver Recovery vs. Grind Size

2.2. Flotation

2.2.1. Gravity Tailing Rougher Flotation

One flotation test was performed on gravity tailings for each composite (F1-F4). The reagent suite used included potassium amyl xanthate (PAX) at 50 g/t and Cytec Aerofloat 208 at 40 g/t. Flotation was conducted at the natural pH of 8.2, with MIBC as the frother.

Gold and silver recoveries versus time are shown in Figure 3 and Figure 4, with a summary of test conditions, recoveries and mass balances in Table 5. Both gold and silver recoveries for all composites were good, ranging from 96.8%-97.8% for gold, and 94.9%-98.7% for silver.

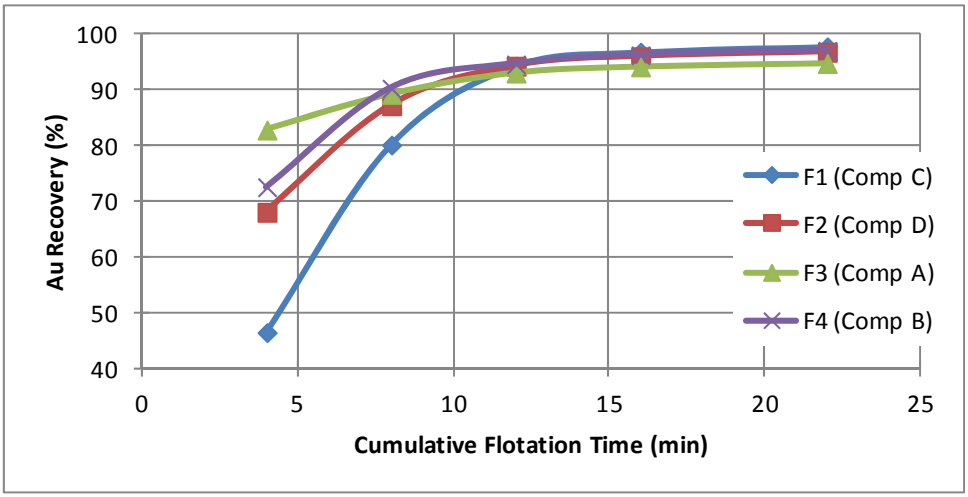


Figure 3: Gravity Tailing Flotation - Gold Recovery vs. Flotation Time

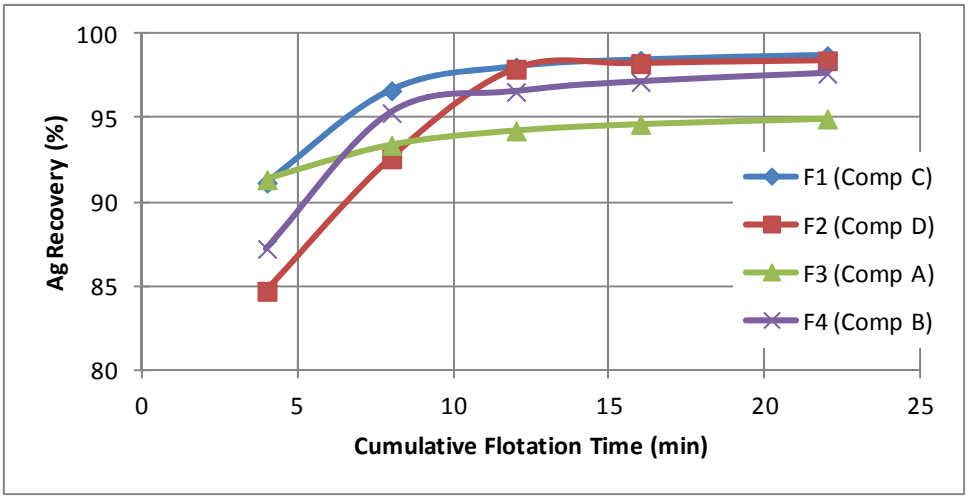


Figure 4: Gravity Tailing Flotation - Silver Recovery vs. Flotation Time

Table 5: F1-F4 Test Conditions and Mass Balance

Test	Product	Time	Wt.	Assay			Distribution		
				g/t	g/t	%	%		
		min	%	Au	Ag	S	Au	Ag	S
F3 (Comp A)	Ro Conc 1	4	18.3	16	306	43.0	82.8	91.3	92.3
P80=98	Ro Conc 1-2	8	20.2	15	284	40.8	89.2	93.4	96.3
pH: 8.3	Ro Conc 1-3	12	21.9	14.8	265	38.1	93.1	94.2	97.6
208/PAX	Ro Conc 1-4	16	23.0	14.2	252	36.4	94.2	94.6	98.1
	Ro Conc	**22**	**24.3**	**13.6**	**240**	**34.7**	**94.8**	**94.9**	**98.4**
	Ro Tail		75.7	0.24	4.10	0.18	5.2	5.1	1.6
	Head (calc.)		**100**	**3.48**	**61.4**	**8.55**	**100**	**100**	**100**
F4 (Comp B)	Ro Conc 1	4	13.0	19.1	610	45.6	72.6	87.2	63.5
208/PAX	Ro Conc 1-2	8	19.4	15.8	444	44.4	90.3	95.3	92.8
pH: 8.3	Ro Conc 1-3	12	21.0	15.4	417	42.8	94.6	96.6	96.5
P80=97	Ro Conc 1-4	16	22.1	14.9	398	41.1	96.2	97.1	97.5
	Ro Conc	**22**	**23.4**	**14.1**	**377**	**39.0**	**97.1**	**97.6**	**98.2**
	Ro Tail		76.6	0.13	2.80	0.22	2.9	2.4	1.8
	Head (calc.)		**100**	**3.41**	**90.6**	**9.30**	**100**	**100**	**100**
F1 (Comp C)	Ro Conc 1	4	18.2	18.1	1050	40.7	46.5	91.1	56.9
P80=105	Ro Conc 1-2	8	29.8	19.0	679	39.5	80.1	96.6	90.4
pH: 8.2	Ro Conc 1-3	12	34.0	19.6	604	37.1	94.3	98.0	97.0
208/PAX	Ro Conc 1-4	16	35.4	19.4	582	36.0	96.8	98.4	98.0
	Ro Conc	**22**	**36.7**	**18.9**	**564**	**35.0**	**97.8**	**98.7**	**98.5**
	Ro Tail		63.3	0.25	4.30	0.31	2.2	1.3	1.5
	Head (calc.)		**100**	**7.08**	**209.5**	**13.0**	**100**	**100**	**100**
F2 (Comp D)	Ro Conc 1	4	12.2	27.5	1930	30.4	68.1	84.7	74.6
P80=105	Ro Conc 1-2	8	16.1	26.7	1599	27.6	87.2	92.6	89.2
pH: 8.3	Ro Conc 1-3	12	18.0	25.8	1513	26.4	94.3	97.9	95.4
208/PAX	Ro Conc 1-4	16	19.4	24.4	1409	24.7	96.0	98.2	96.5
	Ro Conc	**22**	**20.7**	**23.1**	**1326**	**23.4**	**96.8**	**98.4**	**97.0**
	Ro Tail		79.3	0.20	5.60	0.19	3.2	1.6	3.0
	Head (calc.)		**100**	**4.94**	**278.4**	**4.98**	**100**	**100**	**100**

These four floats were repeated as F5-F8 to provide concentrate for leaching by cyanidation (L5-L8). Table 6 shows a summary of test conditions, recoveries and mass balances.

Table 6: F5-F8 Test Conditions and Mass Balance

Test	Product	Time	Wt.	Assay			Distribution		
				g/t	g/t	%	%		
		min	%	Au	Ag	S	Au	Ag	S
F5 (Comp A)	**Ro Conc**	**22**	**22.0**	**15.5**	**267**	**44.1**	**94.6**	**98.2**	**98.6**
pH: 7.75	Ro Tail		78.0	0.25	1.40	0.18	5.4	1.8	1.4
P80=99	**Head (calc.)**		**100**	**3.61**	**59.9**	**9.86**	**100**	**100**	**100**
F6 (Comp B)	**Ro Conc**	**22**	**23.3**	**14.6**	**356.0**	**41.2**	**95.7**	**97.9**	**98.3**
pH: 7.87	Ro Tail		76.7	0.2	2.3	0.2	4.3	2.1	1.7
P80=94	**Head (calc.)**		**100**	**4**	**85**	**10**	**100**	**100**	**100**
F7 (Comp C)	**Ro Conc**	**22**	**33.5**	**19.9**	**467.0**	**38.5**	**97.3**	**98.2**	**98.3**
pH: 8.22	Ro Tail		66.5	0.3	4.3	0.3	2.7	1.8	1.7
P80=101	**Head (calc.)**		**100**	**7**	**159**	**13**	**100**	**100**	**100**
F8 (Comp D)	**Ro Conc**	**22**	**16.8**	**26.1**	**1670.0**	**28.7**	**96.9**	**98.9**	**97.5**
pH: 8.23	Ro Tail		83.2	0.2	3.6	0.2	3.1	1.1	2.5
P80=102	**Head (calc.)**		**100**	**5**	**283**	**5**	**100**	**100**	**100**

2.2.2. Whole Ore Rougher Flotation

Whole ore rougher flotation was performed on composites C (F11) and D (F12) using the same conditions as the gravity tail rougher flotation. These samples performed well with recoveries of 96.1% Au for both composite C and D, and 97.8% Ag and 98.3% Ag for composites C and D respectively.

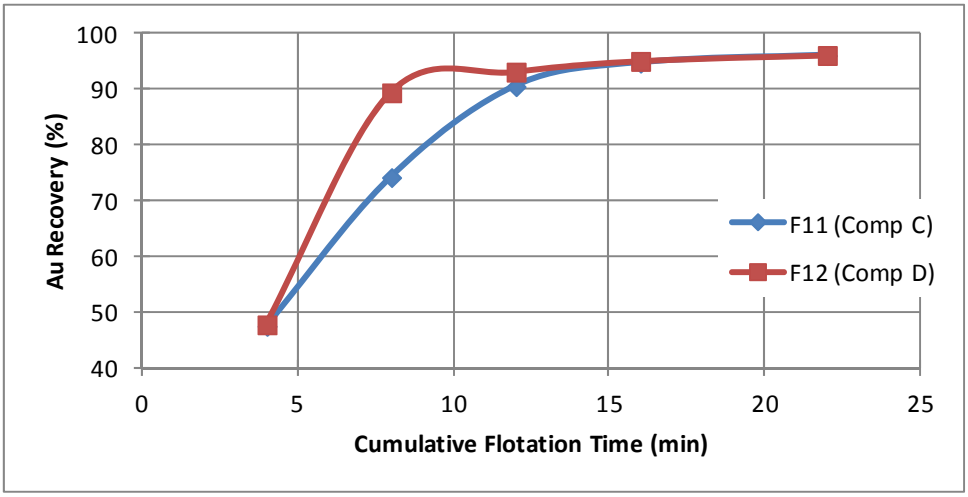


Figure 5: Whole Ore Flotation - Gold Recovery vs. Flotation Time

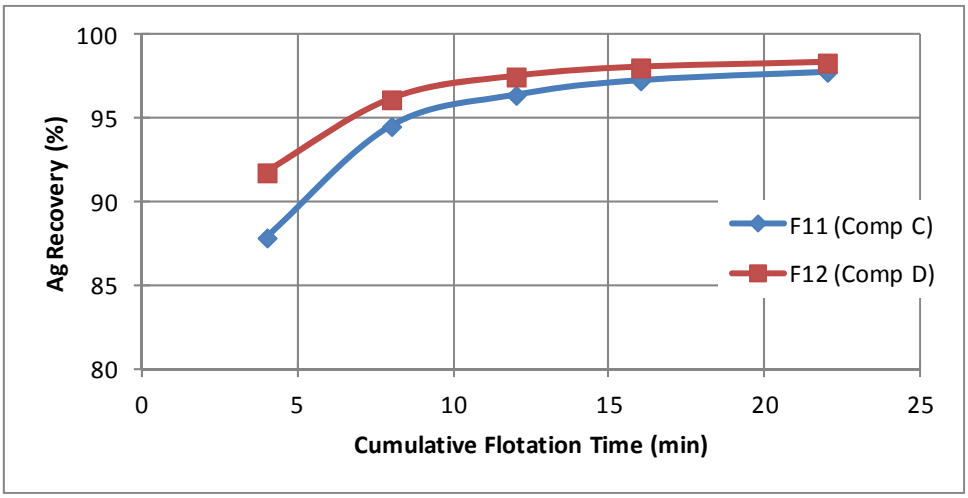


Figure 6: Whole Ore Flotation - Silver Recovery vs. Flotation Time

Test	Product	Time	Wt.	Assay			Distribution		
				g/t	g/t	%	%		
		min	%	Au	Ag	S	Au	Ag	S
F11 (Comp C)	Ro Conc 1	4	13.1	27.6	1350	35.6	47.5	87.9	36.3
208/PAX	Ro Conc 1-2	8	28.2	20.0	673	38.7	74.2	94.5	85.1
pH: 7.69	Ro Conc 1-3	12	32.7	21.1	593	36.4	90.5	96.4	92.8
P80=137	Ro Conc 1-4	16	34.9	20.6	560	35.0	94.7	97.3	95.3
	Ro Conc	**22**	**36.5**	**20.0**	**539**	**34.0**	**96.1**	**97.8**	**96.5**
	Ro Tail		63.5	0.47	7.10	0.70	3.9	2.2	3.5
	Head (calc.)		**100**	**7.61**	**201.1**	**12.8**	**100**	**100**	**100**
F12 (Comp D)	Ro Conc 1	4	10.8	20.7	2250	29.6	47.8	91.8	65.0
208/PAX	Ro Conc 1-2	8	15.5	27.0	1640	28.0	89.4	96.1	88.3
pH: 7.95	Ro Conc 1-3	12	18.0	24.2	1436	25.6	93.1	97.5	93.6
P80=101	Ro Conc 1-4	16	19.5	22.8	1330	24.1	95.0	98.0	95.8
	Ro Conc	**22**	**20.5**	**21.9**	**1270**	**23.3**	**96.1**	**98.3**	**97.1**
	Ro Tail		63.5	0.23	5.60	0.18	3.9	1.7	2.9
	Head (calc.)		**100**	**4.68**	**264.6**	**4.92**	**100**	**100**	**100**

2.2.3. Whole Ore Cleaner Flotation

Two cleaner flotation tests were performed on composite C whole ore, and one was performed on composite D whole ore. Initial recoveries on composite C (F13) were 60.6% Au with and 95.6% Ag, and when reagents were doubled and copper sulfate added (F15) recoveries were 86.3% Au and 97.8% Ag. Recoveries for composite D (F14) were 41.2% Au and 95.5% Ag.

Table 7: Cleaner Flotation Summary

Test	Product	Time	Wt.	Assay			Distribution		
				g/t	g/t	%	%		
		min	%	Au	Ag	S	Au	Ag	S
F13 (Comp C)	1st Cln Conc 1	1	11.4	24	1310	39.5	38.6	70.1	35.6
Regrind=49	1st Cln Conc 1-2	3	19.3	21	1004	39.9	55.3	90.6	60.6
pH: 7.69	1st Cln Conc 1-3	6	21.1	20	953	40.1	58.3	94.0	66.7
208/PAX	**1st Cln Conc 1-4**	**11**	**22.6**	**19**	**905**	**40.2**	**60.6**	**95.6**	**71.5**
P80=89	**Ro Conc**		**38.9**	**17.6**	**541**	**31.6**	**95.5**	**98.4**	**96.8**
	Ro Tail		61.1	0.53	5.60	0.66	4.5	1.6	3.2
	Head (calc.)		100	7.16	213.7	12.7	100	100	100
F15 (Comp C)	1st Cln Conc 1	1	14.7	26	1210	39.6	50.5	79.6	46.6
Regrind=44	1st Cln Conc 1-2	3	22.6	22	929	40.0	65.4	94.0	72.5
pH: 8.07	1st Cln Conc 1-3	6	25.3	21	847	40.1	70.0	96.2	81.5
208/PAX/CuSO4	1st Cln Conc 1-4	11	27.6	20	784	39.8	74.7	97.1	88.1
P80=92	**1st Cln Conc 1-5**		**30.3**	**21**	**720**	**38.4**	**86.3**	**97.8**	**93.4**
	Ro Conc		**36.8**	**19.6**	**596**	**32.8**	**96.1**	**98.4**	**97.0**
	Ro Tail		63.2	0.46	5.80	0.60	3.9	1.6	3.0
	Head (calc.)		100	7.49	222.8	12.5	100	100	100
F14 (Comp D)	1st Cln Conc 1	1	2.1	31	7120	22.9	12.5	58.1	10.2
Regrind=37	1st Cln Conc 1-2	3	4.4	28	5102	26.2	23.8	85.9	24.0
pH: 8.16	1st Cln Conc 1-3	6	6.1	27	3983	29.7	30.9	92.1	37.4
208/PAX	**1st Cln Conc 1-4**	**11**	**8.5**	**26**	**2971**	**33.6**	**41.2**	**95.5**	**58.8**
P80=99	**Ro Conc**		**14.7**	**32.4**	**1742**	**30.1**	**90.5**	**97.6**	**91.7**
	Ro Tail		85.3	0.59	7.50	0.47	9.5	2.4	8.3
	Head (calc.)		100	5.28	263.1	4.84	100	100	100

2.2.4. Sequential Flotation

Two sequential float tests were performed on composite C, one on gravity tails (F9) and one on whole ore (F10). Soda ash, sodium cyanide, zinc sulfate, Cytec Aerophine 3418A, Cytec Aerofloat 241 promoter, and MIBC as frother were used in the bulk rougher stage. Lime, copper sulfate, Cytec Aero 5100 promoter, sodium isopropyl xanthate (SIPX), and MIBC as frother were used in the zinc stage. These tests did not perform significantly better than the standard rougher flotation tests, and did not separate the gold into either the bulk rougher concentrate or the zinc concentrate. Table 11 shows a summary of the testwork.

Another sequential flotation test on whole ore composite C (F16) based on F9 was conducted at a lower Zn circuit pH to generate a pyrite rougher concentrate which was forwarded to leaching by cyanidation. Table 12 shows a summary of the testwork.

Table 8: Sequential Flotation Summary

Test	Product	Time	Wt.	Assay					Distribution				
				g/t	g/t	%	%	%	%				
		min	%	Au	Ag	S	Pb	Zn	Au	Ag	S	Pb	Zn
F9 (Comp C Tails)	Bulk Ro Conc 1	1	3.7	29.4	2790	23.1	23	18.0	17.2	58.0	7.0	64.2	32.4
P80 = 103	Bulk Ro Conc 1-2	3	6.8	28.3	2226	23.6	17	19.5	30.4	84.9	13.1	87.0	64.4
NaCN/ZnSO4 = 80/120	**Bulk Ro Conc 1-3**	**6**	**7.9**	**27.6**	**2009**	**23.7**	**15**	**19.5**	**34.3**	**88.8**	**15.2**	**90.0**	**74.8**
3418A/241	Zn Ro Con 1	1	9.0	16.4	70.8	39.6	0.3	4.09	23.3	3.6	29.1	1.9	17.8
CuSO4 = 200	Zn Ro Con 1-2	3	23.9	15.2	58.8	39.4	0.3	2.04	57.5	7.9	76.9	4.7	23.7
5100/SIPX	**Zn Ro Con 1-3**	**7**	**27.4**	**14.4**	**59.5**	**36.9**	**0.3**	**1.83**	**62.6**	**9.2**	**82.6**	**5.7**	**24.4**
pH: 9.80/9.50	Ro Conc	13	35.3	17.4	494	33.9	3.6	5.78	96.9	97.9	97.8	95.7	99.2
	Head (calc.)		**100**	**6.33**	**178**	**12.3**	**1.33**	**2.06**	**100**	**100**	**100**	**100**	**100**
F10 (Comp C Whole Ore)	Bulk Ro Conc 1	1	5.7	45.0	2350	17.6	24	3.91	34.6	66.7	7.9	84.4	10.8
P80 = 80	Bulk Ro Conc 1-2	3	8.5	38.6	1987	17.7	18	3.89	44.2	83.8	11.8	94.9	16.0
NaCN/ZnSO4 = 90/270	Bulk Ro Conc 1-3	6	9.3	37.0	1876	17.8	17	3.90	46.5	86.9	13.0	96.1	17.7
3418A/241	**Bulk Ro Conc 1-4**	**9**	**9.6**	**36.6**	**1846**	**17.8**	**16**	**3.91**	**47.3**	**88.0**	**13.4**	**96.4**	**18.2**
CuSO4 = 200	Zn 1st Cln Con 1	1	3.6	10.1	321.0	33.2	0.47	43.2	4.9	5.8	9.4	1.0	76.1
5100/SIPX	**Zn 1st Cln Con 1-2**	**4**	**4.5**	**12.8**	**313.0**	**32.3**	**0.50**	**36.7**	**7.8**	**7.0**	**11.4**	**1.4**	**80.3**
pH: 9.00/10.30	**Zn Ro Con**	**9**	**30.6**	**12.2**	**69.1**	**35.2**	**0.15**	**5.42**	**50.5**	**10.6**	**84.9**	**2.8**	**80.9**
	Ro Conc	22	40.2	18.0	492	31.1	4.01	5.06	97.8	98.6	98.3	99.2	99.2
	Head (calc.)		**100**	**7.39**	**200**	**12.7**	**1.62**	**2.05**	**100**	**100**	**100**	**100**	**100**

Table 9: Sequential Flotation for Leaching Feed Summary

Test	Product	Time	Wt.	Assay					Distribution				
				g/t	g/t	%	%	%	%				
		min	%	Au	Ag	S	Pb	Zn	Au	Ag	S	Pb	Zn
F16 (Comp C Whole Ore)	Bulk Ro Conc 1	1	7.2	31.2	1810	15.4	17	3.55	33.9	62.9	9.5	78.9	12.0
P80 = 97	Bulk Ro Conc 1-2	3	11.7	26.9	1429	15.3	13	3.62	47.6	81.1	15.5	93.2	20.0
NaCN/ZnSO4 = 80/120	Bulk Ro Conc 1-3	6	12.6	26.6	1403	15.5	12	3.71	50.6	85.3	16.8	95.0	21.9
3418A/241	Py Rougher Con	11	32.7	9.77	87	29.3	0.2	5.03	48.3	13.7	82.5	4.3	77.5
CuSO4 = 200	Ro Conc	17	45.3	14.5	452	25.5	3.5	4.66	98.9	99.0	99.3	99.3	99.5
5100/SIPX	Ro Tail		54.7	0.13	3.9	0.15	0.02	0.02	1.1	1.0	0.7	0.7	0.5
pH: 9.00/8.02	**Head (calc.)**		**100**	**6.62**	**207**	**11.6**	**1.59**	**2.12**	**100**	**100**	**100**	**100**	**100**

2.3. Cyanidation

2.3.1. Whole Ore Cyanidation

One whole ore leach test was conducted on each composite to investigate leaching kinetics (L1-L4). A summary of the testwork is provided in Table 10. Full tests results can be found in Appendix B.

Table 10: Whole Ore Leaching Summary

Test ID	Sample ID	Grind Size (µm)	Leach Time (hr)	NaCN Addition (g/L)	Consumption		Calculated Head		%Extraction	
					NaCN (kg/t)	CaO (kg/t)	Au (kg/t)	Ag (kg/t)	Au	Ag
L1	Comp A	102	48	1.00	0.91	0.77	4.78	67.1	59.6	31.9
L2	Comp B	103	48	1.00	0.97	0.30	5.23	95.9	78.4	27.1
L3	Comp C	107	48	1.00	0.78	0.32	7.90	218.1	41.6	19.1
L4	Comp D	101	48	1.00	0.63	0.42	5.35	276.6	20.7	29.3

Gold extraction ranged from 20.7% to 78.4%, and silver ranged from 19.1% to 31.9%. Composites A and B performed moderately well in gold extraction, however silver extraction was poor. Composites C and D performed poorly in both gold and silver extraction. Figure 8 and Figure 9 show the leach kinetics; the gold kinetics plateau after approximately 24 hours, but no plateau is observed in the silver kinetics.

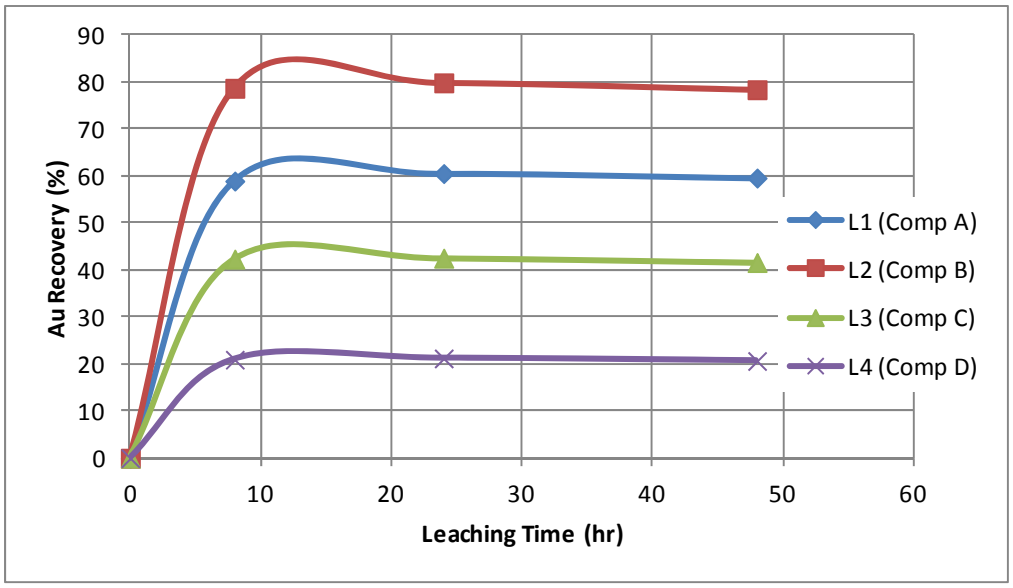


Figure 7: Whole Ore Leaching - Gold Kinetics

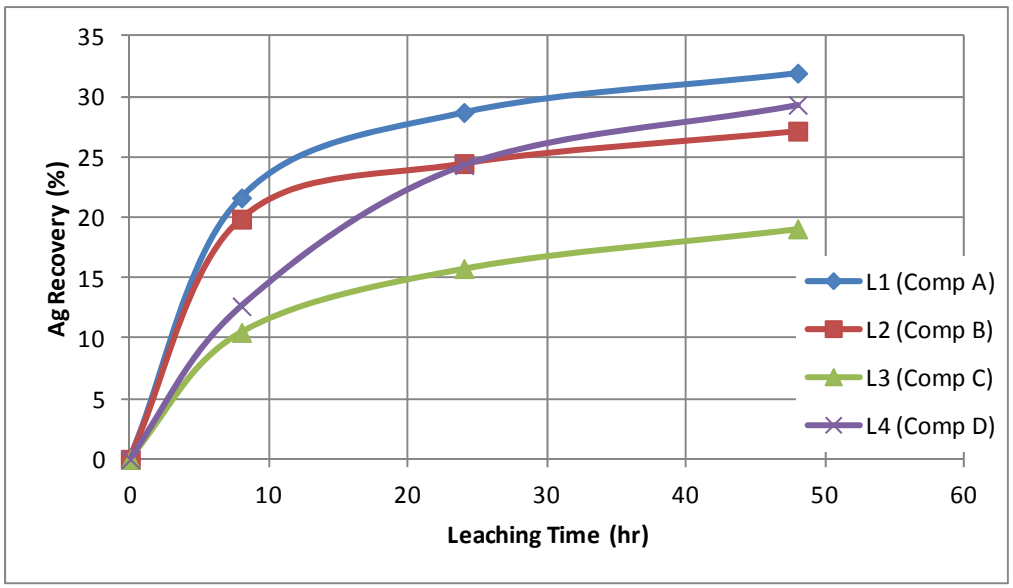


Figure 8: Whole Ore Leaching - Silver Kinetics

2.3.2. Flotation Concentrate Cyanidation

One leach test was performed on flotation rougher concentrate (from F5-L8) for each composite (L5-L8). Table 11 shows a summary of the testwork. Full test results can be found in Appendix B.

Table 11: Flotation Concentrate Leaching Summary

Test ID	Sample ID	Grind Size (µm)	Leach Time (h) Time (hr)	NaCN Addition (g/L)	Consumption		Calculated Head		% Extraction	
					NaCN (kg/t)	CaO (kg/t)	Au (g/t)	Ag (g/t)	Au	Ag
L5	Comp A	96	72	5.00	7.87	0.15	13.1	260.0	43.1	25.0
L6	Comp B	100	72	5.00	12.93	0.00	13.5	397.0	48.9	28.6
L7	Comp C	100	72	5.00	4.98	0.07	17.7	522.0	30.8	18.7
L8	Comp D	101	72	5.00	4.65	0.28	26.3	1517.0	11.5	4.4

Gold extraction ranged from 11.5% to 48.9%, and silver extraction ranged from 4.4% to 28.6%. These samples did not perform well, and the sample may be refractory. Figure 9 and Figure 10 show the leaching kinetics.

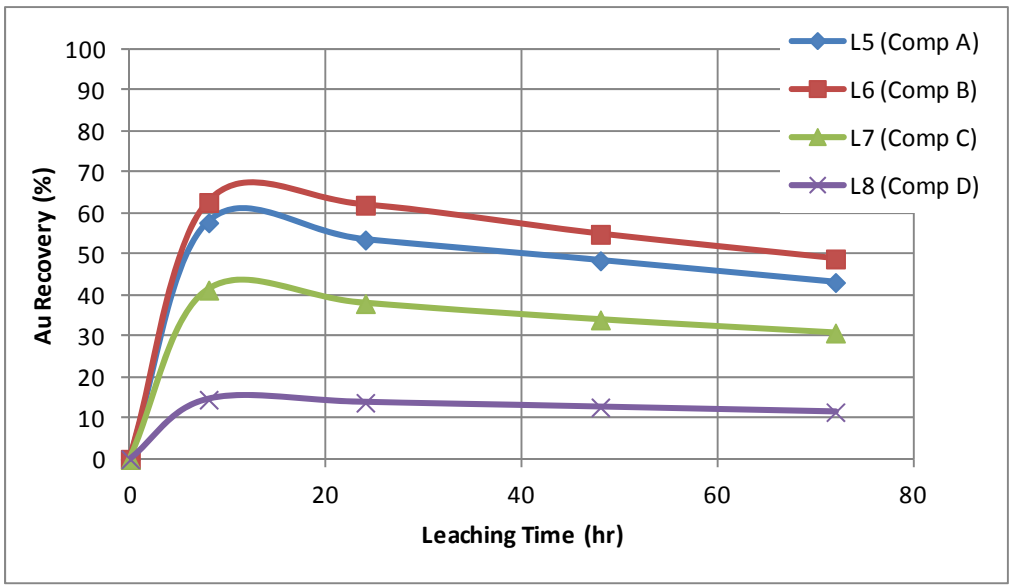


Figure 9: Flotation Concentrate Leaching - Gold Kinetics

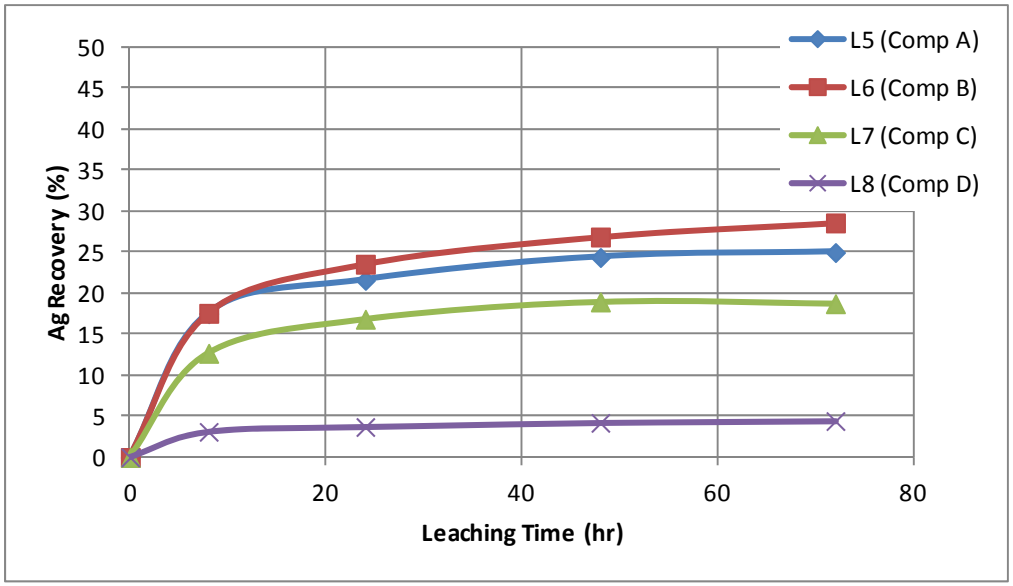


Figure 10: Flotation Concentrate Leaching - Silver Kinetics

2.3.3. Flotation Concentrate – Pyrite Rougher Concentrate Cyanidation

A single bottle roll test was conducted on pyrite rougher concentrate from F16 (L9). Based on previous tests showing initial dissolved oxygen levels being less than 4, the sample was pre-aerated for 24 hours before a high dose of cyanide was added. Table 12 shows a summary of the testwork. Full results can be found in Appendix B.

Table 12: Flotation Pyrite Rougher Concentrate Leaching Summary

Test ID	Sample ID	Grind Size (µm)	Leach Time (h) Time (hr)	NaCN Addition (g/L)	Consumption		Calculated Head		%Extraction	
					NaCN (kg/t)	CaO (kg/t)	Au (g/t)	Ag (g/t)	Au	Ag
L9	Comp C	97	96	10.00	32.04	0.36	11.5	98.0	16.2	55.1

Figure 11 and Figure 12 show the leaching kinetics. This sample did not perform well, with gold extraction reaching a peak of less than 20% and declining after 24 hours. This sample may be refractory.

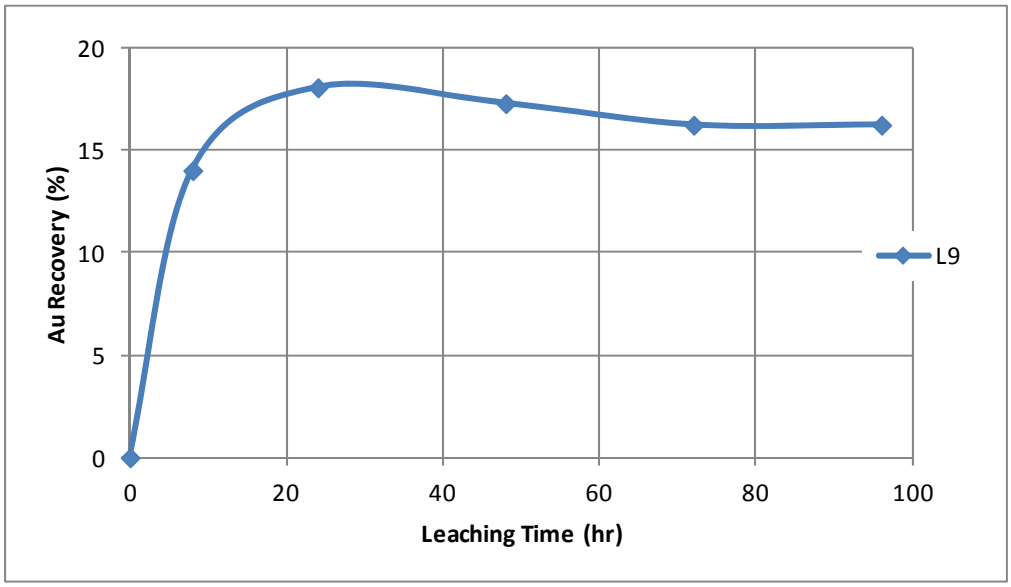


Figure 11: Pyrite Rougher Concentrate Leaching - Gold Kinetics

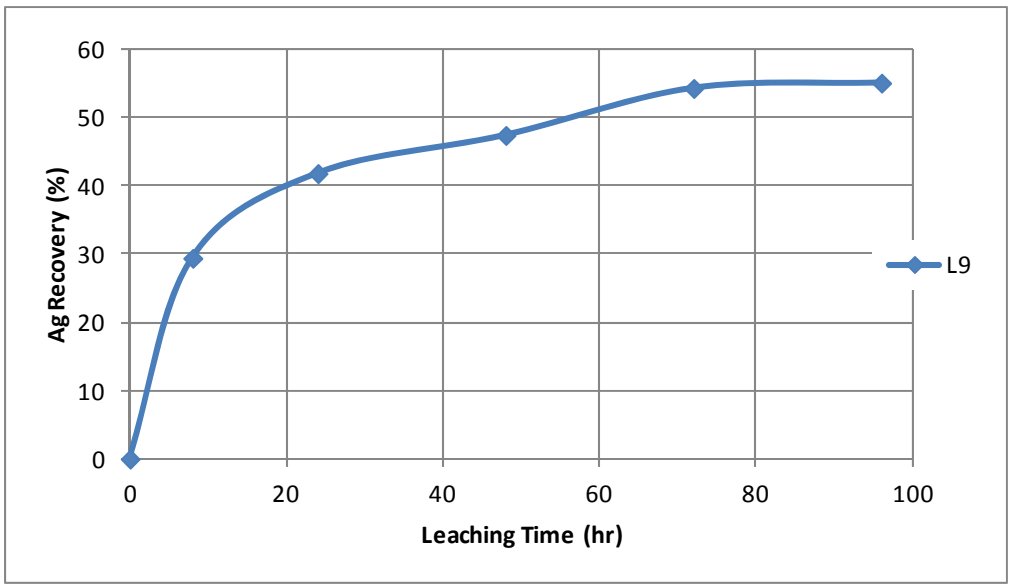


Figure 12: Pyrite Rougher Concentrate Leaching - Silver Kinetics

2.4. Overall Recoveries

Table 13 shows the recoveries of all tests conducted, and the calculated recoveries of testwork consisting of multiple processes.

Table 13: Calculated Overall Recoveries

	Overall Au Recovery				Overall Ag Recovery			
	Comp A	Comp B	Comp C	Comp D	Comp A	Comp B	Comp C	Comp D
EGRG	**24.8%**	**44.4%**	**12.9%**	**13.4%**	**14.1%**	**9.0%**	**5.8%**	**5.7%**
EGRG	24.8%	44.4%	12.9%	13.4%	14.1%	9.0%	5.8%	5.7%
Flotation (F1-F4)	97.8%	97.1%	97.8%	96.8%	94.9%	97.6%	98.7%	98.4%
Gravity + Flotation	**98.3%**	**98.4%**	**98.1%**	**97.2%**	**95.6%**	**97.8%**	**98.8%**	**98.5%**
Cyanidation (Whole Ore) (L1-4)	**59.6%**	**78.4%**	**41.6%**	**20.7%**	**31.9%**	**27.1%**	**19.1%**	**29.3%**
EGRG	24.8%	44.4%	12.9%	13.4%	14.1%	9.0%	5.8%	5.7%
Flotation (F5-F8)	94.6%	95.7%	97.3%	96.9%	98.2%	97.9%	98.2%	98.9%
Cyanidation (L5-L8)	43.1%	48.9%	30.8%	11.5%	25.0%	28.6%	18.7%	4.4%
Gravity + Flotations + Cyanidation	**55.5%**	**70.4%**	**39.0%**	**23.1%**	**35.2%**	**34.5%**	**23.1%**	**9.8%**
EGRG			12.9%				5.8%	
Flotation (Seq) (F9)			96.9%				97.9%	
Gravity + Flotation (Seq)			**97.3%**				**98.0%**	
Flotation (Seq) (F10)			**97.8%**				**98.6%**	
Flotation (Whole Ore) (F11-F12)			**96.1%**	**96.1%**			**97.8%**	**98.3%**
Flotation (Cln) (F13-F14)			**60.6%**	**41.2%**			**95.6%**	**95.5%**
Flotation (Cln) (F15)			**86.3%**				**97.8%**	
EGRG			12.9%				5.8%	
Bulk Ro Con (F16)			50.6%				85.3%	
Py Ro Con (F16)			48.3%				13.7%	
Cyanidation (L9)			16.2%				55.1%	
Gravity + Flotation (Seq) + Cyanidation			**63.8%**				**93.3%**	

Conclusions and Recommendations

Conclusions

The Klaza deposit has shown promising results in the conducted testwork. From completed testwork the flowsheet producing the highest recovery was rougher flotation of gravity tailings.

Sample Characterisation

- The gold assay grades were determined to be 5.41 g/t for composite A, 4.64 g/t for composite B, 7.02 g/t for composite C, and 5.06 g/t for composite D.

Metallurgical Testing

- Extended gravity recoverable gold testing of the composites using a Knelson concentrator and a Mozley concentrating table produced recoveries of 24.8% Au, 44.4% Au, 12.9% Au and 13.4% Au for composites A, B, C and D respectively. Gravity recoverable silver ranged from 5.7% to 14.1%.

- Rougher flotation testing of the gravity tails from each composite produced recoveries of 97.2% to 98.4% Au and 95.6% to 98.8% Ag.

- Cyanidation of flotation concentrate from gravity tails flotation for each composite produced recoveries of 23.1% to 70.4% Au and 9.8% to 35.2% Ag.

- Whole ore cyanidation on each composite produced recoveries ranging from 20.7% to 78.4% Au and 19.1% to 31.9% Ag.

- Sequential rougher flotation on composite C produced a recovery of 97.8% Au, and 98.6% Ag.

- Cleaner flotation on composite C produced recoveries of 60.6% to 86.3% Au and 95.6% to 98.6% Ag. Cleaner flotation on composite D produced a recovery of 41.2% Au and 95.5% Ag.

- Cyanidation of pyrite rougher concentrate generated from sequential flotation of composite C gravity tails produced a recovery of 63.8% Au and 93.3% Ag.

Recommendations

In order to further optimize flowsheet configuration, it is recommended that additional testwork is conducted. Additional flotation cleaner testwork should be conducted to improve concentrate grade and recovery. Pressure oxidation or roasting should also be considered to improve gold recovery.

Expanding testwork to include determination of ore hardness (JKTech Drop-weight test/SMC test/SAG Power Index,, Bond Work Index, Abrasion Index, etc.) is recommended.

Environmental characterisation for acid mine drainage and effluent quality should also be considered.

Appendix A – Sample Preparation

SGS

SAMPLE PREPARATION AND COMPOSITING INSTRUCTIONS

Receipt Number: _____ Date: March 13 2013
Project Number: 50270-002 Metallurgist: Yonika Dept.:
Name of Company: Archer Cathro & Associates
Name of Samples: Comp A, B, C, D

Crushing Information: (Indicate Size Required)

Jaw Crush to: -2" ☐ -1" ☐ -3/4" ☐ -1/2" ☐ -3/8" ☐
-3 Mesh (1/4") ☐ -6 Mesh (3.3 mm) ☒ **Riffle and Store** ☐
Roll Crush to: -10 Mesh (2 mm) ☒ -20 Mesh (0.84 mm) ☐ **Riffle and Store** ☐

Analyses Required:

Head Sample: Yes Number: 1 × Weight of Each 150-g
Chemical Analyses: ICP Scan for all; Au, Ag, Fe, As, S (Comp D only)
Bucking Room:
Mineralogy:
Other:

Storage Information:

Freezer Storage: ☒ Sample Plant Storage: ☐ Other:

Compositing Instructions:

1. Stage crush each composite to -10 mesh
2. Make into 10 kg charges (as many as possible)
3. Store in freezer

Composite	#of Charges	Weight (kg)	Reject (kg)	Other (kg)
A	3	10	3.37	4.7
B	6	10	4.70	4.7
C	3	10	2.93	4.7
D	2	10	6.40	4.7

Note: All of the samples are 80%+ fine

F#9 = comp C&D, F#10 = Comp A&B

COMPLETED BY: BR **DATE COMPLETED:** 25 Mar 2013

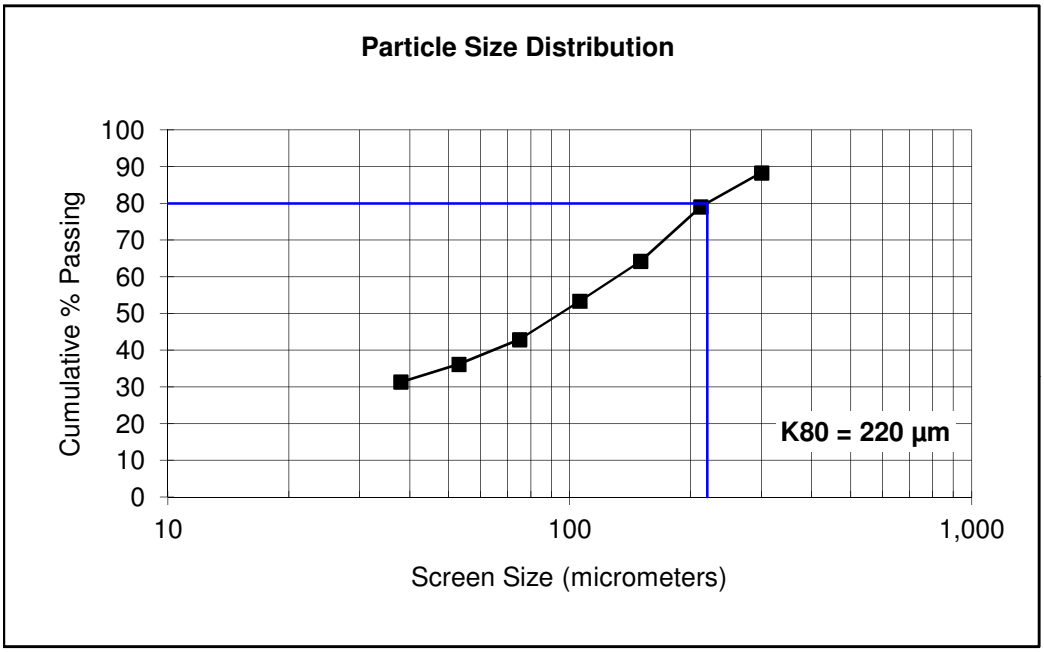
Appendix B – Metallurgical Testwork

SGS Minerals Services
Size Distribution Analysis

Project No.
50270-001

Sample: **Comp A 10mesh** Test No.: **2kg RM3 15 min**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	20.0	11.7	11.7	88.3
65	212	15.8	9.2	20.9	79.1
100	150	25.4	14.9	35.8	64.2
150	106	18.5	10.8	46.6	53.4
200	75	17.9	10.5	57.1	42.9
270	53	11.5	6.7	63.8	36.2
400	38	8.3	4.9	68.7	31.3
Pan	-38	53.5	31.3	100.0	0.0
Total	**-**	**170.9**	100.0	**-**	**-**
K80	**220**				

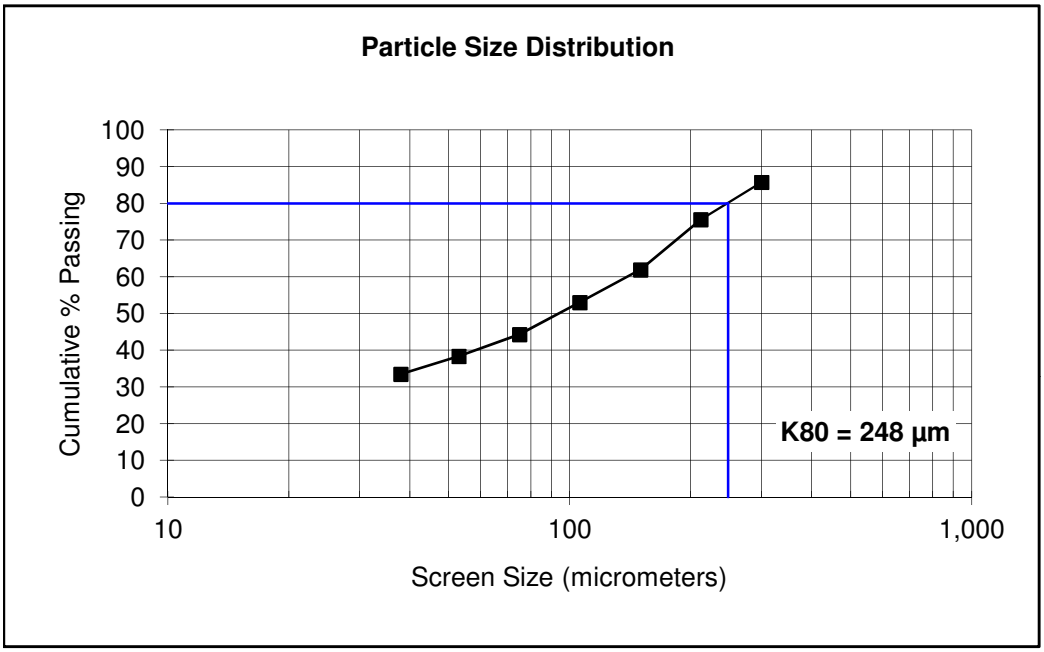


SGS Minerals Services
Size Distribution Analysis

Project No.
50270-001

Sample: **Comp B 10mesh** Test No.: **2kg RM3 15 min**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	23.9	14.3	14.3	85.7
65	212	17.0	10.2	24.4	75.6
100	150	22.9	13.7	38.1	61.9
150	106	14.9	8.9	47.0	53.0
200	75	14.6	8.7	55.7	44.3
270	53	9.9	5.9	61.6	38.4
400	38	8.2	4.9	66.5	33.5
Pan	-38	56.0	33.5	100.0	0.0
Total	**-**	**167.4**	100.0	**-**	**-**
K80	**248**				

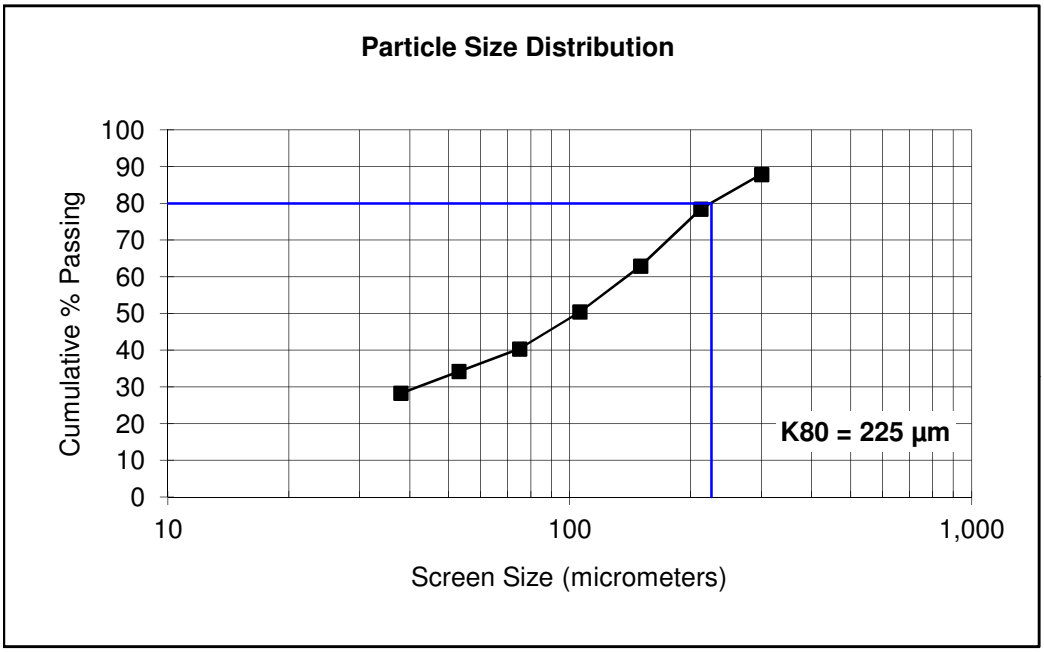


SGS Minerals Services
Size Distribution Analysis

Project No.
50270-001

Sample: **Comp C 10mesh** Test No.: **2kg RM3 15 min**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	20.2	12.1	12.1	87.9
65	212	15.7	9.4	21.5	78.5
100	150	25.9	15.5	37.1	62.9
150	106	20.8	12.5	49.6	50.4
200	75	16.8	10.1	59.7	40.3
270	53	10.2	6.1	65.8	34.2
400	38	9.9	5.9	71.7	28.3
Pan	-38	47.1	28.3	100.0	0.0
Total	**-**	**166.6**	100.0	**-**	**-**
K80	**225**				

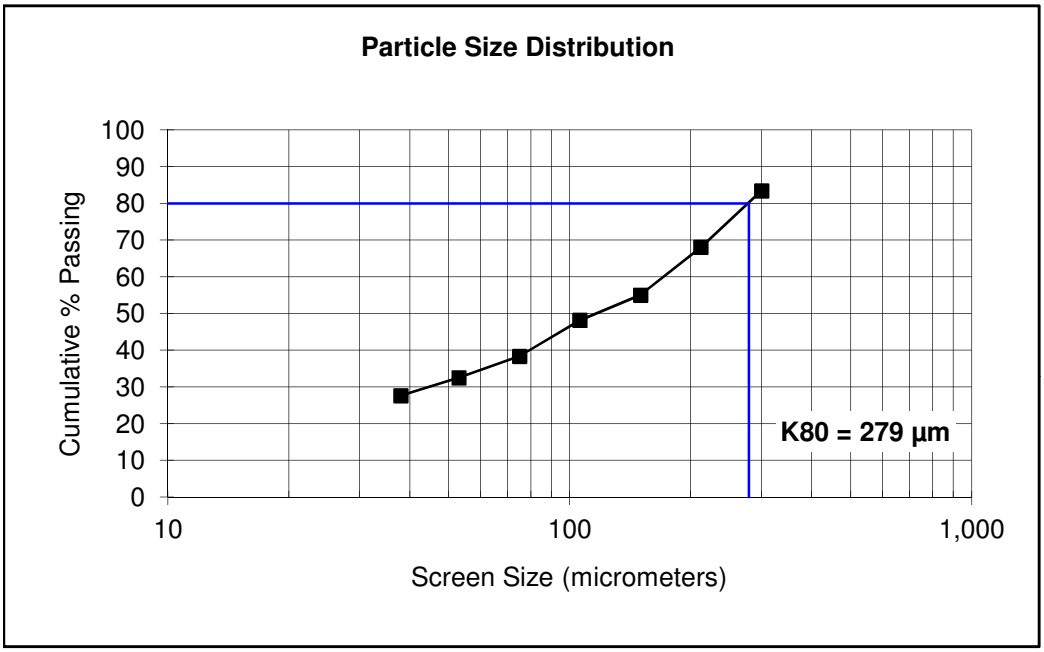


SGS Minerals Services
Size Distribution Analysis

Project No.
50270-001

Sample: **Comp D 10mesh** Test No.: **2kg RM3 15 min**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	21.5	16.6	16.6	83.4
65	212	19.9	15.4	31.9	68.1
100	150	16.9	13.0	45.0	55.0
150	106	8.9	6.9	51.9	48.1
200	75	12.7	9.8	61.7	38.3
270	53	7.6	5.9	67.5	32.5
400	38	6.3	4.9	72.4	27.6
Pan	-38	35.8	27.6	100.0	0.0
Total	**-**	**129.6**	100.0	**-**	**-**
K80	**279**				



Test: EGRG-1 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp A

Purpose: To determine the gravity-recoverable gold number (GRG) applying the standard E-GRG procedure to the **Composite A**.

Procedure: For stage 1, 2x10kg of -10 mesh Comp A was ground for 4 minutes in 10kg rod mill and passed through the Knelson concentrator, collecting a concentrate and tailing sample. The Knelson concentrate was passed through the Mozley table. The Mozley concentrate was filtered and submitted for size fraction analysis for Au. The combined Knelson and Mozley tailing samples was sub-sampled and submitted for size-fraction analysis for Au. The remainder of the tail was decanted to ~65% solids, split into 2 equal parts and each ground in 10kg rod mill for 17 minutes. For stage 2, the gravity separation, sampling, and size-fractional assaying procedure was repeated. Stage 2 Knelson tail was split into two equal parts and each part ground at ~65% solids in the 10 kg rod mill for 17 minutes. Stage 3 gravity separation was performed as per the above stages repeating the gravity separation, sampling, and size-fractional assaying procedure.

Feed: 20-kg -10 mesh Composite A

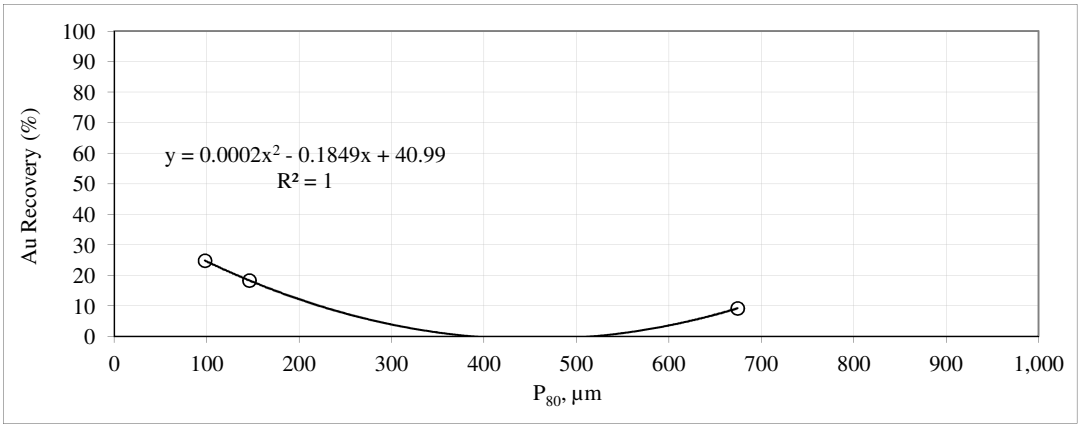
Grind:

				Target P_{80}
Stage 1:	4 min @ 65% solids in 10kg rod mill	P_{80} =	674 µm	850
Stage 2:	17 min @ 65% solids in 10 kg rod mill	P_{80} =	146 µm	200
Stage 3:	14 min @ 65% solids in 10 kg rod mill	P_{80} =	98 µm	75
	total = minutes			

Metallurgical Balance:

Grind Size	Product	Mass grams	Mass %	Assay Au (g/t)	Units Au	Dist'n %
P_{80} = 674 µm	Stage 1 Conc	49.0	0.24	161	7,880	**9.2**
	Sampled Tails	352	1.76	3.19	1,120	**1.3**
P_{80} = 146 µm	Stage 2 Conc	80	0.40	97.2	7,816	**9.1**
	Sampled Tails	369	1.85	3.56	1,312	**1.5**
P_{80} = 98 µm	Stage 3 Conc	90	0.45	61.6	5,556	**6.5**
	Final Tails	19,060	95.3	3.25	61,957	**72.3**
	Totals (Head)	20,000	100	**4.28**	85,640	**100**
	Knelson Conc	219.6	1.10	96.8	21,251	**24.8**

GRG Number =24.8



Test: EGRG-1 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp A

Stage 1: Metallurgical Balance

		Concentrate 1				Tailing 1					
Size		Conc 1 Mass		**Assay**	Au Dist.	Tail 1 Mass		**Assay**	Au Dist.	% Au Recovery	
Mesh	(µm)	gram	%	**Au g/t**	%	gram	%	**Au g/t**	%	From Au available in size fraction	From total Au avail. in this stage
28	600	1.10	2.24	**24.1**	0.34	2,007	10.4	**2.16**	7.08	0.61	**0.04**
35	425	4.70	9.59	**137**	8.17	2,691	14.0	**2.15**	9.44	10.0	**0.93**
48	300	4.50	9.18	**62.7**	3.58	2,160	11.2	**2.79**	9.84	4.5	**0.41**
65	212	5.6	11.4	**59.9**	4.26	1,515	7.88	**3.70**	9.15	5.6	**0.49**
100	150	9.2	18.8	**65.6**	7.66	1,351	7.03	**3.13**	6.90	12.5	**0.87**
150	106	9.4	19.2	**94.0**	11.21	1,345	7.00	**3.72**	8.17	15.0	**1.28**
200	75	7.6	15.5	**164**	15.8	1,181	6.14	**4.08**	7.87	20.5	**1.80**
270	53	3.70	7.6	**309**	14.5	930	4.84	**4.18**	6.34	22.7	**1.65**
400	38	1.80	3.67	**569**	13.0	995	5.18	**4.70**	7.64	18.0	**1.48**
500	25	1.10	2.24	**975**	13.6	509	2.65	**4.96**	4.1	29.8	**1.55**
-500	-25	0.30	0.61	**2,060**	7.84	4,545	23.6	**3.16**	23.4	4.13	**0.89**
Total		49	100	**161**	100	19,231	100.0	**3.19**	100		**11.4**

Stage 2: Metallurgical Balance

		Concentrate 2				Tailing 2					
Size		Conc 2 Mass		**Assay**	Au Dist.	Tail 2 Mass		**Assay**	Au Dist.	% Au Recovery	
Mesh	(µm)	gram	%	**Au g/t**	%	gram	%	**Au g/t**	%	From Au available in size fraction	From total Au avail. in this stage
28	600	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
35	425	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
48	300	1.30	1.62	**21.3**	0.35	160.8	0.84	**1.41**	0.33	10.9	**0.04**
65	212	7.40	9.20	**67.6**	6.40	939.1	4.9	**2.80**	3.86	16.0	**0.66**
100	150	19.2	23.9	**51.5**	12.65	2485.2	13.0	**4.10**	14.96	8.8	**1.30**
150	106	21.9	27.2	**57.5**	16.1	2983.3	15.6	**3.76**	16.47	10.1	**1.66**
200	75	16.7	20.8	**75.0**	16.0	2329.6	12.16	**4.00**	13.68	11.8	**1.65**
270	53	7.2	9.0	**114**	10.5	1764.0	9.21	**4.10**	10.62	10.2	**1.08**
400	38	4.90	6.09	**209**	13.1	1566.9	8.18	**3.75**	8.63	14.8	**1.35**
500	25	1.30	1.62	**571**	9.5	824.9	4.31	**4.22**	5.1	17.6	**0.98**
-500	-25	0.50	0.62	**2400**	15.35	6096.3	31.8	**2.94**	26.3	6.28	**1.58**
Total		80	100	**97.2**	100	19,150	100	**3.56**	100		**10.3**

Stage 3: Metallurgical Balance

		Concentrate 3				Tailing 3					
Size		Conc 3 Mass		**Assay**	Au Dist.	Tail 3 Mass		**Assay**	Au Dist.	% Au Recovery	
Mesh	(µm)	gram	%	**Au g/t**	%	gram	%	**Au g/t**	%	From Au available in size fraction	From total Au avail. in this stage
65	212	1.3	1.44	**16.3**	0.38	0.0	0.00	**0.00**	0.00	100.0	**0.03**
100	150	8.80	9.76	**24.0**	3.80	785.3	4.12	**2.25**	2.85	10.7	**0.31**
150	106	25.60	28.38	**43.0**	19.81	2,292.3	12.03	**3.30**	12.21	12.7	**1.63**
200	75	27.6	30.6	**50.0**	24.84	3,035.2	15.9	**3.79**	18.57	10.7	**2.04**
270	53	16.9	18.7	**62.4**	19.0	2,419.6	12.7	**3.93**	15.35	10.0	**1.56**
400	38	6.5	7.2	**88.7**	10.4	2,122.5	11.1	**4.13**	14.15	6.2	**0.85**
500	25	2.40	2.66	**182**	7.9	1,011.7	5.31	**4.24**	6.92	9.2	**0.65**
-500	-25	1.10	1.22	**704**	13.94	7,393.4	38.8	**2.51**	30.0	4.01	**1.15**
Total		90	100	**61.6**	100	**19060**	100	**3.25**	100		**8.2**

Test: EGRG-1 **Project No.: 50270-001** Technician: Keith B. Date:

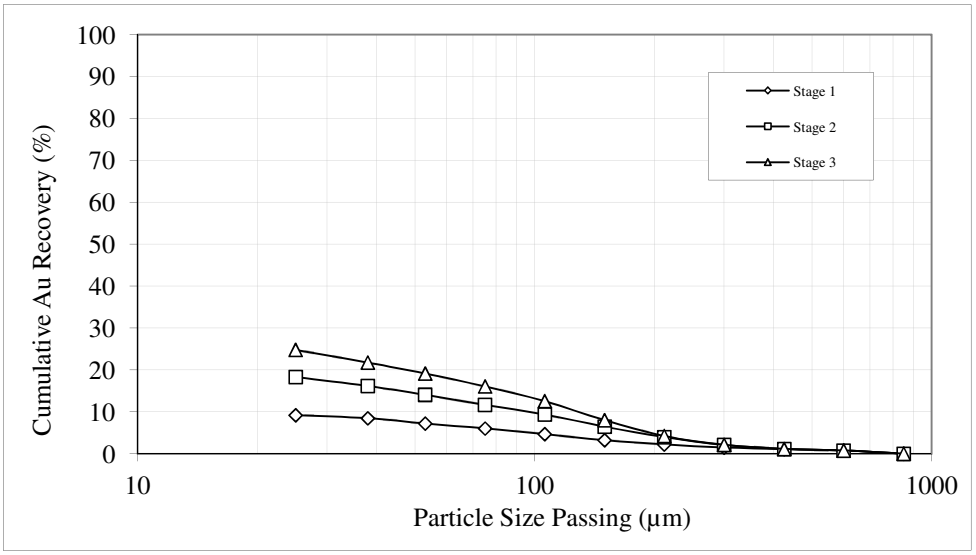
Sample: Comp A

Overall Metallurgical Balance

Size		Units of Au				Units Lost to Sampling	
Mesh	(µm)	Conc 1	Conc 2	Conc 3	Tail 3	Tail 1	Tail 2
28	600	27	0	0	0	79	0
35	425	644	0	0	0	106	0
48	300	282	28	0	0	110	4
65	212	335	500	21	0	102	51
100	150	604	989	211	1,767	77	196
150	106	884	1,259	1,101	7,565	92	216
200	75	1,246	1,253	1,380	11,503	88	180
270	53	1,143	821	1,055	9,509	71	139
400	38	1,024	1,024	577	8,766	86	113
500	25	1,073	742	437	4,290	46	67
-500	-25	618	1,200	774	18,557	263	345
Total		7,880	7,816	5,556	61,957	1120	1312

Total units of Au in Feed	85,640
Feed Grade (g/t Au)	**4.3**

Size		Overall Recoveries			Incremental Au Rec	Cumulative Recovery (GRG)		
Mesh	(µm)	Stage 1	Stage 2	Stage 3	Fraction	Stage 1	Stage 2	Stage 3
	850							
28	600	0.03	0.00	0.00	**0.0**	**0.0**	**0.0**	**0.0**
35	425	0.75	0.00	0.00	**0.8**	**0.8**	**0.8**	**0.8**
48	300	0.33	0.03	0.00	**0.4**	**1.1**	**1.1**	**1.1**
65	212	0.39	0.58	0.02	**1.0**	**1.5**	**2.1**	**2.1**
100	150	0.70	1.15	0.25	**2.1**	**2.2**	**4.0**	**4.3**
150	106	1.03	1.47	1.29	**3.8**	**3.2**	**6.5**	**8.0**
200	75	1.46	1.46	1.61	**4.5**	**4.7**	**9.4**	**12.6**
270	53	1.34	0.96	1.23	**3.5**	**6.0**	**11.7**	**16.1**
400	38	1.20	1.20	0.67	**3.1**	**7.2**	**14.1**	**19.2**
500	25	1.25	0.87	0.51	**2.6**	**8.5**	**16.2**	**21.8**
-500	-25	0.72	1.40	0.90	**3.0**	**9.2**	**18.3**	**24.8**
Total		9.2	9.1	6.5	**24.8**			



Test: EGRG-1 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp A

Purpose: To determine the gravity-recoverable silver number (GRS) applying the standard E-GRG procedure to the **Composite A.**

Procedure: For stage 1, 2x10kg of -10 mesh Comp A was ground for 4 minutes in 10kg rod mill and passed through the Knelson concentrator, collecting a concentrate and tailing sample. The Knelson concentrate was passed through the Mozley table. The Mozley concentrate was filtered and submitted for size fraction analysis for Au. The combined Knelson and Mozley tailing samples was sub-sampled and submitted for size-fraction analysis for Au. The remainder of the tail was decanted to ~65% solids, split into 2 equal parts and each ground in 10kg rod mill for 17 minutes. For stage 2, the gravity separation, sampling, and size-fractional assaying procedure was repeated. Stage 2 Knelson tail was split into two equal parts and each part ground at ~65% solids in the 10 kg rod mill for 17 minutes. Stage 3 gravity separation was performed as per the above stages repeating the gravity separation, sampling, and size-fractional assaying procedure.

Feed: 20-kg -10 mesh Composite A

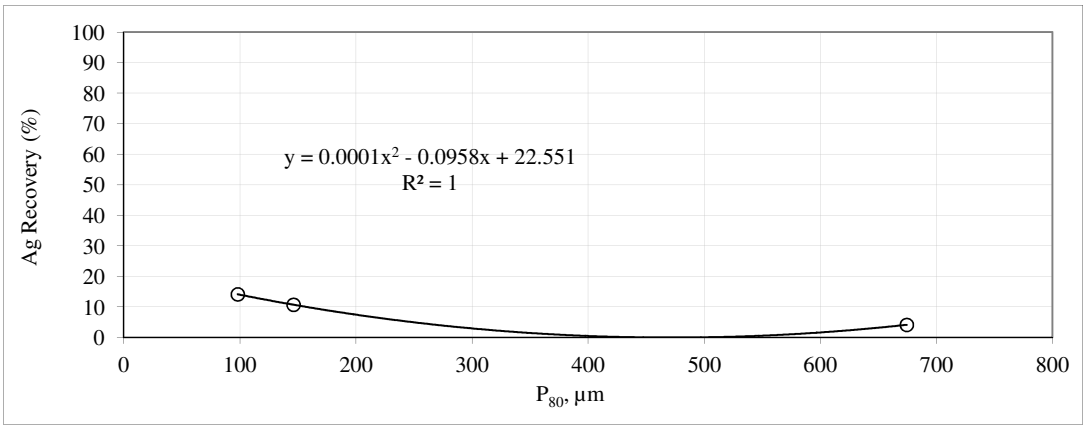
Grind:

				Target P_{80}
Stage 1:	4 min @ 65% solids in 10kg rod mill	P_{80} =	674 µm	850
Stage 2:	17 min @ 65% solids in 10 kg rod mill	P_{80} =	146 µm	200
Stage 3:	14 min @ 65% solids in 10 kg rod mill	P_{80} =	98 µm	75
	total = minutes			

Metallurgical Balance:

Grind Size	Product	Mass grams	Mass %	Assay Ag (g/t)	Units Ag	Dist'n %
P_{80} = 674 µm	Stage 1 Conc	49.0	0.24	1,150	56,348	**4.1**
	Sampled Tails	352	1.76	54	19,052	**1.4**
P_{80} = 146 µm	Stage 2 Conc	80	0.40	1,116	89,716	**6.6**
	Sampled Tails	369	1.85	61.0	22,514	**1.7**
P_{80} = 98 µm	Stage 3 Conc	90	0.45	515	46,477	**3.4**
	Final Tails	19,060	95.3	59.2	########	**82.8**
	Totals (Head)	20,000	100	**68.1**	########	**100**
	Knelson Conc	219.6	1.10	877	192,541	**14.1**

GRS Number =14.1



Test: EGRG-1 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp A

Stage 1: Metallurgical Balance

		Concentrate 1				Tailing 1					
Size		Conc 1 Mass		**Assay**	Ag Dist.	Tail 1 Mass		**Assay**	Ag Dist.	% Ag Recovery	
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
28	600	1.10	2.24	**5.0**	0.01	2,007	10.4	**17.0**	3.27	0.02	**0.00**
35	425	4.70	9.59	**512**	4.27	2,691	14.0	**19.3**	4.98	4.4	**0.22**
48	300	4.50	9.18	**639**	5.10	2,160	11.2	**24.1**	5.00	5.2	**0.26**
65	212	5.6	11.4	**764**	7.59	1,515	7.88	**27.0**	3.93	9.5	**0.39**
100	150	9.2	18.8	**888**	14.50	1,351	7.03	**31.7**	4.11	16.0	**0.74**
150	106	9.4	19.2	**1,290**	21.52	1,345	7.00	**37.3**	4.82	19.5	**1.10**
200	75	7.6	15.5	**1,560**	21.0	1,181	6.14	**48.5**	5.50	17.1	**1.08**
270	53	3.70	7.6	**1,530**	10.0	930	4.84	**65.1**	5.81	8.6	**0.52**
400	38	1.80	3.67	**1,020**	3.3	995	5.18	**99.2**	9.48	1.8	**0.17**
500	25	1.10	2.24	**758**	1.5	509	2.65	**123**	6.0	1.3	**0.08**
-500	-25	0.30	0.61	**21,000**	11.18	4,545	23.6	**108**	47.1	1.27	**0.57**
Total		49	100	**1,150**	100	19,231	100.0	**54.2**	100		**5.1**

Stage 2: Metallurgical Balance

		Concentrate 2				Tailing 2					
Size		Conc 2 Mass		**Assay**	Ag Dist.	Tail 2 Mass		**Assay**	Ag Dist.	% Ag Recovery	
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
28	600	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
35	425	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
48	300	1.30	1.62	**5.0**	0.01	160.8	0.84	**15.5**	0.21	0.3	**0.00**
65	212	7.40	9.20	**459**	3.79	939.1	4.9	**21.2**	1.70	14.6	**0.27**
100	150	19.2	23.9	**855**	18.30	2485.2	13.0	**28.5**	6.06	18.8	**1.31**
150	106	21.9	27.2	**1130**	27.6	2983.3	15.6	**37.5**	9.58	18.1	**1.97**
200	75	16.7	20.8	**1440**	26.8	2329.6	12.16	**42.9**	8.56	19.4	**1.91**
270	53	7.2	9.0	**1580**	12.7	1764.0	9.21	**58.3**	8.80	10.0	**0.90**
400	38	4.90	6.09	**1290**	7.0	1566.9	8.18	**77.8**	10.44	4.9	**0.50**
500	25	1.30	1.62	**1650**	2.4	824.9	4.31	**90.2**	6.4	2.8	**0.17**
-500	-25	0.50	0.62	**2520**	1.40	6096.3	31.8	**92.5**	48.3	0.22	**0.10**
Total		80	100	**1116**	100	19,150	100	**61.0**	100		**7.1**

Stage 3: Metallurgical Balance

		Concentrate 3				Tailing 3					
Size		Conc 3 Mass		**Assay**	Ag Dist.	Tail 3 Mass		**Assay**	Ag Dist.	% Ag Recovery	
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
65	212	1.3	1.44	**441**	1.23	0.0	0.00	**0.00**	0.00	100.0	**0.05**
100	150	8.80	9.76	**109**	2.06	785.3	4.12	**17.5**	1.22	6.5	**0.08**
150	106	25.60	28.38	**361**	19.88	2,292.3	12.03	**24.1**	4.90	14.3	**0.79**
200	75	27.6	30.6	**638**	37.89	3,035.2	15.9	**31.2**	8.39	15.7	**1.50**
270	53	16.9	18.7	**519**	18.9	2,419.6	12.7	**44.1**	9.46	7.6	**0.75**
400	38	6.5	7.2	**723**	10.1	2,122.5	11.1	**63.1**	11.87	3.4	**0.40**
500	25	2.40	2.66	**1060**	5.5	1,011.7	5.31	**78.6**	7.05	3.1	**0.22**
-500	-25	1.10	1.22	**1,890**	4.47	7,393.4	38.8	**87.2**	57.1	0.32	**0.18**
Total		90	100	**515**	100	**19060**	100	**59.2**	100		**4.0**

Test: EGRG-1 **Project No.: 50270-001** Technician: Keith B. Date:

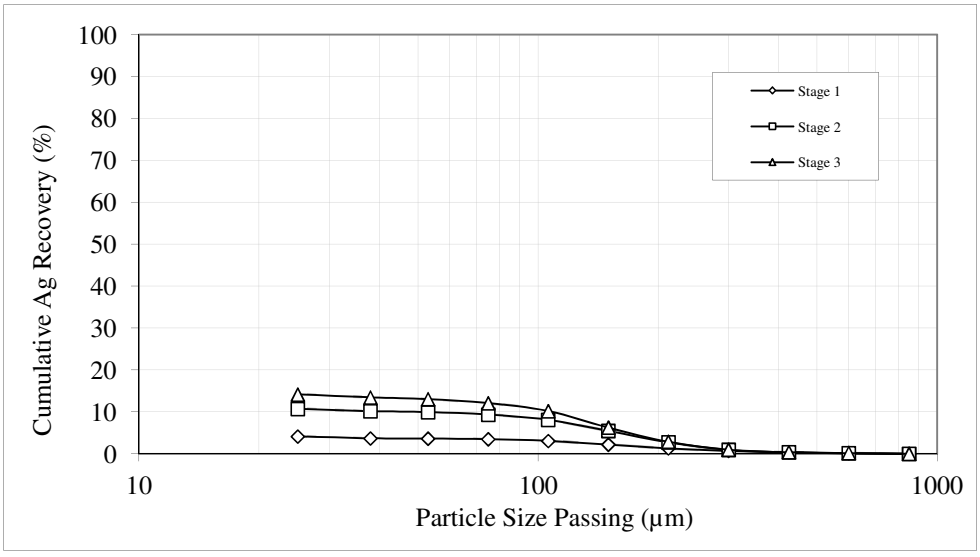
Sample: Comp A

Overall Metallurgical Balance

Size		Units of Ag				Units Lost to Sampling	
Mesh	(µm)	Conc 1	Conc 2	Conc 3	Tail 3	Tail 1	Tail 2
28	600	6	0	0	0	624	0
35	425	2,406	0	0	0	950	0
48	300	2,876	7	0	0	952	48
65	212	4,278	3,397	573	0	748	384
100	150	8,170	16,416	959	13,743	783	1365
150	106	12,126	24,747	9,242	55,244	918	2156
200	75	11,856	24,048	17,609	94,697	1048	1926
270	53	5,661	11,376	8,771	106,706	1107	1982
400	38	1,836	6,321	4,700	133,929	1805	2350
500	25	834	2,145	2,544	79,521	1144	1434
-500	-25	6,300	1,260	2,079	644,701	8975	10869
Total		56,348	89,716	46,477	1,128,542	19052	22514

Total units of Ag in Feed	1,362,650
Feed Grade (g/t Ag)	**68.1**

Size		Overall Recoveries			Incremental Ag Rec	Cumulative Recovery (GRG)		
Mesh	(µm)	Stage 1	Stage 2	Stage 3	Fraction	Stage 1	Stage 2	Stage 3
	850							
28	600	0.00	0.00	0.00	**0.0**	**0.0**	**0.0**	**0.0**
35	425	0.18	0.00	0.00	**0.2**	**0.2**	**0.2**	**0.2**
48	300	0.21	0.00	0.00	**0.2**	**0.4**	**0.4**	**0.4**
65	212	0.31	0.25	0.04	**0.6**	**0.7**	**1.0**	**1.0**
100	150	0.60	1.20	0.07	**1.9**	**1.3**	**2.8**	**2.9**
150	106	0.89	1.82	0.68	**3.4**	**2.2**	**5.5**	**6.3**
200	75	0.87	1.76	1.29	**3.9**	**3.1**	**8.1**	**10.2**
270	53	0.42	0.83	0.64	**1.9**	**3.5**	**9.3**	**12.1**
400	38	0.13	0.46	0.34	**0.9**	**3.6**	**9.9**	**13.0**
500	25	0.06	0.16	0.19	**0.4**	**3.7**	**10.2**	**13.4**
-500	-25	0.46	0.09	0.15	**0.7**	**4.1**	**10.7**	**14.1**
Total		4.1	6.6	3.4	**14.1**			



Test: EGRG-2 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp B

Purpose: To determine the gravity-recoverable gold number (GRG) applying the standard E-GRG procedure to the **Composite B**.

Procedure: For stage 1, 2x10kg of -10 mesh Comp B was ground for 4 minutes in 10kg rod mill and passed through the Knelson concentrator, collecting a concentrate and tailing sample. The Knelson concentrate was passed through the Mozley table. The Mozley concentrate was filtered and submitted for size fraction analysis for Au. The combined Knelson and Mozley tailing samples was sub-sampled and submitted for size-fraction analysis for Au. The remainder of the tail was decanted to ~65% solids, split into 2 equal parts and each ground in 10kg rod mill for 21.5 minutes. For stage 2, the gravity separation, sampling, and size-fractional assaying procedure was repeated. Stage 2 Knelson tail was split into two equal parts and each part ground at ~65% solids in the 10 kg rod mill for 13 minutes. Stage 3 gravity separation was performed as per the above stages repeating the gravity separation, sampling, and size-fractional assaying procedure.

Feed: 20-kg -10 mesh Composite B

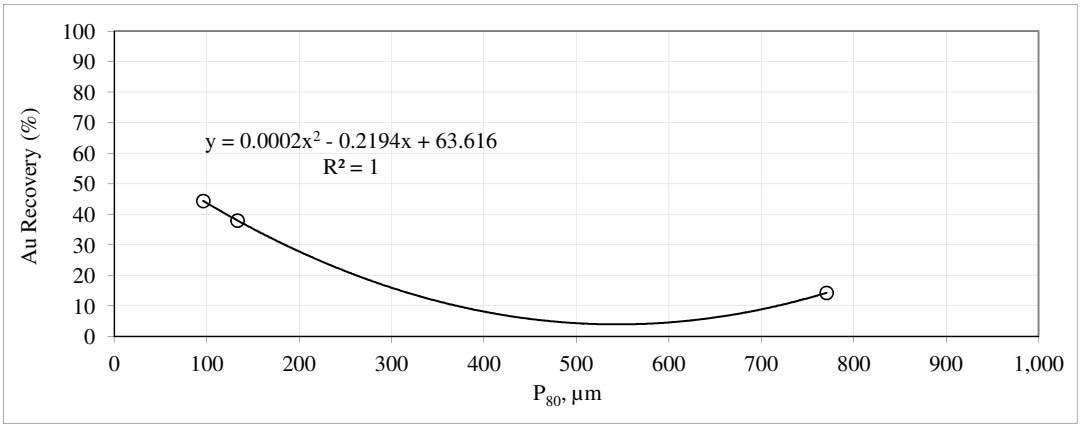
Grind:

				Target P_{80}
Stage 1:	4 min @ 65% solids in 10kg rod mill	P_{80} =	771 µm	850
Stage 2:	21.5 min @ 65% solids in 10 kg rod mill	P_{80} =	133 µm	200
Stage 3:	13 min @ 65% solids in 10 kg rod mill	P_{80} =	96 µm	75
	total = minutes			

Metallurgical Balance:

Grind Size	Product	Mass grams	Mass %	Assay Au (g/t)	Units Au	Dist'n %
P_{80} = 771 µm	Stage 1 Conc	44.2	0.22	370	16,354	**14.3**
	Sampled Tails	365	1.82	5.84	2,128	**1.9**
P_{80} = 133 µm	Stage 2 Conc	93	0.47	290	27,078	**23.7**
	Sampled Tails	355	1.77	3.48	1,235	**1.1**
P_{80} = 96 µm	Stage 3 Conc	77	0.38	95.8	7,332	**6.4**
	Final Tails	19,067	95.3	3.16	60,252	**52.7**
	Totals (Head)	20,000	100	**5.72**	114,378	**100**
	Knelson Conc	214.1	1.07	237	50,763	**44.4**

GRG Number =44.4



Test: EGRG-2 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp B

Stage 1: Metallurgical Balance

Size		Concentrate 1				Tailing 1				% Au Recovery	
		Conc 1 Mass		Assay	Au Dist.	Tail 1 Mass		Assay	Au Dist.		
Mesh	(µm)	gram	%	Au g/t	%	gram	%	Au g/t	%	From Au available in size fraction	From total Au avail. in this stage
28	600	1.90	4.30	**15.8**	0.18	3,008	15.6	**5.1**	13.66	0.20	**0.02**
35	425	3.30	7.47	**48.0**	0.97	2,787	14.5	**5.1**	12.73	1.1	**0.12**
48	300	5.70	12.90	**186**	6.48	2,459	12.8	**11.4**	24.96	3.6	**0.82**
65	212	7.4	16.7	**216**	9.77	1,689	8.78	**6.3**	9.41	13.1	**1.24**
100	150	8.3	18.8	**252**	12.79	1,430	7.43	**6.2**	7.84	19.2	**1.63**
150	106	7.3	16.5	**274**	12.23	1,298	6.75	**6.2**	7.16	19.9	**1.55**
200	75	5.3	12.0	**201**	6.5	976	5.08	**5.8**	5.06	15.8	**0.83**
270	53	2.70	6.1	**960**	15.8	839	4.36	**5.5**	4.09	36.1	**2.01**
400	38	0.80	1.81	**1,050**	5.1	765	3.98	**6.5**	4.42	14.5	**0.65**
500	25	1.30	2.94	**1,460**	11.6	396	2.06	**6.1**	2.1	44.2	**1.48**
-500	-25	0.20	0.45	**15,100**	18.47	3,589	18.7	**2.7**	8.5	23.96	**2.35**
Total		44	100	**370.0**	100	19,237	100.0	**5.84**	100		**12.7**

Stage 2: Metallurgical Balance

Size		Concentrate 2				Tailing 2				% Au Recovery	
		Conc 2 Mass		Assay	Au Dist.	Tail 2 Mass		Assay	Au Dist.		
Mesh	(µm)	gram	%	Au g/t	%	gram	%	Au g/t	%	From Au available in size fraction	From total Au avail. in this stage
28	600	0.00	0.00	**0.0**	0.00	0.0	0.00	**0**	0.00	#DIV/0!	**0.00**
35	425	3.70	3.96	**194**	2.65	0.0	0.00	**0**	0.00	100.0	**0.77**
48	300	0.80	0.86	**3500**	10.34	27.0	0.14	**1.35**	0.05	98.7	**2.99**
65	212	6.60	7.07	**370**	9.02	512.6	2.7	**1.66**	1.28	74.2	**2.61**
100	150	20.8	22.3	**285**	21.89	2066.5	10.8	**3.24**	10.05	47.0	**6.33**
150	106	26.1	27.9	**185**	17.8	3329.1	17.4	**3.93**	19.63	27.0	**5.15**
200	75	19.3	20.7	**189**	13.5	2584.5	13.50	**4.61**	17.88	23.4	**3.89**
270	53	10.1	10.8	**242**	9.0	2050.3	10.71	**4.24**	13.04	21.9	**2.61**
400	38	4.60	4.93	**399**	6.8	1651.0	8.62	**3.93**	9.74	22.0	**1.96**
500	25	0.90	0.96	**810**	2.7	830.9	4.34	**4.32**	5.4	16.9	**0.78**
-500	-25	0.50	0.54	**3410**	6.30	6091.6	31.8	**2.51**	22.9	10.03	**1.82**
Total		93	100	**289.91**	100	19,144	100	**3.48**	100		**28.9**

Stage 3: Metallurgical Balance

Size		Concentrate 3				Tailing 3				% Au Recovery	
		Conc 3 Mass		Assay	Au Dist.	Tail 3 Mass		Assay	Au Dist.		
Mesh	(µm)	gram	%	Au g/t	%	gram	%	Au g/t	%	From Au available in size fraction	From total Au avail. in this stage
65	212	0.5	0.65	**59.2**	0.40	32.2	0.17	**1.33**	0.07	40.9	**0.04**
100	150	5.10	6.67	**50.6**	3.52	563.4	2.95	**1.80**	1.68	20.3	**0.38**
150	106	18.20	23.79	**63.0**	15.64	2,277.7	11.95	**2.74**	10.35	15.5	**1.70**
200	75	25.5	33.3	**76.8**	26.71	3,106.7	16.3	**3.81**	19.64	14.2	**2.90**
270	53	16.2	21.2	**92.3**	20.4	2,583.6	13.6	**4.03**	17.27	12.6	**2.21**
400	38	7.6	9.9	**156**	16.2	1,996.0	10.5	**3.74**	12.38	13.7	**1.75**
500	25	2.50	3.27	**333**	11.4	1,199.2	6.29	**3.86**	7.68	15.2	**1.23**
-500	-25	0.90	1.18	**473**	5.81	7,308.1	38.3	**2.55**	30.9	2.23	**0.63**
Total		77	100	**96**	100	**19067**	100	**3.16**	100		**10.8**

Test: EGRG-2 **Project No.: 50270-001** Technician: Keith B. Date:

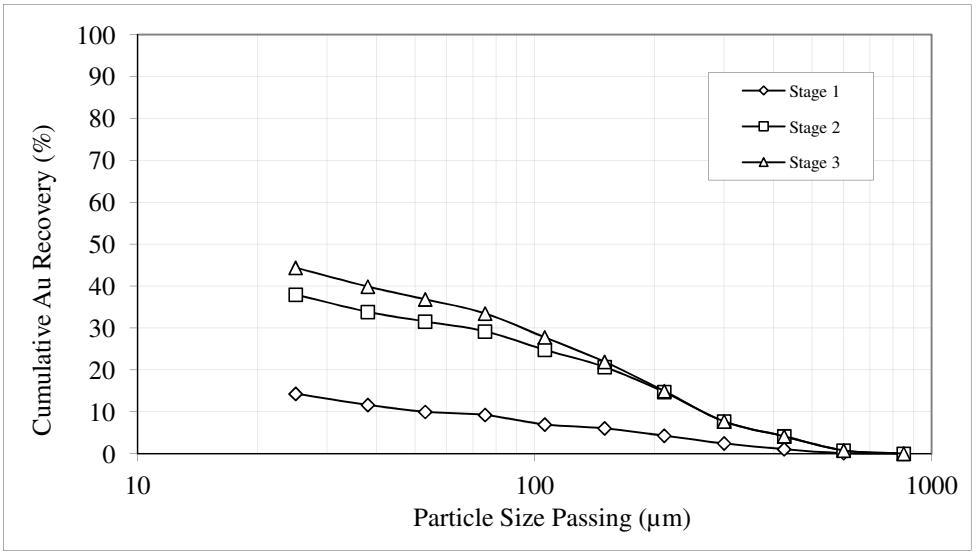
Sample: Comp B

Overall Metallurgical Balance

Size		Units of Au				Units Lost to Sampling	
Mesh	(µm)	Conc 1	Conc 2	Conc 3	Tail 3	Tail 1	Tail 2
28	600	30	0	0	0	291	0
35	425	158	718	0	0	271	0
48	300	1,060	2,800	0	0	531	1
65	212	1,598	2,442	30	43	200	16
100	150	2,092	5,928	258	1,014	167	124
150	106	2,000	4,829	1,147	6,241	152	242
200	75	1,065	3,648	1,958	11,837	108	221
270	53	2,592	2,444	1,495	10,412	87	161
400	38	840	1,835	1,186	7,465	94	120
500	25	1,898	729	833	4,629	45	67
-500	-25	3,020	1,705	426	18,636	182	283
Total		16,354	27,078	7,332	60,276	2128	1235

Total units of Au in Feed	114,403
Feed Grade (g/t Au)	**5.7**

Size		Overall Recoveries			Incremental Au Rec	Cumulative Recovery (GRG)		
Mesh	(µm)	Stage 1	Stage 2	Stage 3	Fraction	Stage 1	Stage 2	Stage 3
	850							
28	600	0.03	0.00	0.00	**0.0**	**0.0**	**0.0**	**0.0**
35	425	0.14	0.63	0.00	**0.8**	**0.2**	**0.8**	**0.8**
48	300	0.93	2.45	0.00	**3.4**	**1.1**	**4.2**	**4.2**
65	212	1.40	2.13	0.03	**3.6**	**2.5**	**7.7**	**7.7**
100	150	1.83	5.18	0.23	**7.2**	**4.3**	**14.7**	**15.0**
150	106	1.75	4.22	1.00	**7.0**	**6.1**	**20.7**	**21.9**
200	75	0.93	3.19	1.71	**5.8**	**7.0**	**24.8**	**27.8**
270	53	2.27	2.14	1.31	**5.7**	**9.3**	**29.2**	**33.5**
400	38	0.73	1.60	1.04	**3.4**	**10.0**	**31.5**	**36.8**
500	25	1.66	0.64	0.73	**3.0**	**11.7**	**33.8**	**39.9**
-500	-25	2.64	1.49	0.37	**4.5**	**14.3**	**38.0**	**44.4**
Total		14.3	23.7	6.4	**44.4**			



Test: EGRG-2 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp B

Purpose: To determine the gravity-recoverable silver number (GRS) applying the standard E-GRG procedure to the **Composite B**.

Procedure: For stage 1, 2x10kg of -10 mesh Comp B was ground for 4 minutes in 10kg rod mill and passed through the Knelson concentrator, collecting a concentrate and tailing sample. The Knelson concentrate was passed through the Mozley table. The Mozley concentrate was filtered and submitted for size fraction analysis for Au. The combined Knelson and Mozley tailing samples was sub-sampled and submitted for size-fraction analysis for Au. The remainder of the tail was decanted to ~65% solids, split into 2 equal parts and each ground in 10kg rod mill for 21.5 minutes. For stage 2, the gravity separation, sampling, and size-fractional assaying procedure was repeated. Stage 2 Knelson tail was split into two equal parts and each part ground at ~65% solids in the 10 kg rod mill for 13 minutes. Stage 3 gravity separation was performed as per the above stages repeating the gravity separation, sampling, and size-fractional assaying procedure.

Feed: 20-kg -10 mesh Composite B

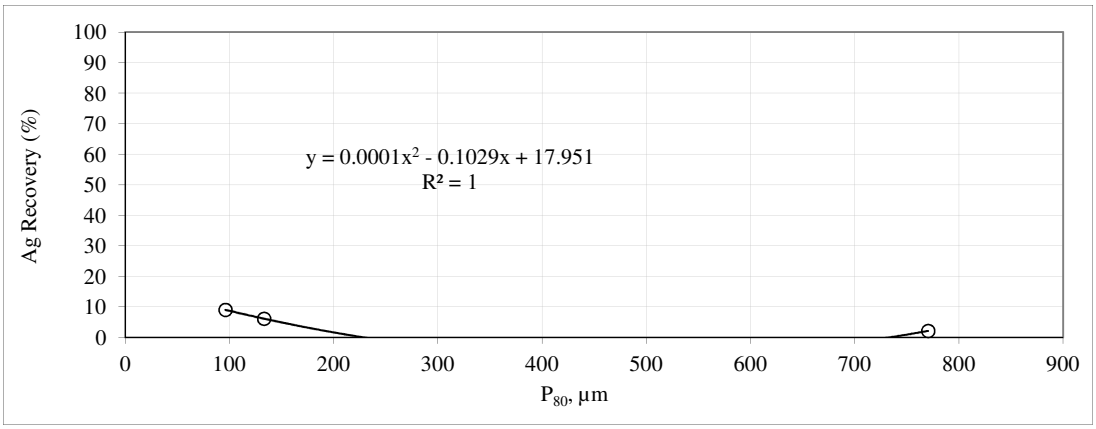
Grind:

				Target P_{80}
Stage 1:	4 min @ 65% solids in 10kg rod mill	P_{80} =	771 µm	850
Stage 2:	21.5 min @ 65% solids in 10 kg rod mill	P_{80} =	133 µm	200
Stage 3:	13 min @ 65% solids in 10 kg rod mill	P_{80} =	96 µm	75
	total = minutes			

Metallurgical Balance:

Grind Size	Product	Mass grams	Mass %	Assay Ag (g/t)	Units Ag	Dist'n %
P_{80} = 771 µm	Stage 1 Conc	44.2	0.22	926	40,917	**2.1**
	Sampled Tails	365	1.82	106	38,525	**2.0**
P_{80} = 133 µm	Stage 2 Conc	93	0.47	816	76,205	**4.0**
	Sampled Tails	355	1.77	92.8	32,942	**1.7**
P_{80} = 96 µm	Stage 3 Conc	77	0.38	723	55,334	**2.9**
	Final Tails	19,067	95.3	87.2	########	**87.2**
	Totals (Head)	20,000	100	**95.3**	########	**100**
	Knelson Conc	214.1	1.07	805	172,456	**9.0**

GRS Number =9.0



Test: EGRG-2 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp B

Stage 1: Metallurgical Balance

		Concentrate 1				Tailing 1					
Size		Conc 1 Mass		**Assay**	Ag Dist.	Tail 1 Mass		**Assay**	Au Dist.	% Au Recovery	
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
28	600	1.90	4.30	**207**	0.96	3,008	15.6	**60.5**	8.95	0.22	**0.02**
35	425	3.30	7.47	**421**	3.40	2,787	14.5	**89.3**	12.24	0.6	**0.07**
48	300	5.70	12.90	**548**	7.63	2,459	12.8	**91.1**	11.02	1.4	**0.15**
65	212	7.4	16.7	**798**	14.43	1,689	8.78	**88.4**	7.34	3.8	**0.28**
100	150	8.3	18.8	**1,130**	22.92	1,430	7.43	**89.6**	6.30	6.8	**0.45**
150	106	7.3	16.5	**1,530**	27.30	1,298	6.75	**96.8**	6.18	8.2	**0.54**
200	75	5.3	12.0	**5.00**	0.1	976	5.08	**114**	5.47	0.0	**0.00**
270	53	2.70	6.1	**1,980**	13.1	839	4.36	**154**	6.36	4.0	**0.26**
400	38	0.80	1.81	**1,810**	3.5	765	3.98	**164**	6.17	1.1	**0.07**
500	25	1.30	2.94	**1,980**	6.3	396	2.06	**188**	3.7	3.3	**0.12**
-500	-25	0.20	0.45	**817**	0.40	3,589	18.7	**149**	26.3	0.03	**0.01**
Total		44	100	**925.7**	100	19,237	100.0	**105.69**	100		**2.0**

Stage 2: Metallurgical Balance

		Concentrate 2				Tailing 2					
Size		Conc 2 Mass		**Assay**	Ag Dist.	Tail 2 Mass		**Assay**	Ag Dist.	% Ag Recovery	
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
28	600	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
35	425	3.70	3.96	**177**	0.86	0.0	0.00	**0.0**	0.00	100.0	**0.04**
48	300	0.80	0.86	**737**	0.77	27.0	0.14	**16.2**	0.02	57.4	**0.03**
65	212	6.60	7.07	**313**	2.71	512.6	2.7	**24.4**	0.70	14.2	**0.11**
100	150	20.8	22.3	**626**	17.09	2066.5	10.8	**39.8**	4.63	13.7	**0.70**
150	106	26.1	27.9	**812**	27.8	3329.1	17.4	**59.0**	11.05	9.7	**1.14**
200	75	19.3	20.7	**1190**	30.1	2584.5	13.50	**71.3**	10.37	11.1	**1.24**
270	53	10.1	10.8	**949**	12.6	2050.3	10.71	**89.1**	10.28	5.0	**0.52**
400	38	4.60	4.93	**868**	5.2	1651.0	8.62	**120**	11.15	2.0	**0.22**
500	25	0.90	0.96	**1390**	1.6	830.9	4.34	**133**	6.2	1.1	**0.07**
-500	-25	0.50	0.54	**1770**	1.16	6091.6	31.8	**133**	45.6	0.11	**0.05**
Total		93	100	**815.90**	100	19,144	100	**92.85**	100		**4.1**

Stage 3: Metallurgical Balance

		Concentrate 3				Tailing 3					
Size		Conc 3 Mass		**Assay**	Ag Dist.	Tail 3 Mass		**Assay**	Ag Dist.	% Ag Recovery	
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
65	212	0.5	0.65	**5.0**	0.00	32.2	0.17	**26.5**	0.05	0.3	**0.00**
100	150	5.10	6.67	**89.0**	0.82	563.4	2.95	**20.7**	0.70	3.7	**0.03**
150	106	18.20	23.79	**426**	14.01	2,277.7	11.95	**34.8**	4.77	8.9	**0.45**
200	75	25.5	33.3	**613**	28.25	3,106.7	16.3	**50.2**	9.38	9.1	**0.91**
270	53	16.2	21.2	**486**	14.2	2,583.6	13.6	**78.9**	12.26	3.7	**0.46**
400	38	7.6	9.9	**1020**	14.0	1,996.0	10.5	**104**	12.48	3.6	**0.45**
500	25	2.50	3.27	**947**	4.3	1,199.2	6.29	**118**	8.51	1.6	**0.14**
-500	-25	0.90	1.18	**15000**	24.40	7,308.1	38.3	**118**	51.9	1.54	**0.79**
Total		77	100	**723**	100	**19067**	100	**87.22**	100		**3.2**

Test: EGRG-2 **Project No.: 50270-001** Technician: Keith B. Date:

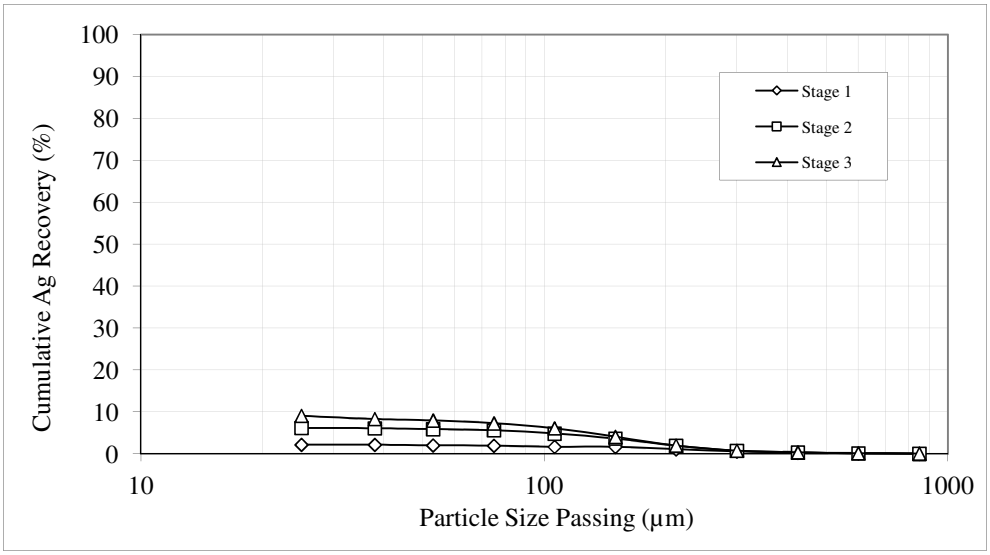
Sample: Comp B

Overall Metallurgical Balance

Size		Units of Ag				Units Lost to Sampling	
Mesh	(µm)	Conc 1	Conc 2	Conc 3	Tail 3	Tail 1	Tail 2
28	600	393	0	0	0	3449	0
35	425	1,389	655	0	0	4715	0
48	300	3,124	590	0	0	4245	8
65	212	5,905	2,066	3	853	2829	232
100	150	9,379	13,021	454	11,662	2428	1524
150	106	11,169	21,193	7,753	79,265	2381	3640
200	75	27	22,967	15,632	155,958	2109	3415
270	53	5,346	9,585	7,873	203,845	2449	3386
400	38	1,448	3,993	7,752	207,588	2378	3672
500	25	2,574	1,251	2,368	141,509	1410	2048
-500	-25	163	885	13,500	862,353	10132	15016
Total		40,917	76,205	55,334	1,663,034	38525	32942

Total units of Ag in Feed	1,906,957
Feed Grade (g/t Ag)	**95.3**

Size		Overall Recoveries			Incremental Ag Rec	Cumulative Recovery (GRG)		
Mesh	(µm)	Stage 1	Stage 2	Stage 3	Fraction	Stage 1	Stage 2	Stage 3
	850							
28	600	0.02	0.00	0.00	**0.0**	**0.0**	**0.0**	**0.0**
35	425	0.07	0.03	0.00	**0.1**	**0.1**	**0.1**	**0.1**
48	300	0.16	0.03	0.00	**0.2**	**0.3**	**0.3**	**0.3**
65	212	0.31	0.11	0.00	**0.4**	**0.6**	**0.7**	**0.7**
100	150	0.49	0.68	0.02	**1.2**	**1.1**	**1.9**	**1.9**
150	106	0.59	1.11	0.41	**2.1**	**1.6**	**3.6**	**4.0**
200	75	0.00	1.20	0.82	**2.0**	**1.6**	**4.8**	**6.1**
270	53	0.28	0.50	0.41	**1.2**	**1.9**	**5.6**	**7.3**
400	38	0.08	0.21	0.41	**0.7**	**2.0**	**5.9**	**8.0**
500	25	0.13	0.07	0.12	**0.3**	**2.1**	**6.1**	**8.3**
-500	-25	0.01	0.05	0.71	**0.8**	**2.1**	**6.1**	**9.0**
Total		2.1	4.0	2.9	**9.0**			



Test: EGRG-3 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp C

Purpose: To determine the gravity-recoverable gold number (GRG) applying the standard E-GRG procedure to the **Composite C**.

Procedure: For stage 1, 2x10kg of -10 mesh Comp C was ground for 2.5 minutes in 10kg rod mill and passed through the Knelson concentrator, collecting a concentrate and tailing sample. The Knelson concentrate was passed through the Mozley table. The Mozley concentrate was filtered and submitted for size fraction analysis for Au. The combined Knelson and Mozley tailing samples was sub-sampled and submitted for size-fraction analysis for Au. The remainder of the tail was decanted to ~65% solids, split into 2 equal parts and each ground in 10kg rod mill for 17 minutes. For stage 2, the gravity separation, sampling, and size-fractional assaying procedure was repeated. Stage 2 Knelson tail was split into two equal parts and each part ground at ~65% solids in the 10 kg rod mill for 16 minutes. Stage 3 gravity separation was performed as per the above stages repeating the gravity separation, sampling, and size-fractional assaying procedure.

Feed: 20-kg -10 mesh Composite C

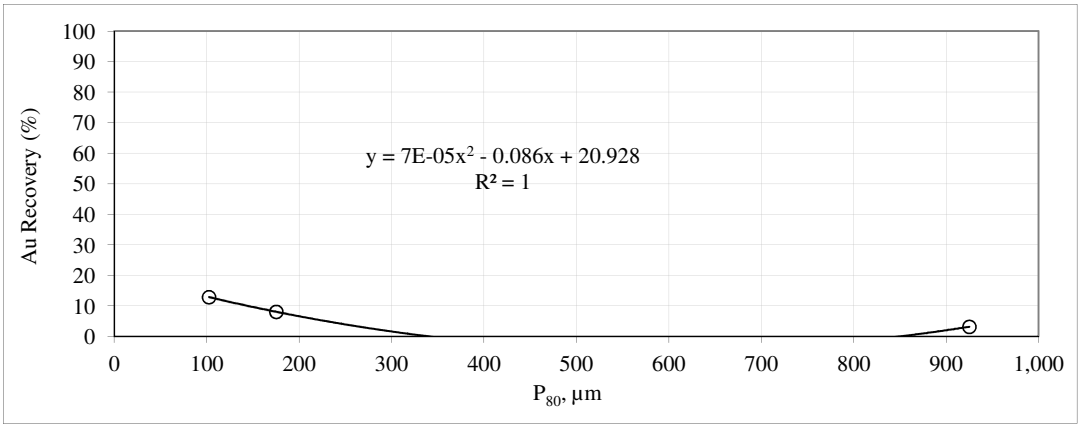
Grind:

				Target P_{80}
Stage 1:	2.5 min @ 65% solids in 10kg rod mill	P_{80} =	925 µm	850
Stage 2:	17 min @ 65% solids in 10 kg rod mill	P_{80} =	175 µm	200
Stage 3:	18 min @ 65% solids in 10 kg rod mill	P_{80} =	102 µm	75
	total = minutes			

Metallurgical Balance:

Grind Size	Product	Mass grams	Mass %	Assay Au (g/t)	Units Au	Dist'n %
P_{80} = 925 µm	Stage 1 Conc	61.5	0.31	73.6	4,529	**3.2**
	Sampled Tails	363	1.82	5.54	2,012	**1.4**
P_{80} = 175 µm	Stage 2 Conc	89	0.45	78.3	6,996	**4.9**
	Sampled Tails	370	1.85	6.86	2,537	**1.8**
P_{80} = 102 µm	Stage 3 Conc	98	0.49	69.7	6,854	**4.8**
	Final Tails	19,017	95.1	6.30	119,798	**83.9**
	Totals (Head)	20,000	100	**7.14**	142,726	**100**
	Knelson Conc	249.1	1.25	73.8	18,379	**12.9**

GRG Number =12.9



Test: EGRG-3 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp C

Stage 1: Metallurgical Balance

Size		Concentrate 1				Tailing 1				% Au Recovery	
		Conc 1 Mass		Assay	Au Dist.	Tail 1 Mass		Assay	Au Dist.		
Mesh	(µm)	gram	%	Au g/t	%	gram	%	Au g/t	%	From Au available in size fraction	From total Au avail. in this stage
28	600	5.30	8.62	**20.1**	2.35	4,677	24.4	**4.92**	21.65	0.46	**0.10**
35	425	7.30	11.87	**17.2**	2.77	2,373	12.4	**5.56**	12.41	0.9	**0.11**
48	300	7.40	12.03	**18.5**	3.02	1,728	9.0	**5.26**	8.55	1.5	**0.12**
65	212	8.7	14.1	**24.5**	4.71	1,184	6.16	**5.10**	5.68	3.4	**0.19**
100	150	9.7	15.8	**24.8**	5.31	1,041	5.42	**5.27**	5.16	4.2	**0.22**
150	106	8.4	13.7	**53.3**	9.89	1,004	5.23	**5.35**	5.05	7.7	**0.40**
200	75	6.6	10.7	**66.6**	9.7	777	4.05	**5.25**	3.84	9.7	**0.40**
270	53	3.70	6.0	**263**	21.5	888	4.62	**6.67**	5.57	14.1	**0.88**
400	38	3.00	4.88	**136**	9.0	830	4.32	**6.82**	5.32	6.7	**0.37**
500	25	1.10	1.79	**489**	11.9	470	2.45	**8.93**	4.0	11.4	**0.49**
-500	-25	0.30	0.49	**3,000**	19.87	4,233	22.0	**5.73**	22.8	3.58	**0.81**
Total		62	100	**73.6**	100	19,205	100.0	**5.54**	100		**4.1**

Stage 2: Metallurgical Balance

Size		Concentrate 2				Tailing 2				% Au Recovery	
		Conc 2 Mass		Assay	Au Dist.	Tail 2 Mass		Assay	Au Dist.		
Mesh	(µm)	gram	%	Au g/t	%	gram	%	Au g/t	%	From Au available in size fraction	From total Au avail. in this stage
28	600	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
35	425	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
48	300	1.30	1.46	**65.0**	1.21	413.2	2.16	**2.51**	0.79	7.5	**0.06**
65	212	5.70	6.38	**36.6**	2.98	1616.6	8.5	**4.23**	5.22	3.0	**0.15**
100	150	15.3	17.1	**60.4**	13.21	3114.4	16.3	**5.99**	14.24	4.7	**0.67**
150	106	24.2	27.1	**53.3**	18.4	3042.1	15.9	**7.33**	17.02	5.5	**0.93**
200	75	21.2	23.7	**51.1**	15.5	2179.6	11.40	**8.67**	14.42	5.4	**0.78**
270	53	12.6	14.1	**72.0**	13.0	1699.3	8.89	**8.15**	10.57	6.1	**0.66**
400	38	5.40	6.05	**115**	8.9	1456.5	7.62	**8.61**	9.57	4.7	**0.45**
500	25	2.50	2.80	**245**	8.8	733.4	3.84	**9.39**	5.3	8.2	**0.44**
-500	-25	1.10	1.23	**1150**	18.08	4860.2	25.4	**6.18**	22.9	4.04	**0.92**
Total		89	100	**78.34**	100	19,115	100	**6.86**	100		**5.1**

Stage 3: Metallurgical Balance

Size		Concentrate 3				Tailing 3				% Au Recovery	
		Conc 3 Mass		Assay	Au Dist.	Tail 3 Mass		Assay	Au Dist.		
Mesh	(µm)	gram	%	Au g/t	%	gram	%	Au g/t	%	From Au available in size fraction	From total Au avail. in this stage
65	212	1.8	1.83	**20.8**	0.55	0.0	0.00	**0.00**	0.00	100.0	**0.03**
100	150	9.00	9.16	**45.9**	6.03	949.4	4.99	**3.45**	2.73	11.2	**0.33**
150	106	23.50	23.91	**49.8**	17.07	2,504.9	13.17	**5.35**	11.19	8.0	**0.92**
200	75	25.3	25.7	**50.6**	18.68	3,162.2	16.6	**6.41**	16.92	5.9	**1.01**
270	53	19.8	20.1	**57.1**	16.5	2,629.1	13.8	**6.96**	15.27	5.8	**0.89**
400	38	10.6	10.8	**67.9**	10.5	1,584.8	8.3	**7.54**	9.97	5.7	**0.57**
500	25	5.50	5.60	**111**	8.9	1,205.0	6.34	**8.08**	8.13	5.9	**0.48**
-500	-25	2.80	2.85	**533**	21.77	6,981.7	36.7	**6.14**	35.8	3.36	**1.18**
Total		98	100	**70**	100	**19017**	100	**6.30**	100		**5.4**

Test: EGRG-3 **Project No.: 50270-001** Technician: Keith B. Date:

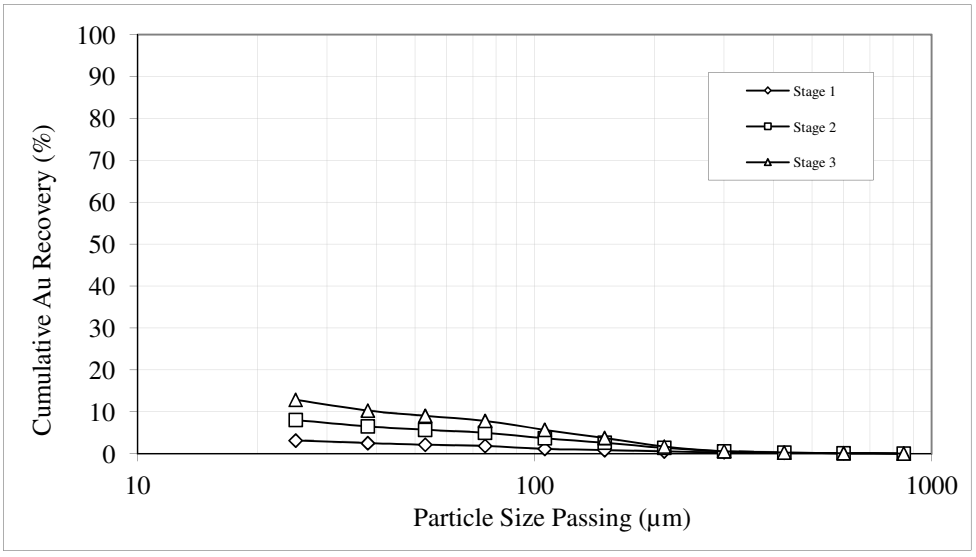
Sample: Comp C

Overall Metallurgical Balance

Size		Units of Au				Units Lost to Sampling	
Mesh	(µm)	Conc 1	Conc 2	Conc 3	Tail 3	Tail 1	Tail 2
28	600	107	0	0	0	435	0
35	425	126	0	0	0	250	0
48	300	137	85	0	0	172	20
65	212	213	209	37	0	114	132
100	150	241	924	413	3,275	104	361
150	106	448	1,290	1,170	13,401	102	432
200	75	440	1,083	1,280	20,270	77	366
270	53	973	907	1,131	18,298	112	268
400	38	408	621	720	11,949	107	243
500	25	538	613	611	9,736	79	133
-500	-25	900	1,265	1,492	42,867	459	582
Total		4,529	6,996	6,854	119,798	2012	2537

Total units of Au in Feed	142,726
Feed Grade (g/t Au)	**7.1**

Size		Overall Recoveries			Incremental Au Rec	Cumulative Recovery (GRG)		
Mesh	(µm)	Stage 1	Stage 2	Stage 3	Fraction	Stage 1	Stage 2	Stage 3
	850							
28	600	0.07	0.00	0.00	**0.1**	**0.1**	**0.1**	**0.1**
35	425	0.09	0.00	0.00	**0.1**	**0.2**	**0.2**	**0.2**
48	300	0.10	0.06	0.00	**0.2**	**0.3**	**0.3**	**0.3**
65	212	0.15	0.15	0.03	**0.3**	**0.4**	**0.6**	**0.6**
100	150	0.17	0.65	0.29	**1.1**	**0.6**	**1.4**	**1.7**
150	106	0.31	0.90	0.82	**2.0**	**0.9**	**2.6**	**3.8**
200	75	0.31	0.76	0.90	**2.0**	**1.2**	**3.7**	**5.7**
270	53	0.68	0.64	0.79	**2.1**	**1.9**	**5.0**	**7.9**
400	38	0.29	0.44	0.50	**1.2**	**2.2**	**5.8**	**9.1**
500	25	0.38	0.43	0.43	**1.2**	**2.5**	**6.6**	**10.3**
-500	-25	0.63	0.89	1.05	**2.6**	**3.2**	**8.1**	**12.9**
Total		3.2	4.9	4.8	**12.9**			



Test: EGRG-3 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp C

Purpose: To determine the gravity-recoverable silver number (GRS) applying the standard E-GRG procedure to the **Composite C.**

Procedure: For stage 1, 2x10kg of -10 mesh Comp C was ground for 2.5 minutes in 10kg rod mill and passed through the Knelson concentrator, collecting a concentrate and tailing sample. The Knelson concentrate was passed through the Mozley table. The Mozley concentrate was filtered and submitted for size fraction analysis for Au. The combined Knelson and Mozley tailing samples was sub-sampled and submitted for size-fraction analysis for Au. The remainder of the tail was decanted to ~65% solids, split into 2 equal parts and each ground in 10kg rod mill for 17 minutes. For stage 2, the gravity separation, sampling, and size-fractional assaying procedure was repeated. Stage 2 Knelson tail was split into two equal parts and each part ground at ~65% solids in the 10 kg rod mill for 16 minutes. Stage 3 gravity separation was performed as per the above stages repeating the gravity separation, sampling, and size-fractional assaying procedure.

Feed: 20-kg -10 mesh Composite C

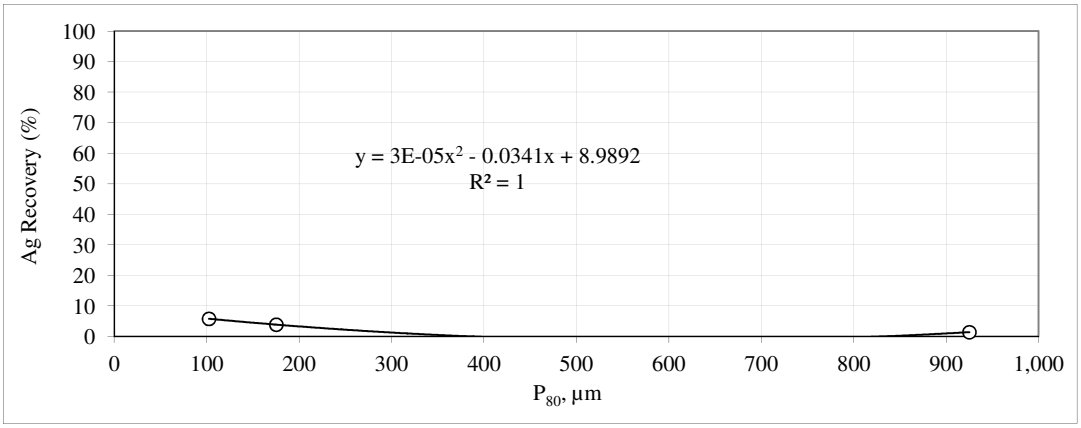
Grind:

				Target P_{80}
Stage 1:	2.5 min @ 65% solids in 10kg rod mill	P_{80} =	925 µm	850
Stage 2:	17 min @ 65% solids in 10 kg rod mill	P_{80} =	175 µm	200
Stage 3:	18 min @ 65% solids in 10 kg rod mill	P_{80} =	102 µm	75
	total = minutes			

Metallurgical Balance:

Grind Size	Product	Mass grams	Mass %	Assay Ag (g/t)	Units Ag	Dist'n %
P_{80} = 925 µm	Stage 1 Conc	61.5	0.31	954	58,693	**1.4**
	Sampled Tails	363	1.82	185	67,054	**1.6**
P_{80} = 175 µm	Stage 2 Conc	89	0.45	1,146	102,362	**2.5**
	Sampled Tails	370	1.85	201	74,320	**1.8**
P_{80} = 102 µm	Stage 3 Conc	98	0.49	812	79,794	**1.9**
	Final Tails	19,017	95.1	199	########	**90.8**
	Totals (Head)	20,000	100	**208**	########	**100**
	Knelson Conc	249.1	1.25	967	240,849	**5.8**

GRS Number =5.8



Test: EGRG-3 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp C

Stage 1: Metallurgical Balance

Size		Concentrate 1				Tailing 1				% Ag Recovery	
		Conc 1 Mass		**Assay**	Ag Dist.	Tail 1 Mass		**Assay**	Ag Dist.		
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
28	600	5.30	8.62	**105**	0.95	4,677	24.4	**109**	14.39	0.11	**0.02**
35	425	7.30	11.87	**518**	6.44	2,373	12.4	**153**	10.24	1.0	**0.10**
48	300	7.40	12.03	**651**	8.21	1,728	9.0	**150**	7.31	1.8	**0.13**
65	212	8.7	14.1	**756**	11.21	1,184	6.16	**129**	4.31	4.1	**0.18**
100	150	9.7	15.8	**921**	15.22	1,041	5.42	**133**	3.91	6.1	**0.25**
150	106	8.4	13.7	**1,160**	16.60	1,004	5.23	**133**	3.77	6.8	**0.27**
200	75	6.6	10.7	**1,370**	15.4	777	4.05	**140**	3.07	7.7	**0.25**
270	53	3.70	6.0	**9.00**	0.1	888	4.62	**197**	4.94	0.0	**0.00**
400	38	3.00	4.88	**1,990**	10.2	830	4.32	**228**	5.34	3.1	**0.17**
500	25	1.10	1.79	**4,770**	8.9	470	2.45	**285**	3.8	3.8	**0.15**
-500	-25	0.30	0.49	**13,300**	6.80	4,233	22.0	**326**	38.9	0.29	**0.11**
Total		62	100	**954.3**	100	19,205	100.0	**184.52**	100		**1.6**

Stage 2: Metallurgical Balance

Size		Concentrate 2				Tailing 2				% Ag Recovery	
		Conc 2 Mass		**Assay**	Ag Dist.	Tail 2 Mass		**Assay**	Ag Dist.		
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
28	600	0.00	0.00	**0.0**	0.00	0.0	0.00	**0**	0.00	#DIV/0!	**0.00**
35	425	0.00	0.00	**0.0**	0.00	0.0	0.00	**0**	0.00	#DIV/0!	**0.00**
48	300	1.30	1.46	**33**	0.04	413.2	2.16	**55.4**	0.60	0.2	**0.00**
65	212	5.70	6.38	**603**	3.36	1616.6	8.5	**81.5**	3.43	2.5	**0.09**
100	150	15.3	17.1	**957**	14.30	3114.4	16.3	**122**	9.90	3.7	**0.37**
150	106	24.2	27.1	**1150**	27.2	3042.1	15.9	**138**	10.94	6.2	**0.71**
200	75	21.2	23.7	**1410**	29.2	2179.6	11.40	**193**	10.96	6.6	**0.76**
270	53	12.6	14.1	**1260**	15.5	1699.3	8.89	**212**	9.38	4.2	**0.40**
400	38	5.40	6.05	**1110**	5.9	1456.5	7.62	**264**	10.02	1.5	**0.15**
500	25	2.50	2.80	**1230**	3.0	733.4	3.84	**309**	5.9	1.3	**0.08**
-500	-25	1.10	1.23	**1430**	1.54	4860.2	25.4	**307**	38.9	0.11	**0.04**
Total		89	100	**1146**	100	19,115	100	**201**	100		**2.6**

Stage 3: Metallurgical Balance

Size		Concentrate 3				Tailing 3				% Ag Recovery	
		Conc 3 Mass		**Assay**	Ag Dist.	Tail 3 Mass		**Assay**	Ag Dist.		
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
65	212	1.8	1.83	**318**	0.72	0.0	0.00	**0.00**	0.00	100.0	**0.01**
100	150	9.00	9.16	**288**	3.25	949.4	4.99	**60.5**	1.52	4.3	**0.07**
150	106	23.50	23.91	**737**	21.71	2,504.9	13.17	**93.1**	6.17	6.9	**0.45**
200	75	25.3	25.7	**884**	28.03	3,162.2	16.6	**134**	11.21	5.0	**0.58**
270	53	19.8	20.1	**946**	23.5	2,629.1	13.8	**163**	11.34	4.2	**0.49**
400	38	10.6	10.8	**925**	12.3	1,584.8	8.3	**195**	8.18	3.1	**0.25**
500	25	5.50	5.60	**974**	6.7	1,205.0	6.34	**233**	7.43	1.9	**0.14**
-500	-25	2.80	2.85	**1,090**	3.82	6,981.7	36.7	**293**	54.1	0.15	**0.08**
Total		98	100	**812**	100	**19017**	100	**198.68**	100		**2.1**

Test: EGRG-3 **Project No.: 50270-001** Technician: Keith B. Date:

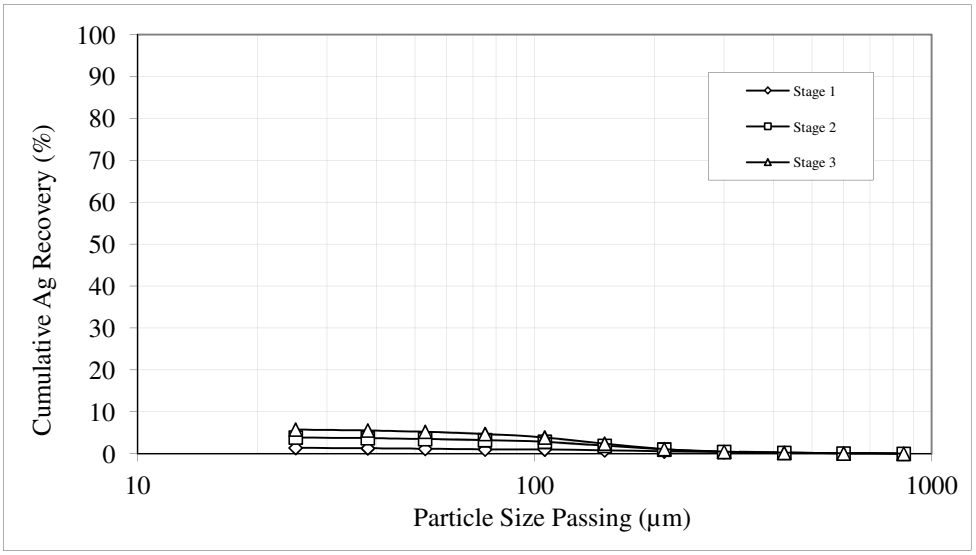
Sample: Comp C

Overall Metallurgical Balance

Size		Units of Ag				Units Lost to Sampling	
Mesh	(µm)	Conc 1	Conc 2	Conc 3	Tail 3	Tail 1	Tail 2
28	600	557	0	0	0	9647	0
35	425	3,781	0	0	0	6870	0
48	300	4,817	43	0	0	4905	443
65	212	6,577	3,437	572	0	2890	2551
100	150	8,934	14,642	2,592	57,438	2620	7357
150	106	9,744	27,830	17,320	233,209	2527	8128
200	75	9,042	29,892	22,365	423,734	2058	8145
270	53	33	15,876	18,731	428,540	3310	6975
400	38	5,970	5,994	9,805	309,026	3580	7445
500	25	5,247	3,075	5,357	280,764	2537	4388
-500	-25	3,990	1,573	3,052	2,045,627	26113	28889
Total		58,693	102,362	79,794	3,778,338	67054	74320

Total units of Ag in Feed	4,160,561
Feed Grade (g/t Ag)	**208.0**

Size		Overall Recoveries			Incremental Ag Rec	Cumulative Recovery (GRG)		
Mesh	(µm)	Stage 1	Stage 2	Stage 3	Fraction	Stage 1	Stage 2	Stage 3
	850							
28	600	0.01	0.00	0.00	**0.0**	**0.0**	**0.0**	**0.0**
35	425	0.09	0.00	0.00	**0.1**	**0.1**	**0.1**	**0.1**
48	300	0.12	0.00	0.00	**0.1**	**0.2**	**0.2**	**0.2**
65	212	0.16	0.08	0.01	**0.3**	**0.4**	**0.5**	**0.5**
100	150	0.21	0.35	0.06	**0.6**	**0.6**	**1.0**	**1.1**
150	106	0.23	0.67	0.42	**1.3**	**0.8**	**1.9**	**2.4**
200	75	0.22	0.72	0.54	**1.5**	**1.0**	**2.9**	**3.9**
270	53	0.00	0.38	0.45	**0.8**	**1.0**	**3.2**	**4.7**
400	38	0.14	0.14	0.24	**0.5**	**1.2**	**3.5**	**5.3**
500	25	0.13	0.07	0.13	**0.3**	**1.3**	**3.7**	**5.6**
-500	-25	0.10	0.04	0.07	**0.2**	**1.4**	**3.9**	**5.8**
Total		1.4	2.5	1.9	**5.8**			



Test: EGRG-4 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp D

Purpose: To determine the gravity-recoverable gold number (GRG) applying the standard E-GRG procedure to the **Composite D**.

Procedure: For stage 1, 2x10kg of -10 mesh Comp D was ground for 5 minutes in 10kg rod mill and passed through the Knelson concentrator, collecting a concentrate and tailing sample. The Knelson concentrate was passed through the Mozley table. The Mozley concentrate was filtered and submitted for size fraction analysis for Au. The combined Knelson and Mozley tailing samples was sub-sampled and submitted for size-fraction analysis for Au. The remainder of the tail was decanted to ~65% solids, split into 2 equal parts and each ground in 10kg rod mill for 17 minutes. For stage 2, the gravity separation, sampling, and size-fractional assaying procedure was repeated. Stage 2 Knelson tail was split into two equal parts and each part ground at ~65% solids in the 10 kg rod mill for 15 minutes. Stage 3 gravity separation was performed as per the above stages repeating the gravity separation, sampling, and size-fractional assaying procedure.

Feed: 20-kg -10 mesh Composite D

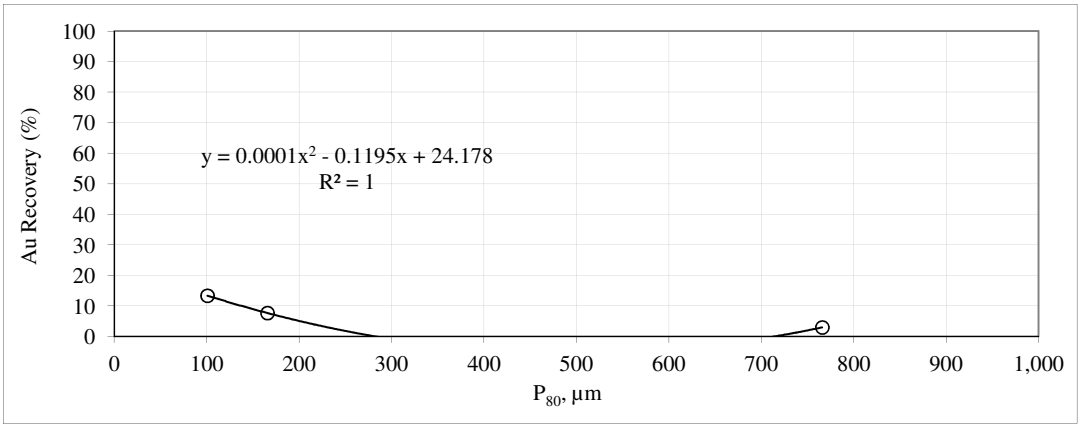
Grind:

				Target P_{80}
Stage 1:	5 min @ 65% solids in 10kg rod mill	P_{80} =	766 µm	850
Stage 2:	18.5 min @ 65% solids in 10 kg rod mill	P_{80} =	166 µm	200
Stage 3:	17.5 min @ 65% solids in 10 kg rod mill	P_{80} =	101 µm	75
	total = minutes			

Metallurgical Balance:

Grind Size	Product	Mass grams	Mass %	Assay Au (g/t)	Units Au	Dist'n %
P_{80} = 766 µm	Stage 1 Conc	49.2	0.25	62.8	3,089	**3.0**
	Sampled Tails	360	1.80	4.86	1,748	**1.7**
P_{80} = 166 µm	Stage 2 Conc	78	0.39	62.7	4,878	**4.7**
	Sampled Tails	361	1.80	4.68	1,688	**1.6**
P_{80} = 101 µm	Stage 3 Conc	91	0.45	65.0	5,901	**5.7**
	Final Tails	19,062	95.3	4.54	86,547	**83.3**
	Totals (Head)	20,000	100	**5.19**	103,851	**100**
	Knelson Conc	217.8	1.09	63.7	13,867	**13.4**

GRG Number =13.4



Test: EGRG-4 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp D

Stage 1: Metallurgical Balance

Size		Concentrate 1				Tailing 1				% Au Recovery	
		Conc 1 Mass		Assay	Au Dist.	Tail 1 Mass		Assay	Au Dist.		
Mesh	(µm)	gram	%	Au g/t	%	gram	%	Au g/t	%	From Au available in size fraction	From total Au avail. in this stage
28	600	1.50	3.05	**14.8**	0.72	2,727	14.2	**3.80**	11.09	0.21	**0.02**
35	425	2.20	4.47	**230**	16.38	3,455	18.0	**4.69**	17.33	3.0	**0.52**
48	300	2.90	5.89	**5.8**	0.54	2,572	13.4	**4.33**	11.91	0.1	**0.02**
65	212	4.1	8.3	**43.2**	5.73	1,631	8.48	**5.47**	9.54	1.9	**0.18**
100	150	8.0	16.3	**29.5**	7.64	1,342	6.98	**4.77**	6.85	3.6	**0.24**
150	106	11.2	22.8	**28.4**	10.30	1,198	6.23	**6.15**	7.88	4.1	**0.33**
200	75	10.6	21.5	**69.4**	23.8	947	4.92	**7.14**	7.23	9.8	**0.76**
270	53	5.10	10.4	**51.8**	8.6	775	4.03	**7.84**	6.50	4.2	**0.27**
400	38	2.70	5.49	**176**	15.4	722	3.75	**7.74**	5.98	7.8	**0.49**
500	25	0.60	1.22	**266**	5.2	396	2.06	**7.27**	3.1	5.3	**0.17**
-500	-25	0.30	0.61	**593**	5.76	3,465	18.0	**3.40**	12.6	1.49	**0.18**
Total		49	100	**62.8**	100	19,231	100.0	**4.86**	100		**3.2**

Stage 2: Metallurgical Balance

Size		Concentrate 2				Tailing 2				% Au Recovery	
		Conc 2 Mass		Assay	Au Dist.	Tail 2 Mass		Assay	Au Dist.		
Mesh	(µm)	gram	%	Au g/t	%	gram	%	Au g/t	%	From Au available in size fraction	From total Au avail. in this stage
28	600	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
35	425	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
48	300	0.20	0.26	**473**	1.94	297.1	1.55	**1.63**	0.54	16.3	**0.10**
65	212	3.80	4.88	**68.0**	5.30	1358.2	7.1	**2.84**	4.31	6.3	**0.27**
100	150	14.0	18.0	**51.5**	14.78	2976.4	15.5	**3.47**	11.53	6.5	**0.76**
150	106	23.1	29.7	**52.1**	24.7	3093.1	16.1	**4.75**	16.40	7.6	**1.27**
200	75	20.4	26.2	**55.0**	23.0	2212.4	11.55	**5.91**	14.60	7.9	**1.19**
270	53	10.8	13.9	**61.4**	13.6	1644.7	8.59	**6.57**	12.06	5.8	**0.70**
400	38	3.70	4.76	**94.1**	7.1	1448.4	7.56	**7.13**	11.53	3.3	**0.37**
500	25	1.30	1.67	**164**	4.4	721.5	3.77	**7.15**	5.8	4.0	**0.23**
-500	-25	0.50	0.64	**508**	5.21	5401.0	28.2	**3.86**	23.3	1.20	**0.27**
Total		78	100	**62.70**	100	19,153	100	**4.68**	100		**5.2**

Stage 3: Metallurgical Balance

Size		Concentrate 3				Tailing 3				% Au Recovery	
		Conc 3 Mass		Assay	Au Dist.	Tail 3 Mass		Assay	Au Dist.		
Mesh	(µm)	gram	%	Au g/t	%	gram	%	Au g/t	%	From Au available in size fraction	From total Au avail. in this stage
65	212	0.5	0.55	**26.2**	0.22	0.0	0.00	**0.00**	0.00	100.0	**0.01**
100	150	4.20	4.63	**61.6**	4.38	802.1	4.21	**1.65**	1.53	16.4	**0.28**
150	106	19.40	21.37	**65.8**	21.63	2,507.4	13.15	**2.96**	8.58	14.7	**1.38**
200	75	28.9	31.8	**61.4**	30.07	3,150.5	16.5	**4.51**	16.42	11.1	**1.92**
270	53	20.9	23.0	**62.8**	22.2	2,449.6	12.9	**6.01**	17.01	8.2	**1.42**
400	38	9.7	10.7	**64.9**	10.7	2,081.1	10.9	**6.63**	15.94	4.4	**0.68**
500	25	4.80	5.29	**67.0**	5.5	1,040.5	5.46	**6.95**	8.36	4.3	**0.35**
-500	-25	2.40	2.64	**131**	5.33	7,030.8	36.9	**3.96**	32.2	1.12	**0.34**
Total		91	100	**65**	100	**19062**	100	**4.54**	100		**6.4**

Test: EGRG-4 **Project No.: 50270-001** Technician: Keith B. Date:

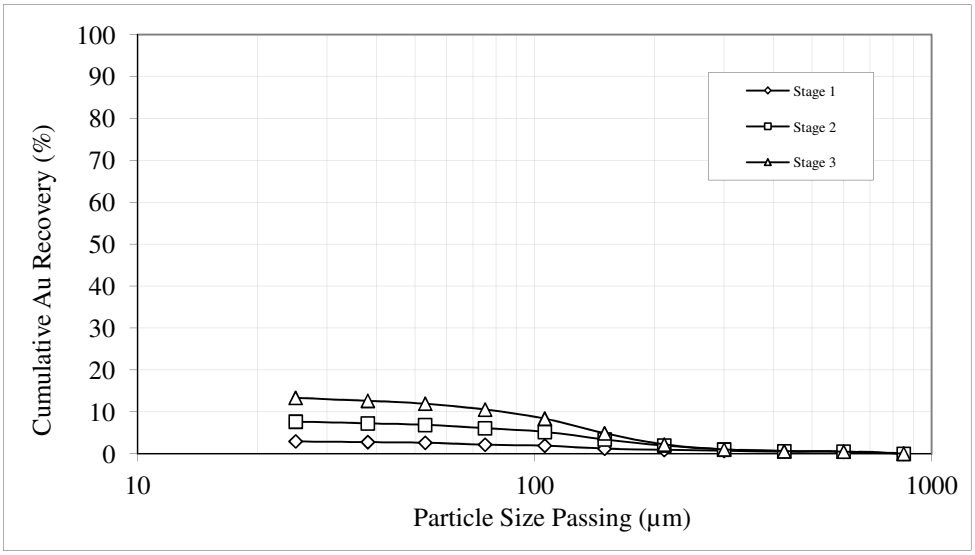
Sample: Comp D

Overall Metallurgical Balance

Size		Units of Au				Units Lost to Sampling	
Mesh	(µm)	Conc 1	Conc 2	Conc 3	Tail 3	Tail 1	Tail 2
28	600	22	0	0	0	194	0
35	425	506	0	0	0	303	0
48	300	17	95	0	0	208	9
65	212	177	258	13	0	167	73
100	150	236	721	259	1,323	120	195
150	106	318	1,204	1,277	7,422	138	277
200	75	736	1,122	1,774	14,209	126	246
270	53	264	663	1,313	14,722	114	204
400	38	475	348	630	13,797	104	195
500	25	160	213	322	7,232	54	97
-500	-25	178	254	314	27,842	220	393
Total		3,089	4,878	5,901	86,547	1748	1688

Total units of Au in Feed	103,851
Feed Grade (g/t Au)	**5.2**

Size		Overall Recoveries			**Incremental Au Rec**	**Cumulative Recovery (GRG)**		
Mesh	(µm)	Stage 1	Stage 2	Stage 3	**Fraction**	**Stage 1**	**Stage 2**	**Stage 3**
	850							
28	600	0.02	0.00	0.00	**0.0**	**0.0**	**0.0**	**0.0**
35	425	0.49	0.00	0.00	**0.5**	**0.5**	**0.5**	**0.5**
48	300	0.02	0.09	0.00	**0.1**	**0.5**	**0.6**	**0.6**
65	212	0.17	0.25	0.01	**0.4**	**0.7**	**1.0**	**1.0**
100	150	0.23	0.69	0.25	**1.2**	**0.9**	**2.0**	**2.2**
150	106	0.31	1.16	1.23	**2.7**	**1.2**	**3.4**	**4.9**
200	75	0.71	1.08	1.71	**3.5**	**1.9**	**5.2**	**8.4**
270	53	0.25	0.64	1.26	**2.2**	**2.2**	**6.1**	**10.6**
400	38	0.46	0.34	0.61	**1.4**	**2.6**	**6.9**	**12.0**
500	25	0.15	0.21	0.31	**0.7**	**2.8**	**7.3**	**12.6**
-500	-25	0.17	0.24	0.30	**0.7**	**3.0**	**7.7**	**13.4**
Total		3.0	4.7	5.7	**13.4**			



Test: EGRG-4 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp D

Purpose: To determine the gravity-recoverable silver number (GRS) applying the standard E-GRG procedure to the **Composite D.**

Procedure: For stage 1, 2x10kg of -10 mesh Comp D was ground for 5 minutes in 10kg rod mill and passed through the Knelson concentrator, collecting a concentrate and tailing sample. The Knelson concentrate was passed through the Mozley table. The Mozley concentrate was filtered and submitted for size fraction analysis for Au. The combined Knelson and Mozley tailing samples was sub-sampled and submitted for size-fraction analysis for Au. The remainder of the tail was decanted to ~65% solids, split into 2 equal parts and each ground in 10kg rod mill for 17 minutes. For stage 2, the gravity separation, sampling, and size-fractional assaying procedure was repeated. Stage 2 Knelson tail was split into two equal parts and each part ground at ~65% solids in the 10 kg rod mill for 15 minutes. Stage 3 gravity separation was performed as per the above stages repeating the gravity separation, sampling, and size-fractional assaying procedure.

Feed: 20-kg -10 mesh Composite D

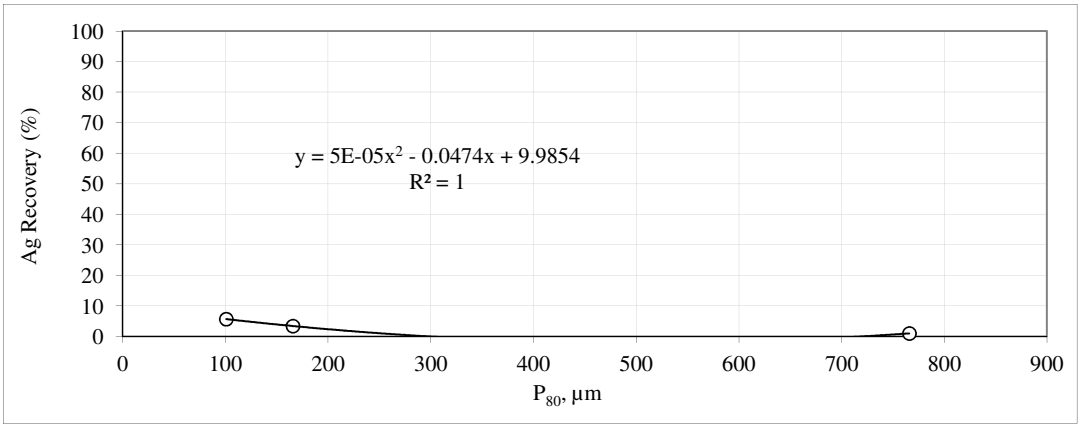
Grind:

				Target P_{80}
Stage 1:	5 min @ 65% solids in 10kg rod mill	P_{80} =	766 µm	850
Stage 2:	18.5 min @ 65% solids in 10 kg rod mill	P_{80} =	166 µm	200
Stage 3:	17.5 min @ 65% solids in 10 kg rod mill	P_{80} =	101 µm	75
	total = minutes			

Metallurgical Balance:

Grind Size	Product	Mass grams	Mass %	Assay Ag (g/t)	Units Ag	Dist'n %
P_{80} = 766 µm	Stage 1 Conc	49.2	0.25	1,118	55,024	**1.0**
	Sampled Tails	360	1.80	261	94,010	**1.7**
P_{80} = 166 µm	Stage 2 Conc	78	0.39	1,691	131,572	**2.4**
	Sampled Tails	361	1.80	274	98,772	**1.8**
P_{80} = 101 µm	Stage 3 Conc	91	0.45	1,368	124,172	**2.3**
	Final Tails	19,062	95.3	260	########	**90.8**
	Totals (Head)	20,000	100	**273**	########	**100**
	Knelson Conc	217.8	1.09	1,427	310,768	**5.7**

GRS Number =5.7



Test: EGRG-4 **Project No.: 50270-001** Technician: Keith B. Date:

Sample: Comp D

Stage 1: Metallurgical Balance

Size		Concentrate 1				Tailing 1				% Ag Recovery	
		Conc 1 Mass		**Assay**	Ag Dist.	Tail 1 Mass		**Assay**	Ag Dist.		
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
28	600	1.50	3.05	**5.00**	0.01	2,727	14.2	**116**	6.29	0.00	**0.00**
35	425	2.20	4.47	**91.0**	0.36	3,455	18.0	**167**	11.48	0.0	**0.00**
48	300	2.90	5.89	**5.00**	0.03	2,572	13.4	**196**	10.03	0.0	**0.00**
65	212	4.1	8.3	**1560**	11.62	1,631	8.48	**231**	7.49	1.7	**0.13**
100	150	8.0	16.3	**104**	1.51	1,342	6.98	**262**	7.00	0.2	**0.02**
150	106	11.2	22.8	**1070**	21.78	1,198	6.23	**285**	6.79	3.4	**0.24**
200	75	10.6	21.5	**1810**	34.9	947	4.92	**335**	6.31	5.7	**0.38**
270	53	5.10	10.4	**1180**	10.9	775	4.03	**445**	6.86	1.7	**0.12**
400	38	2.70	5.49	**3120**	15.3	722	3.75	**480**	6.89	2.4	**0.17**
500	25	0.60	1.22	**1750**	1.9	396	2.06	**549**	4.3	0.5	**0.02**
-500	-25	0.30	0.61	**3040**	1.66	3,465	18.0	**385**	26.5	0.07	**0.02**
Total		49	100	**1,118.4**	100	19,231	100.0	**261.43**	100		**1.1**

Stage 2: Metallurgical Balance

Size		Concentrate 2				Tailing 2				% Ag Recovery	
		Conc 2 Mass		**Assay**	Ag Dist.	Tail 2 Mass		**Assay**	Ag Dist.		
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
28	600	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
35	425	0.00	0.00	**0.0**	0.00	0.0	0.00	**0.0**	0.00	#DIV/0!	**0.00**
48	300	0.20	0.26	**5.0**	0.00	297.1	1.55	**57.0**	0.32	0.0	**0.00**
65	212	3.80	4.88	**5.0**	0.01	1358.2	7.1	**89.0**	2.31	0.0	**0.00**
100	150	14.0	18.0	**1650**	17.56	2976.4	15.5	**151**	8.58	4.9	**0.43**
150	106	23.1	29.7	**1830**	32.1	3093.1	16.1	**214**	12.63	6.0	**0.79**
200	75	20.4	26.2	**1810**	28.1	2212.4	11.55	**253**	10.68	6.2	**0.69**
270	53	10.8	13.9	**1750**	14.4	1644.7	8.59	**326**	10.23	3.4	**0.35**
400	38	3.70	4.76	**1690**	4.8	1448.4	7.56	**403**	11.14	1.1	**0.12**
500	25	1.30	1.67	**2240**	2.2	721.5	3.77	**464**	6.4	0.9	**0.05**
-500	-25	0.50	0.64	**2380**	0.90	5401.0	28.2	**366**	37.7	0.06	**0.02**
Total		78	100	**1691**	100	19,153	100	**274**	100		**2.4**

Stage 3: Metallurgical Balance

Size		Concentrate 3				Tailing 3				% Ag Recovery	
		Conc 3 Mass		**Assay**	Ag Dist.	Tail 3 Mass		**Assay**	Ag Dist.		
Mesh	(µm)	gram	%	**Ag g/t**	%	gram	%	**Ag g/t**	%	From Ag available in size fraction	From total Ag avail. in this stage
65	212	0.5	0.55	**769**	0.31	0.0	0.00	**0.0**	0.00	100.0	**0.01**
100	150	4.20	4.63	**526**	1.78	802.1	4.21	**78.6**	1.27	3.4	**0.04**
150	106	19.40	21.37	**1190**	18.59	2,507.4	13.15	**124**	6.26	6.9	**0.45**
200	75	28.9	31.8	**1380**	32.12	3,150.5	16.5	**178**	11.29	6.6	**0.78**
270	53	20.9	23.0	**1390**	23.4	2,449.6	12.9	**266**	13.12	4.3	**0.57**
400	38	9.7	10.7	**1590**	12.4	2,081.1	10.9	**333**	13.96	2.2	**0.30**
500	25	4.80	5.29	**1790**	6.9	1,040.5	5.46	**372**	7.80	2.2	**0.17**
-500	-25	2.40	2.64	**2310**	4.46	7,030.8	36.9	**327**	46.3	0.24	**0.11**
Total		91	100	**1368**	100	**19062**	100	**260.49**	100		**2.4**

Test: EGRG-4 **Project No.: 50270-001** Technician: Keith B. Date:

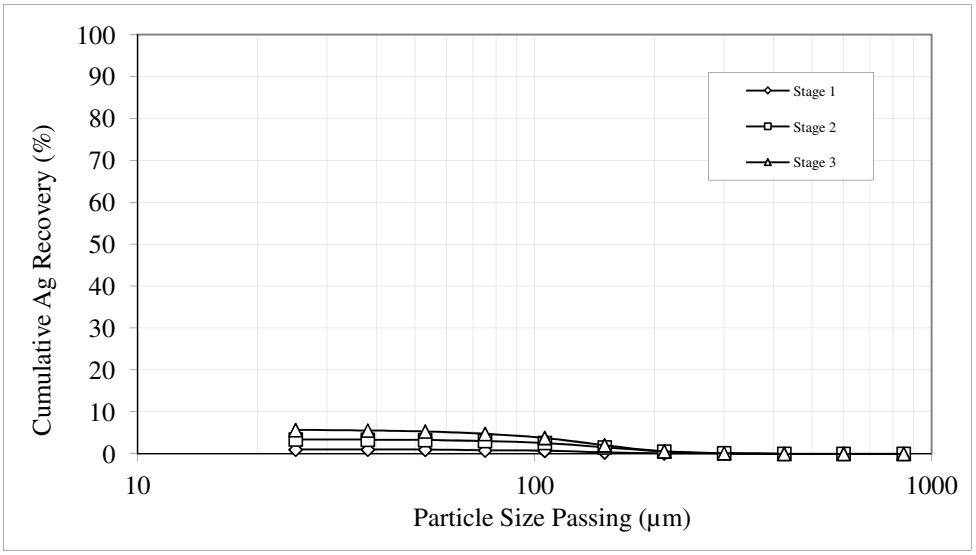
Sample: Comp D

Overall Metallurgical Balance

Size		Units of Ag				Units Lost to Sampling	
Mesh	(µm)	Conc 1	Conc 2	Conc 3	Tail 3	Tail 1	Tail 2
28	600	8	0	0	0	5916	0
35	425	200	0	0	0	10788	0
48	300	15	1	0	0	9428	319
65	212	6,396	19	385	0	7046	2278
100	150	832	23,100	2,209	63,043	6576	8471
150	106	11,984	42,273	23,086	310,917	6384	12476
200	75	19,186	36,924	39,882	560,790	5930	10550
270	53	6,018	18,900	29,051	651,591	6453	10106
400	38	8,424	6,253	15,423	692,995	6480	11002
500	25	1,050	2,912	8,592	387,079	4063	6310
-500	-25	912	1,190	5,544	2,299,081	24948	37259
Total		55,024	131,572	124,172	4,965,496	94010	98772

Total units of Ag in Feed	5,469,046
Feed Grade (g/t Ag)	**273.4**

Size		Overall Recoveries			Incremental Ag Rec	Cumulative Recovery (GRG)		
Mesh	(µm)	Stage 1	Stage 2	Stage 3	Fraction	Stage 1	Stage 2	Stage 3
	850							
28	600	0.00	0.00	0.00	**0.0**	**0.0**	**0.0**	**0.0**
35	425	0.00	0.00	0.00	**0.0**	**0.0**	**0.0**	**0.0**
48	300	0.00	0.00	0.00	**0.0**	**0.0**	**0.0**	**0.0**
65	212	0.12	0.00	0.01	**0.1**	**0.1**	**0.1**	**0.1**
100	150	0.02	0.42	0.04	**0.5**	**0.1**	**0.6**	**0.6**
150	106	0.22	0.77	0.42	**1.4**	**0.4**	**1.6**	**2.0**
200	75	0.35	0.68	0.73	**1.8**	**0.7**	**2.6**	**3.8**
270	53	0.11	0.35	0.53	**1.0**	**0.8**	**3.0**	**4.8**
400	38	0.15	0.11	0.28	**0.6**	**1.0**	**3.3**	**5.3**
500	25	0.02	0.05	0.16	**0.2**	**1.0**	**3.4**	**5.5**
-500	-25	0.02	0.02	0.10	**0.1**	**1.0**	**3.4**	**5.7**
Total		1.0	2.4	2.3	**5.7**			



F1 **Project No:** 50270-001 **Operator**: Yonika W. **Date**: 06-Jun-13

Purpose: Initial Flotation test

Procedure: As outlined below.

Feed: **2-kg of EGRG Tails (EGRG-3 - Comp C)**

Grind: 0.0 minutes / 2-kg at 65% solids in laboratory rod mill (Titan) Primary K_{80} = 105 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-						0.0				
Rougher 1	-	10	10	10				1	4	8.20	73.0
Rougher 2	-	7.5	10	5				1	4	8.20	61.0
Rougher 3	-	7.5	10	2				1	4	8.20	56.0
Rougher 4	-	7.5	10	*				1	4	8.20	48.0
Rougher 5		7.5	10	*				1	6	8.10	21.0
Total:	0	40	50	17	0	0	0	5	22		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Ro Conc 1	362	18.2	18.1	1050	40.7	7.27	10.4	46.5	91.1	56.9	89.9	81.2
Ro Conc 2	231	11.6	20.5	98.7	37.6	0.66	3.19	33.7	5.5	33.6	5.2	15.9
Ro Conc 3	83.5	4.2	23.9	69.9	20.3	0.52	0.94	14.2	1.4	6.5	1.5	1.7
Ro Conc 4	27.8	1.4	12.7	60.5	9.36	0.50	0.39	2.5	0.4	1.0	0.5	0.2
Ro Conc 5	25.2	1.3	5.34	45.5	5.31	0.46	0.27	1.0	0.3	0.5	0.4	0.1
Ro Tail	1261	63.3	0.25	4.30	0.31	0.06	0.03	2.2	1.3	1.5	2.6	0.8
Head (calc.)	1991	100	7.08	209	13.0	1.47	2.33	100	100	100	100	100
(direct)			6.30	199	-	-	-					

Combined Products

Ro Conc 1	18.2	18.1	1050.0	40.7	7.27	10.4	46.5	91.1	56.9	89.9	81.2
Ro Conc 1-2	29.8	19.0	679.0	39.5	4.69	7.59	80.1	96.6	90.4	95.1	97.1
Ro Conc 1-3	34.0	19.6	603.9	37.1	4.18	6.77	94.3	98.0	97.0	96.5	98.8
Ro Conc 1-4	35.4	19.4	582.5	36.0	4.03	6.52	96.8	98.4	98.0	97.0	99.0
Ro Conc	36.7	18.9	563.9	35.0	3.91	6.30	97.8	98.7	98.5	97.4	99.2
Ro Tail	63.3	0.25	4.30	0.31	0.06	0.03	2.24	1.30	1.51	2.58	0.82

F2 **Project No:** 50270-001 **Operator**: Yonika W. **Date**: 06-Jun-13

Purpose: Initial Flotation test

Procedure: As outlined below.

Feed: **2-kg of EGRG Tails (EGRG-4 - Comp D)**

Grind: 0.0 minutes / 2-kg at 65% solids in laboratory rod mill (Titan) Primary K_{80} = 105 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-						0.0				
Rougher 1	-	10	10	10				1	4	8.30	103.0
Rougher 2	-	7.5	10	5				1	4	8.30	108.0
Rougher 3	-	7.5	10	2				1	4	8.30	92.0
Rougher 4	-	7.5	10	*				1	4	8.10	40.0
Rougher 5		7.5	10	*				1	6	8.10	31.0
Total:	0	40	50	17	0	0	0	5	22		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Ro Conc 1	240	12.2	27.5	1930	30.4	15.2	8.88	68.1	84.7	74.6	83.5	85.2
Ro Conc 2	76.6	3.9	24.2	563.0	18.7	4.62	2.33	19.1	7.9	14.6	8.1	7.1
Ro Conc 3	37.3	1.9	18.5	781.0	16.3	6.27	3.65	7.1	5.3	6.2	5.3	5.4
Ro Conc 4	27.5	1.4	5.96	66.5	3.71	0.60	0.26	1.7	0.3	1.0	0.4	0.3
Ro Conc 5	24.7	1.3	3.13	37.1	1.93	0.36	0.13	0.8	0.2	0.5	0.2	0.1
Ro Tail	1559	79.3	0.20	5.60	0.19	0.07	0.03	3.2	1.6	3.0	2.5	1.9
Head (calc.)	1966	100	4.94	278	4.98	2.22	1.27	100	100	100	100	100
(direct)			4.54	260	-	-	-					

Combined Products

Ro Conc 1	12.2	27.5	1930.0	30.4	15.2	8.88	68.1	84.7	74.6	83.5	85.2
Ro Conc 1-2	16.1	26.7	1599.5	27.6	12.6	7.30	87.2	92.6	89.2	91.6	92.3
Ro Conc 1-3	18.0	25.8	1513.3	26.4	12.0	6.91	94.3	97.9	95.4	96.9	97.7
Ro Conc 1-4	19.4	24.4	1409.0	24.7	11.2	6.43	96.0	98.2	96.5	97.3	98.0
Ro Conc	20.7	23.1	1325.6	23.4	10.5	6.05	96.8	98.4	97.0	97.5	98.1
Ro Tail	79.3	0.20	5.60	0.19	0.07	0.03	3.21	1.60	3.03	2.50	1.87

F3 **Project No:** 50270-001 **Operator**: Yonika W. **Date**: 06-Jun-13

Purpose: Initial Flotation test

Procedure: As outlined below.

Feed: **2-kg of EGRG Tails (EGRG-1 - Comp A)**

Grind: 0.0 minutes / 2-kg at 65% solids in laboratory rod mill (Titan) Primary K_{80} = 98 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-						0.0				
Rougher 1	-	10	10	10				1	4	8.30	68.0
Rougher 2	-	7.5	10	5				1	4	8.30	29.0
Rougher 3	-	7.5	10	2				1	4	8.30	25.0
Rougher 4	-	7.5	10	*				1	4	8.10	99.0
Rougher 5		7.5	10	*				1	6	8.10	80.0
Total:	0	40	50	17	0	0	0	5	22		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Ro Conc 1	362	18.3	15.7	306	43.0			82.8	91.3	92.3		
Ro Conc 2	36.3	1.8	12.1	68.1	18.6			6.4	2.0	4.0		
Ro Conc 3	33.3	1.7	7.86	31.2	6.44			3.8	0.9	1.3		
Ro Conc 4	22.9	1.2	3.30	20.4	3.69			1.1	0.4	0.5		
Ro Conc 5	24.4	1.2	1.68	16.3	2.38			0.6	0.3	0.3		
Ro Tail	1493	75.7	0.24	4.10	0.18			5.2	5.1	1.6		
Head (calc.)	1971	100	3.48	61.4	8.55	0.00	0.00	100	100	100		
(direct)			3.25	59.2	-	-	-					

Combined Products

Ro Conc 1	18.3	15.7	306.0	43.0			82.8	91.3	92.3		
Ro Conc 1-2	20.2	15.4	284.3	40.8			89.2	93.4	96.3		
Ro Conc 1-3	21.9	14.8	264.7	38.1			93.1	94.2	97.6		
Ro Conc 1-4	23.0	14.2	252.4	36.4			94.2	94.6	98.1		
Ro Conc	24.3	13.6	240.4	34.7			94.8	94.9	98.4		
Ro Tail	75.7	0.24	4.10	0.18			5.23	5.05	1.60		

F4 **Project No:** 50270-001 **Operator**: Yonika W. **Date**: 06-Jun-13

Purpose: Initial Flotation test

Procedure: As outlined below.

Feed: **2-kg of EGRG Tails (EGRG-2 - Comp B)**

Grind: 0.0 minutes / 2-kg at 65% solids in laboratory rod mill (Titan) Primary K_{80} = 97 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-						0.0				
Rougher 1	-	10	10	10				1	4	8.30	43.0
Rougher 2	-	7.5	10	5				1	4	8.30	14.0
Rougher 3	-	7.5	10	2				1	4	8.30	80.0
Rougher 4	-	7.5	10	*				1	4	8.10	55.0
Rougher 5		7.5	10	*				1	6	8.10	-1.0
Total:	0	40	50	17	0	0	0	5	22		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Ro Conc 1	258	13.0	19.1	610	45.6			72.6	87.2	63.5		
Ro Conc 2	129	6.5	9.33	113.0	42.1			17.7	8.1	29.3		
Ro Conc 3	30.8	1.5	9.57	73.8	22.3			4.3	1.3	3.7		
Ro Conc 4	22.2	1.1	4.99	47.2	8.31			1.6	0.6	1.0		
Ro Conc 5	27.0	1.4	2.09	33.4	4.55			0.8	0.5	0.7		
Ro Tail	1525	76.6	0.13	2.80	0.22			2.9	2.4	1.8		
Head (calc.)	1992	100	3.41	90.6	9.30	0.00	0.00	100	100	100		
(direct)			3.16	95.3	-	-	-					

Combined Products

Ro Conc 1	13.0	19.1	610.0	45.6			72.6	87.2	63.5		
Ro Conc 1-2	19.4	15.8	444.5	44.4			90.3	95.3	92.8		
Ro Conc 1-3	21.0	15.4	417.1	42.8			94.6	96.6	96.5		
Ro Conc 1-4	22.1	14.9	398.5	41.1			96.2	97.1	97.5		
Ro Conc	23.4	14.1	377.4	39.0			97.1	97.6	98.2		
Ro Tail	76.6	0.13	2.80	0.22			2.92	2.37	1.81		

F5 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 31-Jul-13

Purpose: Repeat of F3 to produce concentrate for leaching

Procedure: As outlined below.

Feed: **2-kg of EGRG Tails (EGRG-1 - Comp A)**

Grind: 0.0 minutes / 2-kg at 65% solids in laboratory rod mill (Titan) Primary K_{80} = 99 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-						0.0			7.74	145.5
Rougher 1	-	10	10	10				1	4	7.75	137.5
Rougher 2	-	7.5	10	5				1	4	7.80	123.0
Rougher 3	-	7.5	10	**5**				1	4	7.84	80.1
Rougher 4	-	7.5	10	*				1	4	7.84	67.6
Rougher 5		7.5	10	*				1	6	7.84	76.6
Total:	0	40	50	20	0	0	0	5	22		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Ro Conc	458	22.0	15.5	267	44.1			94.6	98.2	98.6		
Ro Tail	1622	78.0	0.25	1.40	0.18			5.4	1.8	1.4		
Head (calc.)	2081	100	3.61	59.9	9.86	0.00	0.00	100	100	100		
(direct)			3.25	59.2	-	-	-					

F6 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 31-Jul-13

Purpose: Repeat of F4 to produce concentrate for leaching

Procedure: As outlined below.

Feed: **2-kg of EGRG Tails (EGRG-2 - Comp B)**

Grind: 0.0 minutes / 2-kg at 65% solids in laboratory rod mill (Titan) Primary K_{80} = 94 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-						0.0			7.78	145.6
Rougher 1	-	10	10	10				1	4	7.87	94
Rougher 2	-	7.5	10	5				1	4	7.85	56.6
Rougher 3	-	7.5	10	**5**				1	4	7.95	53.8
Rougher 4	-	7.5	10	**2.5**				1	4	7.92	45.6
Rougher 5		7.5	10	*				1	6	7.83	33.7
Total:	0	40	50	22.5	0	0	0	5	22		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Ro Conc	450	23.3	14.6	356	41.2			95.7	97.9	98.3		
Ro Tail	1485	76.7	0.20	2.30	0.22			4.3	2.1	1.7		
Head (calc.)	1935	100	3.55	84.6	9.76	0.00	0.00	100	100	100		
(direct)			3.16	95.3	-	-	-					

F7 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 31-Jul-13

Purpose: Repeat of F1 to produce concentrate for leaching

Procedure: As outlined below.

Feed: **2-kg of EGRG Tails (EGRG-3 - Comp C)**

Grind: 0.0 minutes / 2-kg at 65% solids in laboratory rod mill (Titan) Primary K_{80} = 101 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-						0.0			8.20	103.3
Rougher 1	-	10	10	10				1	4	8.22	60.7
Rougher 2	-	7.5	10	5				1	4	8.13	43.7
Rougher 3	-	7.5	10	2				1	4	8.04	32.9
Rougher 4	-	7.5	10	*				1	4	7.97	34.6
Rougher 5		7.5	10	*				1	6	7.85	29.2
Total:	0	40	50	17	0	0	0	5	22		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Ro Conc	657	33.5	19.9	467	38.5			97.3	98.2	98.3		
Ro Tail	1305	66.5	0.28	4.30	0.34			2.7	1.8	1.7		
Head (calc.)	1962	100	6.85	159	13.1	0.00	0.00	100	100	100		
(direct)			6.30	199	-	-	-					

F8 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 31-Jul-13

Purpose: Repeat of F2 to produce concentrate for leaching

Procedure: As outlined below.

Feed: **2-kg of EGRG Tails (EGRG-4 - Comp D)**

Grind: 0.0 minutes / 2-kg at 65% solids in laboratory rod mill (Titan) Primary K_{80} = 102 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-						0.0			8.19	76.6
Rougher 1	-	10	10	10				1	4	8.23	43.3
Rougher 2	-	7.5	10	5				1	4	8.14	22.8
Rougher 3	-	7.5	10					1	4	8.19	6.4
Rougher 4	-	7.5	10	*				1	4	8.09	9.6
Rougher 5		7.5	10	*				1	6	7.95	9.7
Total:	0	40	50	15	0	0	0	5	22		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Ro Conc	328	16.8	26.1	1670	28.7			96.9	98.9	97.5		
Ro Tail	1629	83.2	0.17	3.60	0.15			3.1	1.1	2.5		
Head (calc.)	1957	100	4.52	283	4.94	0.00	0.00	100	100	100		
(direct)			4.54	260	-	-	-					

F9 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 14-Aug-13

Purpose: Initial Sequential Flotation test

Procedure: As outlined below.

Feed: **2-kg of EGRG Tails (EGRG-3 - Comp C)**

Grind: 0.0 minutes / 2-kg at 65% solids in laboratory rod mill (Titan) Primary K_{80} = 103 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage	**Soda Ash**	**Complex NaCN**	**ZnSO4**	**3418A**	**241**	**MIBC**	**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind							0.0			8.40	173.0
Conditioning 1	90							1		9.0	
Conditioning 2	**	80	120					2		10.0	-15
Bulk Rougher 1	**			5	5	10		1	1	9.9	-4
Bulk Rougher 2	**			5	5	5		1	2	9.7	9
Bulk Rougher 3	**			5	5	2.5		1	3	9.5	6
Total:	90	80	120	15	15	17.5					
	LIME	**CuSO4**	**5100**	**SIPX**							
Conditioning 1	35							1		9.5	-5.6
Conditioning 2	90	200						4		9.50	94.0
Zn Rougher 1	20		5	5		**		1	1	9.51	91.1
Zn Rougher 2	5		5	5		**		1	2	9.51	82.3
Zn Rougher 3	40		5	5		**		1	4	9.54	57.3
Total:	190	200	15	15	0	35	0	14	13		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Bulk Rougher Con 1	71.1	3.7	29.4	2790	23.1	23.1	18.0	17.2	58.0	7.0	64.2	32.4
Bulk Rougher Con 2	59.4	3.1	27.0	1550	24.1	9.85	21.3	13.2	26.9	6.1	22.9	31.9
Bulk Rougher Con 3	20.7	1.1	23.1	646	24.6	3.67	19.9	3.9	3.9	2.2	3.0	10.4
Zn Rougher Con 1	173	9.0	16.4	70.8	39.6	0.29	4.09	23.3	3.6	29.1	1.9	17.8
Zn Rougher Con 2	286	14.9	14.5	51.5	39.3	0.24	0.81	34.2	4.3	47.8	2.7	5.8
Zn Rougher Con 3	67.7	3.5	9.23	64.2	19.7	0.39	0.41	5.1	1.3	5.7	1.0	0.7
Ro Tail	1242	64.7	0.30	5.70	0.42	0.09	0.03	3.1	2.1	2.2	4.3	0.8
Head (calc.)	1920	100	6.33	178	12.26	1.33	2.06	100	100	100	100	100
(direct)			6.30	199	-	-	-					

Combined Products

Bulk Ro Conc 1	3.7	29.4	2790.0	23.1	23.1	18.0	17.2	58.0	7.0	64.2	32.4
Bulk Ro Conc 1-2	6.8	28.3	2225.6	23.6	17.1	19.5	30.4	84.9	13.1	87.0	64.4
Bulk Ro Conc 1-3	7.9	27.6	**2009.3**	23.7	**15.2**	19.5	34.3	**88.8**	15.2	**90.0**	74.8
Zn Ro Con 1	9.0	16.4	70.8	39.6	0.29	4.09	23.3	3.6	29.1	1.9	17.8
Zn Ro Con 1-2	23.9	15.2	58.8	39.4	0.26	2.04	57.5	7.9	76.9	4.7	23.7
Zn Ro Con 1-3	27.4	14.4	59.5	36.9	0.28	1.83	62.6	9.2	**82.6**	5.7	24.4
Ro Conc	35.3	17.4	494.4	33.9	3.61	5.78	96.9	97.9	97.8	95.7	99.2
Ro Tail	64.7	0.30	5.70	0.42	0.09	0.03	3.07	2.07	2.22	4.32	0.85

F10 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 30-Sep-13

Purpose: Sequential Optimization Float Test

Procedure: As outlined below.

Feed: **2-kg of Comp C Whole Ore**

Grind: 42.0 minutes / 2-kg at 65% solids in laboratory rod mill#3 (Titan) Primary K_{80} = 80 µm Ro Tail

Regrind: 10 minutes / 50% solids in laboratory Pebble Mill#1 Regrind K_{80} = #N/A Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage	**Soda Ash**	**Complex NaCN**	**ZnSO4**	**3418A**	**241**	**MIBC**	**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind		90	270				42.0			7.41	132.1
Conditioning 1	680							1		9.0	40
Bulk Rougher 1	**			5	5	10		1	1	9.0	38
Bulk Rougher 2	130			5	5	5		1	2	9.0	32
Bulk Rougher 3	115			5	5	5		1	3	9.0	36
Bulk Rougher 4	90			5	5	**		1	3	9.0	36
Total:	1015	90	270	20	20	20					
	LIME	**CuSO4**	**5100**	**SIPX**							
Conditioning 1	295							1		10.0	3.6
Conditioning 2	125	200						4		10.07	110.5
Zn Rougher 1	60		5	5		5		1	1	10.02	88.3
Zn Rougher 2	65		5	5		5		1	2	10.01	99.0
Zn Rougher 3	35		5	5		**		1	6	10.04	75.3
Grind	100						10			9.89	91.1
Zn 1st Cln 1	400					**		1	1	11.0	-21.6
Zn 1st Cln 2	**		2.5			**		1	3	11.04	-8.0
Total:	1080	200	17.5	15	0	50	42	15	22		

Stage	Rougher	Cleaner		
Flotation Cell #8	D1	500-g		
Speed rpm	1800	1600		

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Bulk Rougher Con 1	112.6	5.7	45.0	2350	17.6	24.1	3.91	34.6	66.7	7.9	84.4	10.8
Bulk Rougher Con 2	54.8	2.8	25.5	1240	17.9	6.17	3.84	9.5	17.1	3.9	10.5	5.2
Bulk Rougher Con 3	16.5	0.8	20.7	747	18.6	2.26	4.06	2.3	3.1	1.2	1.2	1.6
Bulk Rougher Con 4	5.4	0.3	22.1	826	19.8	1.57	4.22	0.8	1.1	0.4	0.3	0.6
Zn 1st Cln 1 Con	71	3.6	10.1	321.0	33.2	0.47	43.2	4.9	5.8	9.4	1.0	76.1
Zn 1st Cln 2 Con	17.5	0.9	23.7	280.0	28.8	0.67	9.84	2.8	1.2	2.0	0.4	4.2
Zn 1st Cln Tail	517	26.1	12.1	27.2	35.7	0.09	0.05	**42.8**	3.5	73.4	1.4	0.6
Ro Tail	1185	59.8	0.27	4.70	0.36	0.02	0.03	2.2	1.4	1.7	0.8	0.8
Head (calc.)	1980	100	7.39	200	12.69	1.62	2.05	100	100	100	100	100
(direct)			7.02	205	11.6	-	-					

Combined Products

Bulk Ro Conc 1	5.7	45.0	2350.0	17.6	24.1	3.91	34.6	66.7	7.9	84.4	10.8
Bulk Ro Conc 1-2	8.5	38.6	1986.7	17.7	18.2	3.89	44.2	83.8	11.8	94.9	16.0
Bulk Ro Conc 1-3	9.3	37.0	1875.8	17.8	16.8	3.90	46.5	86.9	13.0	96.1	17.7
Bulk Ro Conc 1-4	9.6	36.6	1846.1	17.8	16.4	3.91	**47.3**	**88.0**	13.4	**96.4**	18.2
Zn 1st Cln Con 1	3.6	10.1	321.0	33.2	0.47	43.2	4.9	5.8	9.4	1.0	76.1
Zn 1st Cln Con 1-2	4.5	12.8	313.0	32.3	0.50	36.7	7.8	7.0	11.4	1.4	**80.3**
Zn Ro Con	30.6	12.2	69.1	35.2	0.15	5.42	50.5	10.6	84.9	2.8	80.9
Ro Conc	40.2	18.0	491.8	31.1	4.01	5.06	97.8	98.6	98.3	99.2	99.2
Ro Tail	59.8	0.27	4.70	0.36	0.02	0.03	2.19	1.40	1.70	0.85	0.85

F11 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 30-Sep-13

Purpose: Initial Whole Ore Rougher Flotation

Procedure: As outlined below.

Feed: **2-kg of Comp C**

Grind: 30.0 minutes / 2-kg at 65% solids in laboratory rod mill#3 (Titan) Primary K_{80} = 137 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-	10	10				30.0			7.71	147.1
Rougher 1	-	-	-	10				1	4	7.69	135.9
Rougher 2	-	7.5	10	5				1	4	7.88	145.1
Rougher 3	-	7.5	10	2				1	4	7.95	109.9
Rougher 4	-	7.5	10	*				1	4	7.93	88.3
Rougher 5		7.5	10	*				1	6	7.97	84.7
Total:	0	40	50	17	0	0	30	5	22		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Ro Conc 1	262	13.1	27.6	1350	35.6			47.5	87.9	36.3		
Ro Conc 2	302.9	15.1	13.4	88.5	41.4			26.7	6.7	48.8		
Ro Conc 3	89.4	4.5	27.8	84.0	22.1			16.3	1.9	7.7		
Ro Conc 4	44.7	2.2	14.4	78.7	14.3			4.2	0.9	2.5		
Ro Conc 5	31.7	1.6	6.44	63.8	10.3			1.3	0.5	1.3		
Ro Tail	1270	63.5	0.47	7.10	0.70			3.9	2.2	3.5		
Head (calc.)	2000	100	7.61	201.1	12.84	0.00	0.00	100	100	100		
(direct)			7.02	205	11.6							

Combined Products

Ro Conc 1	13.1	27.6	1350.0	35.6			47.5	87.9	36.3		
Ro Conc 1-2	28.2	20.0	673.5	38.7			74.2	94.5	85.1		
Ro Conc 1-3	32.7	21.1	592.9	36.4			90.5	96.4	92.8		
Ro Conc 1-4	34.9	20.6	560.1	35.0			94.7	97.3	95.3		
Ro Conc	36.5	20.0	538.6	34.0			96.1	97.8	96.5		
Ro Tail	63.5	0.47	7.10	0.70			3.92	2.24	3.46		

F12 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 27-Sep-13

Purpose: Initial Whole Ore Rougher Flotation

Procedure: As outlined below.

Feed: **2-kg of Comp D**

Grind: 37.0 minutes / 2-kg at 65% solids in laboratory rod mill#3 (Titan) Primary K_{80} = 101 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-	10	10				37.0			7.96	157.8
Rougher 1	-	-	-	10				1	4	7.95	128.5
Rougher 2	-	7.5	10	5				1	4	8.04	107.4
Rougher 3	-	7.5	10	*				1	4	8.06	88.3
Rougher 4	-	7.5	10	*				1	4	8.06	91.8
Rougher 5		7.5	10	*				1	6	8.04	73.9
Total:	0	40	50	15	0	0	37	5	22		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Ro Conc 1	216	10.8	20.7	2250	29.6			47.8	91.8	65.0		
Ro Conc 2	94.2	4.7	41.3	245.0	24.3			41.6	4.4	23.3		
Ro Conc 3	49.1	2.5	7.07	147.0	10.6			3.7	1.4	5.3		
Ro Conc 4	30.7	1.5	5.88	93.2	7.06			1.9	0.5	2.2		
Ro Conc 5	19.8	1.0	4.94	77.7	6.51			1.0	0.3	1.3		
Ro Tail	1588	79.5	0.23	5.60	0.18			3.9	1.7	2.9		
Head (calc.)	1998	100	4.68	264.6	4.92	0.00	0.00	100	100	100		
(direct)			5.06	290	4.88							

Combined Products

Ro Conc 1	10.8	20.7	2250.0	29.6			47.8	91.8	65.0		
Ro Conc 1-2	15.5	27.0	1640.3	28.0			89.4	96.1	88.3		
Ro Conc 1-3	18.0	24.2	1436.0	25.6			93.1	97.5	93.6		
Ro Conc 1-4	19.5	22.8	1330.2	24.1			95.0	98.0	95.8		
Ro Conc	20.5	21.9	1269.7	23.3			96.1	98.3	97.1		
Ro Tail	79.5	0.23	5.60	0.18			3.91	1.68	2.91		

F13 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 23-Oct-13

Purpose: Initial Whole Ore Cleaner Flotation

Procedure: As outlined below.

Feed: **2-kg of Comp C**

Grind: 38.0 minutes / 2-kg at 65% solids in laboratory rod mill#3 (Titan) Primary K_{80} = 89 µm Ro Tail

Regrind: 15.0 minutes / 50% solids in laboratory Pebble Mill#1 Regrind K_{80} = 49 µm Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-	10	10				38.0			7.51	161.6
Rougher 1	-	-	-	10				1	4	7.69	162.1
Rougher 2	-	7.5	10	5				1	4	7.87	139.3
Rougher 3	-	7.5	10	2				1	4	7.88	117.5
Rougher 4	-	7.5	10	*				1	4	7.91	84.0
Rougher 5		7.5	10	*				1	6	8.17	23.5
Regrind		2.5	5				15.0				
1st Cleaner 1				*					1	7.86	68.5
1st Cleaner 2		2.5	2.5	*					2	7.99	56.3
1st Cleaner 3		2.5	2.5	*					3	8.11	46.5
1st Cleaner 4		2.5	2.5	*					5	8.14	36.3
Total:	0	50	62.5	17	0	0	38	5	33		

Stage	Rougher	1st Cleaner			Comments:
Flotation Cell #8	D1	500-g			
Speed rpm	1800	1600			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
1st Cleaner Con 1	229	11.4	24.2	1310	39.5			38.6	70.1	35.6		
1st Cleaner Con 2	157	7.9	15.2	559	40.5			16.7	20.6	25.1		
1st Cleaner Con 3	36.2	1.8	12.0	404	42.3			3.0	3.4	6.0		
1st Cleaner Con 4	29.4	1.5	11.3	223	41.9			2.3	1.5	4.9		
1st Cleaner Tails	326	16.3	15.3	37.0	19.7			34.8	2.8	25.3		
Ro Tail	1223	61.1	0.53	5.60	0.66			4.5	1.6	3.2		
Head (calc.)	2001	100	7.16	214	12.7			100	100	100		
(direct)			7.02	205	11.6							

Combined Products

1st Cln Conc 1	11.4	24.2	1310	39.5			38.6	70.1	35.6		
1st Cln Conc 1-2	19.3	20.5	1004	39.9			55.3	90.6	60.6		
1st Cln Conc 1-3	21.1	19.8	953	40.1			58.3	94.0	66.7		
1st Cln Conc 1-4	22.6	19.2	905	40.2			60.6	95.6	71.5		
Ro Conc	38.9	17.6	541	31.6			95.5	98.4	96.8		
Ro Tail	61.1	0.53	5.60	0.66			4.52	1.60	3.18		

F14 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 24-Oct-13

Purpose: Initial Whole Ore Cleaner Flotation

Procedure: As outlined below.

Feed: **2-kg of Comp D**

Grind: 37.0 minutes / 2-kg at 65% solids in laboratory rod mill#3 (Titan) Primary K_{80} = 99 µm Ro Tail

Regrind: 15.0 minutes / 50% solids in laboratory Pebble Mill#1 Regrind K_{80} = 37 µm Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage		**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-	10	10				37.0			7.94	164.7
Rougher 1	-	-	-	10				1	4	8.16	132.8
Rougher 2	-	7.5	10	5				1	4	8.32	37.9
Rougher 3	-	7.5	10	*				1	4	8.34	6.5
Rougher 4	-	7.5	10	*				1	4	8.34	3.8
Rougher 5		7.5	10	*				1	6	8.38	-11.2
Regrind		2.5	5				15.0				
1st Cleaner 1				5				1	1	8.34	53.6
1st Cleaner 2		2.5	2.5	2.5				1	2	8.32	41.1
1st Cleaner 3		2.5	2.5	2.5				1	3	8.26	40.2
1st Cleaner 4		2.5	2.5	2.5				1	5	8.17	32.7
Total:	0	50	62.5	27.5	0	0	37	9	33		

Stage	Rougher	1st Cleaner			Comments:
Flotation Cell #8	D1	500-g			
Speed rpm	1800	1600			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
1st Cleaner Con 1	42.9	2.1	30.8	7120	22.9			12.5	58.1	10.2		
1st Cleaner Con 2	45.5	2.3	26.0	3200	29.4			11.2	27.7	13.8		
1st Cleaner Con 3	33.1	1.7	22.8	992	39.1			7.2	6.3	13.4		
1st Cleaner Con 4	47.3	2.4	22.9	374	43.6			10.3	3.4	21.3		
1st Cleaner Tails	125.4	6.3	41.4	87.6	25.4			49.3	2.1	33.0		
Ro Tail	1702	85.3	0.59	7.50	0.47			9.5	2.4	8.3		
Head (calc.)	1997	100	5.28	263	4.84			100	100	100		
(direct)			5.06	290	4.88							

Combined Products

1st Cln Conc 1	2.1	30.8	7120	22.9			12.5	58.1	10.2		
1st Cln Conc 1-2	4.4	28.3	5102	26.2			23.8	85.9	24.0		
1st Cln Conc 1-3	6.1	26.8	3983	29.7			30.9	92.1	37.4		
1st Cln Conc 1-4	8.5	25.7	2971	33.6			41.2	95.5	58.8		
Ro Conc	14.7	32.4	1742	30.1			90.5	97.6	91.7		
Ro Tail	85.3	0.59	7.50	0.47			9.53	2.43	8.28		

F15 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 26-Nov-13

Purpose: Whole Ore Cleaner Flotation - Double Reagent plus CuSO4

Procedure: As outlined below.

Feed: **2-kg of Comp C**

Grind: 38.0 minutes / 2-kg at 65% solids in laboratory rod mill#3 (Titan) Primary K_{80} = 92 µm Ro Tail

Regrind: 15.0 minutes / 50% solids in laboratory Pebble Mill#1 Regrind K_{80} = 44 µm Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage	**CuSO4**	**208**	**PAX**	**MIBC**			**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind	-	10	10				38.0			8.08	112.0
Rougher 1	-	-	-	10				1	4	8.07	110
Rougher 2	-	7.5	10	5				1	4	8.09	93.2
Rougher 3	-	7.5	10	2				1	4	8.20	59.7
Rougher 4	-	7.5	10	*				1	4	8.19	84.3
Rougher 5		7.5	10	*				1	6	8.17	75.1
Regrind		5	10				15.0				
1st Cleaner 1				*				1	1	8.05	106.5
1st Cleaner 2		5	5	*				1	2	8.08	104.2
1st Cleaner 3		5	5	*				1	3	8.14	86.8
1st Cleaner 4		5	5	3				1	5	8.10	71.9
1st Cleaner 5	100	5	5	5				4+1	6	7.19	208.5
Total:	100	65	80	25	0	0	38	9	39		

Stage	Rougher	1st Cleaner			Comments:
Flotation Cell #8	D1	500-g			
Speed rpm	1800	1600			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
1st Cleaner Con 1	293	14.7	25.8	1210	39.6			50.5	79.6	46.6		
1st Cleaner Con 2	158	7.9	14.2	408	40.8			15.0	14.5	25.9		
1st Cleaner Con 3	54.8	2.7	12.3	173	41.0			4.5	2.1	9.0		
1st Cleaner Con 4	45.7	2.3	15.5	90.5	36.3			4.7	0.9	6.7		
1st Cleaner Con 5	53.6	2.7	32.4	60.7	24.4			11.6	0.7	5.3		
1st Cleaner Tails	130	6.5	11.3	18.0	6.79			9.8	0.5	3.6		
Ro Tail	1263	63.2	0.46	5.80	0.60			3.9	1.6	3.0		
Head (calc.)	1998	100	7.49	223	12.5			100	100	100		
(direct)			7.02	205	11.6							

Combined Products

1st Cln Conc 1	14.7	25.8	1210	39.6			50.5	79.6	46.6		
1st Cln Conc 1-2	22.6	21.7	929	40.0			65.4	94.0	72.5		
1st Cln Conc 1-3	25.3	20.7	847	40.1			70.0	96.2	81.5		
1st Cln Conc 1-4	27.6	20.3	784	39.8			74.7	97.1	88.1		
1st Cln Conc 1-5	30.3	21.4	720	38.4			86.3	97.8	93.4		
Ro Conc	36.8	19.6	596	32.8			96.1	98.4	97.0		
Ro Tail	63.2	0.46	5.80	0.60			3.88	1.65	3.05		

F16 **Project No:** 50270-001 **Operator**: Kristelle S. **Date**: 21-Feb-14

Purpose: Sequential flotation to produce feed for leaching

Procedure: As outlined below.

Feed: **2-kg of Comp C Whole Ore**

Grind: 38.0 minutes / 2-kg at 65% solids in laboratory rod mill (Titan) Primary K_{80} = 97 µm Ro Tail

Regrind: / 50% solids in laboratory Pebble Mill Regrind K_{80} = - Comb

Conditions:

	Reagents added, g/t						Time, minutes			Pulp	
Stage	**Soda Ash**	**Complex NaCN**	**ZnSO4**	**3418A**	**241**	**MIBC**	**Grind**	**Cond.**	**Froth**	**pH**	**Eh**
Grind		80	120	5	5		38.0			8.41	10.2
Bulk Rougher 1	175			-	-	10		1	1	9.0	-14
Bulk Rougher 2	45			5	5	5		1	2	9.0	-8
Bulk Rougher 3	50			5	5	2.5		1	3	9.0	8
Total:	270	80	120	15	15	17.5					
	LIME	**CuSO4**	**5100**	**SIPX**							
Conditioning 1		200						4		7.88	156.4
Pyrite Rougher 1			5	5		**		1	1	7.89	147.9
Pyrite Rougher 2			5	5		**		1	2	8.01	145.7
Pyrite Rougher 3			5	5		**		1	4	8.10	132.9
Pyrite Rougher 4			5	5		**		1	4	8.24	130.6
Total:	0	200	20	20	0	35	38	11	17		

Stage	Rougher			
Flotation Cell #8	D1			
Speed rpm	1800			

Metallurgical Balance

Product	**Weight**		**Assays, g/t, %**					**% Distribution**				
	Dry	**%**	**Au**	**Ag**	**S**	**Pb**	**Zn**	**Au**	**Ag**	**S**	**Pb**	**Zn**
Bulk Rougher Con 1	142.9	7.2	31.2	1810	15.4	17.4	3.55	33.9	62.9	9.5	78.9	12.0
Bulk Rougher Con 2	90.5	4.6	20.0	827	15.2	5.00	3.74	13.8	18.2	6.0	14.4	8.0
Bulk Rougher Con 3	16.5	0.8	23.6	1040	18.4	3.36	4.89	3.0	4.2	1.3	1.8	1.9
Py Rougher Con	651	32.7	9.77	86.5	29.3	0.21	5.03	48.3	13.7	82.5	4.3	77.5
Ro Tail	1088	54.7	0.13	3.90	0.15	0.02	0.02	1.1	1.0	0.7	0.7	0.5
Head (calc.)	1989	100	6.62	207	11.6	1.59	2.12	100	100	100	100	100
(direct)			7.02	205	11.6	-	-					

Combined Products

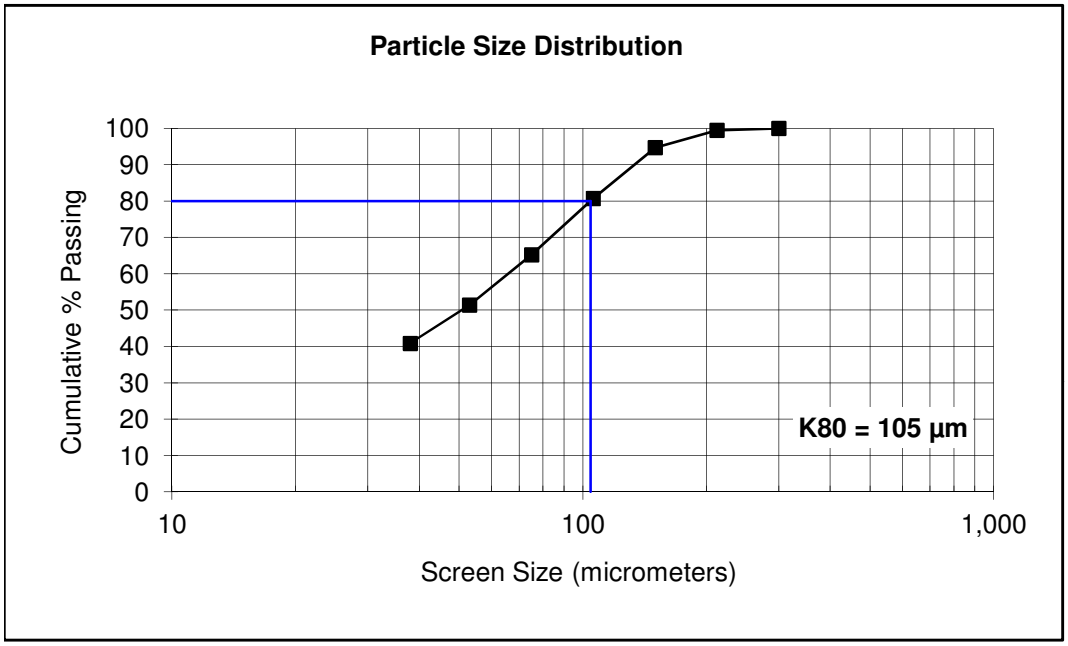
Bulk Ro Conc 1	7.2	31.2	1810.0	15.4	17.4	3.55	33.9	62.9	9.5	78.9	12.0
Bulk Ro Conc 1-2	11.7	26.9	1428.8	15.3	12.6	3.62	47.6	81.1	15.5	93.2	20.0
Bulk Ro Conc 1-3	12.6	26.6	**1403.2**	15.5	**12.0**	3.71	**50.6**	**85.3**	16.8	**95.0**	21.9
Py Ro Con	32.7	9.77	86.5	29.3	0.21	5.03	**48.3**	13.7	**82.5**	4.3	77.5
Ro Conc	45.3	14.5	451.7	25.5	3.48	4.66	98.9	99.0	99.3	99.3	99.5
Ro Tail	54.7	0.13	3.90	0.15	0.02	0.02	1.07	1.03	0.71	0.69	0.52

SGS Minerals Services
Size Distribution Analysis

Project No.
50270-001

Sample: **Ro Tail** Test No.: **F1**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	0.8	0.5	0.5	99.5
100	150	7.2	4.8	5.3	94.7
150	106	21.2	14.0	19.3	80.7
200	75	23.4	15.5	34.8	65.2
270	53	20.9	13.8	48.6	51.4
400	38	15.9	10.5	59.1	40.9
Pan	-38	61.8	40.9	100.0	0.0
Total	**-**	**151.2**	100.0	**-**	**-**
K80	**105**				

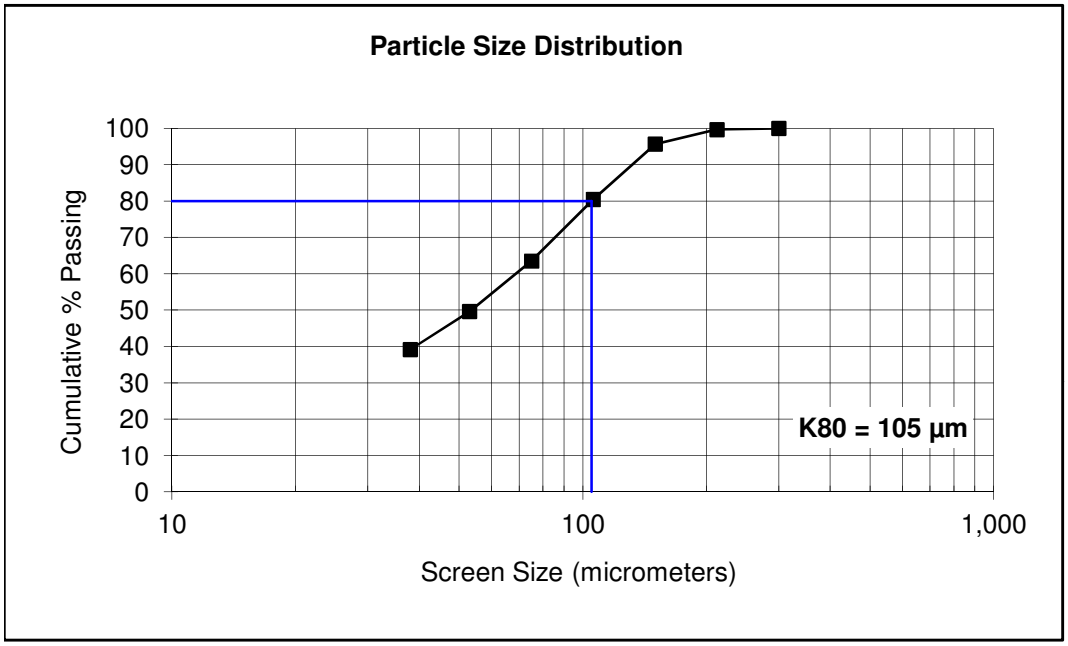


SGS Minerals Services
Size Distribution Analysis

Project No.
50270-001

Sample: **Ro Tail** Test No.: **F2**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	0.5	0.3	0.3	99.7
100	150	6.0	4.0	4.3	95.7
150	106	22.8	15.2	19.5	80.5
200	75	25.4	16.9	36.5	63.5
270	53	20.8	13.9	50.4	49.6
400	38	15.7	10.5	60.8	39.2
Pan	-38	58.7	39.2	100.0	0.0
Total	**-**	**149.9**	100.0	**-**	**-**
K80	**105**				

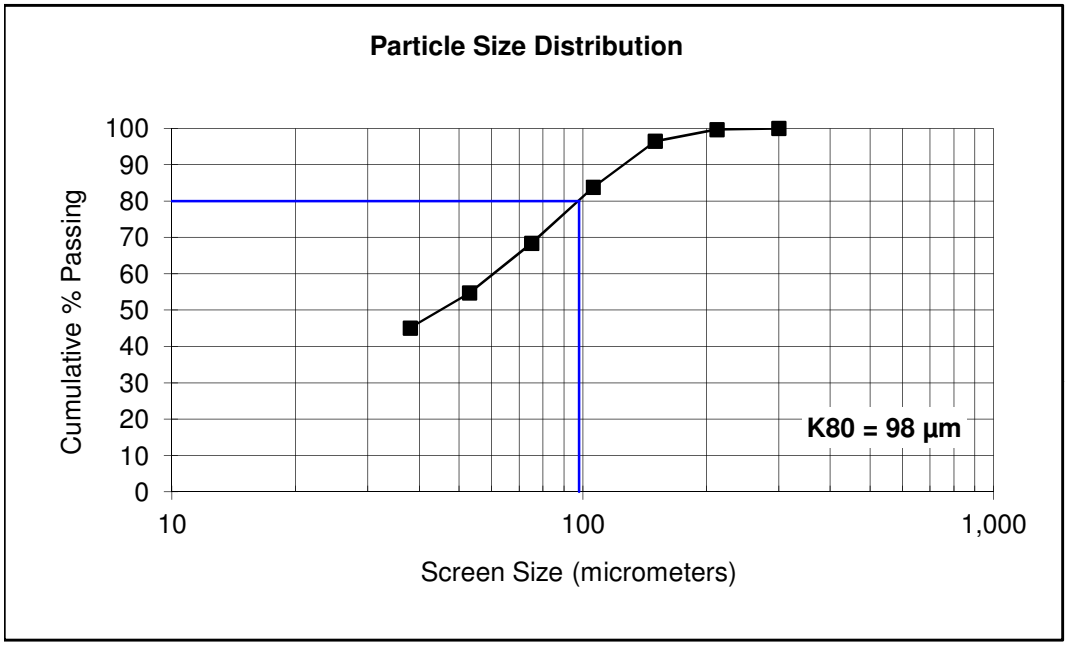


SGS Minerals Services
Size Distribution Analysis

Project No.
50270-001

Sample: **Ro Tail** Test No.: **F3**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	0.5	0.3	0.3	99.7
100	150	5.1	3.2	3.6	96.4
150	106	20.0	12.7	16.2	83.8
200	75	24.3	15.4	31.6	68.4
270	53	21.5	13.6	45.3	54.7
400	38	15.2	9.6	54.9	45.1
Pan	-38	71.1	45.1	100.0	0.0
Total	**-**	**157.7**	100.0	**-**	**-**
K80	**98**				

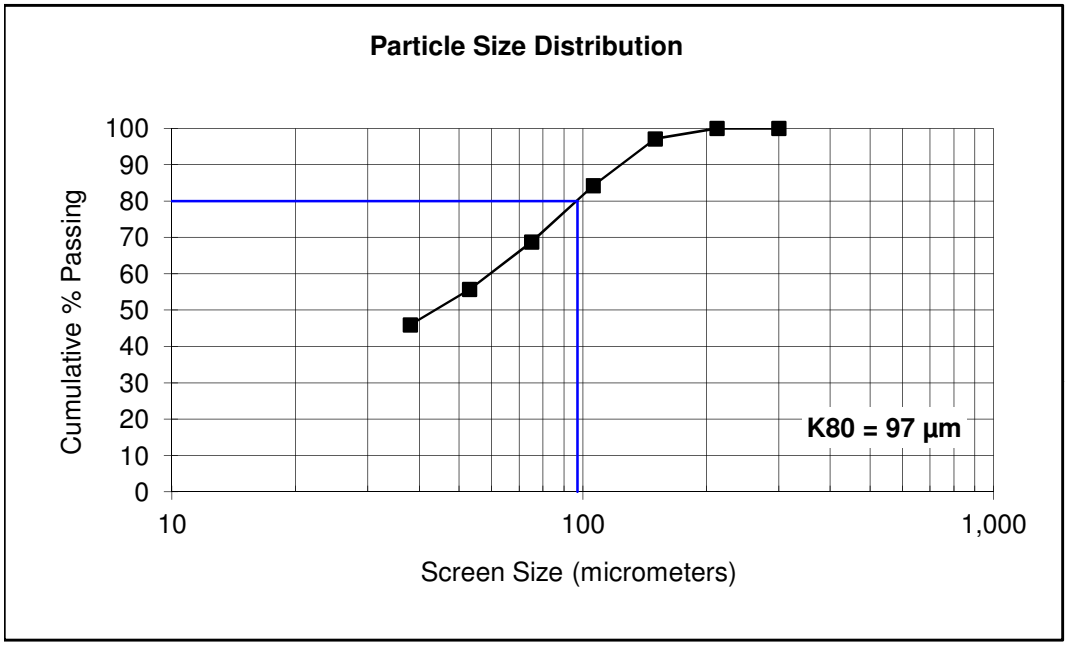


SGS Minerals Services
Size Distribution Analysis

Project No.
50270-001

Sample: **Ro Tail** Test No.: **F4**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	0.0	0.0	0.0	100.0
100	150	4.1	2.9	2.9	97.1
150	106	18.5	12.9	15.8	84.2
200	75	22.2	15.5	31.3	68.7
270	53	18.7	13.0	44.3	55.7
400	38	14.0	9.8	54.1	45.9
Pan	-38	65.8	45.9	100.0	0.0
Total	**-**	**143.3**	100.0	**-**	**-**
K80	**97**				



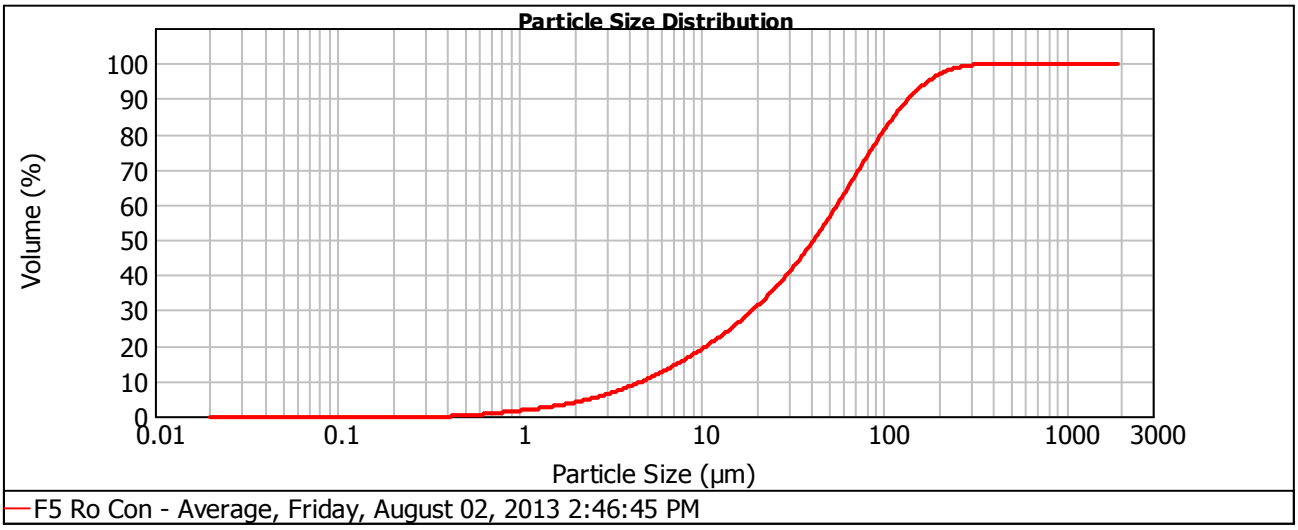
Result Analysis Report

Sample Name: F5 Ro Con - Average
SOP Name: 50270-001
Measured: 12000
Sample Source & type:
Measured by: Shengmei_Yang2
Analysed: Enhanced
Sample bulk lot ref:
Result Source: Averaged

Particle Name: Default
Accessory Name: Hydro 2000G (A)
Analysis model: General purpose
Sensitivity: Enhanced
Particle RI: 1.520
Absorption: 0.1
Size range: 0.020 to 2000.000 um
Obscuration: 6.31 %
Dispersant Name: Water
Dispersant RI: 1.330
Weighted Residual: 0.610 %
Result Emulation: Off

Concentration: 0.0103 %Vol
Span : 3.186
Uniformity: 1.01
Result units: Volume
Specific Surface Area: 0.56 m²/g
Surface Weighted Mean D[3,2]: 10.709 um
Vol. Weighted Mean D[4,3]: 58.524 um

d(0.1): 4.743 um **d(0.5):** 41.200 um **d (0.8) :** 96.642 um **d(0.9):** 135.992 um



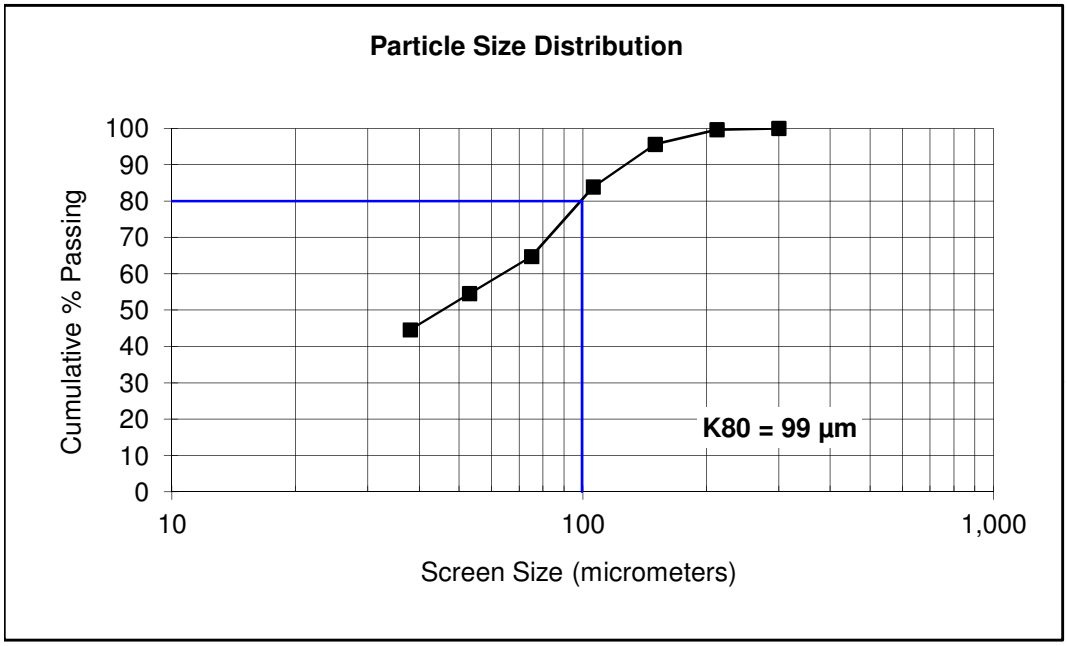
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.020	0.00	0.144	0.00	1.043	0.29	7.530	1.52	54.372	4.18	392.608	0.06
0.022	0.00	0.162	0.00	1.171	0.32	8.458	1.60	61.077	4.25	441.026	0.02
0.025	0.00	0.182	0.00	1.316	0.35	9.502	1.69	68.609	4.25	495.415	0.00
0.028	0.00	0.205	0.00	1.478	0.40	10.673	1.78	77.071	4.17	556.512	0.00
0.032	0.00	0.230	0.00	1.660	0.46	11.990	1.89	86.575	4.00	625.143	0.00
0.036	0.00	0.258	0.00	1.865	0.52	13.468	2.01	97.252	3.74	702.238	0.00
0.040	0.00	0.290	0.00	2.095	0.60	15.129	2.14	109.246	3.39	788.841	0.00
0.045	0.00	0.326	0.00	2.354	0.68	16.995	2.29	122.718	2.99	886.124	0.00
0.051	0.00	0.366	0.00	2.644	0.76	19.091	2.45	137.852	2.53	995.405	0.00
0.057	0.00	0.411	0.09	2.970	0.85	21.445	2.63	154.853	2.08	1118.162	0.00
0.064	0.00	0.462	0.14	3.336	0.93	24.090	2.83	173.950	1.63	1256.058	0.00
0.072	0.00	0.519	0.19	3.748	1.02	27.061	3.03	195.402	1.22	1410.960	0.00
0.081	0.00	0.583	0.22	4.210	1.10	30.398	3.25	219.500	0.87	1584.966	0.00
0.091	0.00	0.655	0.25	4.729	1.18	34.147	3.46	246.569	0.58	1780.430	0.00
0.102	0.00	0.736	0.26	5.312	1.27	38.358	3.68	276.977	0.36	2000.000	
0.114	0.00	0.826	0.27	5.967	1.35	43.089	3.88	311.135	0.22		
0.129	0.00	0.928	0.28	6.703	1.43	48.403	4.05	349.506	0.11		
0.144		1.043		7.530		54.372		392.608			

Operator notes:

Operator	SGS Minerals Services	Project No.
AY	**Size Distribution Analysis**	**50270-001**

Sample: **Ro Tail** Test No.: **F5**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	0.6	0.4	0.4	99.6
100	150	6.3	4.0	4.4	95.6
150	106	18.5	11.7	16.1	83.9
200	75	30.2	19.2	35.3	64.7
270	53	16.1	10.2	45.5	54.5
400	38	15.7	10.0	55.4	44.6
Pan	-38	70.3	44.6	100.0	0.0
Total	**-**	**157.7**	100.0	**-**	**-**
K80	**99**				



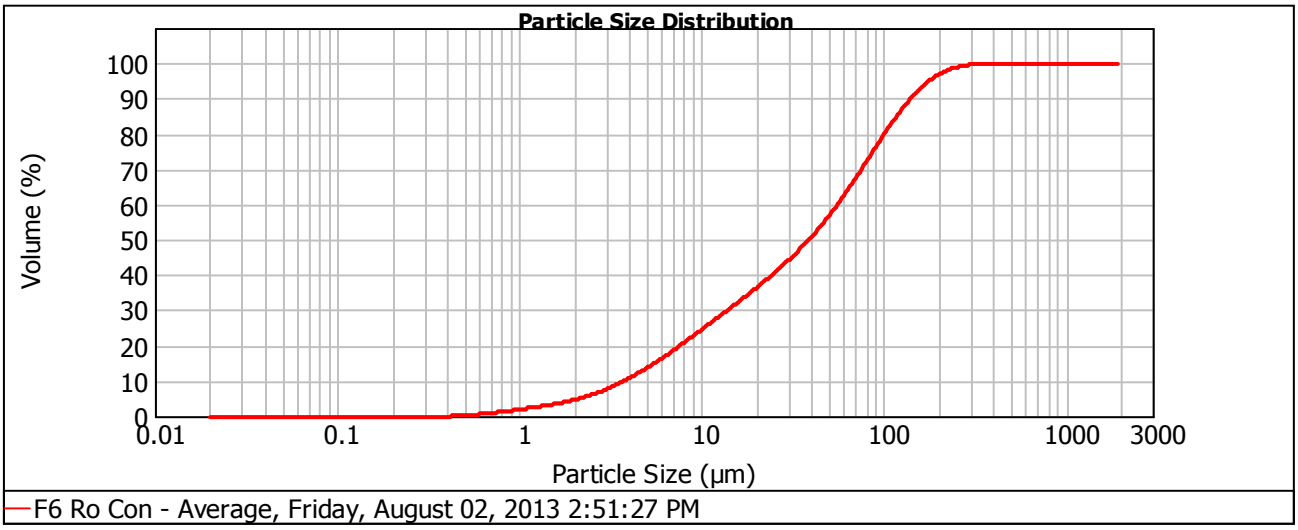
Result Analysis Report

Sample Name: F6 Ro Con - Average
SOP Name: 50270-001
Measured: 12000
Sample Source & type:
Measured by: Shengmei_Yang2
Analysed: Enhanced
Sample bulk lot ref:
Result Source: Averaged

Particle Name: Default
Accessory Name: Hydro 2000G (A)
Analysis model: General purpose
Sensitivity: Enhanced
Particle RI: 1.520
Absorption: 0.1
Size range: 0.020 to 2000.000 um
Obscuration: 4.18 %
Dispersant Name: Water
Dispersant RI: 1.330
Weighted Residual: 0.757 %
Result Emulation: Off

Concentration: 0.0057 %Vol
Span : 3.513
Uniformity: 1.14
Result units: Volume
Specific Surface Area: 0.66 m²/g
Surface Weighted Mean D[3,2]: 9.087 um
Vol. Weighted Mean D[4,3]: 57.459 um

d(0.1): 3.753 um **d(0.5):** 38.567 um **d (0.8) :** 100.056 um **d(0.9):** 139.229 um



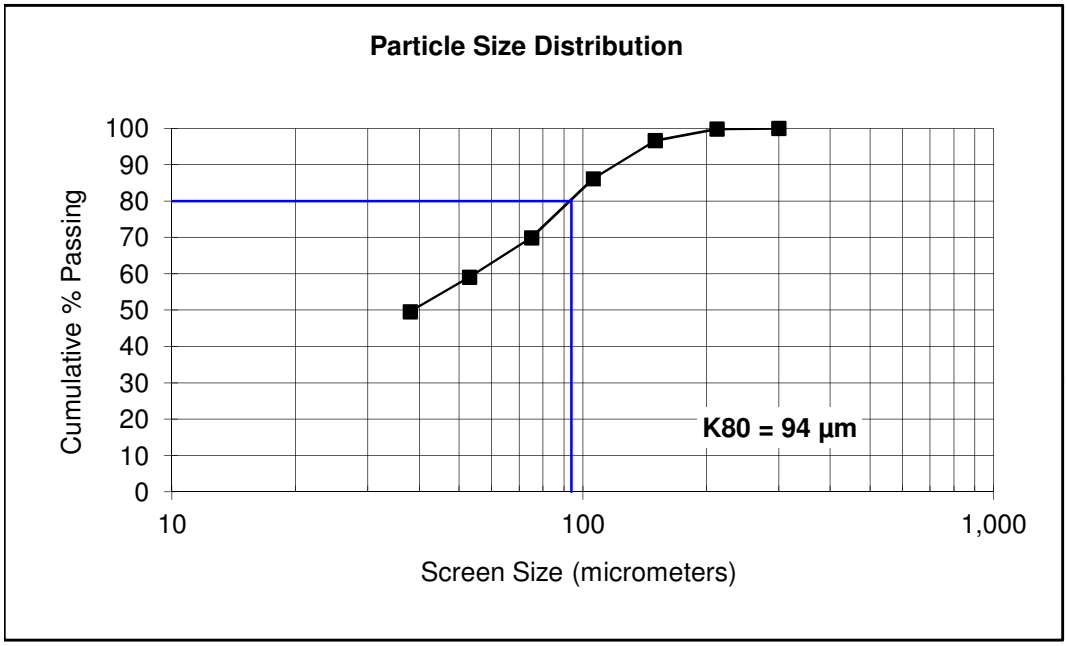
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.020	0.00	0.144	0.00	1.043	0.35	7.530	1.90	54.372	3.66	392.608	0.03
0.022	0.00	0.162	0.00	1.171	0.37	8.458	1.93	61.077	3.86	441.026	0.02
0.025	0.00	0.182	0.00	1.316	0.42	9.502	1.95	68.609	4.00	495.415	0.00
0.028	0.00	0.205	0.00	1.478	0.48	10.673	1.96	77.071	4.06	556.512	0.00
0.032	0.00	0.230	0.00	1.660	0.56	11.990	1.97	86.575	4.03	625.143	0.00
0.036	0.00	0.258	0.00	1.865	0.66	13.468	1.98	97.252	3.87	702.238	0.00
0.040	0.00	0.290	0.00	2.095	0.77	15.129	2.01	109.246	3.60	788.841	0.00
0.045	0.00	0.326	0.00	2.354	0.89	16.995	2.04	122.718	3.23	886.124	0.00
0.051	0.00	0.366	0.00	2.644	1.02	19.091	2.10	137.852	2.78	995.405	0.00
0.057	0.00	0.411	0.11	2.970	1.15	21.445	2.17	154.853	2.29	1118.162	0.00
0.064	0.00	0.462	0.17	3.336	1.28	24.090	2.27	173.950	1.79	1256.058	0.00
0.072	0.00	0.519	0.23	3.748	1.40	27.061	2.40	195.402	1.32	1410.960	0.00
0.081	0.00	0.583	0.26	4.210	1.52	30.398	2.55	219.500	0.90	1584.966	0.00
0.091	0.00	0.655	0.29	4.729	1.62	34.147	2.74	246.569	0.57	1780.430	0.00
0.102	0.00	0.736	0.31	5.312	1.72	38.358	2.95	276.977	0.32	2000.000	
0.114	0.00	0.826	0.32	5.967	1.79	43.089	3.19	311.135	0.16		
0.129	0.00	0.928	0.33	6.703	1.85	48.403	3.42	349.506	0.07		
0.144		1.043		7.530		54.372		392.608			

Operator notes:

Operator	SGS Minerals Services	Project No.
AY	**Size Distribution Analysis**	**50270-001**

Sample: **Ro Tail** Test No.: **F6**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	0.3	0.2	0.2	99.8
100	150	5.1	3.2	3.3	96.7
150	106	17.0	10.5	13.9	86.1
200	75	26.2	16.2	30.1	69.9
270	53	17.5	10.8	40.9	59.1
400	38	15.4	9.5	50.4	49.6
Pan	-38	80.1	49.6	100.0	0.0
Total	**-**	**161.6**	100.0	**-**	**-**
K80	**94**				



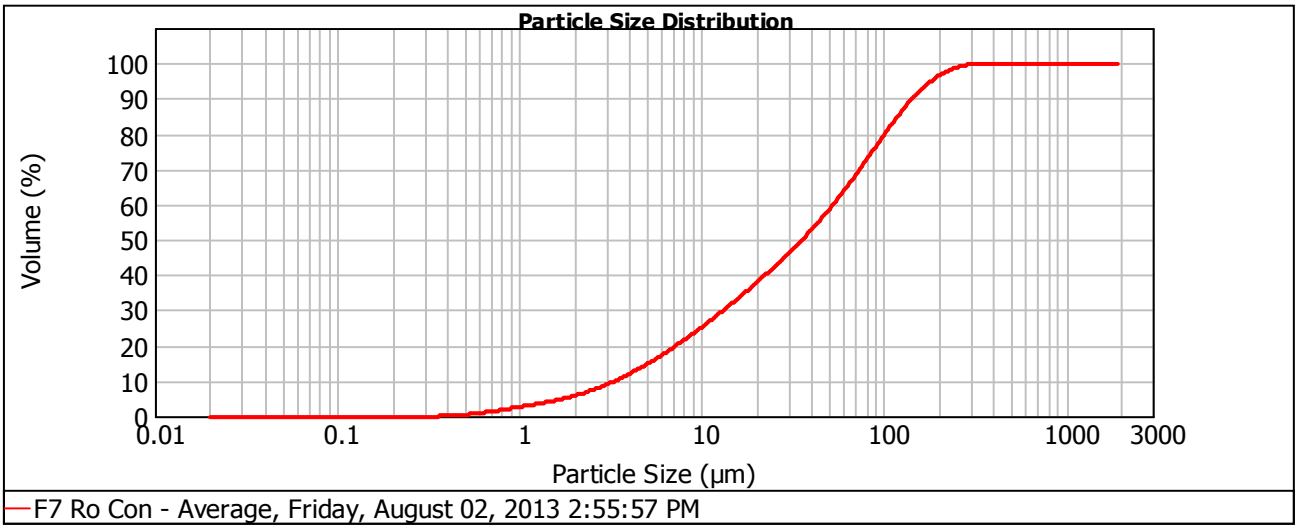
Result Analysis Report

Sample Name: F7 Ro Con - Average
SOP Name: 50270-001
Measured: 12000
Sample Source & type:
Measured by: Shengmei_Yang2
Analysed: Enhanced
Sample bulk lot ref:
Result Source: Averaged

Particle Name: Default
Accessory Name: Hydro 2000G (A)
Analysis model: General purpose
Sensitivity: Enhanced
Particle RI: 1.520
Absorption: 0.1
Size range: 0.020 to 2000.000 um
Obscuration: 4.87 %
Dispersant Name: Water
Dispersant RI: 1.330
Weighted Residual: 0.596 %
Result Emulation: Off

Concentration: 0.0061 %Vol
Span : 3.930
Uniformity: 1.25
Result units: Volume
Specific Surface Area: 0.751 m²/g
Surface Weighted Mean D[3,2]: 7.988 um
Vol. Weighted Mean D[4,3]: 56.694 um

d(0.1): 3.331 um **d(0.5):** 35.374 um **d (0.8) :** 100.413 um **d(0.9):** 142.335 um



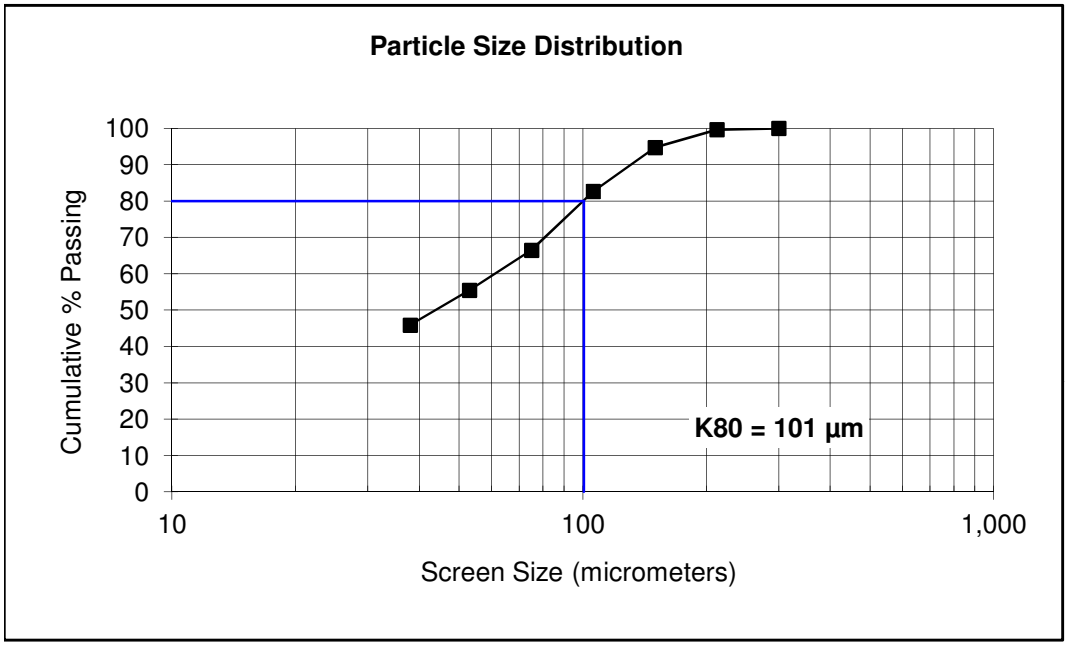
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.020	0.00	0.144	0.00	1.043	0.43	7.530	1.85	54.372	3.37	392.608	0.00
0.022	0.00	0.162	0.00	1.171	0.46	8.458	1.91	61.077	3.53	441.026	0.00
0.025	0.00	0.182	0.00	1.316	0.51	9.502	1.97	68.609	3.66	495.415	0.00
0.028	0.00	0.205	0.00	1.478	0.57	10.673	2.02	77.071	3.73	556.512	0.00
0.032	0.00	0.230	0.00	1.660	0.65	11.990	2.07	86.575	3.72	625.143	0.00
0.036	0.00	0.258	0.00	1.865	0.73	13.468	2.13	97.252	3.63	702.238	0.00
0.040	0.00	0.290	0.00	2.095	0.83	15.129	2.18	109.246	3.43	788.841	0.00
0.045	0.00	0.326	0.01	2.354	0.93	16.995	2.23	122.718	3.15	886.124	0.00
0.051	0.00	0.366	0.09	2.644	1.04	19.091	2.29	137.852	2.78	995.405	0.00
0.057	0.00	0.411	0.16	2.970	1.14	21.445	2.35	154.853	2.36	1118.162	0.00
0.064	0.00	0.462	0.24	3.336	1.24	24.090	2.42	173.950	1.92	1256.058	0.00
0.072	0.00	0.519	0.29	3.748	1.34	27.061	2.51	195.402	1.47	1410.960	0.00
0.081	0.00	0.583	0.34	4.210	1.44	30.398	2.61	219.500	1.06	1584.966	0.00
0.091	0.00	0.655	0.37	4.729	1.53	34.147	2.72	246.569	0.69	1780.430	0.00
0.102	0.00	0.736	0.39	5.312	1.62	38.358	2.86	276.977	0.40	2000.000	
0.114	0.00	0.826	0.40	5.967	1.70	43.089	3.02	311.135	0.10		
0.129	0.00	0.928	0.42	6.703	1.78	48.403	3.19	349.506	0.02		
0.144		1.043		7.530		54.372		392.608			

Operator notes:

Operator	SGS Minerals Services	Project No.
AY	**Size Distribution Analysis**	**50270-001**

Sample: **Ro Tail** Test No.: **F7**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	0.6	0.4	0.4	99.6
100	150	8.2	4.9	5.3	94.7
150	106	20.3	12.1	17.4	82.6
200	75	27.1	16.2	33.5	66.5
270	53	18.4	11.0	44.5	55.5
400	38	16.1	9.6	54.1	45.9
Pan	-38	76.9	45.9	100.0	0.0
Total	**-**	**167.6**	100.0	**-**	**-**
K80	**101**				



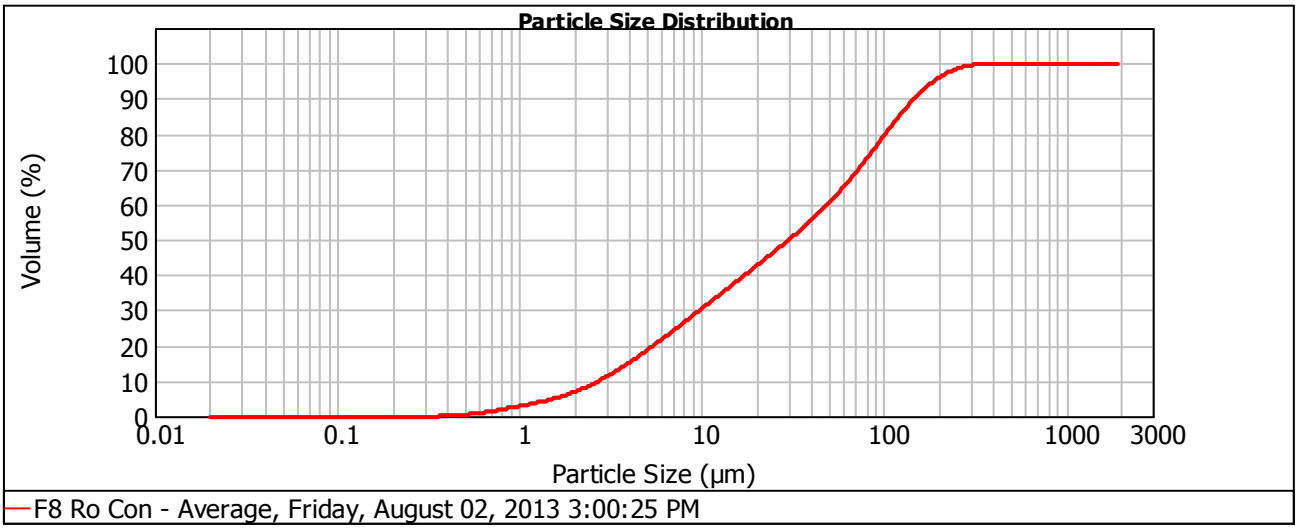
Result Analysis Report

Sample Name: F8 Ro Con - Average
SOP Name: 50270-001
Measured: 12000
Sample Source & type:
Measured by: Shengmei_Yang2
Analysed: Enhanced
Sample bulk lot ref:
Result Source: Averaged

Particle Name: Default
Accessory Name: Hydro 2000G (A)
Analysis model: General purpose
Sensitivity: Enhanced
Particle RI: 1.520
Absorption: 0.1
Size range: 0.020 to 2000.000 um
Obscuration: 4.88 %
Dispersant Name: Water
Dispersant RI: 1.330
Weighted Residual: 0.913 %
Result Emulation: Off

Concentration: 0.0052 %Vol
Span : 4.779
Uniformity: 1.53
Result units: Volume
Specific Surface Area: 0.859 m²/g
Surface Weighted Mean D[3,2]: 6.986 um
Vol. Weighted Mean D[4,3]: 55.742 um

d(0.1): 2.724 um **d(0.5):** 29.991 um **d (0.8) :** 101.341 um **d(0.9):** 146.035 um



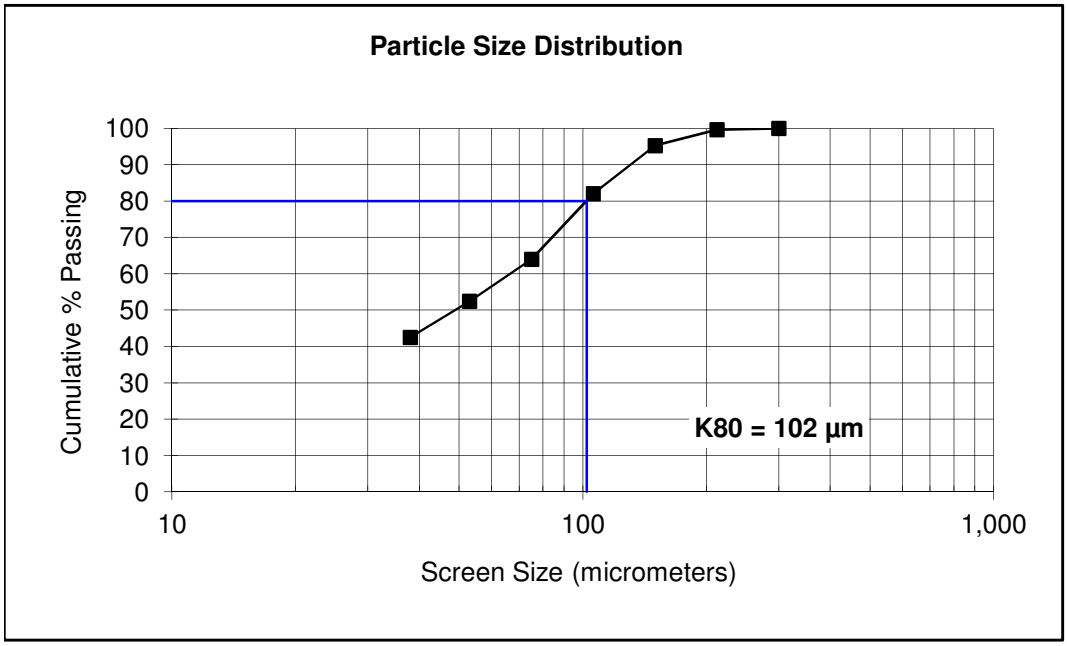
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.020	0.00	0.144	0.00	1.043	0.52	7.530	2.03	54.372	2.93	392.608	0.02
0.022	0.00	0.162	0.00	1.171	0.57	8.458	2.04	61.077	3.12	441.026	0.00
0.025	0.00	0.182	0.00	1.316	0.64	9.502	2.04	68.609	3.29	495.415	0.00
0.028	0.00	0.205	0.00	1.478	0.73	10.673	2.04	77.071	3.41	556.512	0.00
0.032	0.00	0.230	0.00	1.660	0.85	11.990	2.03	86.575	3.47	625.143	0.00
0.036	0.00	0.258	0.00	1.865	0.98	13.468	2.03	97.252	3.44	702.238	0.00
0.040	0.00	0.290	0.00	2.095	1.12	15.129	2.03	109.246	3.31	788.841	0.00
0.045	0.00	0.326	0.01	2.354	1.26	16.995	2.04	122.718	3.07	886.124	0.00
0.051	0.00	0.366	0.07	2.644	1.39	19.091	2.05	137.852	2.75	995.405	0.00
0.057	0.00	0.411	0.15	2.970	1.52	21.445	2.08	154.853	2.37	1118.162	0.00
0.064	0.00	0.462	0.25	3.336	1.63	24.090	2.11	173.950	1.95	1256.058	0.00
0.072	0.00	0.519	0.31	3.748	1.73	27.061	2.16	195.402	1.53	1410.960	0.00
0.081	0.00	0.583	0.37	4.210	1.82	30.398	2.23	219.500	1.13	1584.966	0.00
0.091	0.00	0.655	0.41	4.729	1.89	34.147	2.32	246.569	0.78	1780.430	0.00
0.102	0.00	0.736	0.44	5.312	1.95	38.358	2.43	276.977	0.49	2000.000	
0.114	0.00	0.826	0.47	5.967	1.99	43.089	2.58	311.135	0.29		
0.129	0.00	0.928	0.49	6.703	2.02	48.403	2.75	349.506	0.10		
0.144	0.00	1.043		7.530		54.372		392.608			

Operator notes:

Operator	SGS Minerals Services	Project No.
AY	**Size Distribution Analysis**	**50270-001**

Sample: **Ro Tail** Test No.: **F8**

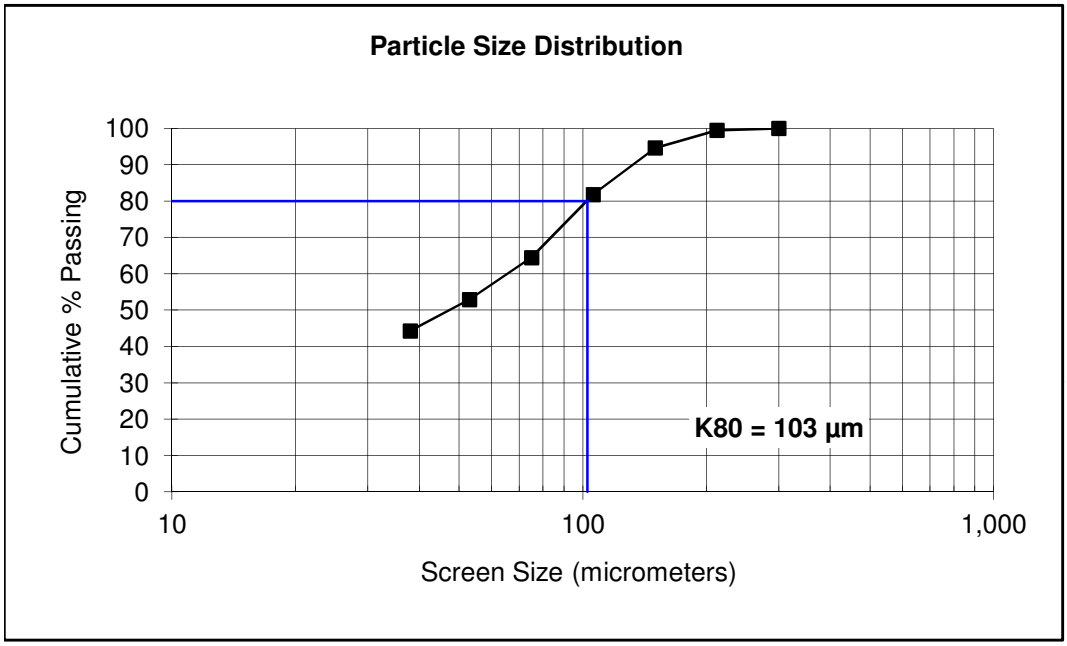
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	0.6	0.4	0.4	99.6
100	150	6.8	4.3	4.7	95.3
150	106	20.7	13.2	18.0	82.0
200	75	28.3	18.1	36.0	64.0
270	53	18.0	11.5	47.5	52.5
400	38	15.6	10.0	57.5	42.5
Pan	-38	66.5	42.5	100.0	0.0
Total	**-**	**156.5**	100.0	**-**	**-**
K80	**102**				



Operator	SGS Minerals Services	Project No.
Jay	**Size Distribution Analysis**	**50270-001**

Sample: **Ro Tail** Test No.: **F9**

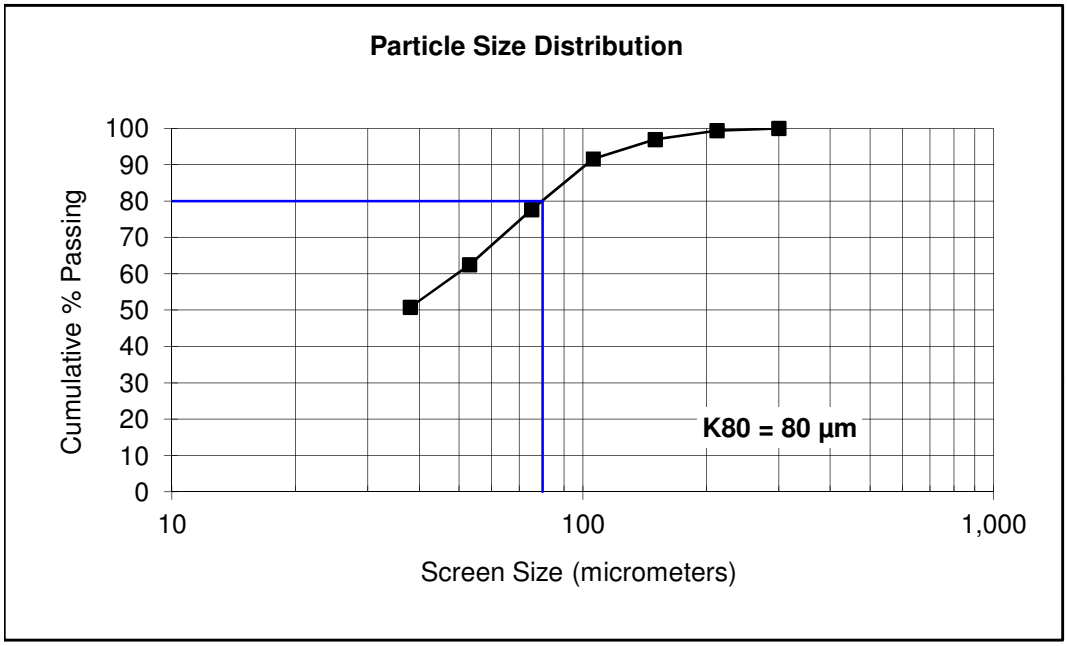
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	0.8	0.5	0.5	99.5
100	150	7.3	4.9	5.4	94.6
150	106	19.2	12.8	18.2	81.8
200	75	26.0	17.3	35.5	64.5
270	53	17.3	11.5	47.1	52.9
400	38	13.0	8.7	55.7	44.3
Pan	-38	66.4	44.3	100.0	0.0
Total	**-**	**150.0**	100.0	**-**	**-**
K80	**103**				



Operator	SGS Minerals Services	Project No.
Eliseo	**Size Distribution Analysis**	**50270-001**

Sample: **Ro Tail** Test No.: **F10**

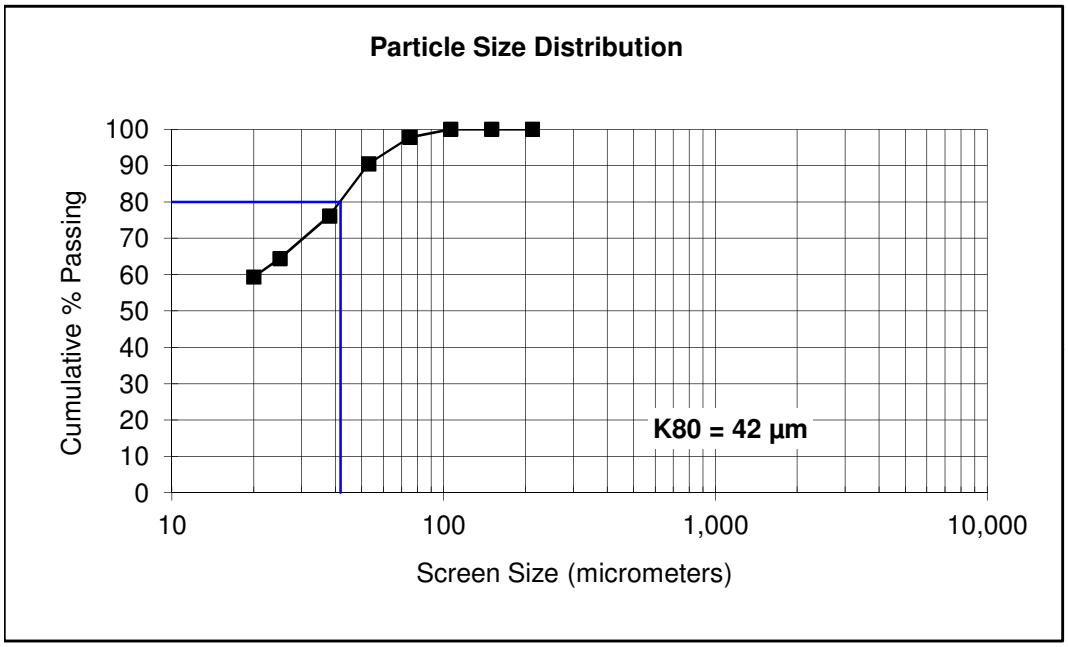
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	0.8	0.6	0.6	99.4
100	150	3.1	2.4	3.1	96.9
150	106	6.8	5.3	8.4	91.6
200	75	17.8	14.0	22.4	77.6
270	53	19.3	15.1	37.5	62.5
400	38	14.9	11.7	49.2	50.8
Pan	-38	64.7	50.8	100.0	0.0
Total	**-**	**127.4**	100.0	**-**	**-**
K80	**80**				



Operator	SGS Minerals Services	Project No.
Eliseo	**Size Distribution Analysis**	**50270-001**

Sample: **Comb Cln** Test No.: **F10**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
65	212	0.0	0.0	0.0	100.0
100	150	0.0	0.0	0.0	100.0
150	106	0.0	0.0	0.0	100.0
200	75	1.0	2.2	2.2	97.8
270	53	3.3	7.3	9.5	90.5
400	38	6.5	14.4	23.8	76.2
500	25	5.3	11.7	35.5	64.5
635	20	2.3	5.1	40.6	59.4
Pan	-20	26.9	59.4	100.0	0.0
Total	**-**	**45.3**	100.0	**-**	**-**
K80	**42**				



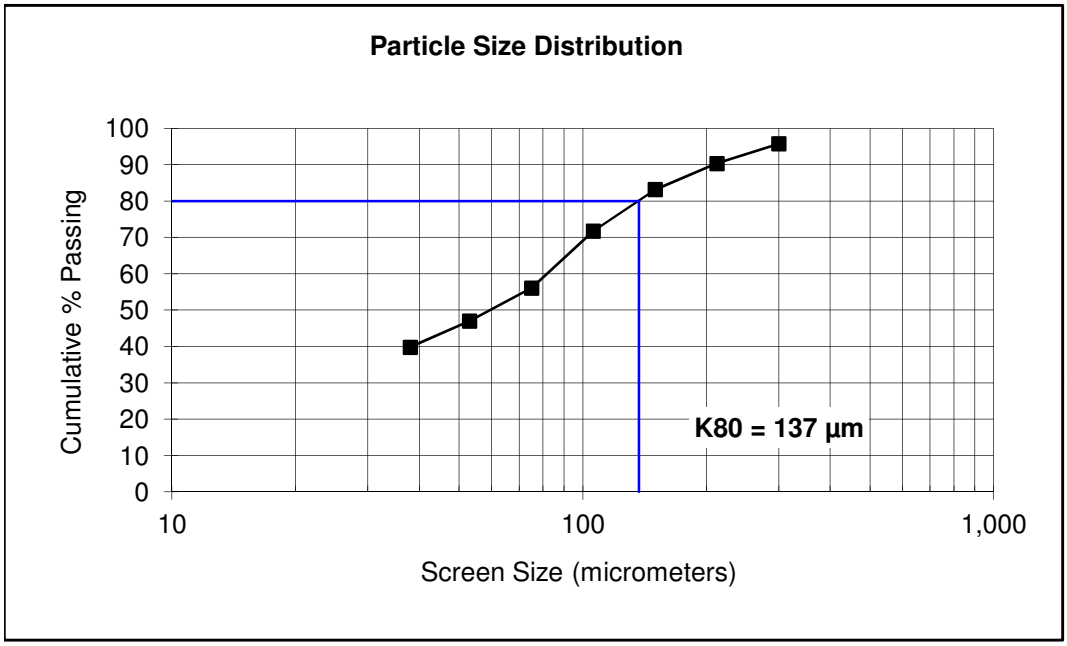
Operator: **Eliseo**

SGS Minerals Services
Size Distribution Analysis

Project No.: **50270-001**

Sample: **Ro Tail** Test No.: **F11**

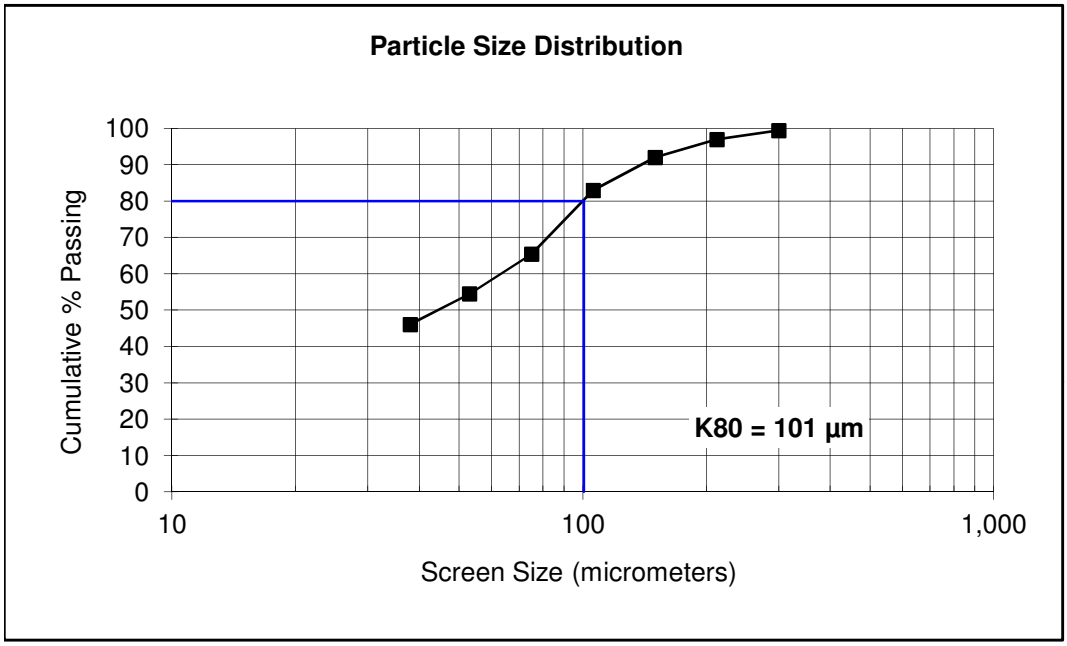
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	6.3	4.2	4.2	95.8
65	212	8.1	5.4	9.7	90.3
100	150	10.7	7.2	16.8	83.2
150	106	17.1	11.5	28.3	71.7
200	75	23.4	15.7	44.0	56.0
270	53	13.5	9.0	53.0	47.0
400	38	10.7	7.2	60.2	39.8
Pan	-38	59.4	39.8	100.0	0.0
Total	**-**	**149.2**	100.0	**-**	**-**
K80	**137**				



Operator	SGS Minerals Services	Project No.
Eliseo	**Size Distribution Analysis**	**50270-001**

Sample: **Ro Tail** Test No.: **F12**

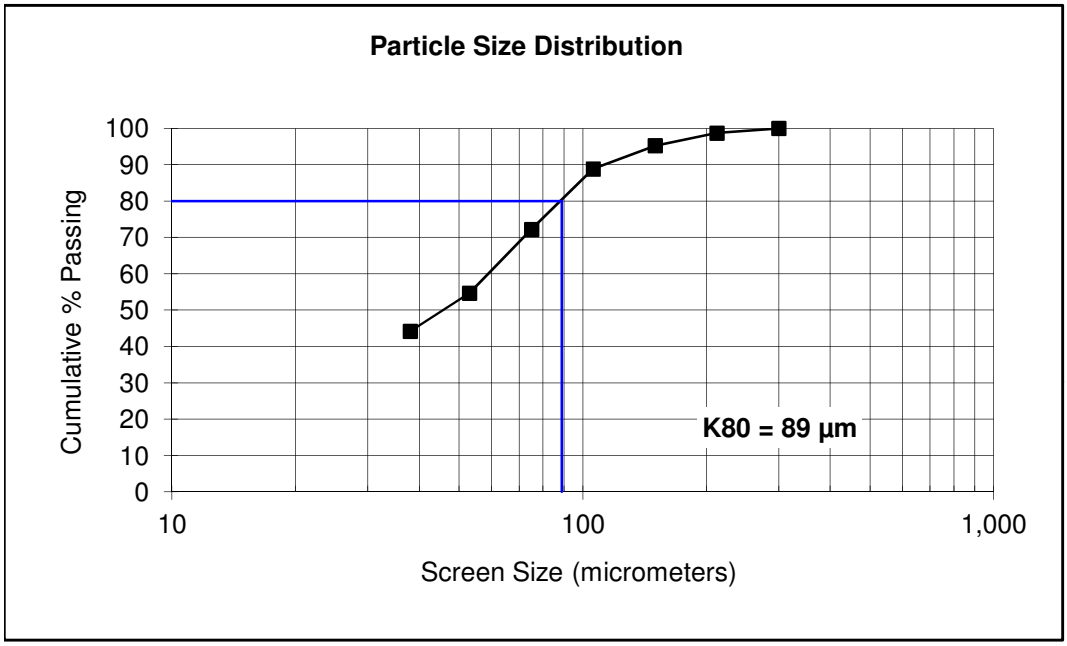
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.9	0.6	0.6	99.4
65	212	3.8	2.5	3.1	96.9
100	150	7.5	4.9	8.0	92.0
150	106	13.9	9.1	17.0	83.0
200	75	26.9	17.6	34.6	65.4
270	53	16.7	10.9	45.5	54.5
400	38	12.9	8.4	54.0	46.0
Pan	-38	70.5	46.0	100.0	0.0
Total	**-**	**153.1**	100.0	**-**	**-**
K80	**101**				



Operator	SGS Minerals Services	Project No.
JAY	**Size Distribution Analysis**	**50270-001**

Sample: **Ro Tail** Test No.: **F13**

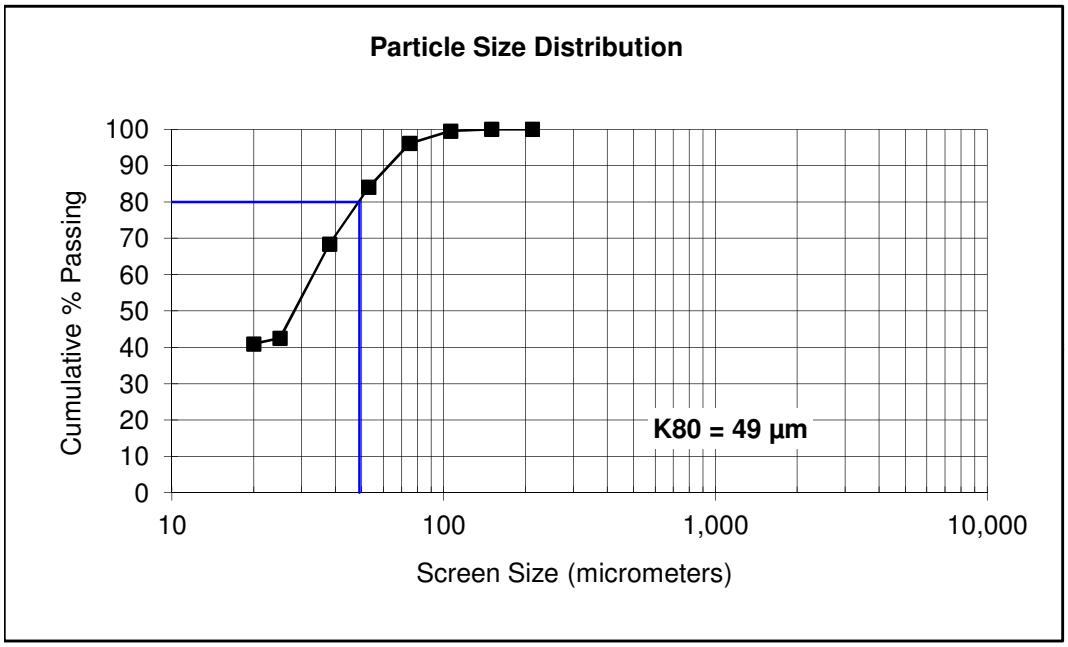
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	2.1	1.3	1.3	98.7
100	150	5.7	3.5	4.8	95.2
150	106	10.5	6.4	11.2	88.8
200	75	27.3	16.6	27.8	72.2
270	53	28.8	17.6	45.3	54.7
400	38	17.2	10.5	55.8	44.2
Pan	-38	72.5	44.2	100.0	0.0
Total	**-**	**164.1**	100.0	**-**	**-**
K80	**89**				



Operator	SGS Minerals Services	Project No.
JAY	**Size Distribution Analysis**	**50270-001**

Sample: **COMB CLEANER** Test No.: **F13**

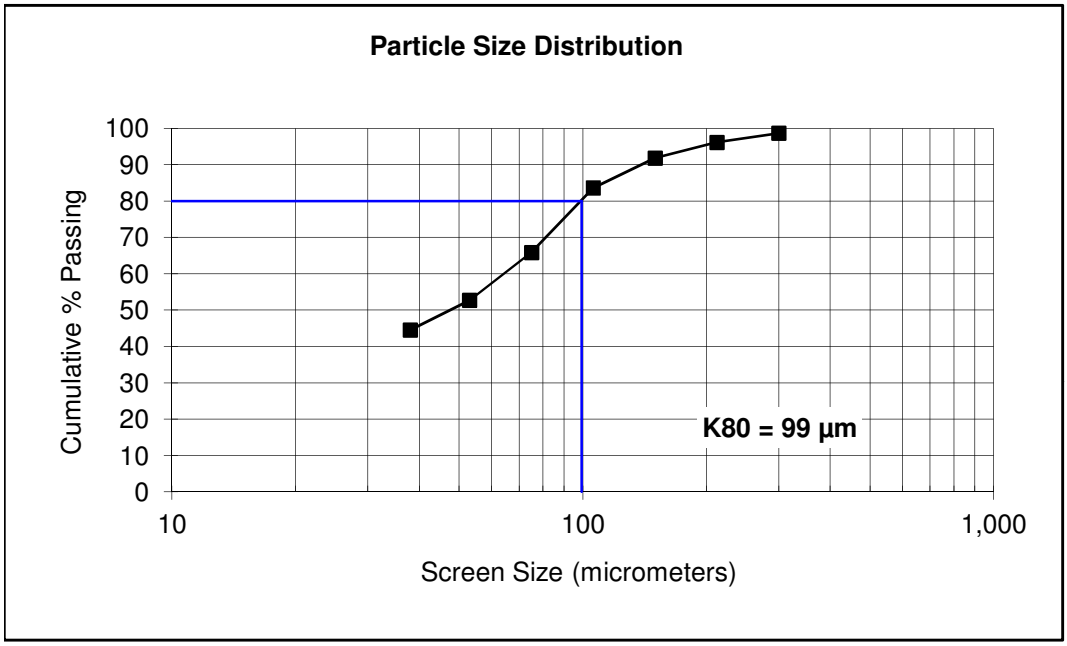
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
65	212	0.0	0.0	0.0	100.0
100	150	0.0	0.0	0.0	100.0
150	106	0.6	0.5	0.5	99.5
200	75	4.1	3.4	3.9	96.1
270	53	14.6	12.1	15.9	84.1
400	38	19.0	15.7	31.6	68.4
500	25	31.3	25.8	57.5	42.5
635	20	1.9	1.6	59.0	41.0
Pan	-20	49.6	41.0	100.0	0.0
Total	**-**	**121.1**	100.0	**-**	**-**
K80	**49**				



Operator	SGS Minerals Services	Project No.
JAY	**Size Distribution Analysis**	**50270-001**

Sample: **Ro Tail** Test No.: **F14**

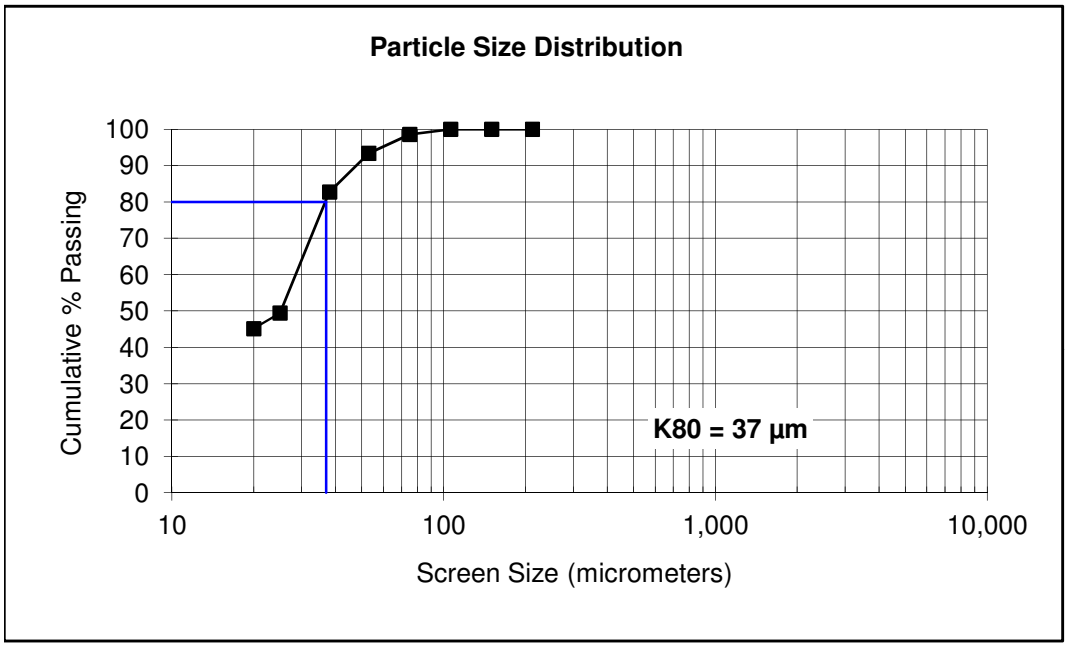
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	2.1	1.3	1.3	98.7
65	212	4.0	2.5	3.9	96.1
100	150	6.8	4.3	8.2	91.8
150	106	13.0	8.2	16.4	83.6
200	75	28.0	17.7	34.1	65.9
270	53	20.8	13.2	47.3	52.7
400	38	12.9	8.2	55.5	44.5
Pan	-38	70.3	44.5	100.0	0.0
Total	**-**	**157.9**	100.0	**-**	**-**
K80	**99**				



Operator	SGS Minerals Services	Project No.
JAY	**Size Distribution Analysis**	**50270-001**

Sample: **COMB CLEANER** Test No.: **F14**

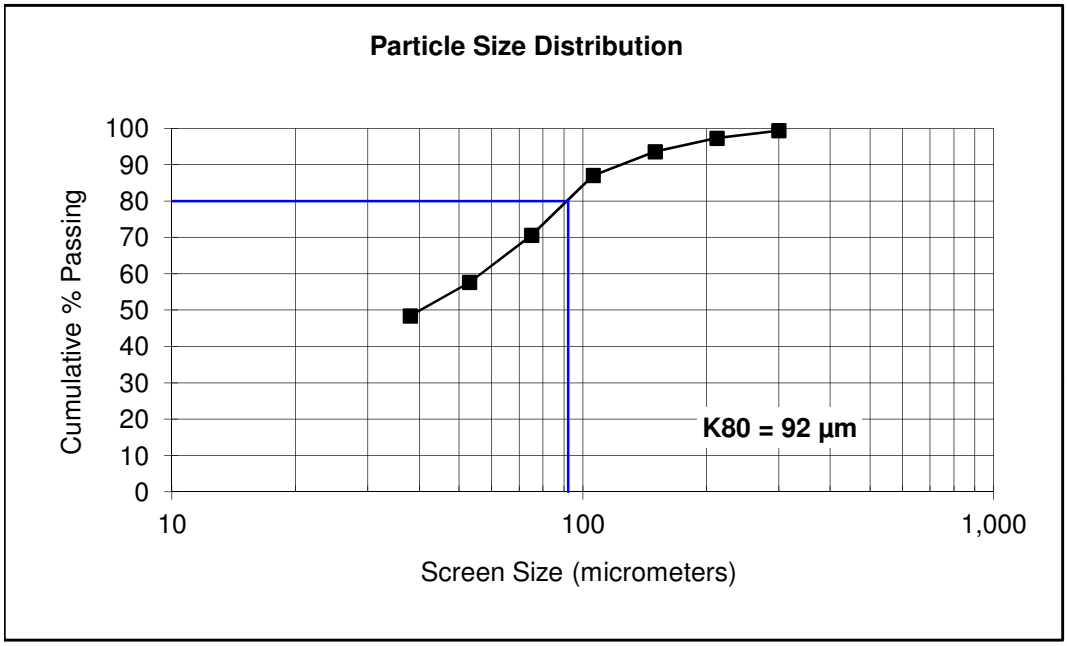
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
65	212	0.0	0.0	0.0	100.0
100	150	0.0	0.0	0.0	100.0
150	106	0.0	0.0	0.0	100.0
200	75	1.7	1.4	1.4	98.6
270	53	6.3	5.2	6.6	93.4
400	38	12.9	10.7	17.3	82.7
500	25	40.3	33.3	50.5	49.5
635	20	5.2	4.3	54.8	45.2
Pan	-20	54.7	45.2	100.0	0.0
Total	**-**	**121.1**	100.0	**-**	**-**
K80	**37**				



Operator	SGS Minerals Services	Project No.
Eliseo	**Size Distribution Analysis**	**50270-001**

Sample: **Ro Tail** Test No.: **F15**

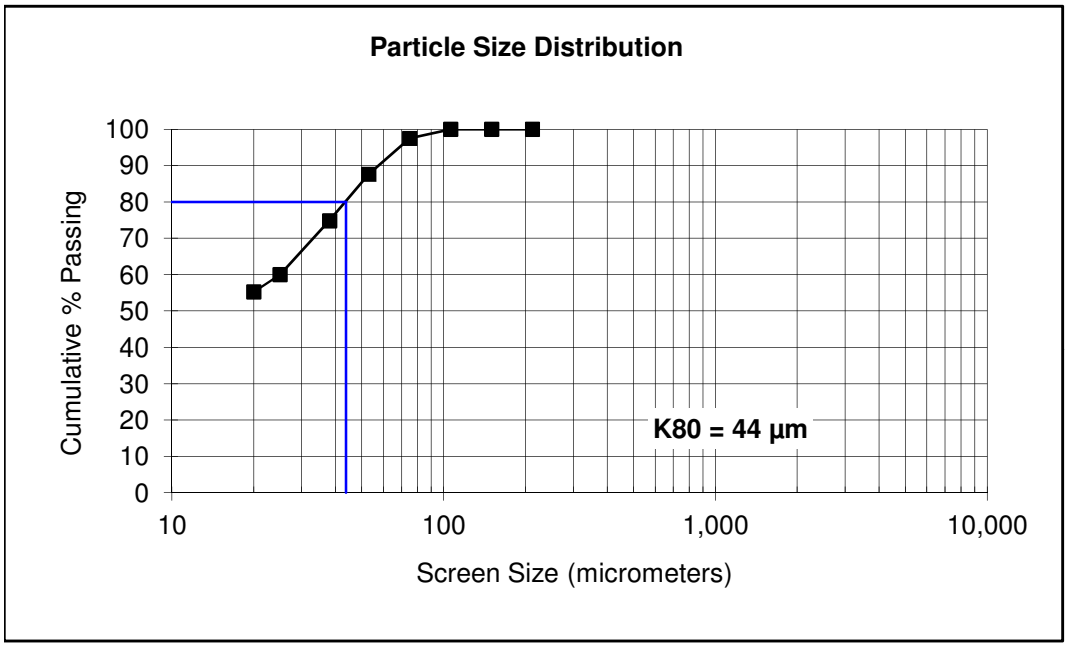
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	1.0	0.6	0.6	99.4
65	212	3.3	2.1	2.7	97.3
100	150	5.8	3.7	6.4	93.6
150	106	10.4	6.6	13.0	87.0
200	75	26.0	16.4	29.4	70.6
270	53	20.5	13.0	42.4	57.6
400	38	14.6	9.2	51.6	48.4
Pan	-38	76.5	48.4	100.0	0.0
Total	**-**	**158.1**	100.0	**-**	**-**
K80	**92**				



Operator	SGS Minerals Services	Project No.
Eliseo	**Size Distribution Analysis**	**50270-001**

Sample: **Comb. Cln. Pro.** Test No.: **F15**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
65	212	0.0	0.0	0.0	100.0
100	150	0.0	0.0	0.0	100.0
150	106	0.0	0.0	0.0	100.0
200	75	1.8	2.5	2.5	97.5
270	53	7.1	9.9	12.4	87.6
400	38	9.2	12.8	25.1	74.9
500	25	10.7	14.9	40.0	60.0
635	20	3.4	4.7	44.7	55.3
Pan	-20	39.8	55.3	100.0	0.0
Total	**-**	**72.0**	100.0	**-**	**-**
K80	**44**				



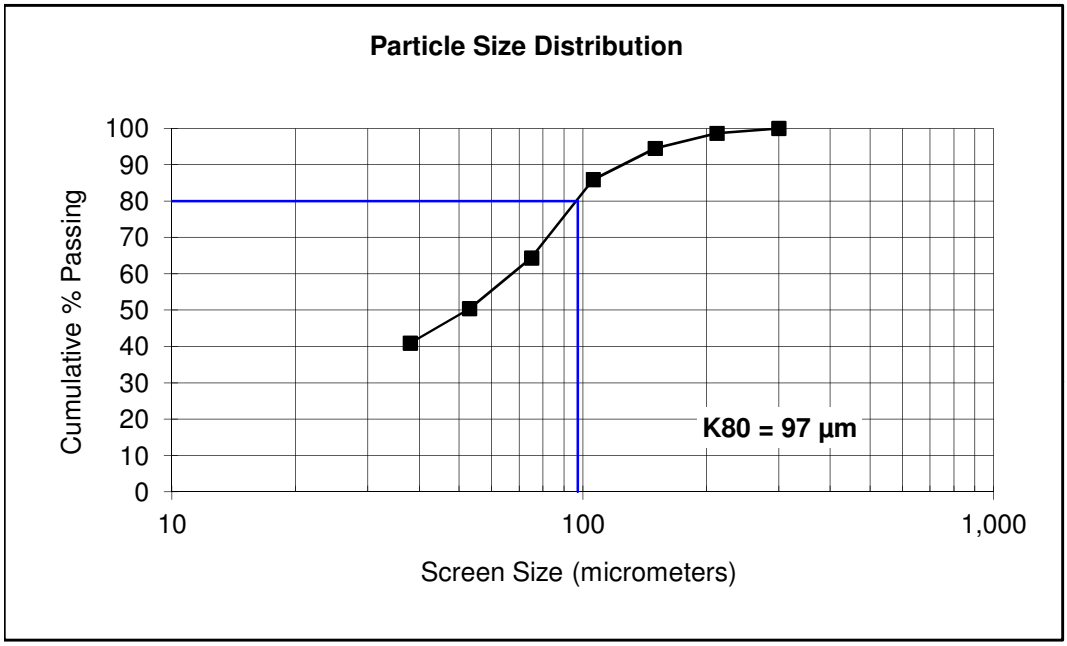
Operator: **Jay**

SGS Minerals Services
Size Distribution Analysis

Project No.: **50270-001**

Sample: **Ro Tail** Test No.: **F16**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	0.0	0.0	0.0	100.0
65	212	2.1	1.4	1.4	98.6
100	150	6.4	4.1	5.5	94.5
150	106	13.3	8.6	14.1	85.9
200	75	33.3	21.5	35.6	64.4
270	53	21.6	14.0	49.6	50.4
400	38	14.7	9.5	59.1	40.9
Pan	-38	63.3	40.9	100.0	0.0
Total	**-**	**154.7**	100.0	**-**	**-**
K80	**97**				



Test ID: L1 **Project:** 50270-001 **Operator:** Kristelle S. **Date:** July 31, 2013

Sample ID: Comp A

Purpose: To evaluate the leach kinetics of Au and Ag using cyanide

Procedure: The feed sample was pulped to 40% solids. The pulp was brought to a pH range of 10.5-11 with lime. Then, 1 g/L of cyanide was added and the pulp was re-agitated. NaCN, pH and DO were monitored over the duration of the test. Intermittent solution samples were removed for CN strength and Au and Ag Assay. At 48h, the termination of the test, the pulp was filtered and the residue washed with fresh water. The final leach solution and the residue were submitted for Au and Ag analysis.

Feed: 1,000 g of Comp A
Pulp Density: 40% solids
Solution Volume: 1,500 mL
Target Bottle Weight: 3,524 g

pH Range: 10.5 - 11 maintained with lime as required.
$Pb(NO_3)_2$ Concentration: 0 g/t
Carbon Concentration: 0.0 g/L
Cyanide Concentration: 1.00 g/L, maintained
Cyanide Purity: 98.9%

Grind: 2 kg for 29 min in #3 mill at 65 % solids

Target K_{80} = 100 µm
Actual K_{80} = 102 µm

PSA on Residue: Y
Duplicate Residue Assay: Y

Bottle #: 11
Bottle Tare: 1024 g

Time (h)	Added (g)				Residual (g)		Consumed (g)		pH	$D.O_2$	Air/ O2	Intermittent Weight (g)	$AgNO_3$		$H_2C_2O_4$
	Actual		Equivalent										Titration (mL)	C.F.	Titration (mL)
	NaCN	$Ca(OH)_2$	NaCN	CaO	NaCN	CaO	NaCN	CaO							
									8.0						
0-2	1.52	1.05	1.50	0.78	1.14	0.00	0.36		10.9	5.9		3522	1.52	1.00	
2-6	0.37	0.00	0.37	0.00	1.34	0.00	0.00		11.3	5.5		3533	1.77	1.00	
6-8	0.22	0.00	0.22	0.00	1.85	0.00	0.00		11.3	4.7		3532	2.44	1.00	
8-24	0.00	0.00	0.00	0.00	1.38	0.00	0.00		11.2	4.4		3524	1.83	1.00	
24-48	0.13	0.00	0.13	0.00	1.31	0.01	0.00	0.00	11.2	6.3		3524	1.74	1.00	0.09
Total	**2.24**	**1.05**	**2.22**	**0.78**	**1.31**	**0.01**	**0.91**	**0.76**							
Total (kg/t of sample feed)			**2.23**	**0.78**			**0.91**	**0.77**							

Cyanidation Results:

Product	Amount (g, mL)	Assays, ppm, g/t			Sample (mg)			Total (mg)				**% Extraction**		
		Au	**Ag**		**Au**	**Ag**		**Au**	**Ag**			**Au**	**Ag**	
8hr PLS	1514	1.85	9.5		0.074	0.381		2.80	14.42			59.0	21.6	
24hr PLS	1506	1.91	12.7		0.076	0.508		2.88	19.14			60.5	28.7	
48hr PLS	1506	1.88	14.2		0.075	0.566		2.83	21.30			59.6	31.9	
Residue	994	1.93	45.7					1.92	45.39			40.4	68.1	
Head (calc.)	994	4.78	67.1											
Head (direct)		5.41	49.8											

Test ID: L2 **Project:** 50270-001 **Operator:** Kristelle S. **Date:** July 31, 2013

Sample ID: Comp B

Purpose: To evaluate the leach kinetics of Au and Ag using cyanide

Procedure: The feed sample was pulped to 40% solids. The pulp was brought to a pH range of 10.5-11 with lime. Then, 1 g/L of cyanide was added and the pulp was re-agitated. NaCN, pH and DO were monitored over the duration of the test. Intermittent solution samples were removed for CN strength and Au and Ag Assay. At 48h, the termination of the test, the pulp was filtered and the residue washed with fresh water. The final leach solution and the residue were submitted for Au and Ag analysis.

Feed: 1,000 g of Comp B
Pulp Density: 40% solids
Solution Volume: 1,500 mL
Target Bottle Weight: 3,529 g

pH Range: 10.5 - 11 maintained with lime as required.
$Pb(NO_3)_2$ Concentration: 0 g/t
Carbon Concentration: 0.0 g/L
Cyanide Concentration: 1.00 g/L, maintained
Cyanide Purity: 98.9%

Grind: 2 kg for 33 min in #3 mill at 65 % solids

Target K_{80} = 100 µm
Actual K_{80} = 103 µm

PSA on Residue: Y
Duplicate Residue Assay: Y

Bottle #: 29
Bottle Tare: 1029 g

Time (h)	Added (g)				Residual (g)		Consumed (g)		pH	$D.O_2$	Air/ O2	Intermittent Weight (g)	$AgNO_3$		$H_2C_2O_4$
	Actual		Equivalent										Titration (mL)	C.F.	Titration (mL)
	NaCN	$Ca(OH)_2$	NaCN	CaO	NaCN	CaO	NaCN	CaO							
									8.6						
0-2	1.52	0.40	1.50	0.30	1.18	0.00	0.32		11.0	4.5		3529	1.57	1.00	
2-6	0.33	0.00	0.33	0.00	1.27	0.00	0.00		10.8	6.1		3524	1.69	1.00	
6-8	0.24	0.00	0.24	0.00	1.73	0.00	0.00		10.8	5.9		3529	2.29	1.00	
8-24	0.00	0.00	0.00	0.00	1.21	0.00	0.00		10.8	4.9		3529	1.61	1.00	
24-48	0.30	0.00	0.30	0.00	1.40	0.00	0.00	0.00	10.8	6.2		3529	1.86	1.00	0.00
Total	**2.39**	**0.40**	**2.36**	**0.30**	**1.40**	**0.00**	**0.96**	**0.30**							
Total (kg/t of sample feed)			**2.38**	**0.30**			**0.97**	**0.30**							

Cyanidation Results:

Product	Amount (g, mL)	Assays, ppm, g/t			Sample (mg)			Total (mg)				**% Extraction**		
		Au	**Ag**		**Au**	**Ag**		**Au**	**Ag**			**Au**	**Ag**	
8hr PLS	1507	2.71	12.6		0.108	0.502		4.08	18.92			78.7	19.9	
24hr PLS	1507	2.75	15.5		0.110	0.618		4.14	23.29			79.8	24.5	
48hr PLS	1507	2.70	17.1		0.108	0.686		4.07	25.83			78.4	27.1	
Residue	993	1.13	69.9					1.12	69.35			21.6	72.9	
Head (calc.)	993	5.23	95.9											
Head (direct)		4.64	79.3											

Test ID: L3 **Project:** 50270-001 **Operator:** Kristelle S. **Date:** July 31, 2013

Sample ID: Comp C

Purpose: To evaluate the leach kinetics of Au and Ag using cyanide

Procedure: The feed sample was pulped to 40% solids. The pulp was brought to a pH range of 10.5-11 with lime. Then, 1 g/L of cyanide was added and the pulp was re-agitated. NaCN, pH and DO were monitored over the duration of the test. Intermittent solution samples were removed for CN strength and Au and Ag Assay. At 48h, the termination of the test, the pulp was filtered and the residue washed with fresh water. The final leach solution and the residue were submitted for Au and Ag analysis.

Feed: 1,000 g of Comp C
Pulp Density: 40% solids
Solution Volume: 1,500 mL
Target Bottle Weight: 3,515 g

pH Range: 10.5 - 11 maintained with lime as required.
$Pb(NO_3)_2$ Concentration: 0 g/t
Carbon Concentration: 0.0 g/L
Cyanide Concentration: 1.00 g/L, maintained
Cyanide Purity: 98.9%

Grind: 2 kg for 30 min in #3 mill at 65 % solids

Target K_{80} = 100 µm
Actual K_{80} = 107 µm

PSA on Residue: Y
Duplicate Residue Assay: Y

Bottle #: 35
Bottle Tare: 1015 g

Time (h)	Added (g)				Residual (g)		Consumed (g)		pH	$D.O_2$	Air/ O2	Intermittent Weight (g)	$AgNO_3$		$H_2C_2O_4$
	Actual		Equivalent										Titration (mL)	C.F.	Titration (mL)
	NaCN	$Ca(OH)_2$	NaCN	CaO	NaCN	CaO	NaCN	CaO							
									8.8						
0-2	1.52	0.43	1.50	0.32	1.04	0.00	0.47		10.8	7.9		3515	1.38	1.00	
2-6	0.47	0.00	0.46	0.00	1.45	0.00	0.00		10.9	5.4		3515	1.93	1.00	
6-8	0.05	0.00	0.05	0.00	1.66	0.00	0.00		10.9	5.6		3515	2.21	1.00	
8-24	0.00	0.00	0.00	0.00	1.48	0.00	0.00		10.9	6.4		3515	1.97	1.00	
24-48	0.02	0.00	0.02	0.00	1.26	0.00	0.00	0.00	10.9	6.9		3516	1.68	1.00	0.00
Total	**2.06**	**0.43**	**2.04**	**0.32**	**1.26**	**0.00**	**0.77**	**0.32**							
Total (kg/t of sample feed)			**2.04**	**0.32**			**0.78**	**0.32**							

Cyanidation Results:

Product	Amount (g, mL)	Assays, ppm, g/t			Sample (mg)			Total (mg)				**% Extraction**		
		Au	**Ag**		**Au**	**Ag**		**Au**	**Ag**			**Au**	**Ag**	
8hr PLS	1503	2.22	15.2		0.089	0.607		3.34	22.82			42.3	10.5	
24hr PLS	1503	2.23	22.8		0.089	0.913		3.35	34.30			42.5	15.8	
48hr PLS	1504	2.18	27.6		0.087	1.102		3.28	41.44			41.6	19.1	
Residue	997	4.62	176.5					4.60	175.95			58.4	80.9	
Head (calc.)	997	7.90	218.1											
Head (direct)		7.02	205.0											

Test ID: L4 **Project:** 50270-001 **Operator:** Kristelle S. **Date:** July 31, 2013

Sample ID: Comp D

Purpose: To evaluate the leach kinetics of Au and Ag using cyanide

Procedure: The feed sample was pulped to 40% solids. The pulp was brought to a pH range of 10.5-11 with lime. Then, 1 g/L of cyanide was added and the pulp was re-agitated. NaCN, pH and DO were monitored over the duration of the test. Intermittent solution samples were removed for CN strength and Au and Ag Assay. At 48h, the termination of the test, the pulp was filtered and the residue washed with fresh water. The final leach solution and the residue were submitted for Au and Ag analysis.

Feed: 1,000 g of Comp D
Pulp Density: 40% solids
Solution Volume: 1,500 mL
Target Bottle Weight: 3,526 g

pH Range: 10.5 - 11 maintained with lime as required.
$Pb(NO_3)_2$ Concentration: 0 g/t
Carbon Concentration: 0.0 g/L
Cyanide Concentration: 1.00 g/L, maintained
Cyanide Purity: 98.9%

Grind: 2 kg for 37 min in #3 mill at 65 % solids

Target K_{80} = 100 µm
Actual K_{80} = 101 µm

PSA on Residue: Y
Duplicate Residue Assay: Y

Bottle #: 42
Bottle Tare: 1026 g

Time (h)	Added (g)				Residual (g)		Consumed (g)		pH	$D.O_2$	Air/ O2	Intermittent Weight (g)	$AgNO_3$		$H_2C_2O_4$
	Actual		Equivalent										Titration (mL)	C.F.	Titration (mL)
	NaCN	$Ca(OH)_2$	NaCN	CaO	NaCN	CaO	NaCN	CaO							
									9.1						
0-2	1.52	0.21	1.50	0.16	1.07	0.00	0.44		10.8	9.5		3524	1.42	1.00	
2-6	0.44	0.23	0.44	0.17	1.45	0.00	0.00		10.8	6.6		3526	1.93	1.00	
6-8	0.05	0.12	0.05	0.09	1.91	0.00	0.00		10.8	5.8		3526	2.53	1.00	
8-24	0.00	0.00	0.00	0.00	1.48	0.00	0.00		10.8	4.9		3525	1.97	1.00	
24-48	0.02	0.00	0.02	0.00	1.38	0.00	0.00	0.00	10.8	6.4		3526	1.83	1.00	0.00
Total	**2.03**	**0.57**	**2.01**	**0.42**	**1.38**	**0.00**	**0.63**	**0.42**							
Total (kg/t of sample feed)			**2.02**	**0.42**			**0.63**	**0.42**							

Cyanidation Results:

Product	Amount (g, mL)	Assays, ppm, g/t			Sample (mg)			Total (mg)				**% Extraction**		
		Au	**Ag**		**Au**	**Ag**		**Au**	**Ag**			**Au**	**Ag**	
8hr PLS	1506	0.74	23.1		0.030	0.924		1.11	34.78			21.0	12.7	
24hr PLS	1505	0.75	44.4		0.030	1.777		1.13	66.88			21.2	24.3	
48hr PLS	1506	0.73	53.5		0.029	2.140		1.10	80.60			20.7	29.3	
Residue	994	4.25	195.5					4.22	194.27			79.3	70.7	
Head (calc.)	994	5.35	276.6											
Head (direct)		5.06	290.0											

Test ID: L5 **Project:** 50270-001 **Operator:** Alex Hall **Date:** August 6, 2013

Sample ID: Comp A Rougher Con

Purpose: To evaluate the leach kinetics of Au and Ag using cyanide

Procedure: The feed sample was pulped to 40% solids. The pulp was brought to a pH range of 10.5-11 with lime. Then, 5 g/L of cyanide was added and the pulp was re-agitated. NaCN, pH and DO were monitored over the duration of the test. Intermittent solution samples were removed for CN strength and Au and Ag Assay. At 48h, the termination of the test, the pulp was filtered and the residue washed with fresh water. The final leach solution and the residue were submitted for Au and Ag analysis.

Feed:	300 g of Comp A Rougher Con	**pH Range:**	10.5 - 11 maintained with lime as required.
Pulp Density:	40% solids	**$Pb(NO_3)_2$ Concentration:**	0 g/t
Solution Volume:	450 mL	**Carbon Concentration:**	0.0 g/L
Target Bottle Weight:	1,268 g	**Cyanide Concentration:**	5.00 g/L, maintained
		Cyanide Purity:	98.9%
Grind:	-		

Target K_{80} =	100	µm	PSA on Residue:	Y	Bottle #:	5		
Actual K_{80} =	96	µm	Duplicate Residue Assay:	Y	Bottle Tare:	518	g	

Time (h)	Added (g)				Residual (g)		Consumed (g)		pH	$D.O_2$	Air/ O2	Intermittent Weight (g)	$AgNO_3$		$H_2C_2O_4$
	Actual		Equivalent										Titration (mL)	C.F.	Titration (mL)
	NaCN	$Ca(OH)_2$	NaCN	CaO	NaCN	CaO	NaCN	CaO							
									8.6						
0-2	2.28	0.11	2.25	0.08	1.83	0.00	0.43		11.1	3.8		1268	8.03	1.00	
2-6	0.45	0.00	0.45	0.00	2.01	0.00	0.00		11.1	3.2		1275	8.72	1.00	
6-8	0.27	0.00	0.27	0.00	2.21	0.00	0.00		11.2	3.8		1288	9.32	1.00	
8-24	0.00	0.00	0.00	0.00	1.66	0.00	0.00		11.2	4.9		1268	7.28	1.00	
24-48	0.62	0.00	0.61	0.00	1.76	0.00	0.00		10.8	6.6		1268	7.72	1.00	
48-72	0.52	0.00	0.51	0.00	1.77	0.04	0.00	0.00	10.8	6.8		1268	7.79	1.00	0.77
Total	**4.14**	**0.11**	**4.09**	**0.08**	**1.77**	**0.04**	**2.32**	**0.04**							
Total (kg/t of sample feed)			**13.87**	**0.27**			**7.87**	**0.15**							

Cyanidation Results:

Product	Amount (g, mL)	Assays, mg/L, g/t, %			Sample (mg)			Total (mg)				**% Extraction**		
		Au	**Ag**		**Au**	**Ag**		**Au**	**Ag**			**Au**	**Ag**	
8hr PLS	475	4.69	28.4		0.188	1.134		2.23	13.46			57.7	17.5	
24hr PLS	455	4.54	36.5		0.182	1.458		2.06	16.58			53.5	21.6	
48hr PLS	455	4.11	41.2		0.164	1.646		1.87	18.72			48.5	24.4	
72hr PLS	455	3.66	42.2		0.146	1.687		1.66	19.18			43.1	25.0	
Residue	295	7.43	195					2.19	57.56			56.9	75.0	
Head (calc.)	295	13.1	260											
Head (direct)		15.5	267											

Test ID: L6 **Project:** 50270-001 **Operator:** Alex Hall **Date:** August 6, 2013

Sample ID: Comp B Rougher Con

Purpose: To evaluate the leach kinetics of Au and Ag using cyanide

Procedure: The feed sample was pulped to 40% solids. The pulp was brought to a pH range of 10.5-11 with lime. Then, 5 g/L of cyanide was added and the pulp was re-agitated. NaCN, pH and DO were monitored over the duration of the test. Intermittent solution samples were removed for CN strength and Au and Ag Assay. At 48h, the termination of the test, the pulp was filtered and the residue washed with fresh water. The final leach solution and the residue were submitted for Au and Ag analysis.

Feed: 300 g of Comp B Rougher Con
Pulp Density: 40% solids
Solution Volume: 450 mL
Target Bottle Weight: 1,269 g

pH Range: 10.5 - 11 maintained with lime as required.
$Pb(NO_3)_2$ Concentration: 0 g/t
Carbon Concentration: 0.0 g/L
Cyanide Concentration: 5.00 g/L, maintained
Cyanide Purity: 98.9%

Grind: -

Target K_{80} = 100 µm
Actual K_{80} = 100 µm

PSA on Residue: Y
Duplicate Residue Assay: Y

Bottle #: 6
Bottle Tare: 519 g

Time (h)	Added (g)				Residual (g)		Consumed (g)		pH	$D.O_2$	Air/ O2	Intermittent Weight (g)	$AgNO_3$		$H_2C_2O_4$
	Actual		Equivalent										Titration (mL)	C.F.	Titration (mL)
	NaCN	$Ca(OH)_2$	NaCN	CaO	NaCN	CaO	NaCN	CaO							
									8.8						
0-2	2.28	0.11	2.25	0.08	1.92	0.00	0.33		11.1	3.3		1269	8.17	1.00	
2-6	0.42	0.00	0.42	0.00	1.89	0.00	0.00		11.4	3.0		1272	8.00	1.00	
6-8	0.45	0.00	0.45	0.00	2.19	0.00	0.00		11.4	3.2		1273	9.22	1.00	
8-24	0.16	0.00	0.16	0.00	1.25	0.00	0.00		11.4	3.6		1268	5.32	1.00	
24-48	1.07	0.00	1.06	0.00	1.42	0.00	0.00		11.5	5.1		1269	6.02	1.00	
48-72	0.91	0.00	0.90	0.00	1.62	0.08	0.00	0.00	11.5	5.9		1269	6.88	1.00	1.70
Total	**5.29**	**0.11**	**5.23**	**0.08**	**1.62**	**0.08**	**3.61**	**0.00**							
Total (kg/t of sample feed)			**18.73**	**0.29**			**12.93**	**0.00**							

Cyanidation Results:

Product	Amount (g, mL)	Assays, mg/L, g/t, %			Sample (mg)			Total (mg)				**% Extraction**		
		Au	**Ag**		**Au**	**Ag**		**Au**	**Ag**			**Au**	**Ag**	
8hr PLS	475	4.98	41.1		0.199	1.643		2.36	19.50			62.7	17.6	
24hr PLS	470	4.98	55.7		0.199	2.226		2.34	26.14			62.0	23.6	
48hr PLS	471	4.40	63.4		0.176	2.534		2.07	29.82			54.9	26.9	
72hr PLS	471	3.92	67.4		0.157	2.695		1.85	31.72			48.9	28.6	
Residue	279	6.90	284					1.93	79.18			51.1	71.4	
Head (calc.)	279	13.5	397											
Head (direct)		14.6	356											

Test ID: L7 **Project:** 50270-001 **Operator:** Alex Hall **Date:** August 6, 2013

Sample ID: Comp C Rougher Con

Purpose: To evaluate the leach kinetics of Au and Ag using cyanide

Procedure: The feed sample was pulped to 40% solids. The pulp was brought to a pH range of 10.5-11 with lime. Then, 5 g/L of cyanide was added and the pulp was re-agitated. NaCN, pH and DO were monitored over the duration of the test. Intermittent solution samples were removed for CN strength and Au and Ag Assay. At 48h, the termination of the test, the pulp was filtered and the residue washed with fresh water. The final leach solution and the residue were submitted for Au and Ag analysis.

Feed:	300 g of Comp C Rougher Con	**pH Range:**	10.5 - 11 maintained with lime as required.
Pulp Density:	40% solids	**$Pb(NO_3)_2$ Concentration:**	0 g/t
Solution Volume:	450 mL	**Carbon Concentration:**	0.0 g/L
Target Bottle Weight:	1,270 g	**Cyanide Concentration:**	5.00 g/L, maintained
		Cyanide Purity:	98.9%
Grind:	-		

Target K_{80} =	100	µm	PSA on Residue:	Y	Bottle #:	7		
Actual K_{80} =	100	µm	Duplicate Residue Assay:	Y	Bottle Tare:	520	g	

Time (h)	Added (g)				Residual (g)		Consumed (g)		pH	$D.O_2$	Air/ O2	Intermittent Weight (g)	$AgNO_3$		$H_2C_2O_4$
	Actual		Equivalent										Titration (mL)	C.F.	Titration (mL)
	NaCN	$Ca(OH)_2$	NaCN	CaO	NaCN	CaO	NaCN	CaO							
									8.8						
0-2	2.28	0.09	2.25	0.07	2.07	0.00	0.19		11.3	3.8		1270	9.11	1.00	
2-6	0.21	0.00	0.21	0.00	2.10	0.00	0.00		11.4	3.8		1277	9.12	1.00	
6-8	0.17	0.00	0.17	0.00	2.26	0.00	0.00		11.0	3.6		1278	9.78	1.00	
8-24	0.00	0.00	0.00	0.00	1.82	0.00	0.00		10.9	6.3		1270	8.04	1.00	
24-48	0.45	0.00	0.45	0.00	1.94	0.00	0.00		11.0	7.2		1270	8.56	1.00	
48-72	0.33	0.00	0.33	0.00	1.93	0.05	0.00	0.00	11.1	6.2		1270	8.49	1.00	1.05
Total	**3.44**	**0.09**	**3.40**	**0.07**	**1.93**	**0.05**	**1.48**	**0.02**							
Total (kg/t of sample feed)			**11.49**	**0.23**			**4.98**	**0.07**							

Cyanidation Results:

Product	Amount (g, mL)	Assays, mg/L, g/t, %			Sample (mg)			Total (mg)				**% Extraction**		
		Au	**Ag**		**Au**	**Ag**		**Au**	**Ag**			**Au**	**Ag**	
8hr PLS	462	4.69	42.5		0.188	1.700		2.17	19.62			41.3	12.7	
24hr PLS	454	4.39	57.4		0.176	2.296		1.99	26.05			38.0	16.9	
48hr PLS	454	3.93	64.6		0.157	2.584		1.78	29.32			34.0	19.0	
72hr PLS	454	3.56	63.9		0.142	2.554		1.62	28.98			30.8	18.7	
Residue	296	12.3	424					3.63	125.59			69.2	81.3	
Head (calc.)	296	17.7	522											
Head (direct)		19.9	467											

Test ID: L8 **Project:** 50270-001 **Operator:** Alex Hall **Date:** August 6, 2013

Sample ID: Comp D Rougher Con

Purpose: To evaluate the leach kinetics of Au and Ag using cyanide

Procedure: The feed sample was pulped to 40% solids. The pulp was brought to a pH range of 10.5-11 with lime. Then, 5 g/L of cyanide was added and the pulp was re-agitated. NaCN, pH and DO were monitored over the duration of the test. Intermittent solution samples were removed for CN strength and Au and Ag Assay. At 48h, the termination of the test, the pulp was filtered and the residue washed with fresh water. The final leach solution and the residue were submitted for Au and Ag analysis.

Feed:	300 g of Comp D Rougher Con	**pH Range:**	10.5 - 11 maintained with lime as required.
Pulp Density:	40% solids	**$Pb(NO_3)_2$ Concentration:**	0 g/t
Solution Volume:	450 mL	**Carbon Concentration:**	0.0 g/L
Target Bottle Weight:	1,268 g	**Cyanide Concentration:**	5.00 g/L, maintained
		Cyanide Purity:	98.9%
Grind:	-		

Target K_{80} =	100	µm	PSA on Residue:	Y	Bottle #:	8		
Actual K_{80} =	101	µm	Duplicate Residue Assay:	Y	Bottle Tare:	518	g	

Time (h)	Added (g)				Residual (g)		Consumed (g)		pH	$D.O_2$	Air/ O2	Intermittent Weight (g)	$AgNO_3$		$H_2C_2O_4$
	Actual		Equivalent										Titration (mL)	C.F.	Titration (mL)
	NaCN	$Ca(OH)_2$	NaCN	CaO	NaCN	CaO	NaCN	CaO							
									9.0						
0-2	2.28	0.11	2.25	0.08	2.04	0.00	0.21		11.1	4.3		1267	9.08	1.00	
2-6	0.22	0.00	0.22	0.00	2.11	0.00	0.00		11.3	3.4		1278	9.14	1.00	
6-8	0.15	0.00	0.15	0.00	2.21	0.00	0.00		11.3	3.7		1278	9.56	1.00	
8-24	0.00	0.00	0.00	0.00	1.83	0.00	0.00		11.3	6.1		1269	8.08	1.00	
24-48	0.44	0.00	0.44	0.00	1.99	0.00	0.00		11.5	7.1		1268	8.80	1.00	
48-72	0.28	0.00	0.28	0.00	1.95	0.00	0.00	0.00	11.1	6.3		1269	8.60	1.00	0.00
Total	**3.37**	**0.11**	**3.33**	**0.08**	**1.95**	**0.00**	**1.39**	**0.08**							
Total (kg/t of sample feed)			**11.16**	**0.28**			**4.65**	**0.28**							

Cyanidation Results:

Product	Amount (g, mL)	Assays, mg/L, g/t, %			Sample (mg)			Total (mg)				**% Extraction**		
		Au	**Ag**		**Au**	**Ag**		**Au**	**Ag**			**Au**	**Ag**	
8hr PLS	461	2.48	30.6		0.099	1.226		1.14	14.14			14.6	3.1	
24hr PLS	452	2.40	37.2		0.096	1.488		1.09	16.82			13.8	3.7	
48hr PLS	451	2.21	42.3		0.088	1.691		1.00	19.09			12.7	4.2	
72hr PLS	452	2.00	44.4		0.080	1.777		0.90	20.10			11.5	4.4	
Residue	299	23.3	1450					6.96	432.97			88.5	95.6	
Head (calc.)	299	26.3	1517											
Head (direct)		26.1	1670											

Test ID: L9 **Project:** 50270-001 **Operator:** Alex Hall **Date:** February 23, 2014

Sample ID: Comp C Py Rougher Con (F16)

Purpose: To evaluate the leach kinetics of Au and Ag using cyanide

Procedure: The feed sample was pulped to 40% solids and pre-aerated for 24 hours. The pulp was brought to a pH range of 10.5-11 with lime. Then, 10 g/L of cyanide was added and the pulp was re-agitated. NaCN, pH and DO were monitored over the duration of the test. Intermittent solution samples were removed for CN strength and Au and Ag Assay. At 96h, the termination of the test, the pulp was filtered and the residue washed with fresh water. The final leach solution and the residue were submitted for Au and Ag analysis.

Feed:	623 g of Comp C Py Rougher Con (F16)	**pH Range:**	10.5 - 11 maintained with lime as required.
Pulp Density:	42% solids	**$Pb(NO_3)_2$ Concentration:**	0 g/t
Solution Volume:	877 mL	**Carbon Concentration:**	0.0 g/L
Target Bottle Weight:	2,515 g	**Cyanide Concentration:**	10.00 g/L, maintained
		Cyanide Purity:	98.9%

Grind: -

Target K_{80} =	100	µm	PSA on Residue:	Y	Bottle #:	L9	
Actual K_{80} =	97	µm	Duplicate Residue Assay:	Y	Bottle Tare:	1015	g

Time (h)	Added (g)				Residual (g)		Consumed (g)		pH	$D.O_2$	Air/ O2	Intermittent Weight (g)	$AgNO_3$ Titration (mL)	C.F.	$H_2C_2O_4$ Titration (mL)
	Actual		Equivalent												
	NaCN	$Ca(OH)_2$	NaCN	CaO	NaCN	CaO	NaCN	CaO							
Pre-aeration (24)									8.0		A				
0									8.1		A				
0-2	9.10	0.30	9.00	0.22	0.00	0.00	9.00		10.9	9.0	A	2546	3.87	1.05	
2-6	0.00	0.00	0.00	0.00	0.00	0.00	0.00		11.0	8.6	A	2514	3.06	1.05	
6-8	1.80	0.00	1.78	0.00	0.00	0.00	1.78		11.3	8.9	A	2514	3.49	1.05	
8-24	0.76	0.00	0.75	0.00	0.00	0.00	0.75		11.2	8.1	A	2519	2.67	1.05	
24-48	2.69	0.00	2.66	0.00	0.00	0.00	2.66		11.3	8.5	A	2487	2.39	1.05	
48-72	3.53	0.00	3.49	0.00	0.00	0.00	3.49		10.8	7.4	A	2487	2.92	1.05	
72-96	2.30	0.00	2.27	0.00	0.00	0.00	2.27	0.00	10.9	7.6	A	2463	2.32	1.05	0.00
Total	**20.18**	**0.30**	**19.96**	**0.22**	**0.00**	**0.00**	**19.96**	**0.22**							
Total (kg/t of sample feed)			**32.04**	**0.36**			**32.04**	**0.36**							

Note: 40 mL PLS removed at 2h, 6h

Cyanidation Results:

Product	Amount (g, mL)	Assays, mg/L, g/t, %			Sample (mg)			Total (mg)				**% Extraction**		
		Au	**Ag**		**Au**	**Ag**		**Au**	**Ag**			**Au**	**Ag**	
8hr PLS	876	1.148	20.570		0.046	0.823		1.01	18.02			14.0	29.4	
24hr PLS	881	1.471	29.090		0.059	1.164		1.30	25.63			18.1	41.8	
48hr PLS	849	1.461	34.220		0.058	1.369		1.24	29.05			17.3	47.4	
72hr PLS	849	1.372	39.190		0.055	1.568		1.16	33.27			16.2	54.3	
96hr PLS	825	1.412	40.910		0.056	1.636		1.16	33.75			16.2	55.1	
Residue	623	9.6	44.2					6.01	27.54			83.8	44.9	
Head (calc.)	623	11.5	98											
Head (direct)		9.8	87											

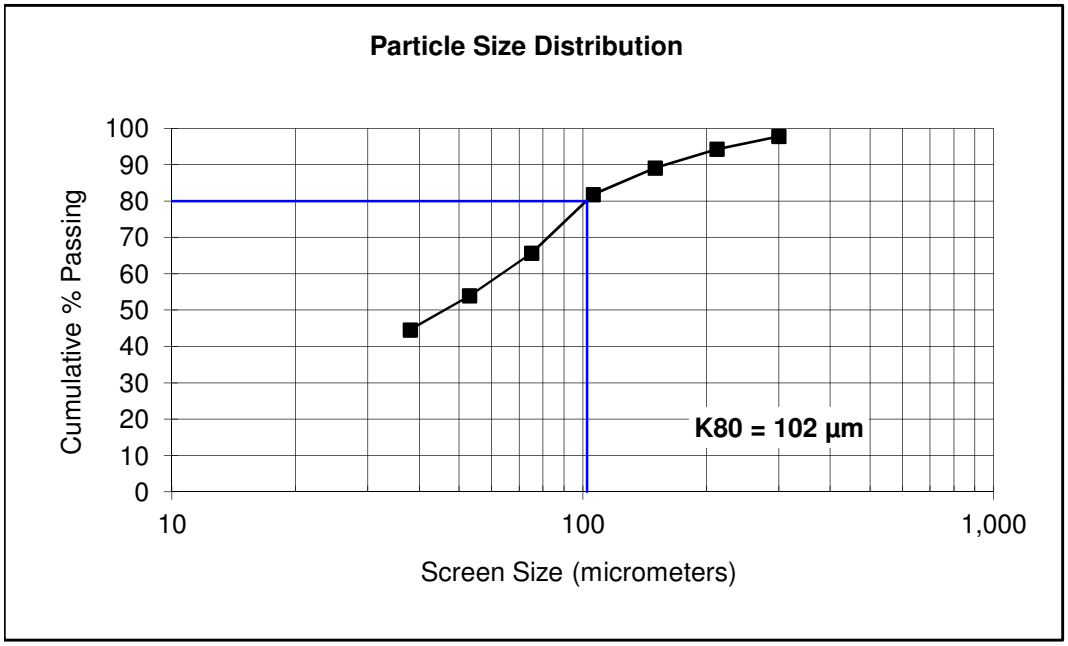
Operator **AY**

SGS Minerals Services
Size Distribution Analysis

Project No. **50270-001**

Sample: **48hr residue** Test No.: **L1**

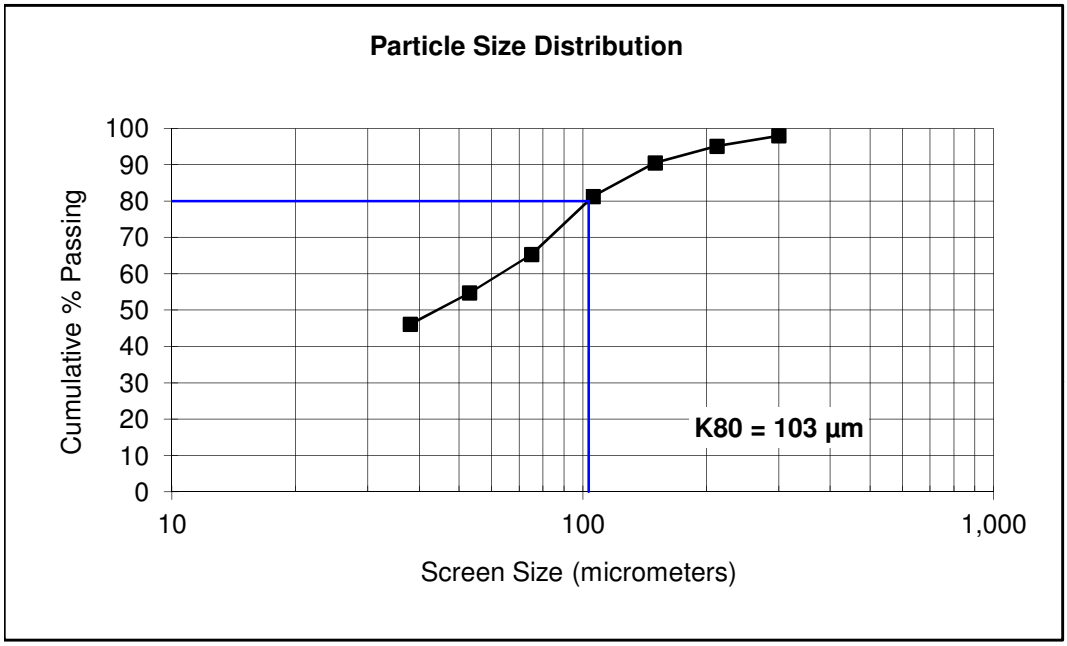
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	3.2	2.2	2.2	97.8
65	212	5.0	3.5	5.7	94.3
100	150	7.4	5.2	10.9	89.1
150	106	10.5	7.3	18.2	81.8
200	75	23.1	16.1	34.3	65.7
270	53	16.8	11.7	46.1	53.9
400	38	13.4	9.4	55.4	44.6
Pan	-38	63.9	44.6	100.0	0.0
Total	**-**	**143.3**	100.0	**-**	**-**
K80	**102**				



Operator	SGS Minerals Services	Project No.
AY	**Size Distribution Analysis**	**50270-001**

Sample: **48hr residue** Test No.: **L2**

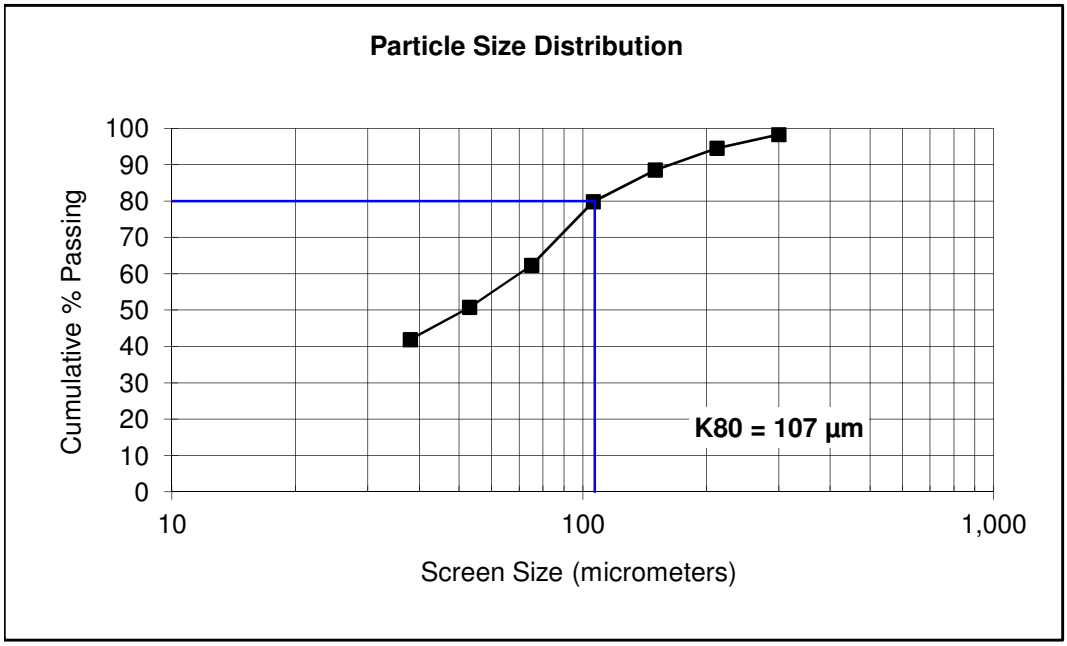
Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	3.2	2.0	2.0	98.0
65	212	4.5	2.9	4.9	95.1
100	150	7.2	4.6	9.5	90.5
150	106	14.5	9.2	18.7	81.3
200	75	25.1	16.0	34.7	65.3
270	53	16.6	10.6	45.3	54.7
400	38	13.6	8.7	53.9	46.1
Pan	-38	72.4	46.1	100.0	0.0
Total	**-**	**157.1**	100.0	**-**	**-**
K80	**103**				



Operator	SGS Minerals Services	Project No.
AY	**Size Distribution Analysis**	**50270-001**

Sample: **48hr residue** Test No.: **L3**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	2.8	1.7	1.7	98.3
65	212	6.2	3.8	5.5	94.5
100	150	9.8	6.0	11.5	88.5
150	106	14.3	8.7	20.2	79.8
200	75	28.7	17.5	37.7	62.3
270	53	18.9	11.5	49.2	50.8
400	38	14.6	8.9	58.1	41.9
Pan	-38	68.6	41.9	100.0	0.0
Total	**-**	**163.9**	100.0	**-**	**-**
K80	**107**				



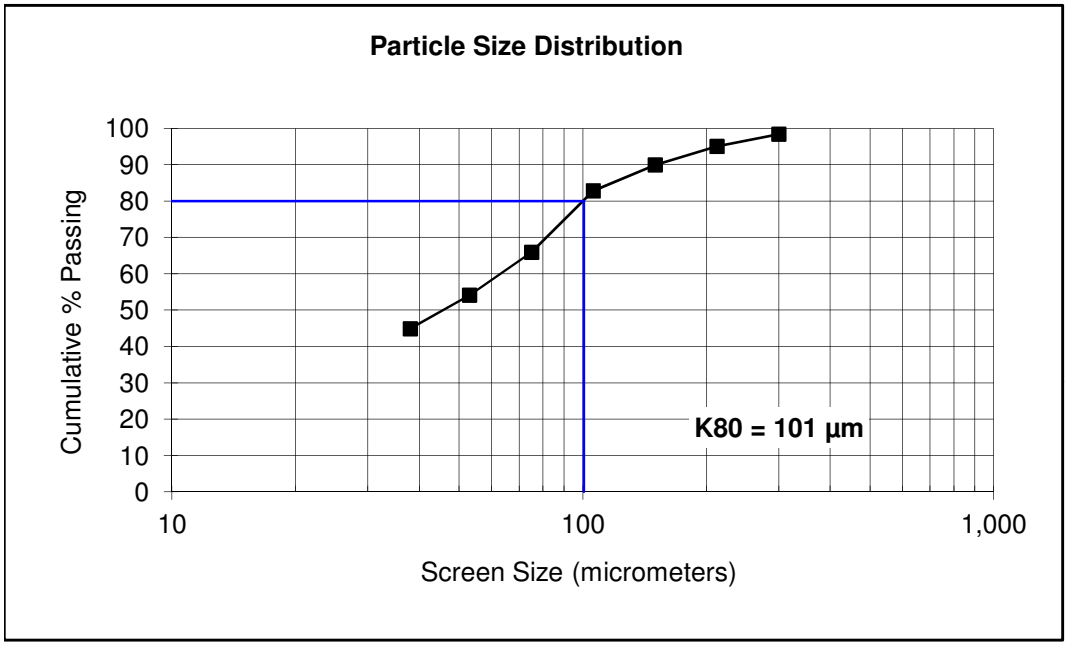
Operator **AY**

SGS Minerals Services
Size Distribution Analysis

Project No. **50270-001**

Sample: **48hr residue** Test No.: **L4**

Size		Weight	% Retained		% Passing
Mesh	µm	grams	Individual	Cumulative	Cumulative
48	300	2.4	1.6	1.6	98.4
65	212	5.0	3.4	5.0	95.0
100	150	7.6	5.1	10.1	89.9
150	106	10.6	7.1	17.2	82.8
200	75	25.2	16.9	34.1	65.9
270	53	17.6	11.8	45.9	54.1
400	38	13.8	9.3	55.1	44.9
Pan	-38	66.9	44.9	100.0	0.0
Total	**-**	**149.1**	100.0	**-**	**-**
K80	**101**				



Appendix C – Chemical Analysis

Certificate of Analysis

Work Order : VC130657 [Revision ~REPORT]

[Report File No.: 0000000153]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: Apr 04, 2013

P.O. No.	:	PO: 50270-001 / TEST: Head Assay
Project No.	:	50270-001
No. Of Samples	:	4
Date Submitted	:	Apr 02, 2013
Report Comprises	:	Pages 1 to 5 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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SGS

Final : VC130657 [Revision ~REPORT] Order: PO: 50270-001 / TEST: Head Assay

Report File No.: 0000000153

Element	Ag@	Au	S	As	Fe	Al	As	Ba	Be	Ca
Method	AAS42E	FAA303	GC_CSA0	ICP90Q	ICP90Q	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A
Det.Lim.	0.3	0.01	6V	0.01	0.01	0.01	30	10	5	0.1
Units	g/t	g/t	0.01	%	%	%	ppm	ppm	ppm	%
Comp A	N.A.	N.A.	N.A.	N.A.	N.A.	5.94	4710	1000	7	1.5
Comp B	N.A.	N.A.	N.A.	N.A.	N.A.	5.55	3530	1750	6	1.7
Comp C	N.A.	N.A.	N.A.	N.A.	N.A.	3.70	20500	1390	6	2.2
Comp D	290	5.06	4.88	0.901	4.944	5.48	8400	1590	6	2.0

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Final : VC130657 [Revision ~REPORT] Order: PO: 50270-001 / TEST: Head Assay

Report File No.: 0000000153

Element	Cd	Cr	Co	Cu	Fe	K	La	Li	Mg	Mn
Method	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A
Det.Lim.	10	10	10	10	0.01	0.1	10	10	0.01	10
Units	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm
Comp A	40	60	<10	2300	9.53	2.6	30	20	0.80	1590
Comp B	100	70	20	2200	8.94	2.5	40	20	0.76	1200
Comp C	290	70	30	1710	12.2	1.6	10	10	0.88	3560
Comp D	200	60	10	800	5.60	2.3	20	30	0.74	4930

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Final : VC130657 [Revision ~REPORT] Order: PO: 50270-001 / TEST: Head Assay

Report File No.: 0000000153

Element	Mo	Ni	P	Pb	Sb	Sc	Sn	Sr	Ti	V
Method	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A
Det.Lim.	10	10	0.01	20	50	5	50	10	0.01	10
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Comp A	<10	<10	0.04	5940	100	16	<50	90	0.19	70
Comp B	<10	<10	0.04	4990	210	16	<50	80	0.18	60
Comp C	<10	<10	0.03	15600	450	8	<50	100	0.12	50
Comp D	<10	<10	0.04	26500	680	16	<50	120	0.18	60

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Final : VC130657 [Revision ~REPORT] Order: PO: 50270-001 / TEST: Head Assay

Report File No.: 0000000153

Element	W	Y	Zn
Method	ICP90A	ICP90A	ICP90A
Det.Lim.	50	5	10
Units	ppm	ppm	ppm
Comp A	140	16	1880
Comp B	140	15	5880
Comp C	180	8	21400
Comp D	90	12	12800

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate of Analysis

Work Order : VC130749

[Report File No.: 0000000305]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: Apr 18, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-1 Pass 1
Project No.	:	50270-001
No. Of Samples	:	22
Date Submitted	:	Apr 11, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :
Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC130749 Order: PO: 50270-001 / TEST: EGRG-1 Pass 1

Report File No.: 0000000305

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	Au FAG323 0.03 g/t	Ag FAG323 5 g/t
EGRG-1 Pass 1 Conc. +600	N.A.	N.A.	24.1	<5
EGRG-1 Pass 1 Conc. +425	N.A.	N.A.	137	512
EGRG-1 Pass 1 Conc. +300	N.A.	N.A.	62.7	639
EGRG-1 Pass 1 Conc. +212	N.A.	N.A.	59.9	764
EGRG-1 Pass 1 Conc. +150	N.A.	N.A.	65.6	888
EGRG-1 Pass 1 Conc. +106	N.A.	N.A.	94.0	1290
EGRG-1 Pass 1 Conc. +75	N.A.	N.A.	164	1560
EGRG-1 Pass 1 Conc. +53	N.A.	N.A.	309	1530
EGRG-1 Pass 1 Conc. +38	N.A.	N.A.	569	1020
EGRG-1 Pass 1 Conc. +25	N.A.	N.A.	975	758
EGRG-1 Pass 1 Conc. -25	N.A.	N.A.	2060	21000
EGRG-1 Pass 1 Tail +600	17.0	2.16	N.A.	N.A.
EGRG-1 Pass 1 Tail +425	19.3	2.15	N.A.	N.A.
EGRG-1 Pass 1 Tail +300	24.1	2.79	N.A.	N.A.
EGRG-1 Pass 1 Tail +212	27.0	3.70	N.A.	N.A.
EGRG-1 Pass 1 Tail +150	31.7	3.13	N.A.	N.A.
EGRG-1 Pass 1 Tail +106	37.3	3.72	N.A.	N.A.
EGRG-1 Pass 1 Tail +75	48.5	4.08	N.A.	N.A.
EGRG-1 Pass 1 Tail +53	65.1	4.18	N.A.	N.A.
EGRG-1 Pass 1 Tail +38	99.2	4.70	N.A.	N.A.
EGRG-1 Pass 1 Tail +25	123	4.96	N.A.	N.A.
EGRG-1 Pass 1 Tail -25	108	3.16	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130816

[Report File No.: 0000000348]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: Apr 23, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-1 Pass 2
Project No.	:	50270-001
No. Of Samples	:	18
Date Submitted	:	Apr 18, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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SGS

Final : VC130816 Order: PO: 50270-001 / TEST: EGRG-1 Pass 2

Report File No.: 0000000348

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	Au FAG323 0.03 g/t	Ag FAG323 5 g/t
EGRG-1 Pass 2 Conc. +300	N.A.	N.A.	21.3	<5
EGRG-1 Pass 2 Conc. +212	N.A.	N.A.	67.6	459
EGRG-1 Pass 2 Conc. +150	N.A.	N.A.	51.5	855
EGRG-1 Pass 2 Conc. +106	N.A.	N.A.	57.5	1130
EGRG-1 Pass 2 Conc. +75	N.A.	N.A.	75.0	1440
EGRG-1 Pass 2 Conc. +53	N.A.	N.A.	114	1580
EGRG-1 Pass 2 Conc. +38	N.A.	N.A.	209	1290
EGRG-1 Pass 2 Conc. +25	N.A.	N.A.	571	1650
EGRG-1 Pass 2 Conc. -25	N.A.	N.A.	2400	2520
EGRG-1 Pass 2 Tail +300	15.5	1.41	N.A.	N.A.
EGRG-1 Pass 2 Tail +212	21.2	2.80	N.A.	N.A.
EGRG-1 Pass 2 Tail +150	28.5	4.10	N.A.	N.A.
EGRG-1 Pass 2 Tail +106	37.5	3.76	N.A.	N.A.
EGRG-1 Pass 2 Tail +75	42.9	4.00	N.A.	N.A.
EGRG-1 Pass 2 Tail +53	58.3	4.10	N.A.	N.A.
EGRG-1 Pass 2 Tail +38	77.8	3.75	N.A.	N.A.
EGRG-1 Pass 2 Tail +25	90.2	4.22	N.A.	N.A.
EGRG-1 Pass 2 Tail -25	92.5	2.94	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130874

[Report File No.: 0000000472]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: May 01, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-1 Pass 3
Project No.	:	50270-001
No. Of Samples	:	15
Date Submitted	:	Apr 25, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC130874 Order: PO: 50270-001 / TEST: EGRG-1 Pass 3

Report File No.: 0000000472

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	Au FAG323 0.03 g/t	Ag FAG323 5 g/t
EGRG-1 Pass 3 Conc. +212	N.A.	N.A.	16.3	441
EGRG-1 Pass 3 Conc. +150	N.A.	N.A.	24.0	109
EGRG-1 Pass 3 Conc. +106	N.A.	N.A.	43.0	361
EGRG-1 Pass 3 Conc. +75	N.A.	N.A.	50.0	638
EGRG-1 Pass 3 Conc. +53	N.A.	N.A.	62.4	519
EGRG-1 Pass 3 Conc. +38	N.A.	N.A.	88.7	723
EGRG-1 Pass 3 Conc. +25	N.A.	N.A.	182	1060
EGRG-1 Pass 3 Conc. -25	N.A.	N.A.	704	1890
EGRG-1 Pass 3 Tail +150	17.5	2.25	N.A.	N.A.
EGRG-1 Pass 3 Tail +106	24.1	3.30	N.A.	N.A.
EGRG-1 Pass 3 Tail +75	31.2	3.79	N.A.	N.A.
EGRG-1 Pass 3 Tail +53	44.1	3.93	N.A.	N.A.
EGRG-1 Pass 3 Tail +38	63.1	4.13	N.A.	N.A.
EGRG-1 Pass 3 Tail +25	78.6	4.24	N.A.	N.A.
EGRG-1 Pass 3 Tail -25	87.2	2.51	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130727

[Report File No.: 0000000273]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: Apr 16, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-2 Pass 1
Project No.	:	50270-001
No. Of Samples	:	22
Date Submitted	:	Apr 09, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Comments:

Sample # 1Conc. +425 was lost during fire Assay.

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

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SGS

Final : VC130727 Order: PO: 50270-001 / TEST: EGRG-2 Pass 1

Report File No.: 0000000273

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	Au FAG323 0.03 g/t	Ag FAG323 5 g/t
Pass 1 Conc +600	N.A.	N.A.	15.8	207
Pass 1 Conc +425	N.A.	N.A.	N.A.	N.A.
Pass 1 Conc +300	N.A.	N.A.	186	548
Pass 1 Conc +212	N.A.	N.A.	216	798
Pass 1 Conc +150	N.A.	N.A.	252	1130
Pass 1 Conc +106	N.A.	N.A.	274	1530
Pass 1 Conc +75	N.A.	N.A.	201	<5
Pass 1 Conc +53	N.A.	N.A.	960	1980
Pass 1 Conc +38	N.A.	N.A.	1050	1810
Pass 1 Conc +25	N.A.	N.A.	1460	1980
Pass 1 Conc -25	N.A.	N.A.	15100	817
Pass 1 Tail +600	60.5	5.10	N.A.	N.A.
Pass 1 Tail +425	89.3	5.13	N.A.	N.A.
Pass 1 Tail +300	91.1	11.4	N.A.	N.A.
Pass 1 Tail +212	88.4	6.26	N.A.	N.A.
Pass 1 Tail +150	89.6	6.16	N.A.	N.A.
Pass 1 Tail +106	96.8	6.19	N.A.	N.A.
Pass 1 Tail +75	114	5.82	N.A.	N.A.
Pass 1 Tail +53	154	5.47	N.A.	N.A.
Pass 1 Tail +38	164	6.49	N.A.	N.A.
Pass 1 Tail +25	188	6.05	N.A.	N.A.
Pass 1 Tail -25	149	2.67	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130728

[Report File No.: 0000000285]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: Apr 17, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-2 Pass 2
Project No.	:	50270-001
No. Of Samples	:	19
Date Submitted	:	Apr 09, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :
Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

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I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

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Final : VC130728 Order: PO: 50270-001 / TEST: EGRG-2 Pass 2

Report File No.: 0000000285

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	Au FAG323 0.03 g/t	Ag FAG323 5 g/t
Pass 2 Conc +425	N.A.	N.A.	194	177
Pass 2 Conc +300	N.A.	N.A.	3500	737
Pass 2 Conc +212	N.A.	N.A.	370	313
Pass 2 Conc +150	N.A.	N.A.	285	626
Pass 2 Conc +106	N.A.	N.A.	185	812
Pass 2 Conc +75	N.A.	N.A.	189	1190
Pass 2 Conc +53	N.A.	N.A.	242	949
Pass 2 Conc +38	N.A.	N.A.	399	868
Pass 2 Conc +25	N.A.	N.A.	810	1390
Pass 2 Conc -25	N.A.	N.A.	3410	1770
Pass 2 Tail +300	16.2	1.35	N.A.	N.A.
Pass 2 Tail +212	24.4	1.66	N.A.	N.A.
Pass 2 Tail +150	39.8	3.24	N.A.	N.A.
Pass 2 Tail +106	59.0	3.93	N.A.	N.A.
Pass 2 Tail +75	71.3	4.61	N.A.	N.A.
Pass 2 Tail +53	89.1	4.24	N.A.	N.A.
Pass 2 Tail +38	120	3.93	N.A.	N.A.
Pass 2 Tail +25	133	4.32	N.A.	N.A.
Pass 2 Tail -25	133	2.51	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130729

[Report File No.: 0000000284]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: Apr 17, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-2 Pass 3
Project No.	:	50270-001
No. Of Samples	:	16
Date Submitted	:	Apr 09, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Comments:

Sample Pass 3 Conc. -25 was lost during fire assay.

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

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n.a.	= Not applicable	--	= No result

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Final : VC130729 Order: PO: 50270-001 / TEST: EGRG-2 Pass 3

Report File No.: 0000000284

Element	Ag@	Au	Au	Ag
Method	AAS42E	FAA303	FAG323	FAG323
Det.Lim.	0.3	0.01	0.03	5
Units	g/t	g/t	g/t	g/t
Pass 3 Conc +212	N.A.	N.A.	59.2	<5
Pass 3 Conc +150	N.A.	N.A.	50.6	89
Pass 3 Conc +106	N.A.	N.A.	63.0	426
Pass 3 Conc +75	N.A.	N.A.	76.8	613
Pass 3 Conc +53	N.A.	N.A.	92.3	486
Pass 3 Conc +38	N.A.	N.A.	156	1020
Pass 3 Conc +25	N.A.	N.A.	333	947
Pass 3 Conc -25	N.A.	N.A.	N.A.	N.A.
Pass 3 Tail +212	26.5	1.33	N.A.	N.A.
Pass 3 Tail +150	20.7	1.80	N.A.	N.A.
Pass 3 Tail +106	34.8	2.74	N.A.	N.A.
Pass 3 Tail +75	50.2	3.81	N.A.	N.A.
Pass 3 Tail +53	78.9	4.03	N.A.	N.A.
Pass 3 Tail +38	104	3.74	N.A.	N.A.
Pass 3 Tail +25	118	3.86	N.A.	N.A.
Pass 3 Tail -25	118	2.55	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130750

[Report File No.: 0000000315]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: Apr 18, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-3 Pass 1
Project No.	:	50270-001
No. Of Samples	:	22
Date Submitted	:	Apr 11, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC130750 Order: PO: 50270-001 / TEST: EGRG-3 Pass 1

Report File No.: 0000000315

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	Au FAG323 0.03 g/t	Ag FAG323 5 g/t
EGRG-3 Pass 1 Conc. +600	N.A.	N.A.	20.1	105
EGRG-3 Pass 1 Conc. +425	N.A.	N.A.	17.2	518
EGRG-3 Pass 1 Conc. +300	N.A.	N.A.	18.5	651
EGRG-3 Pass 1 Conc. +212	N.A.	N.A.	24.5	756
EGRG-3 Pass 1 Conc. +150	N.A.	N.A.	24.8	921
EGRG-3 Pass 1 Conc. +106	N.A.	N.A.	53.3	1160
EGRG-3 Pass 1 Conc. +75	N.A.	N.A.	66.6	1370
EGRG-3 Pass 1 Conc. +53	N.A.	N.A.	263	9
EGRG-3 Pass 1 Conc. +38	N.A.	N.A.	136	1990
EGRG-3 Pass 1 Conc. +25	N.A.	N.A.	489	4770
EGRG-3 Pass 1 Conc. -25	N.A.	N.A.	3000	13300
EGRG-3 Pass 1 Tail +600	109	4.92	N.A.	N.A.
EGRG-3 Pass 1 Tail +425	153	5.56	N.A.	N.A.
EGRG-3 Pass 1 Tail +300	150	5.26	N.A.	N.A.
EGRG-3 Pass 1 Tail +212	129	5.10	N.A.	N.A.
EGRG-3 Pass 1 Tail +150	133	5.27	N.A.	N.A.
EGRG-3 Pass 1 Tail +106	133	5.35	N.A.	N.A.
EGRG-3 Pass 1 Tail +75	140	5.25	N.A.	N.A.
EGRG-3 Pass 1 Tail +53	197	6.67	N.A.	N.A.
EGRG-3 Pass 1 Tail +38	228	6.82	N.A.	N.A.
EGRG-3 Pass 1 Tail +25	285	8.93	N.A.	N.A.
EGRG-3 Pass 1 Tail -25	326	5.73	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130818

[Report File No.: 0000000353]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: Apr 23, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-3 Pass 2
Project No.	:	50270-001
No. Of Samples	:	18
Date Submitted	:	Apr 18, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
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I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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SGS

Final : VC130818 Order: PO: 50270-001 / TEST: EGRG-3 Pass 2

Report File No.: 0000000353

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	Au FAG323 0.03 g/t	Ag FAG323 5 g/t
EGRG-3 Pass 2 Conc. +300	N.A.	N.A.	165	33
EGRG-3 Pass 2 Conc. +212	N.A.	N.A.	36.6	603
EGRG-3 Pass 2 Conc. +150	N.A.	N.A.	60.4	957
EGRG-3 Pass 2 Conc. +106	N.A.	N.A.	53.3	1150
EGRG-3 Pass 2 Conc. +75	N.A.	N.A.	51.1	1410
EGRG-3 Pass 2 Conc. +53	N.A.	N.A.	72.0	1260
EGRG-3 Pass 2 Conc. +38	N.A.	N.A.	115	1110
EGRG-3 Pass 2 Conc. +25	N.A.	N.A.	245	1230
EGRG-3 Pass 2 Conc. -25	N.A.	N.A.	1150	1430
EGRG-3 Pass 2 Tail +300	55.4	2.51	N.A.	N.A.
EGRG-3 Pass 2 Tail +212	81.5	4.23	N.A.	N.A.
EGRG-3 Pass 2 Tail +150	122	5.99	N.A.	N.A.
EGRG-3 Pass 2 Tail +106	138	7.33	N.A.	N.A.
EGRG-3 Pass 2 Tail +75	193	8.67	N.A.	N.A.
EGRG-3 Pass 2 Tail +53	212	8.15	N.A.	N.A.
EGRG-3 Pass 2 Tail +38	264	8.61	N.A.	N.A.
EGRG-3 Pass 2 Tail +25	309	9.39	N.A.	N.A.
EGRG-3 Pass 2 Tail -25	307	6.18	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130875

[Report File No.: 0000000473]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: May 01, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-3 Pass 3
Project No.	:	50270-001
No. Of Samples	:	15
Date Submitted	:	Apr 25, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :
Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC130875 Order: PO: 50270-001 / TEST: EGRG-3 Pass 3

Report File No.: 0000000473

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	Au FAG323 0.03 g/t	Ag FAG323 5 g/t
EGRG-3 Pass 3 Conc. +212	N.A.	N.A.	20.8	318
EGRG-3 Pass 3 Conc. +150	N.A.	N.A.	45.9	288
EGRG-3 Pass 3 Conc. +106	N.A.	N.A.	49.8	737
EGRG-3 Pass 3 Conc. +75	N.A.	N.A.	50.6	884
EGRG-3 Pass 3 Conc. +53	N.A.	N.A.	57.1	946
EGRG-3 Pass 3 Conc. +38	N.A.	N.A.	67.9	925
EGRG-3 Pass 3 Conc. +25	N.A.	N.A.	111	974
EGRG-3 Pass 3 Conc. -25	N.A.	N.A.	533	1090
EGRG-3 Pass 3 Tail +150	60.5	3.45	N.A.	N.A.
EGRG-3 Pass 3 Tail +106	93.1	5.35	N.A.	N.A.
EGRG-3 Pass 3 Tail +75	134	6.41	N.A.	N.A.
EGRG-3 Pass 3 Tail +53	163	6.96	N.A.	N.A.
EGRG-3 Pass 3 Tail +38	195	7.54	N.A.	N.A.
EGRG-3 Pass 3 Tail +25	233	8.08	N.A.	N.A.
EGRG-3 Pass 3 Tail -25	293	6.14	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130751

[Report File No.: 0000000316]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: Apr 18, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-4 Pass 1
Project No.	:	50270-001
No. Of Samples	:	22
Date Submitted	:	Apr 11, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

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I.S. = Insufficient Sample
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SGS

Final : VC130751 Order: PO: 50270-001 / TEST: EGRG-4 Pass 1

Report File No.: 0000000316

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	Au FAG323 0.03 g/t	Ag FAG323 5 g/t
EGRG-4 Pass 1 Conc. +600	N.A.	N.A.	14.8	<5
EGRG-4 Pass 1 Conc. +425	N.A.	N.A.	230	91
EGRG-4 Pass 1 Conc. +300	N.A.	N.A.	5.75	<5
EGRG-4 Pass 1 Conc. +212	N.A.	N.A.	43.2	1560
EGRG-4 Pass 1 Conc. +150	N.A.	N.A.	29.5	104
EGRG-4 Pass 1 Conc. +106	N.A.	N.A.	28.4	1070
EGRG-4 Pass 1 Conc. +75	N.A.	N.A.	69.4	1810
EGRG-4 Pass 1 Conc. +53	N.A.	N.A.	51.8	1180
EGRG-4 Pass 1 Conc. +38	N.A.	N.A.	176	3120
EGRG-4 Pass 1 Conc. +25	N.A.	N.A.	266	1750
EGRG-4 Pass 1 Conc. -25	N.A.	N.A.	593	3040
EGRG-4 Pass 1 Tail +600	116	3.80	N.A.	N.A.
EGRG-4 Pass 1 Tail +425	167	4.69	N.A.	N.A.
EGRG-4 Pass 1 Tail +300	196	4.33	N.A.	N.A.
EGRG-4 Pass 1 Tail +212	231	5.47	N.A.	N.A.
EGRG-4 Pass 1 Tail +150	262	4.77	N.A.	N.A.
EGRG-4 Pass 1 Tail +106	285	6.15	N.A.	N.A.
EGRG-4 Pass 1 Tail +75	335	7.14	N.A.	N.A.
EGRG-4 Pass 1 Tail +53	445	7.84	N.A.	N.A.
EGRG-4 Pass 1 Tail +38	480	7.74	N.A.	N.A.
EGRG-4 Pass 1 Tail +25	549	7.27	N.A.	N.A.
EGRG-4 Pass 1 Tail -25	385	3.40	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130817

[Report File No.: 0000000349]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: Apr 23, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-4 Pass 2
Project No.	:	50270-001
No. Of Samples	:	18
Date Submitted	:	Apr 18, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :
Satpaul Gill
QAQC Chemist

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I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

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SGS

Final : VC130817 Order: PO: 50270-001 / TEST: EGRG-4 Pass 2

Report File No.: 0000000349

Element	Ag@	Au	Au	Ag
Method	AAS42E	FAA303	FAG323	FAG323
Det.Lim.	0.3	0.01	0.03	5
Units	g/t	g/t	g/t	g/t
EGRG-4 Pass 2 Conc. +300	N.A.	N.A.	473	<5
EGRG-4 Pass 2 Conc. +212	N.A.	N.A.	68.0	<5
EGRG-4 Pass 2 Conc. +150	N.A.	N.A.	51.5	1650
EGRG-4 Pass 2 Conc. +106	N.A.	N.A.	52.1	1830
EGRG-4 Pass 2 Conc. +75	N.A.	N.A.	55.0	1810
EGRG-4 Pass 2 Conc. +53	N.A.	N.A.	61.4	1750
EGRG-4 Pass 2 Conc. +38	N.A.	N.A.	94.1	1690
EGRG-4 Pass 2 Conc. +25	N.A.	N.A.	164	2240
EGRG-4 Pass 2 Conc. -25	N.A.	N.A.	508	2380
EGRG-4 Pass 2 Tail +300	57.0	1.63	N.A.	N.A.
EGRG-4 Pass 2 Tail +212	89.0	2.84	N.A.	N.A.
EGRG-4 Pass 2 Tail +150	151	3.47	N.A.	N.A.
EGRG-4 Pass 2 Tail +106	214	4.75	N.A.	N.A.
EGRG-4 Pass 2 Tail +75	253	5.91	N.A.	N.A.
EGRG-4 Pass 2 Tail +53	326	6.57	N.A.	N.A.
EGRG-4 Pass 2 Tail +38	403	7.13	N.A.	N.A.
EGRG-4 Pass 2 Tail +25	464	7.15	N.A.	N.A.
EGRG-4 Pass 2 Tail -25	366	3.86	N.A.	N.A.

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Certificate of Analysis

Work Order : VC130876 [Revision ~REPORT]

[Report File No.: 0000000477]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
50-655 WEST KENT AVE NORTH
VANCOUVER BC V6P 6T7

Date: May 01, 2013

P.O. No.	:	PO: 50270-001 / TEST: EGRG-4 Pass 3
Project No.	:	50270-001
No. Of Samples	:	15
Date Submitted	:	Apr 25, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files - upstairs:

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

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Final : VC130876 [Revision ~REPORT] Order: PO: 50270-001 / TEST: EGRG

Report File No.: 0000000477

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	Au FAG323 0.03 g/t	Ag FAG323 5 g/t
EGRG-4 Pass 3 Conc. +212	N.A.	N.A.	26.2	769
EGRG-4 Pass 3 Conc. +150	N.A.	N.A.	61.6	526
EGRG-4 Pass 3 Conc. +106	N.A.	N.A.	65.8	1190
EGRG-4 Pass 3 Conc. +75	N.A.	N.A.	61.4	1380
EGRG-4 Pass 3 Conc. +53	N.A.	N.A.	62.8	1390
EGRG-4 Pass 3 Conc. +38	N.A.	N.A.	64.9	1590
EGRG-4 Pass 3 Conc. +25	N.A.	N.A.	67.0	1790
EGRG-4 Pass 3 Conc. -25	N.A.	N.A.	131	2310
EGRG-4 Pass 3 Tail +150	78.6	1.65	N.A.	N.A.
EGRG-4 Pass 3 Tail +106	124	2.96	N.A.	N.A.
EGRG-4 Pass 3 Tail +75	178	4.51	N.A.	N.A.
EGRG-4 Pass 3 Tail +53	266	6.01	N.A.	N.A.
EGRG-4 Pass 3 Tail +38	333	6.63	N.A.	N.A.
EGRG-4 Pass 3 Tail +25	372	6.95	N.A.	N.A.
EGRG-4 Pass 3 Tail -25	327	3.96	N.A.	N.A.

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Certificate of Analysis

Work Order : VC131317 [Revision ~REPORT]

[Report File No.: 0000001184]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Jun 15, 2013

P.O. No.	:	PO: 50270-001 / TEST: F1
Project No.	:	50270-001
No. Of Samples	:	6
Date Submitted	:	Jun 11, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By : _____
John Chiang
QC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
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I.S. = Insufficient Sample
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Final : VC131317 [Revision ~REPORT] Order: PO: 50270-001 / TEST: F1

Report File No.: 0000001184

Element	Ag@	Au	S	Pb	Zn
Method	AAS42E	FAA303	CSA06V	ICP90Q	ICP90Q
Det.Lim.	0.3	0.01	0.01	0.01	0.01
Units	g/t	g/t	%	%	%
Ro Con 1	1050	18.1	40.7	7.274	10.441
Ro Con 2	98.7	20.5	37.6	0.659	3.193
Ro Con 3	69.9	23.9	20.3	0.524	0.940
Ro Con 4	60.5	12.7	9.36	0.496	0.392
Ro Con 5	45.5	5.34	5.31	0.456	0.272
Ro Tail	4.3	0.25	0.31	0.063	0.029

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Certificate of Analysis

Work Order : VC131318

[Report File No.: 0000001153]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Jun 13, 2013

P.O. No.	:	PO: 50270-001 / TEST: F2
Project No.	:	50270-001
No. Of Samples	:	6
Date Submitted	:	Jun 11, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By : _____
Cam Chiang
Senior Chemist & Coordinator

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

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Final : VC131318 Order: PO: 50270-001 / TEST: F2

Report File No.: 0000001153

Element	Ag@	Au	S	Pb	Zn
Method	AAS42E	FAA303	CSA06V	ICP90Q	ICP90Q
Det.Lim.	0.3	0.01	0.01	0.01	0.01
Units	g/t	g/t	%	%	%
Ro Con 1	1930	27.5	30.4	15.166	8.878
Ro Con 2	563	24.2	18.7	4.624	2.326
Ro Con 3	781	18.5	16.3	6.267	3.650
Ro Con 4	66.5	5.96	3.71	0.595	0.256
Ro Con 5	37.1	3.13	1.93	0.358	0.134
Ro Tail	5.6	0.20	0.19	0.067	0.032

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Certificate of Analysis

Work Order : VC131319

[Report File No.: 0000001150]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Jun 13, 2013

P.O. No.	:	PO: 50270-001 / TEST: F3
Project No.	:	50270-001
No. Of Samples	:	6
Date Submitted	:	Jun 11, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

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Certified By : _____
Cam Chiang
Senior Chemist & Coordinator

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Report Footer:

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*INF = Composition of this sample makes detection impossible by this method

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Final : VC131319 Order: PO: 50270-001 / TEST: F3

Report File No.: 0000001150

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	S CSA06V 0.01 %
Ro Con 1	306	15.7	43.0
Ro Con 2	68.1	12.1	18.6
Ro Con 3	31.2	7.86	6.44
Ro Con 4	20.4	3.30	3.69
Ro Con 5	16.3	1.68	2.38
Ro Tail	4.1	0.24	0.18

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Certificate of Analysis

Work Order : VC131320

[Report File No.: 0000001151]

To: **Met - Yonika Wiputri**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Jun 13, 2013

P.O. No.	:	PO: 50270-001 / TEST: F4
Project No.	:	50270-001
No. Of Samples	:	6
Date Submitted	:	Jun 11, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

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Certified By : _____
Cam Chiang
Senior Chemist & Coordinator

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Final : VC131320 Order: PO: 50270-001 / TEST: F4

Report File No.: 0000001151

Element	Ag@	Au	S
Method	AAS42E	FAA303	CSA06V
Det.Lim.	0.3	0.01	0.01
Units	g/t	g/t	%
Ro Con 1	610	19.1	45.6
Ro Con 2	113	9.33	42.1
Ro Con 3	73.8	9.57	22.3
Ro Con 4	47.2	4.99	8.31
Ro Con 5	33.4	2.09	4.55
Ro Tail	2.8	0.13	0.22

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Certificate of Analysis

Work Order : VC132062

[Report File No.: 0000002511]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Aug 07, 2013

P.O. No.	:	PO: 50270-001 / TEST: F5 F6 F7 F8
Project No.	:	50270-001
No. Of Samples	:	8
Date Submitted	:	Aug 02, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

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Active files:

Certified By : _____
Cam Chiang
Senior Chemist & Coordinator

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Final : VC132062 Order: PO: 50270-001 / TEST: F5 F6 F7 F8

Report File No.: 0000002511

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t	S CSA06V 0.01 %
F5 - Ro Con (Sub)	267	15.5	44.1
F5 - Ro Tail	1.4	0.25	0.18
F6 - Ro Con (Sub)	356	14.6	41.2
F6 - Ro Tail	2.3	0.20	0.22
F7 - Ro Con (Sub)	467	19.9	38.5
F7 - Ro Tail	4.3	0.28	0.34
F8 - Ro Con (Sub)	1670	26.1	28.7
F8 - Ro Tail	3.6	0.17	0.15

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Certificate of Analysis

Work Order : VC132062A

[Report File No.: 0000002606]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Aug 09, 2013

P.O. No.	:	PO: 50270-001 / TEST: F5 F6 F7 F8
Project No.	:	50270-001
No. Of Samples	:	8
Date Submitted	:	Aug 08, 2013
Report Comprises	:	Pages 1 to 4 (Inclusive of Cover Sheet)

Certified By : _____

Cam Chiang
Senior Chemist & Coordinator

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SGS

Final : VC132062A Order: PO: 50270-001 / TEST: F5 F6 F7 F8

Report File No.: 0000002606

Element	Al	As	Ba	Be	Ca	Cd	Cr	Co	Cu	Fe
Method	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A
Det.Lim.	0.01	30	10	5	0.1	10	10	10	10	0.01
Units	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
F5 - Ro Con (Sub)	1.25	18400	150	<5	0.4	140	120	50	11200	38.2
F5 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
F6 - Ro Con (Sub)	1.52	14200	350	<5	0.5	400	160	120	10300	34.4
F6 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
F7 - Ro Con (Sub)	0.68	62700	160	<5	0.6	900	130	100	5620	32.4
F7 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
F8 - Ro Con (Sub)	1.49	45700	320	<5	0.7	1190	200	110	4760	21.9
F8 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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SGS

Final : VC132062A Order: PO: 50270-001 / TEST: F5 F6 F7 F8

Report File No.: 0000002606

Element	K	La	Li	Mg	Mn	Mo	Ni	P	Pb	Sb
Method	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A
Det.Lim.	0.1	10	10	0.01	10	10	10	0.01	20	50
Units	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
F5 - Ro Con (Sub)	0.5	<10	<10	0.17	490	10	40	<0.01	20700	430
F5 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
F6 - Ro Con (Sub)	0.7	20	<10	0.20	450	<10	60	<0.01	18700	930
F6 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
F7 - Ro Con (Sub)	0.3	<10	<10	0.18	1190	20	50	<0.01	37800	1230
F7 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
F8 - Ro Con (Sub)	0.6	<10	<10	0.21	2570	20	70	<0.01	130987	4000
F8 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Final : VC132062A Order: PO: 50270-001 / TEST: F5 F6 F7 F8

Report File No.: 0000002606

Element	Sc	Sn	Sr	Ti	V	W	Y	Zn
Method	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A	ICP90A
Det.Lim.	5	50	10	0.01	10	50	5	10
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
F5 - Ro Con (Sub)	<5	<50	30	0.08	40	180	5	8370
F5 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
F6 - Ro Con (Sub)	<5	<50	40	0.07	40	150	10	27600
F6 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
F7 - Ro Con (Sub)	<5	<50	20	0.05	20	130	6	68900
F7 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
F8 - Ro Con (Sub)	<5	<50	40	0.08	30	140	6	84800
F8 - Ro Tail	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Certificate of Analysis

Work Order : VC132236

[Report File No.: 0000002968]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Aug 23, 2013

P.O. No.	:	PO: 50270-001 / TEST: F9
Project No.	:	50270-001
No. Of Samples	:	7
Date Submitted	:	Aug 16, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By : _____
Cam Chiang
Senior Chemist & Coordinator

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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SGS

Final : VC132236 Order: PO: 50270-001 / TEST: F9

Report File No.: 0000002968

Element	Ag@	Au	S	Pb	Zn
Method	AAS42E	FAA303	CSA06V	ICP90Q	ICP90Q
Det.Lim.	0.3	0.01	0.01	0.01	0.01
Units	g/t	g/t	%	%	%
Bulk Rougher Con 1	2790	29.4	23.1	23.070	18.032
Bulk Rougher Con 2	1550	27.0	24.1	9.845	21.251
Bulk Rougher Con 3	646	23.1	24.6	3.673	19.870
Zn Rougher Con 1	70.8	16.4	39.6	0.286	4.085
Zn Rougher Con 2	51.5	14.5	39.3	0.243	0.806
Zn Rougher Con 3	64.2	9.23	19.7	0.386	0.412
Ro Tail	5.7	0.30	0.42	0.089	0.027

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Certificate of Analysis

Work Order : VC132784

[Report File No.: 0000003742]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Oct 03, 2013

P.O. No.	:	PO: 50270-001 / TEST: F10
Project No.	:	50270-001
No. Of Samples	:	8
Date Submitted	:	Oct 01, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

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SGS

Final : VC132784 Order: PO: 50270-001 / TEST: F10

Report File No.: 0000003742

Element	Ag@	Au	S	Pb	Zn
Method	AAS42E	FAA303	CSA06V	ICP90Q	ICP90Q
Det.Lim.	0.3	0.01	0.01	0.01	0.01
Units	g/t	g/t	%	%	%
Bulk Rougher Con 1	2350	45.0	17.6	24.105	3.906
Bulk Rougher Con 2	1240	25.5	17.9	6.169	3.844
Bulk Rougher Con 3	747	20.7	18.6	2.264	4.062
Bulk Rougher Con 4	826	22.1	19.8	1.571	4.221
Zn 1st Cln Con 1	321	10.1	33.2	0.465	43.233
Zn 1st Cln Con 2	280	23.7	28.8	0.666	9.844
Zn 1st Cln Tail	27.2	12.1	35.7	0.087	0.047
Ro Tail	4.7	0.27	0.36	0.023	0.029

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Certificate of Analysis

Work Order : VC132783

[Report File No.: 0000003735]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Oct 03, 2013

P.O. No.	:	PO: 50270-001 / TEST: F11
Project No.	:	50270-001
No. Of Samples	:	6
Date Submitted	:	Oct 01, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By :
Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

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Final : VC132783 Order: PO: 50270-001 / TEST: F11

Report File No.: 0000003735

Element	Ag@	Au	S
Method	AAS42E	FAA303	CSA06V
Det.Lim.	0.3	0.01	0.01
Units	g/t	g/t	%
Ro Con 1	1350	27.6	35.6
Ro Con 2	88.5	13.4	41.4
Ro Con 3	84.0	27.8	22.1
Ro Con 4	78.7	14.4	14.3
Ro Con 5	63.8	6.44	10.3
Ro Tail	7.1	0.47	0.70

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Certificate of Analysis

Work Order : VC132776

[Report File No.: 0000003779]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Oct 07, 2013

P.O. No.	:	PO: 50270-001 / TEST: F12
Project No.	:	50270-001
No. Of Samples	:	6
Date Submitted	:	Oct 01, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

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Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC132776 Order: PO: 50270-001 / TEST: F12

Report File No.: 0000003779

Element	Ag@	Au	S
Method	AAS42E	FAA303	CSA06V
Det.Lim.	0.3	0.01	0.01
Units	g/t	g/t	%
Ro Con 1	2250	20.7	29.6
Ro Con 2	245	41.3	24.3
Ro Con 3	147	7.07	10.6
Ro Con 4	93.2	5.88	7.06
Ro Con 5	77.7	4.94	6.51
Ro Tail	5.6	0.23	0.18

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Certificate of Analysis

Work Order : VC133047

[Report File No.: 0000004190]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Oct 30, 2013

P.O. No.	:	PO: 50270-001 / TEST: F13
Project No.	:	50270-001
No. Of Samples	:	6
Date Submitted	:	Oct 25, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Certified By : _____
Cam Chiang
Senior Chemist & Coordinator

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Final : VC133047 Order: PO: 50270-001 / TEST: F13

Report File No.: 0000004190

Element	Ag@	Au	S
Method	AAS42E	FAA303	CSA06V
Det.Lim.	0.3	0.01	0.01
Units	g/t	g/t	%
1st Cleaner Con 1	1310	24.2	39.5
1st Cleaner Con 2	559	15.2	40.5
1st Cleaner Con 3	404	12.0	42.3
1st Cleaner Con 4	223	11.3	41.9
1st Cleaner Tails	37.0	15.3	19.7
Ro Tail	5.6	0.53	0.66

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Certificate of Analysis

Work Order : VC133060

[Report File No.: 0000004188]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Oct 30, 2013

P.O. No.	:	PO: 50270-001 / TEST: F14
Project No.	:	50270-001
No. Of Samples	:	6
Date Submitted	:	Oct 28, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By :

Satpaul Gill
QAQC Chemist

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Report Footer:

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SGS

Final : VC133060 Order: PO: 50270-001 / TEST: F14

Report File No.: 0000004188

Element	Ag@	Au	S
Method	AAS42E	FAA303	CSA06V
Det.Lim.	0.3	0.01	0.01
Units	g/t	g/t	%
1st Cleaner Con 1	7120	30.8	22.9
1st Cleaner Con 2	3200	26.0	29.4
1st Cleaner Con 3	992	22.8	39.1
1st Cleaner Con 4	374	22.9	43.6
1st Cleaner Tails	87.6	41.4	25.4
Ro Tail	7.5	0.59	0.47

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Certificate of Analysis

Work Order : VC133390

[Report File No.: 0000004690]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Dec 03, 2013

P.O. No.	:	PO: 50270-001 / TEST: F15
Project No.	:	50270-001
No. Of Samples	:	7
Date Submitted	:	Nov 27, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By : _____
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

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Final : VC133390 Order: PO: 50270-001 / TEST: F15

Report File No.: 0000004690

Element	Ag@	S	Au@
Method	AAS42E	CSA06V	FAA303
Det.Lim.	0.3	0.01	0.01
Units	g/t	%	g/t
1st Cleaner Con 1	1210	39.6	25.8
1st Cleaner Con 2	408	40.8	14.2
1st Cleaner Con 3	173	41.0	12.3
1st Cleaner Con 4	90.5	36.3	15.5
1st Cleaner Con 5	60.7	24.4	32.4
1st Cleaner Tails	18.0	6.79	11.3
Ro Tail	5.8	0.60	0.46

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Certificate of Analysis

Work Order : VC140617

[Report File No.: 0000005939]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Feb 28, 2014

P.O. No.	:	PO: 50270-001 / TEST: F16
Project No.	:	50270-001
No. Of Samples	:	5
Date Submitted	:	Feb 24, 2014
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Certified By :

Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

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Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC140617 Order: PO: 50270-001 / TEST: F16

Report File No.: 0000005939

Element	Ag@	Au	Pb	Zn	S
Method	AAS42E	FAA303	GO_XRF77B	GO_XRF77B	GC_CSA06V
Det.Lim.	0.3	0.01	0.01	0.01	0.01
Units	g/t	g/t	%	%	%
Bulk Rougher Con 1	1810	31.2	17.4	3.55	15.4
Bulk Rougher Con 2	827	20.0	5.00	3.74	15.2
Bulk Rougher Con 3	1040	23.6	3.36	4.89	18.4
Py Rougher Con	86.5	9.77	0.21	5.03	29.3
Ro Tail	3.9	0.13	0.02	0.02	0.15

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SGS

SGS CANADA INC.
3260 PRODUCTION WAY
MINERALS SERVICES
BURNABY, BC
CANADA V5A 4W4

Report of Analysis

Date: August 6, 2013
File No.: 0302-117586

WE HAVE ANALYZED the herein described submitted sample, received on August 02, 2013, and report as follows :

(1-A) **Analyte** **Method**	Gold (Au CN) Method 9-8-50 (SGS Lakefield)	Silver (Ag CN) Method 9-8-50 (SGS Lakefield)
L1-8 HR PLS; 50270-001	1.85 ppm	9.53 ppm
L1-24 HR PLS; 50270-001	1.91 ppm	12.71 ppm
L1-48 HR PLS; 50270-001	1.88 ppm	14.15 ppm
L2-8 HR PLS; 50270-001	2.71 ppm	12.55 ppm
L2-24 HR PLS; 50270-001	2.75 ppm	15.45 ppm
L2-48 HR PLS; 50270-001	2.70 ppm	17.14 ppm
L3-8 HR PLS; 50270-001	2.22 ppm	15.18 ppm
L3-24 HR PLS; 50270-001	2.23 ppm	22.82 ppm
L3-48 HR PLS; 50270-001	2.18 ppm	27.55 ppm
L4-8 HR PLS; 50270-001	0.74 ppm	23.09 ppm
L4-24 HR PLS; 50270-001	0.75 ppm	44.43 ppm
L4-48 HR PLS; 50270-001	0.73 ppm	53.51 ppm

SGS Canada Inc.

Andrew Lai
Supervisor, Laboratory

AL/cc
[CR-201ROA113-20040624]
The reported results relate only to items tested.

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Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate of Analysis

Work Order : VC132079

[Report File No.: 0000002562]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Aug 08, 2013

P.O. No.	:	PO: 50270-001 / TEST: L1,L2,L3,L4
Project No.	:	50270-001
No. Of Samples	:	8
Date Submitted	:	Aug 06, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By : _____
Cam Chiang
Senior Chemist & Coordinator

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC132079 Order: PO: 50270-001 / TEST: L1,L2,L3,L4

Report File No.: 0000002562

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t
L1-48 hr Residue A	45.5	1.98
L1-48 hr Residue B	45.8	1.88
L2-48 hr Residue A	70.1	1.12
L2-48 hr Residue B	69.6	1.14
L3-48 hr Residue A	176	4.52
L3-48 hr Residue B	177	4.71
L4-48 hr Residue A	202	4.22
L4-48 hr Residue B	189	4.27

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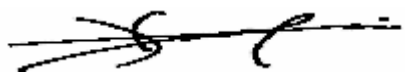
SGS CANADA INC.
3260 PRODUCTION WAY
MINERALS SERVICES
BURNABY, BC
CANADA V5A 4W4

Report of Analysis

Date: August 13, 2013
File No.: 0302-117662

WE HAVE ANALYZED the herein described submitted sample, received on August 09, 2013, and report as follows :

(1-A) **Analyte** **Method**	Gold (Au CN) Method 9-8-50 (SGS Lakefield)	Silver (Ag CN) Method 9-8-50 (SGS Lakefield)
L5-8 HR PLS; 50270-001	4.69 ppm	28.85 ppm
L5-24 HR PLS; 50270-001	4.54 ppm	36.46 ppm
L5-48 HR PLS; 50270-001	4.11 ppm	41.15 ppm
L5-72 HR PLS; 50270-001	3.66 ppm	42.17 ppm
L6-8 HR PLS; 50270-001	4.98 ppm	41.07 ppm
L6-24 HR PLS; 50270-001	4.98 ppm	55.65 ppm
L6-48 HR PLS; 50270-001	4.40 ppm	63.35 ppm
L6-72 HR PLS; 50270-001	3.92 ppm	67.38 ppm
L7-8 HR PLS; 50270-001	4.69 ppm	42.49 ppm
L7-24 HR PLS; 50270-001	4.39 ppm	57.40 ppm
L7-48 HR PLS; 50270-001	3.93 ppm	64.61 ppm
L7-72 HR PLS; 50270-001	3.56 ppm	63.85 ppm
L8-8 HR PLS; 50270-001	2.48 ppm	30.64 ppm
L8-24 HR PLS; 50270-001	2.40 ppm	37.19 ppm
L8-48 HR PLS; 50270-001	2.21 ppm	42.28 ppm



[CR-201ROA113-20040624]
The reported results relate only to items tested.

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SGS CANADA INC.
3260 PRODUCTION WAY
MINERALS SERVICES
BURNABY, BC
CANADA V5A 4W4

Report of Analysis

Date: August 13, 2013
File No.: 0302-117662

WE HAVE ANALYZED the herein described submitted sample, received on August 09, 2013, and report as follows :

(2-A) **Analyte** **Method**	Gold (Au CN) Method 9-8-50 (SGS Lakefield)	Silver (Ag CN) Method 9-8-50 (SGS Lakefield)
L8-72 HR PLS; 50270-001	2.00 ppm	44.42 ppm

REMARKS
Some yellowish Precipiate can be seen in most of the samples

SGS Canada Inc.

Andrew Lai
Supervisor, Laboratory

AL/al

[CR-201ROA113-20040624]
The reported results relate only to items tested.

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Certificate of Analysis

Work Order : VC132185

[Report File No.: 0000002713]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Aug 15, 2013

P.O. No.	:	PO: 50270-001 / TEST: L5,L6,L7,L8
Project No.	:	50270-001
No. Of Samples	:	8
Date Submitted	:	Aug 13, 2013
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC132185 Order: PO: 50270-001 / TEST: L5,L6,L7,L8

Report File No.: 0000002713

Element Method Det.Lim. Units	Ag@ AAS42E 0.3 g/t	Au FAA303 0.01 g/t
L5-72 hr Residue A	192	7.52
L5-72 hr Residue B	198	7.34
L6-72 hr Residue A	281	5.94
L6-72 hr Residue B	286	7.86
L7-72 hr Residue A	361	12.6
L7-72 hr Residue B	487	11.9
L8-72 hr Residue A	1450	22.5
L8-72 hr Residue B	1450	24.1

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Certificate of Analysis

Work Order : VC140676

[Report File No.: 0000005974]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Mar 04, 2014

P.O. No.	:	PO: 50270-001/ TEST: L9 Solution
Project No.	:	50270-001
No. Of Samples	:	5
Date Submitted	:	Feb 28, 2014
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By : _____
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

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I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

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Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
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Final : VC140676 Order: PO: 50270-001/ TEST: L9 Solution

Report File No.: 0000005974

Element	Au	Ag
Method	GC_FSA84T	GC_SOL82T
Det.Lim.	0.01	0.03
Units	mg/L	mg/L
L9-8 hr PLS	1.148	20.570
L9-24 hr PLS	1.471	29.090
L9-48 hr PLS	1.461	34.220
L9-72 hr PLS	1.372	39.190
L9-96 hr PLS	1.412	40.910

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Certificate of Analysis

Work Order : VC140695

[Report File No.: 0000005988]

To: **Met - Kristelle S.**
F400101 SGS CANADA INC
3260 PRODUCTION WAY
BURNABY BC V5A 4W4

Date: Mar 05, 2014

P.O. No.	:	PO: 50270-001 / TEST: L9 Residue
Project No.	:	50270-001
No. Of Samples	:	2
Date Submitted	:	Mar 03, 2014
Report Comprises	:	Pages 1 to 2 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By : _____
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
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I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

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Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC140695 Order: PO: 50270-001 / TEST: L9 Residue

Report File No.: 0000005988

Element	Au	Ag@
Method	FAA303	AAS42E
Det.Lim.	0.01	0.3
Units	g/t	g/t
L9-96 hr Residue A	9.65	45.6
L9-96 hr Residue B	9.64	42.8

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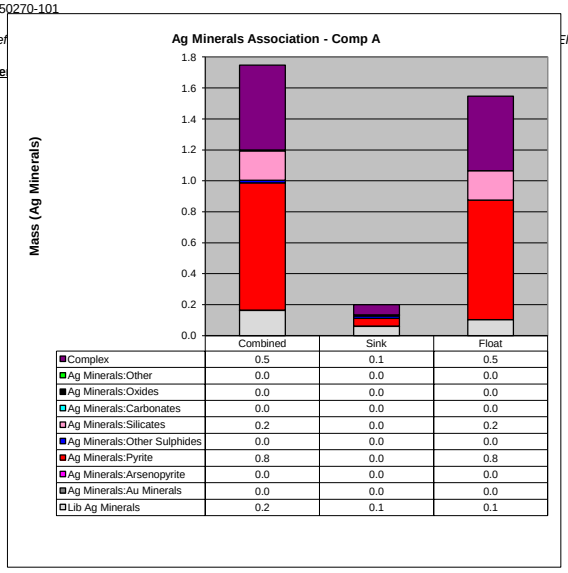
WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Appendix ***D – Mineralogy Data***

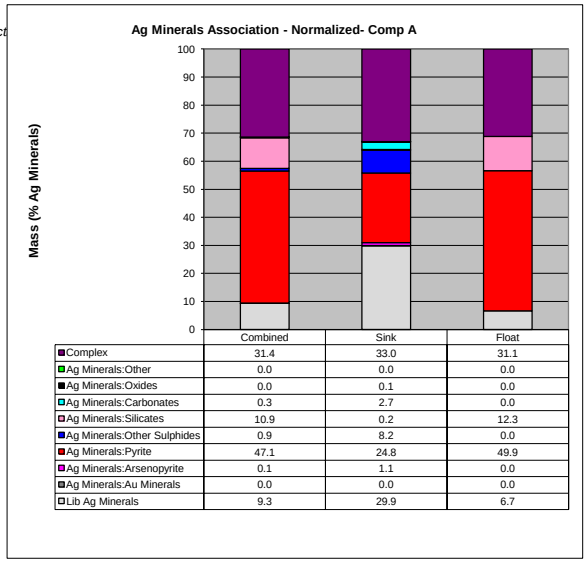
Archer,Cathro & Associates (Klaza)
CAVM-50270-101

High Def *Elect*

Ag Mine



	Combined	Sink	Float
Complex	0.5	0.1	0.5
Ag Minerals:Other	0.0	0.0	0.0
Ag Minerals:Oxides	0.0	0.0	0.0
Ag Minerals:Carbonates	0.0	0.0	0.0
Ag Minerals:Silicates	0.2	0.0	0.2
Ag Minerals:Other Sulphides	0.0	0.0	0.0
Ag Minerals:Pyrite	0.8	0.0	0.8
Ag Minerals:Arsenopyrite	0.0	0.0	0.0
Ag Minerals:Au Minerals	0.0	0.0	0.0
Lib Ag Minerals	0.2	0.1	0.1



	Combined	Sink	Float
Complex	31.4	33.0	31.1
Ag Minerals:Other	0.0	0.0	0.0
Ag Minerals:Oxides	0.0	0.1	0.0
Ag Minerals:Carbonates	0.3	2.7	0.0
Ag Minerals:Silicates	10.9	0.2	12.3
Ag Minerals:Other Sulphides	0.9	8.2	0.0
Ag Minerals:Pyrite	47.1	24.8	49.9
Ag Minerals:Arsenopyrite	0.1	1.1	0.0
Ag Minerals:Au Minerals	0.0	0.0	0.0
Lib Ag Minerals	9.3	29.9	6.7

Absolute Mass of Ag Minerals Across Fraction Comp A

Mineral Name	Combined	Sink	Float
Lib Ag Minerals	0.2	0.1	0.1
Ag Minerals:Au Minerals	0.0	0.0	0.0
Ag Minerals:Arsenopyrite	0.0	0.0	0.0
Ag Minerals:Pyrite	0.8	0.0	0.8
Ag Minerals:Other Sulphides	0.0	0.0	0.0
Ag Minerals:Silicates	0.2	0.0	0.2
Ag Minerals:Carbonates	0.0	0.0	0.0
Ag Minerals:Oxides	0.0	0.0	0.0
Ag Minerals:Other	0.0	0.0	0.0
Complex	0.5	0.1	0.5
Total	1.7	0.2	1.5
Total (% in fraction)	**100.0**	**11.4**	**88.6**

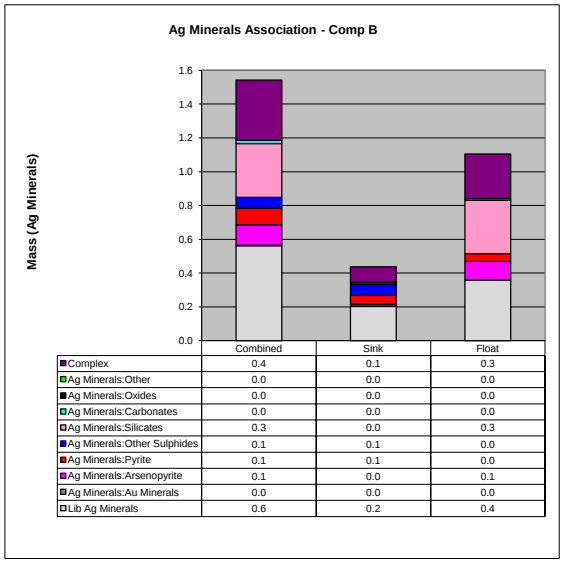
Normalized Mass of Ag Minerals Across Fraction Comp A

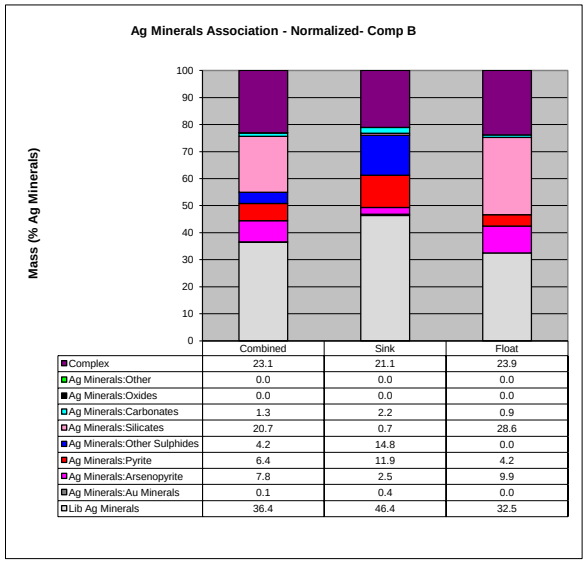
Mineral Name	Combined	Sink	Float
Lib Ag Minerals	9.3	29.9	6.7
Ag Minerals:Au Minerals	0.0	0.0	0.0
Ag Minerals:Arsenopyrite	0.1	1.1	0.0
Ag Minerals:Pyrite	47.1	24.8	49.9
Ag Minerals:Other Sulphides	0.9	8.2	0.0
Ag Minerals:Silicates	10.9	0.2	12.3
Ag Minerals:Carbonates	0.3	2.7	0.0
Ag Minerals:Oxides	0.0	0.1	0.0
Ag Minerals:Other	0.0	0.0	0.0
Complex	31.4	33.0	31.1
Total	100.0	100.0	100.0
Liberated	**9.3**	**29.9**	**6.7**

Archer,Cathro & Associates (Klaza)
CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Minerals Association





Absolute Mass of Ag Minerals Across Fraction Comp B

Mineral Name	Combined	Sink	Float
Lib Ag Minerals	0.6	0.2	0.4
Ag Minerals:Au Minerals	0.0	0.0	0.0
Ag Minerals:Arsenopyrite	0.1	0.0	0.1
Ag Minerals:Pyrite	0.1	0.1	0.0
Ag Minerals:Other Sulphides	0.1	0.1	0.0
Ag Minerals:Silicates	0.3	0.0	0.3
Ag Minerals:Carbonates	0.0	0.0	0.0
Ag Minerals:Oxides	0.0	0.0	0.0
Ag Minerals:Other	0.0	0.0	0.0
Complex	0.4	0.1	0.3
Total	1.5	0.4	1.1
Total (% in fraction)	**100.0**	**28.4**	**71.6**

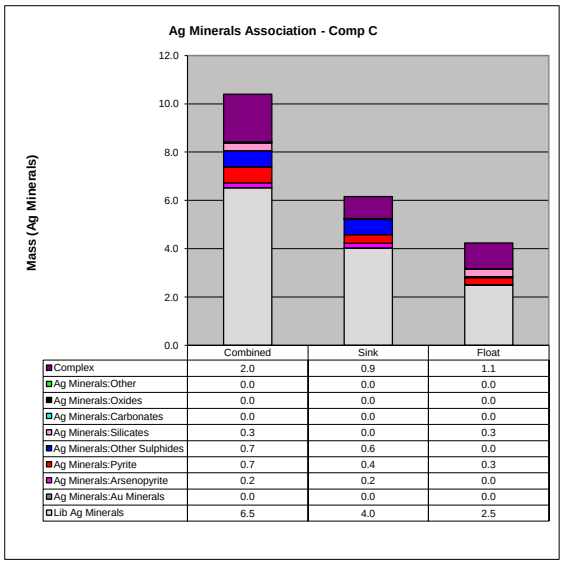
Normalized Mass of Ag Minerals Across Fraction Comp B

Mineral Name	Combined	Sink	Float
Lib Ag Minerals	36.4	46.4	32.5
Ag Minerals:Au Minerals	0.1	0.4	0.0
Ag Minerals:Arsenopyrite	7.8	2.5	9.9
Ag Minerals:Pyrite	6.4	11.9	4.2
Ag Minerals:Other Sulphides	4.2	14.8	0.0
Ag Minerals:Silicates	20.7	0.7	28.6
Ag Minerals:Carbonates	1.3	2.2	0.9
Ag Minerals:Oxides	0.0	0.0	0.0
Ag Minerals:Other	0.0	0.0	0.0
Complex	23.1	21.1	23.9
Total	100.0	100.0	100.0
Liberated	**36.4**	**46.4**	**32.5**

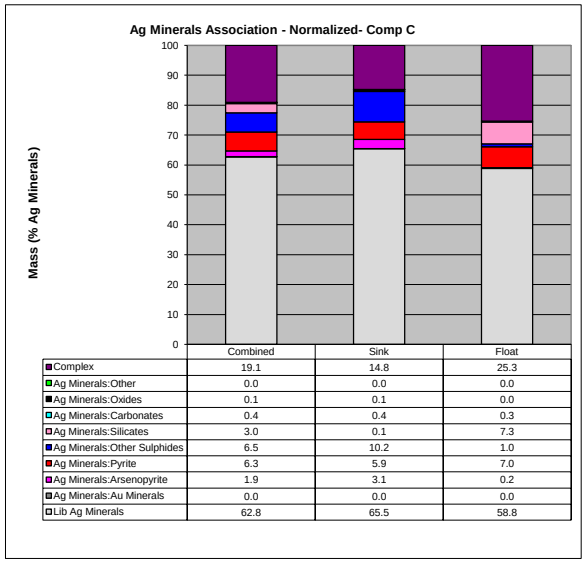
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Minerals Association



	Combined	Sink	Float
Complex	2.0	0.9	1.1
Ag Minerals:Other	0.0	0.0	0.0
Ag Minerals:Oxides	0.0	0.0	0.0
Ag Minerals:Carbonates	0.0	0.0	0.0
Ag Minerals:Silicates	0.3	0.0	0.3
Ag Minerals:Other Sulphides	0.7	0.6	0.0
Ag Minerals:Pyrite	0.7	0.4	0.3
Ag Minerals:Arsenopyrite	0.2	0.2	0.0
Ag Minerals:Au Minerals	0.0	0.0	0.0
Lib Ag Minerals	6.5	4.0	2.5



	Combined	Sink	Float
Complex	19.1	14.8	25.3
Ag Minerals:Other	0.0	0.0	0.0
Ag Minerals:Oxides	0.1	0.1	0.0
Ag Minerals:Carbonates	0.4	0.4	0.3
Ag Minerals:Silicates	3.0	0.1	7.3
Ag Minerals:Other Sulphides	6.5	10.2	1.0
Ag Minerals:Pyrite	6.3	5.9	7.0
Ag Minerals:Arsenopyrite	1.9	3.1	0.2
Ag Minerals:Au Minerals	0.0	0.0	0.0
Lib Ag Minerals	62.8	65.5	58.8

Absolute Mass of Ag Minerals Across Fraction Comp C

Mineral Name	Combined	Sink	Float
Lib Ag Minerals	6.5	4.0	2.5
Ag Minerals:Au Minerals	0.0	0.0	0.0
Ag Minerals:Arsenopyrite	0.2	0.2	0.0
Ag Minerals:Pyrite	0.7	0.4	0.3
Ag Minerals:Other Sulphides	0.7	0.6	0.0
Ag Minerals:Silicates	0.3	0.0	0.3
Ag Minerals:Carbonates	0.0	0.0	0.0
Ag Minerals:Oxides	0.0	0.0	0.0
Ag Minerals:Other	0.0	0.0	0.0
Complex	2.0	0.9	1.1
Total	10.4	6.2	4.2
Total (% in fraction)	**100.0**	**59.2**	**40.8**

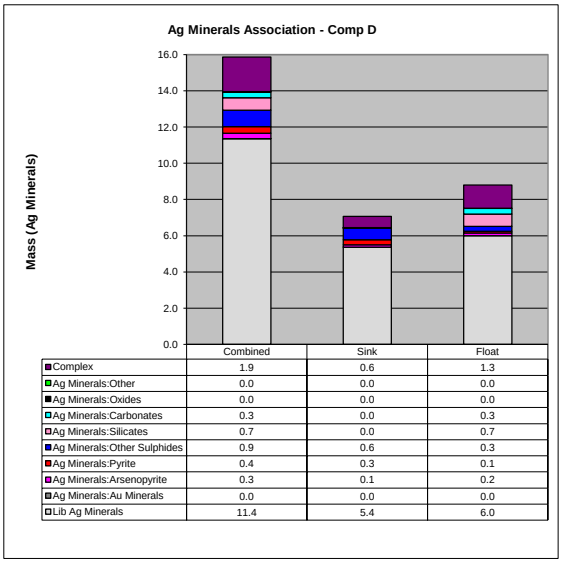
Normalized Mass of Ag Minerals Across Fraction Comp C

Mineral Name	Combined	Sink	Float
Lib Ag Minerals	62.8	65.5	58.8
Ag Minerals:Au Minerals	0.0	0.0	0.0
Ag Minerals:Arsenopyrite	1.9	3.1	0.2
Ag Minerals:Pyrite	6.3	5.9	7.0
Ag Minerals:Other Sulphides	6.5	10.2	1.0
Ag Minerals:Silicates	3.0	0.1	7.3
Ag Minerals:Carbonates	0.4	0.4	0.3
Ag Minerals:Oxides	0.1	0.1	0.0
Ag Minerals:Other	0.0	0.0	0.0
Complex	19.1	14.8	25.3
Total	100.0	100.0	100.0
Liberated	**62.8**	**65.5**	**58.8**

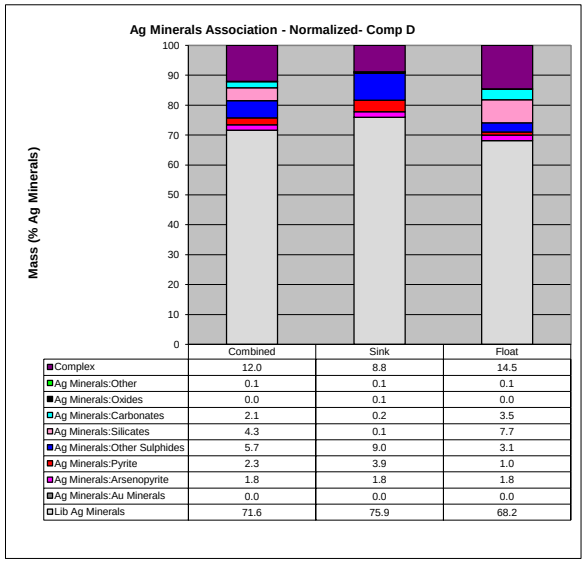
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Minerals Association



	Combined	Sink	Float
Complex	1.9	0.6	1.3
Ag Minerals:Other	0.0	0.0	0.0
Ag Minerals:Oxides	0.0	0.0	0.0
Ag Minerals:Carbonates	0.3	0.0	0.3
Ag Minerals:Silicates	0.7	0.0	0.7
Ag Minerals:Other Sulphides	0.9	0.6	0.3
Ag Minerals:Pyrite	0.4	0.3	0.1
Ag Minerals:Arsenopyrite	0.3	0.1	0.2
Ag Minerals:Au Minerals	0.0	0.0	0.0
Lib Ag Minerals	11.4	5.4	6.0



	Combined	Sink	Float
Complex	12.0	8.8	14.5
Ag Minerals:Other	0.1	0.1	0.1
Ag Minerals:Oxides	0.0	0.1	0.0
Ag Minerals:Carbonates	2.1	0.2	3.5
Ag Minerals:Silicates	4.3	0.1	7.7
Ag Minerals:Other Sulphides	5.7	9.0	3.1
Ag Minerals:Pyrite	2.3	3.9	1.0
Ag Minerals:Arsenopyrite	1.8	1.8	1.8
Ag Minerals:Au Minerals	0.0	0.0	0.0
Lib Ag Minerals	71.6	75.9	68.2

Absolute Mass of Ag Minerals Across Fraction Comp D

Mineral Name	Combined	Sink	Float
Lib Ag Minerals	11.4	5.4	6.0
Ag Minerals:Au Minerals	0.0	0.0	0.0
Ag Minerals:Arsenopyrite	0.3	0.1	0.2
Ag Minerals:Pyrite	0.4	0.3	0.1
Ag Minerals:Other Sulphides	0.9	0.6	0.3
Ag Minerals:Silicates	0.7	0.0	0.7
Ag Minerals:Carbonates	0.3	0.0	0.3
Ag Minerals:Oxides	0.0	0.0	0.0
Ag Minerals:Other	0.0	0.0	0.0
Complex	1.9	0.6	1.3
Total	15.9	7.1	8.8
Total (% in fraction)	**100.0**	**44.6**	**55.4**

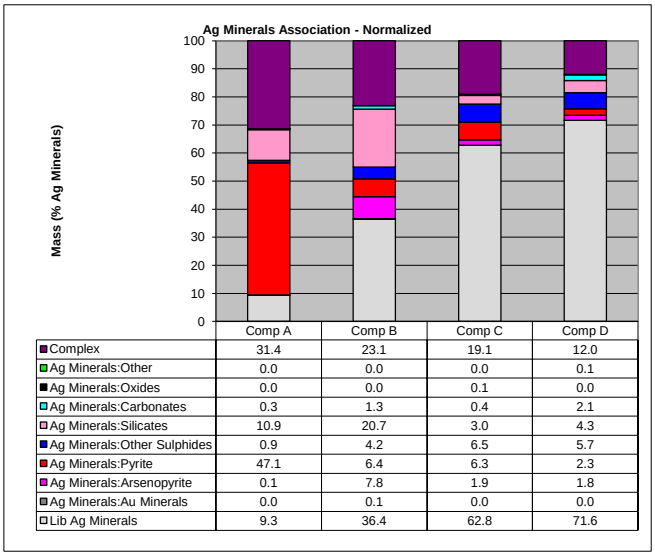
Normalized Mass of Ag Minerals Across Fraction Comp D

Mineral Name	Combined	Sink	Float
Lib Ag Minerals	71.6	75.9	68.2
Ag Minerals:Au Minerals	0.0	0.0	0.0
Ag Minerals:Arsenopyrite	1.8	1.8	1.8
Ag Minerals:Pyrite	2.3	3.9	1.0
Ag Minerals:Other Sulphides	5.7	9.0	3.1
Ag Minerals:Silicates	4.3	0.1	7.7
Ag Minerals:Carbonates	2.1	0.2	3.5
Ag Minerals:Oxides	0.0	0.1	0.0
Ag Minerals:Other	0.1	0.1	0.1
Complex	12.0	8.8	14.5
Total	100.0	100.0	100.0
Liberated	**71.6**	**75.9**	**68.2**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Minerals Association



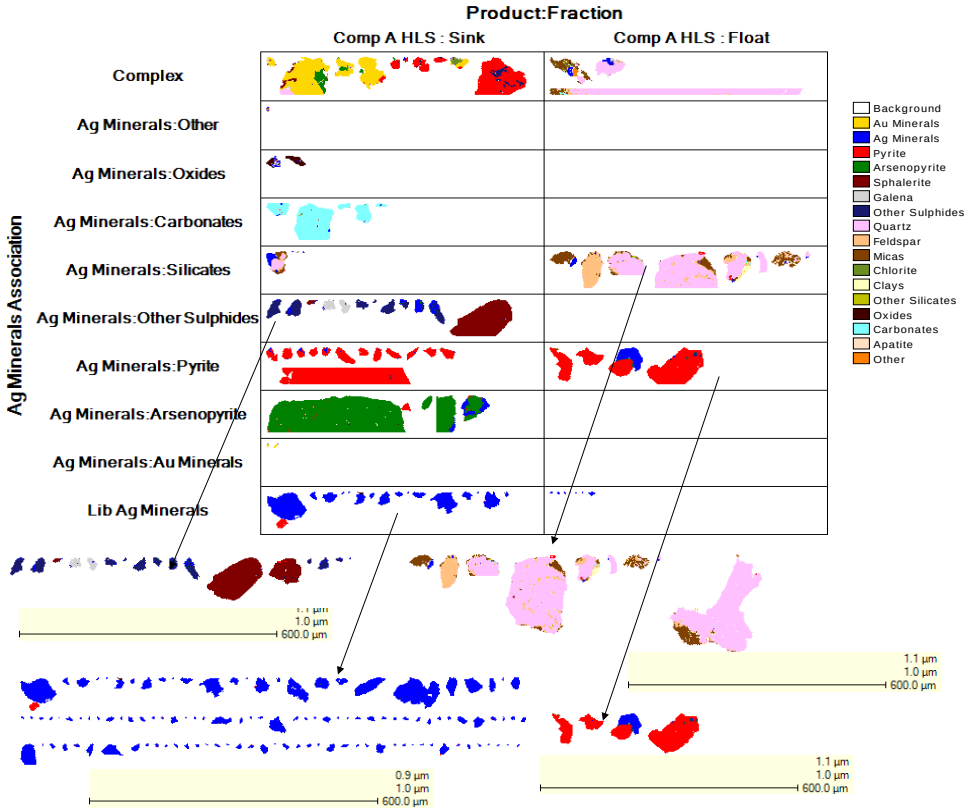
	Comp A	Comp B	Comp C	Comp D
Complex	31.4	23.1	19.1	12.0
Ag Minerals:Other	0.0	0.0	0.0	0.1
Ag Minerals:Oxides	0.0	0.0	0.1	0.0
Ag Minerals:Carbonates	0.3	1.3	0.4	2.1
Ag Minerals:Silicates	10.9	20.7	3.0	4.3
Ag Minerals:Other Sulphides	0.9	4.2	6.5	5.7
Ag Minerals:Pyrite	47.1	6.4	6.3	2.3
Ag Minerals:Arsenopyrite	0.1	7.8	1.9	1.8
Ag Minerals:Au Minerals	0.0	0.1	0.0	0.0
Lib Ag Minerals	9.3	36.4	62.8	71.6

Mineral Name	Comp A	Comp B	Comp C	Comp D
Lib Ag Minerals	9.3	36.4	62.8	71.6
Ag Minerals:Au Minerals	0.0	0.1	0.0	0.0
Ag Minerals:Arsenopyrite	0.1	7.8	1.9	1.8
Ag Minerals:Pyrite	47.1	6.4	6.3	2.3
Ag Minerals:Other Sulphides	0.9	4.2	6.5	5.7
Ag Minerals:Silicates	10.9	20.7	3.0	4.3
Ag Minerals:Carbonates	0.3	1.3	0.4	2.1
Ag Minerals:Oxides	0.0	0.0	0.1	0.0
Ag Minerals:Other	0.0	0.0	0.0	0.1
Complex	31.4	23.1	19.1	12.0
Total	**100.0**	**100.0**	**100.0**	**100.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

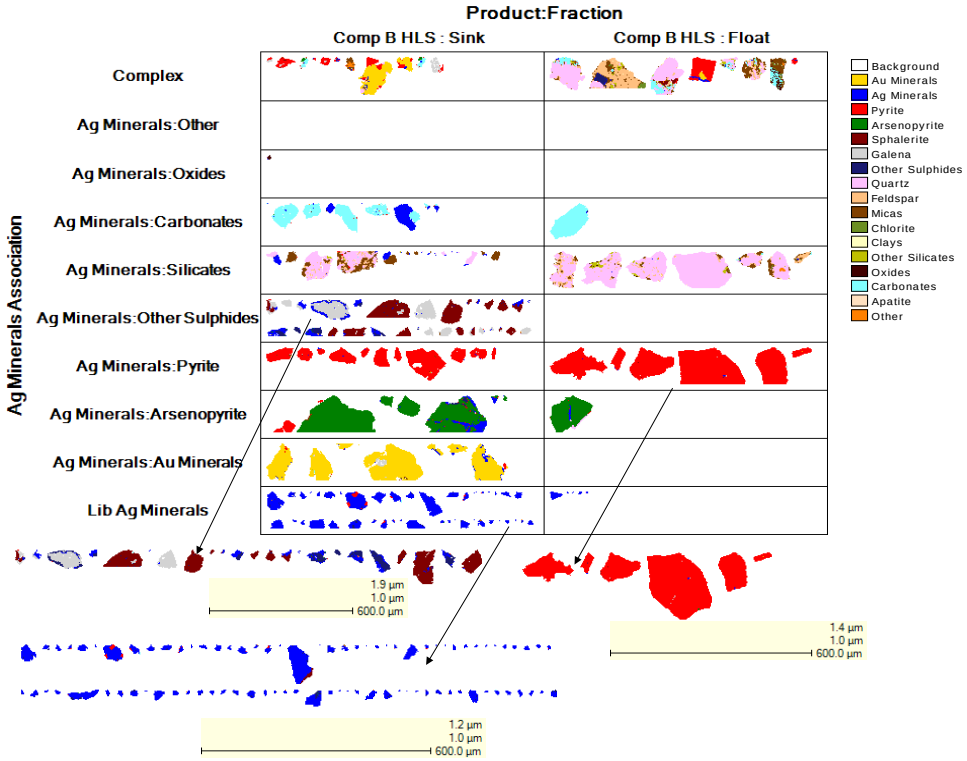
Image Grid- Ag Minerals Association Comp A



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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

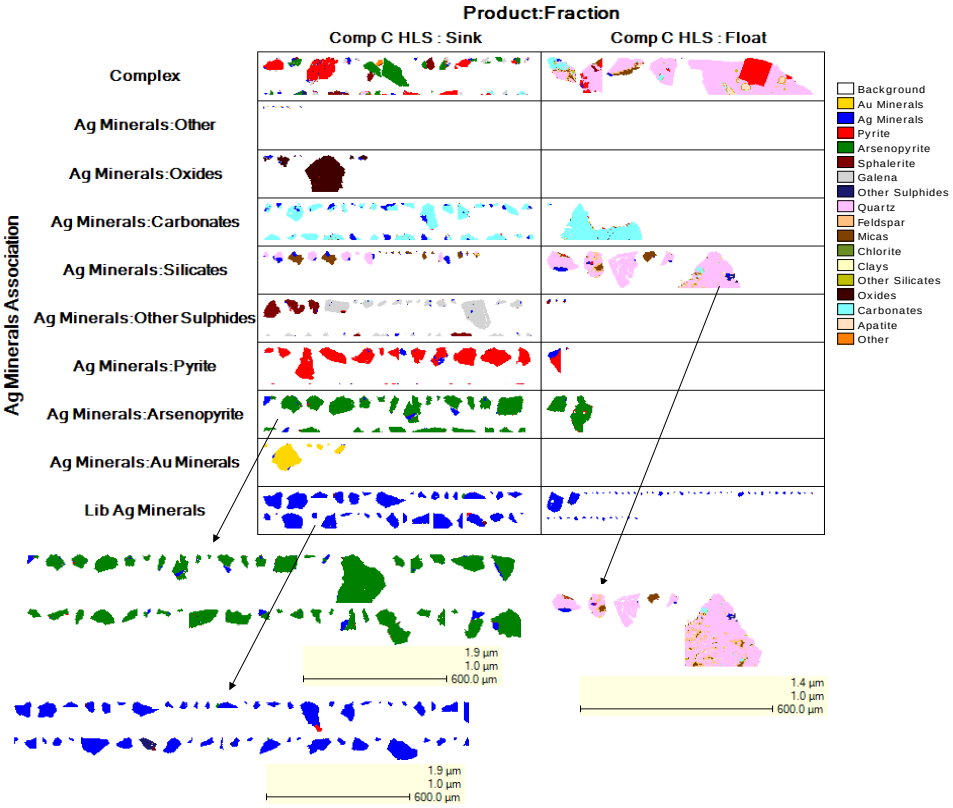
Image Grid- Ag Minerals Association Comp B



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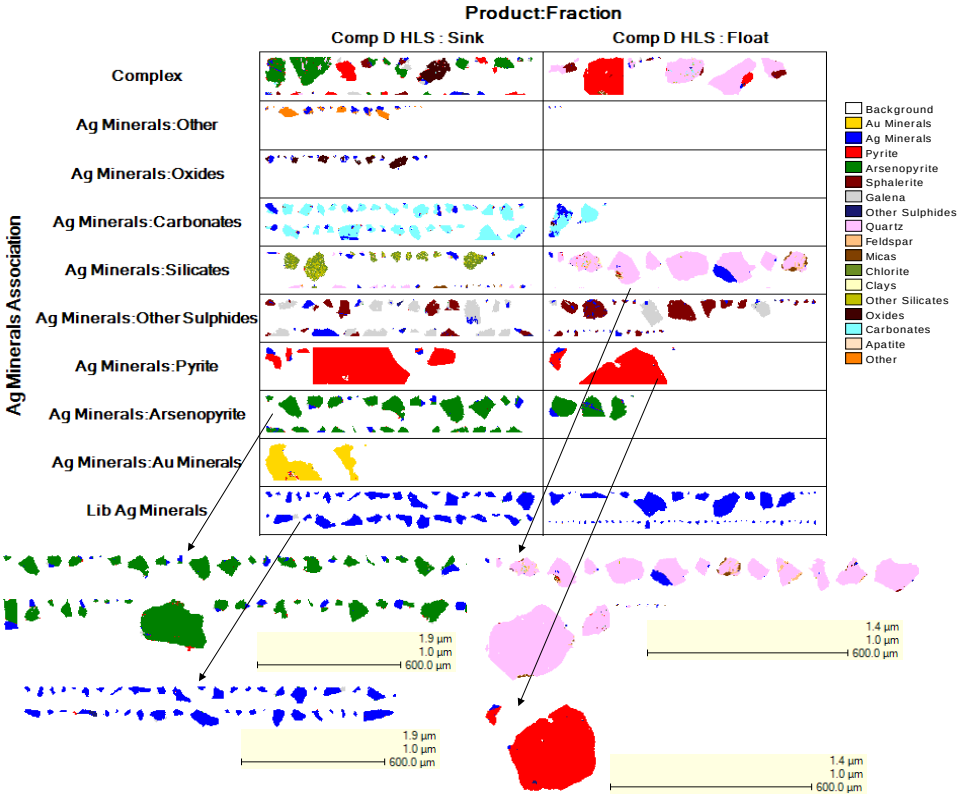
Image Grid- Ag Minerals Association Comp C



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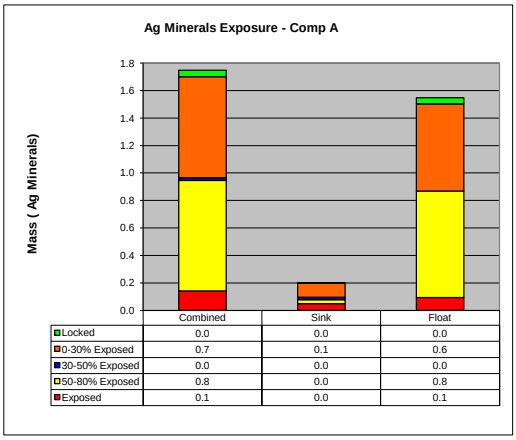
Image Grid- Ag Minerals Association Comp D

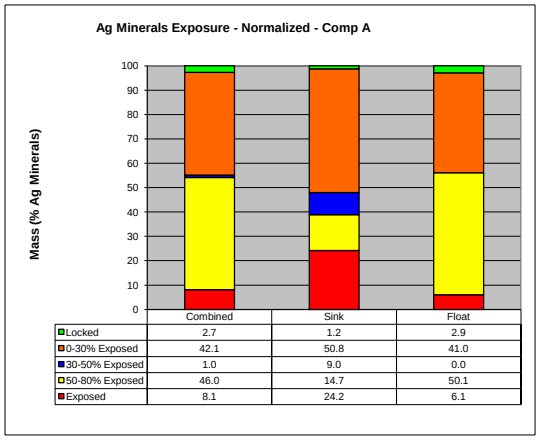


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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Minerals Exposure





Absolute Mass of Ag Minerals Across Fraction Comp A

Mineral Name	Combined	Sink	Float
Exposed	0.1	0.0	0.1
50-80% Exposed	0.8	0.0	0.8
30-50% Exposed	0.0	0.0	0.0
0-30% Exposed	0.7	0.1	0.6
Locked	0.0	0.0	0.0
Total	1.7	0.2	1.5
Total (% in fraction)	**100.0**	**11.4**	**88.6**

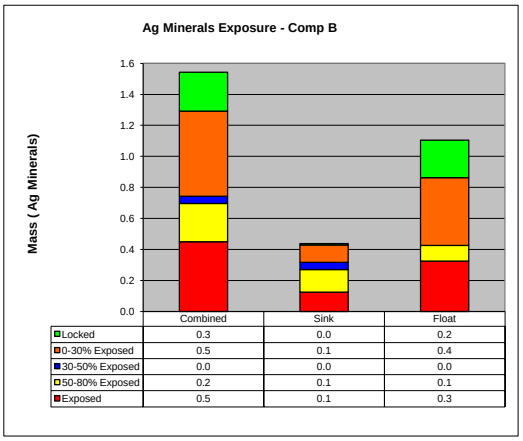
Normalized Mass of Ag Minerals Across Fraction Comp A

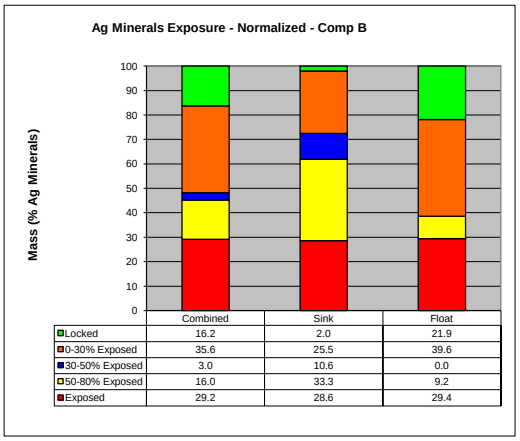
Mineral Name	Combined	Sink	Float
Exposed	8.1	24.2	6.1
50-80% Exposed	46.0	14.7	50.1
30-50% Exposed	1.0	9.0	0.0
0-30% Exposed	42.1	50.8	41.0
Locked	2.7	1.2	2.9
Total	**100.0**	**100.0**	**100.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Minerals Exposure





Absolute Mass of Ag Minerals Across Fraction Comp B

Mineral Name	Combined	Sink	Float
Exposed	0.5	0.1	0.3
50-80% Exposed	0.2	0.1	0.1
30-50% Exposed	0.0	0.0	0.0
0-30% Exposed	0.5	0.1	0.4
Locked	0.3	0.0	0.2
Total	1.5	0.4	1.1
Total (% in fraction)	**100.0**	**28.4**	**71.6**

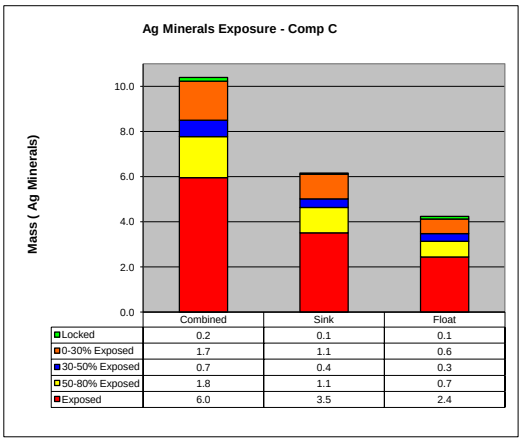
Normalized Mass of Ag Minerals Across Fraction Comp B

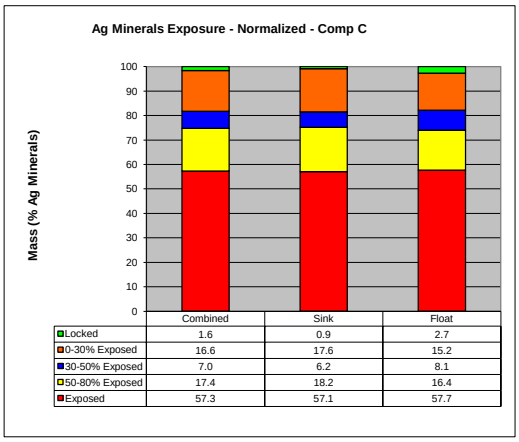
Mineral Name	Combined	Sink	Float
Exposed	29.2	28.6	29.4
50-80% Exposed	16.0	33.3	9.2
30-50% Exposed	3.0	10.6	0.0
0-30% Exposed	35.6	25.5	39.6
Locked	16.2	2.0	21.9
Total	**100.0**	**100.0**	**100.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Minerals Exposure





Absolute Mass of Ag Minerals Across Fraction Comp C

Mineral Name	Combined	Sink	Float
Exposed	6.0	3.5	2.4
50-80% Exposed	1.8	1.1	0.7
30-50% Exposed	0.7	0.4	0.3
0-30% Exposed	1.7	1.1	0.6
Locked	0.2	0.1	0.1
Total	10.4	6.2	4.2
Total (% in fraction)	**100.0**	**59.2**	**40.8**

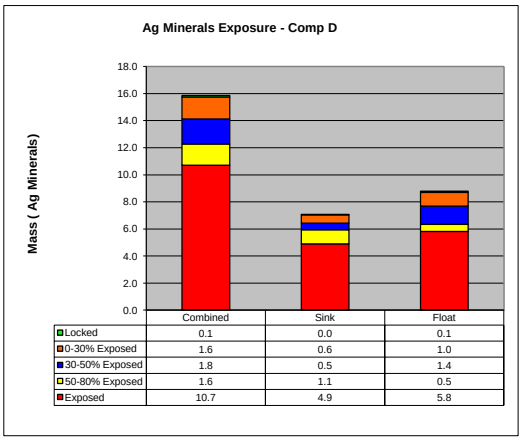
Normalized Mass of Ag Minerals Across Fraction Comp C

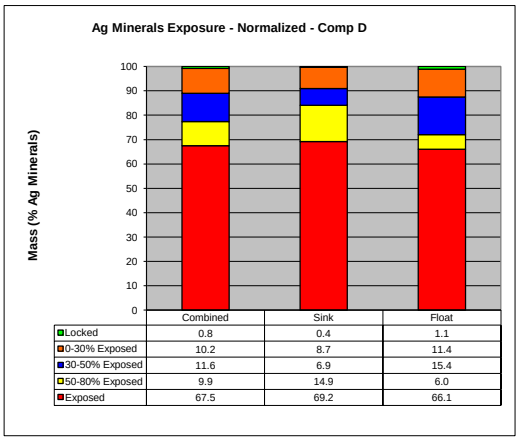
Mineral Name	Combined	Sink	Float
Exposed	57.3	57.1	57.7
50-80% Exposed	17.4	18.2	16.4
30-50% Exposed	7.0	6.2	8.1
0-30% Exposed	16.6	17.6	15.2
Locked	1.6	0.9	2.7
Total	**100.0**	**100.0**	**100.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Minerals Exposure





Absolute Mass of Ag Minerals Across Fraction Comp D

Mineral Name	Combined	Sink	Float
Exposed	10.7	4.9	5.8
50-80% Exposed	1.6	1.1	0.5
30-50% Exposed	1.8	0.5	1.4
0-30% Exposed	1.6	0.6	1.0
Locked	0.1	0.0	0.1
Total	15.9	7.1	8.8
Total (% in fraction)	**100.0**	**44.6**	**55.4**

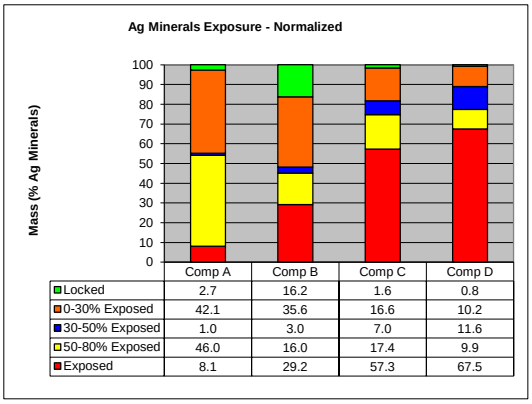
Normalized Mass of Ag Minerals Across Fraction Comp D

Mineral Name	Combined	Sink	Float
Exposed	67.5	69.2	66.1
50-80% Exposed	9.9	14.9	6.0
30-50% Exposed	11.6	6.9	15.4
0-30% Exposed	10.2	8.7	11.4
Locked	0.8	0.4	1.1
Total	**100.0**	**100.0**	**100.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Minerals Exposure



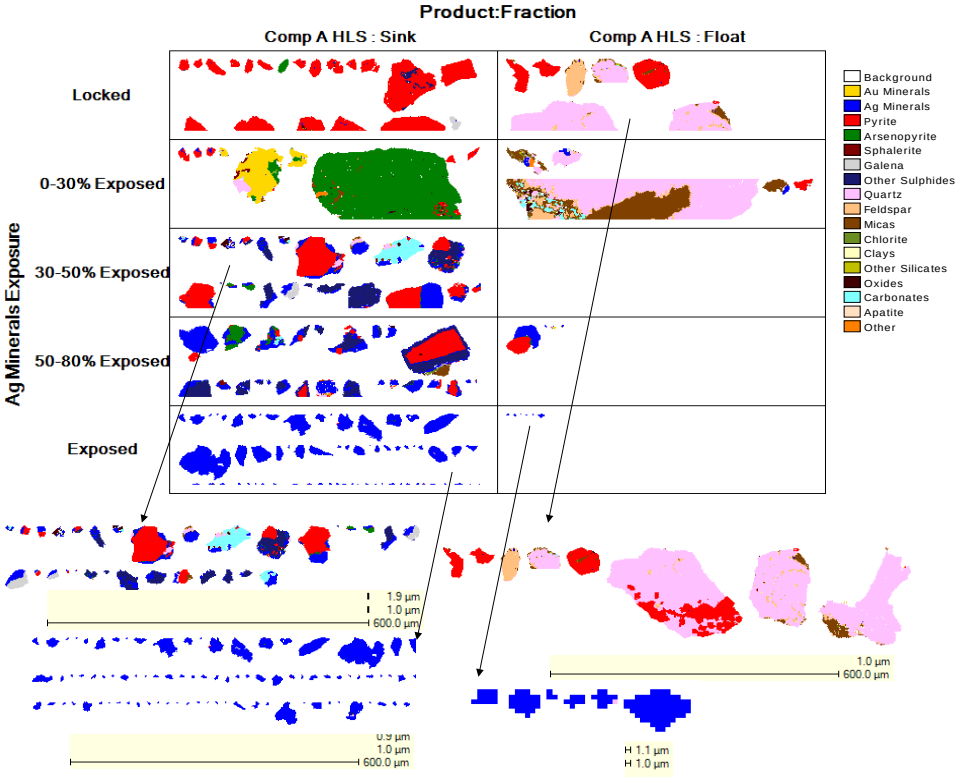
	Comp A	Comp B	Comp C	Comp D
Locked	2.7	16.2	1.6	0.8
0-30% Exposed	42.1	35.6	16.6	10.2
30-50% Exposed	1.0	3.0	7.0	11.6
50-80% Exposed	46.0	16.0	17.4	9.9
Exposed	8.1	29.2	57.3	67.5

Mineral Name	Comp A	Comp B	Comp C	Comp D
Exposed	8.1	29.2	57.3	67.5
50-80% Exposed	46.0	16.0	17.4	9.9
30-50% Exposed	1.0	3.0	7.0	11.6
0-30% Exposed	42.1	35.6	16.6	10.2
Locked	2.7	16.2	1.6	0.8
Total	**100.0**	**100.0**	**100.0**	**100.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

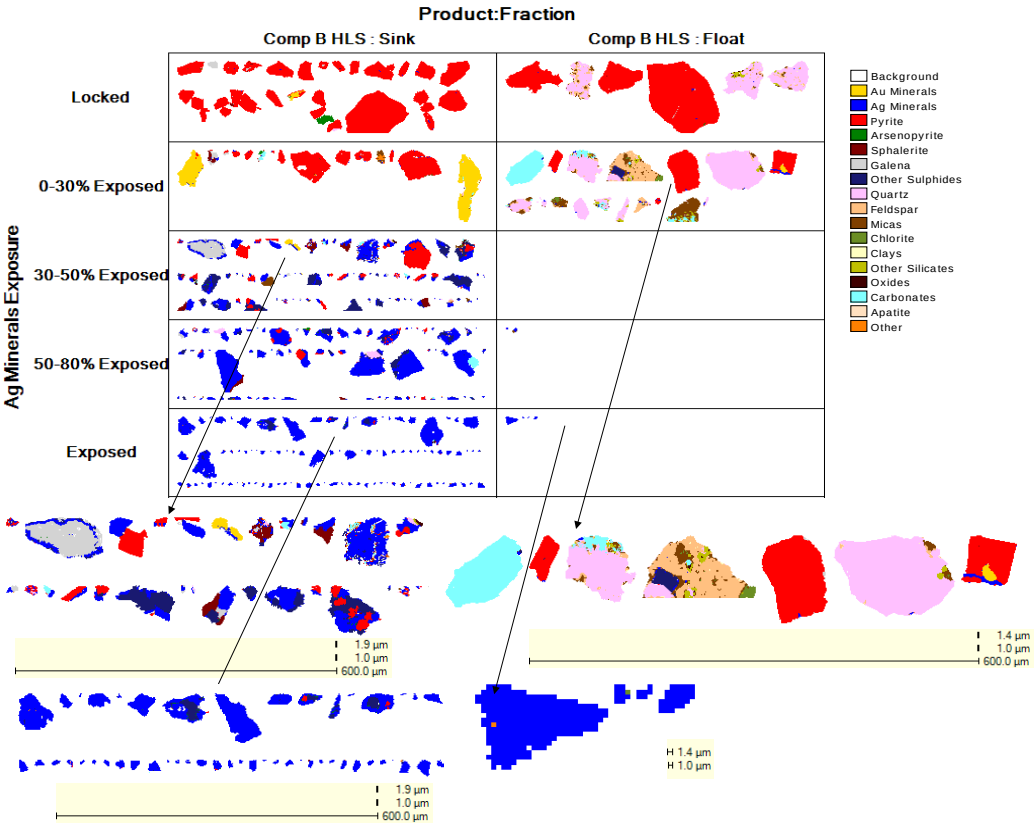
Image Grid- Ag Minerals Exposure Comp A



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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

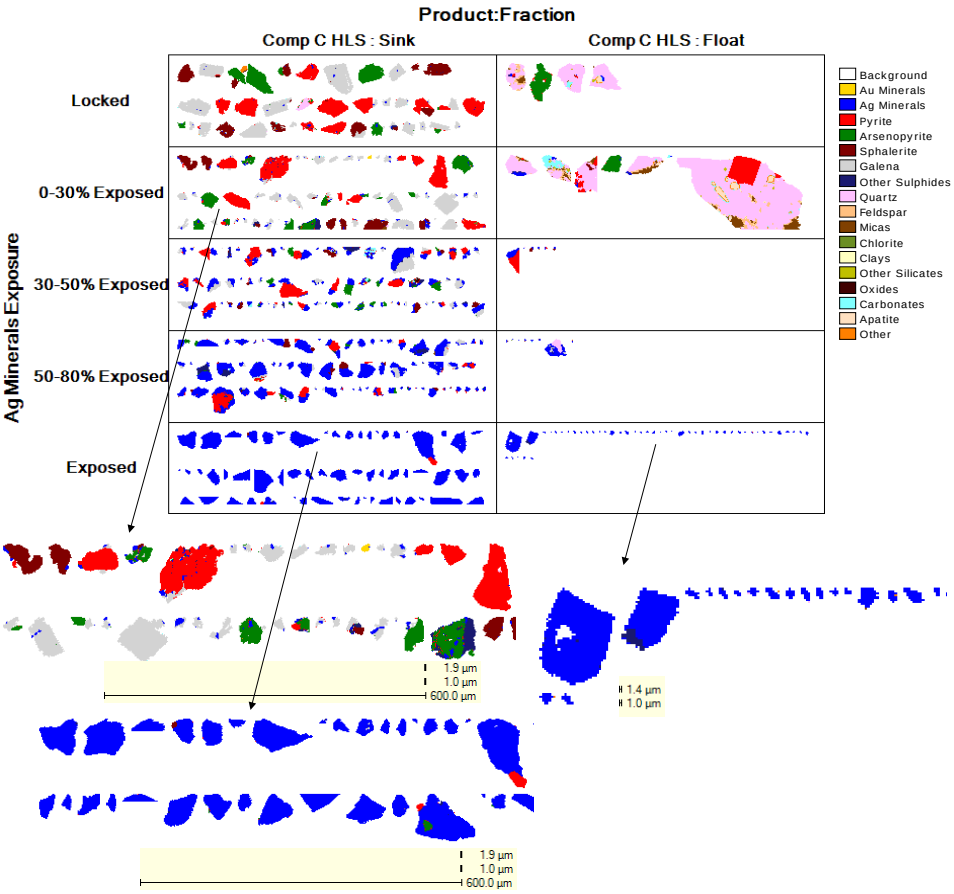
Image Grid- Ag Minerals Exposure Comp B



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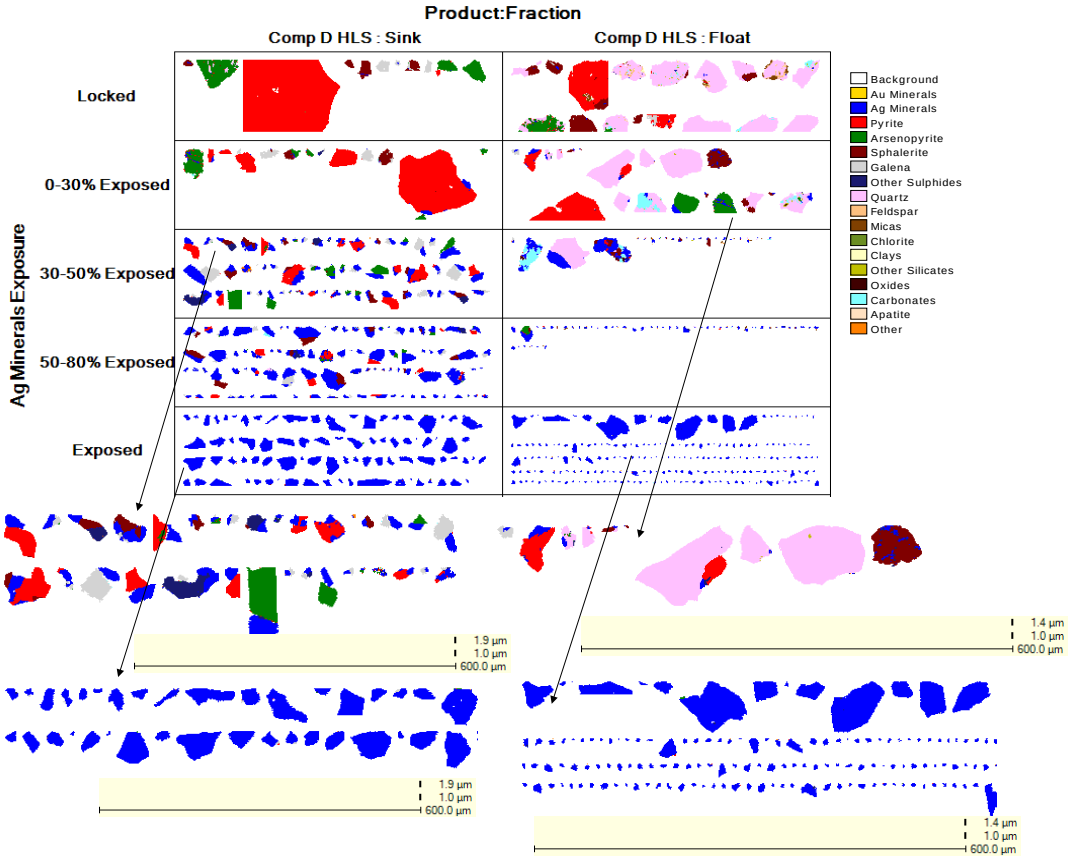
Image Grid- Ag Minerals Exposure Comp C



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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

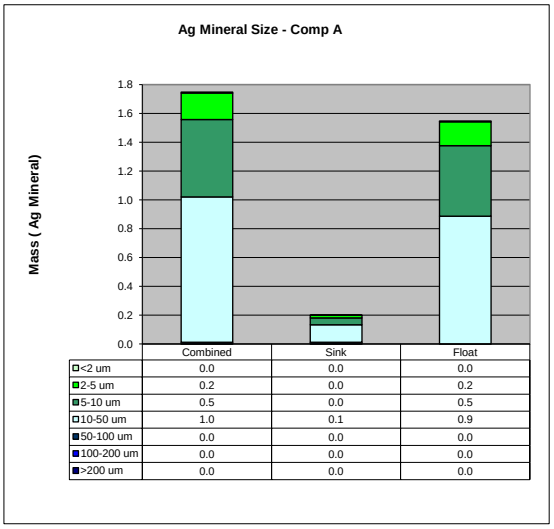
Image Grid- Ag Minerals Exposure Comp D



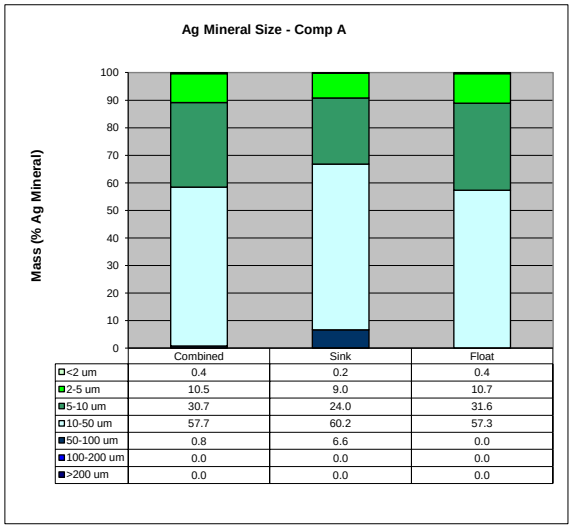
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CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Mineral Grain Size



	Combined	Sink	Float
<2 um	0.0	0.0	0.0
2-5 um	0.2	0.0	0.2
5-10 um	0.5	0.0	0.5
10-50 um	1.0	0.1	0.9
50-100 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
>200 um	0.0	0.0	0.0



	Combined	Sink	Float
<2 um	0.4	0.2	0.4
2-5 um	10.5	9.0	10.7
5-10 um	30.7	24.0	31.6
10-50 um	57.7	60.2	57.3
50-100 um	0.8	6.6	0.0
100-200 um	0.0	0.0	0.0
>200 um	0.0	0.0	0.0

Absolute Mass of Ag Mineral Across Fraction Comp A

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
50-100 um	0.0	0.0	0.0
10-50 um	1.0	0.1	0.9
5-10 um	0.5	0.0	0.5
2-5 um	0.2	0.0	0.2
<2 um	0.0	0.0	0.0
Total	1.7	0.2	1.5
Total (% in fraction)	**100.0**	**11.4**	**88.6**

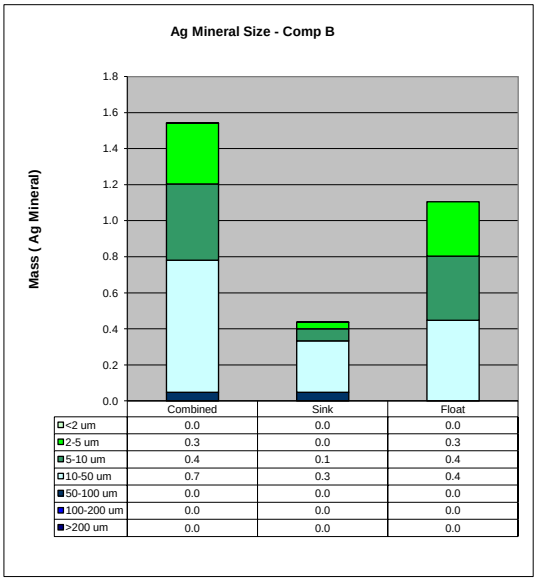
Normalized Mass of Ag Mineral Across Fraction Comp A

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
50-100 um	0.8	6.6	0.0
10-50 um	57.7	60.2	57.3
5-10 um	30.7	24.0	31.6
2-5 um	10.5	9.0	10.7
<2 um	0.4	0.2	0.4
Total	**100.0**	**100.0**	**100.0**

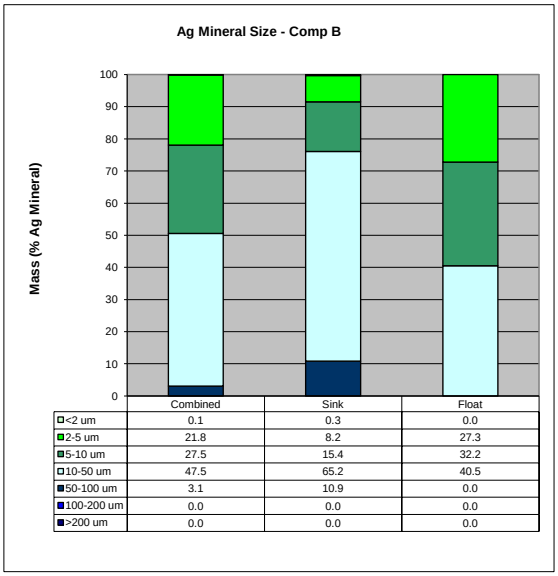
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Mineral Grain Size



	Combined	Sink	Float
<2 um	0.0	0.0	0.0
2-5 um	0.3	0.0	0.3
5-10 um	0.4	0.1	0.4
10-50 um	0.7	0.3	0.4
50-100 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
>200 um	0.0	0.0	0.0



	Combined	Sink	Float
<2 um	0.1	0.3	0.0
2-5 um	21.8	8.2	27.3
5-10 um	27.5	15.4	32.2
10-50 um	47.5	65.2	40.5
50-100 um	3.1	10.9	0.0
100-200 um	0.0	0.0	0.0
>200 um	0.0	0.0	0.0

Absolute Mass of Ag Mineral Across Fraction Comp B

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
50-100 um	0.0	0.0	0.0
10-50 um	0.7	0.3	0.4
5-10 um	0.4	0.1	0.4
2-5 um	0.3	0.0	0.3
<2 um	0.0	0.0	0.0
Total	1.5	0.4	1.1
Total (% in fraction)	**100.0**	**28.4**	**71.6**

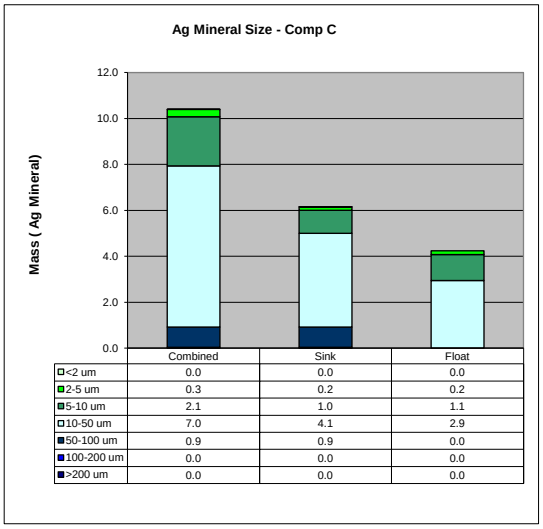
Normalized Mass of Ag Mineral Across Fraction Comp B

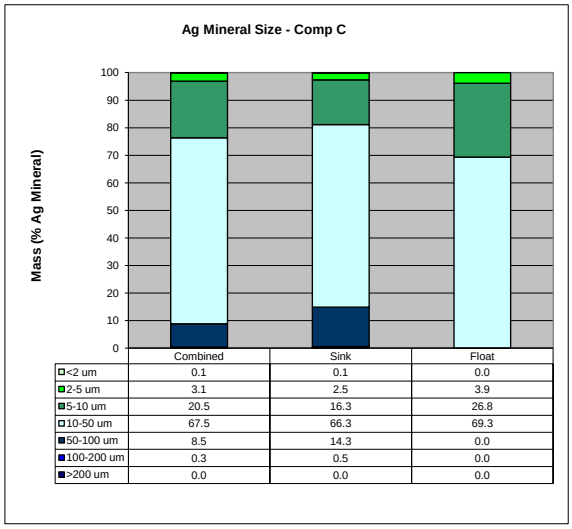
Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
50-100 um	3.1	10.9	0.0
10-50 um	47.5	65.2	40.5
5-10 um	27.5	15.4	32.2
2-5 um	21.8	8.2	27.3
<2 um	0.1	0.3	0.0
Total	**100.0**	**100.0**	**100.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Mineral Grain Size





Absolute Mass of Ag Mineral Across Fraction Comp C

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
50-100 um	0.9	0.9	0.0
10-50 um	7.0	4.1	2.9
5-10 um	2.1	1.0	1.1
2-5 um	0.3	0.2	0.2
<2 um	0.0	0.0	0.0
Total	10.4	6.2	4.2
Total (% in fraction)	**100.0**	**59.2**	**40.8**

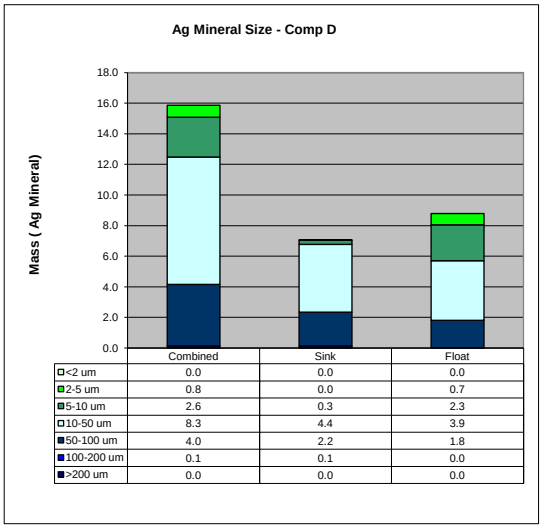
Normalized Mass of Ag Mineral Across Fraction Comp C

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.3	0.5	0.0
50-100 um	8.5	14.3	0.0
10-50 um	67.5	66.3	69.3
5-10 um	20.5	16.3	26.8
2-5 um	3.1	2.5	3.9
<2 um	0.1	0.1	0.0
Total	**100.0**	**100.0**	**100.0**

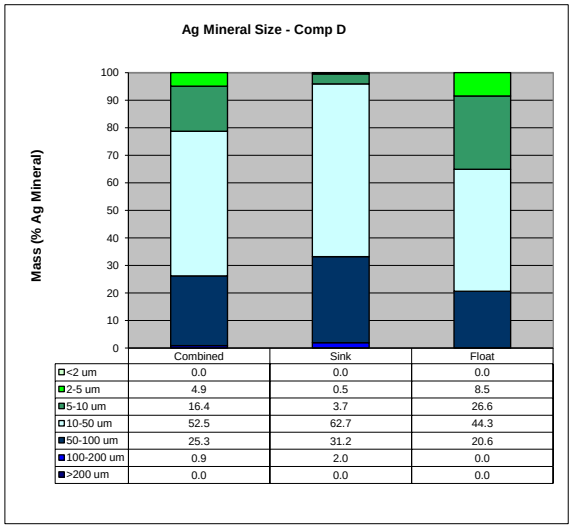
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Mineral Grain Size



	Combined	Sink	Float
<2 um	0.0	0.0	0.0
2-5 um	0.8	0.0	0.7
5-10 um	2.6	0.3	2.3
10-50 um	8.3	4.4	3.9
50-100 um	4.0	2.2	1.8
100-200 um	0.1	0.1	0.0
>200 um	0.0	0.0	0.0



	Combined	Sink	Float
<2 um	0.0	0.0	0.0
2-5 um	4.9	0.5	8.5
5-10 um	16.4	3.7	26.6
10-50 um	52.5	62.7	44.3
50-100 um	25.3	31.2	20.6
100-200 um	0.9	2.0	0.0
>200 um	0.0	0.0	0.0

Absolute Mass of Ag Mineral Across Fraction Comp D

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.1	0.1	0.0
50-100 um	4.0	2.2	1.8
10-50 um	8.3	4.4	3.9
5-10 um	2.6	0.3	2.3
2-5 um	0.8	0.0	0.7
<2 um	0.0	0.0	0.0
Total	15.9	7.1	8.8
Total (% in fraction)	**100.0**	**44.6**	**55.4**

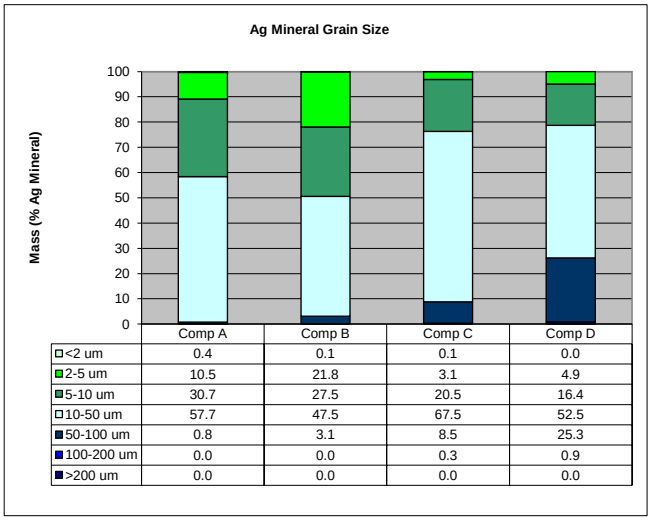
Normalized Mass of Ag Mineral Across Fraction Comp D

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.9	2.0	0.0
50-100 um	25.3	31.2	20.6
10-50 um	52.5	62.7	44.3
5-10 um	16.4	3.7	26.6
2-5 um	4.9	0.5	8.5
<2 um	0.0	0.0	0.0
Total	**100.0**	**100.0**	**100.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Mineral Grain Size



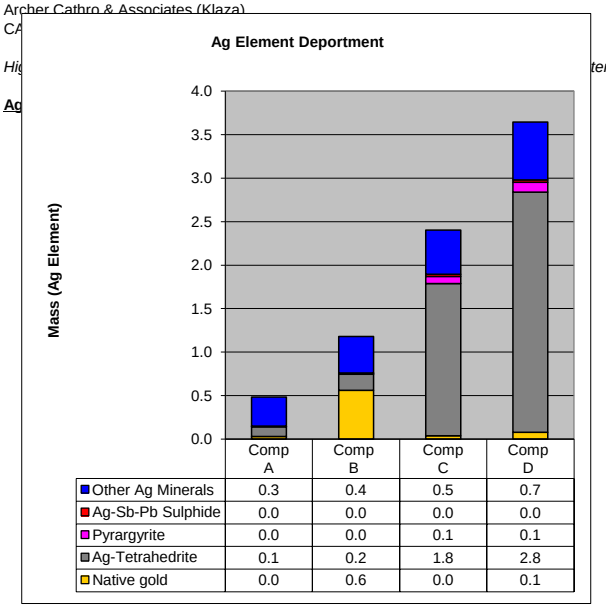
	Comp A	Comp B	Comp C	Comp D
<2 um	0.4	0.1	0.1	0.0
2-5 um	10.5	21.8	3.1	4.9
5-10 um	30.7	27.5	20.5	16.4
10-50 um	57.7	47.5	67.5	52.5
50-100 um	0.8	3.1	8.5	25.3
100-200 um	0.0	0.0	0.3	0.9
>200 um	0.0	0.0	0.0	0.0

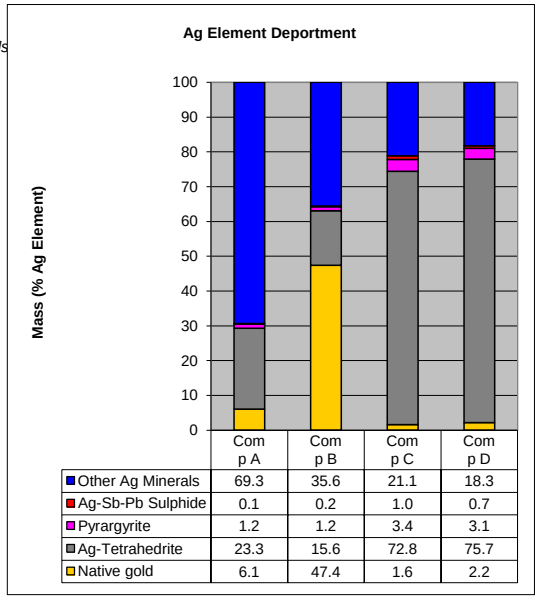
Mineral Size	Comp A	Comp B	Comp C	Comp D
>200 um	0.0	0.0	0.0	0.0
100-200 um	0.0	0.0	0.3	0.9
50-100 um	0.8	3.1	8.5	25.3
10-50 um	57.7	47.5	67.5	52.5
5-10 um	30.7	27.5	20.5	16.4
2-5 um	10.5	21.8	3.1	4.9
<2 um	0.4	0.1	0.1	0.0
Total	**100.0**	**100.0**	**100.0**	**100.0**

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Absolute Mass of Ag Element Across Samples

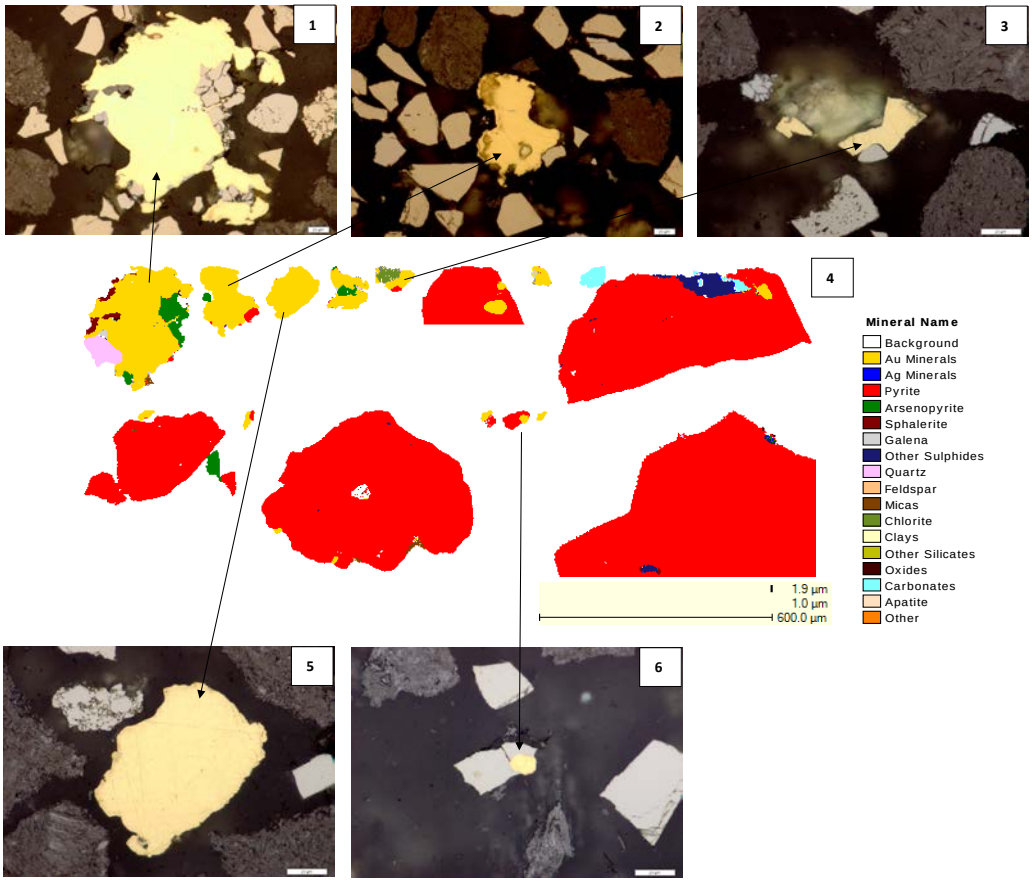
Mineral Name	Comp A	Comp B	Comp C	Comp D
Native gold	0.0	0.6	0.0	0.1
Ag-Tetrahedrite	0.1	0.2	1.8	2.8
Pyrargyrite	0.0	0.0	0.1	0.1
Ag-Sb-Pb Sulphide	0.0	0.0	0.0	0.0
Other Ag Minerals	0.3	0.4	0.5	0.7
Total	**0.5**	**1.2**	**2.4**	**3.6**

Normalized Mass of Ag Element Across Samples

Mineral Name	Comp A	Comp B	Comp C	Comp D
Native gold	6.1	47.4	1.6	2.2
Ag-Tetrahedrite	23.3	15.6	72.8	75.7
Pyrargyrite	1.2	1.2	3.4	3.1
Ag-Sb-Pb Sulphide	0.1	0.2	1.0	0.7
Other Ag Minerals	69.3	35.6	21.1	18.3
Total	**100.0**	**100.0**	**100.0**	**100.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

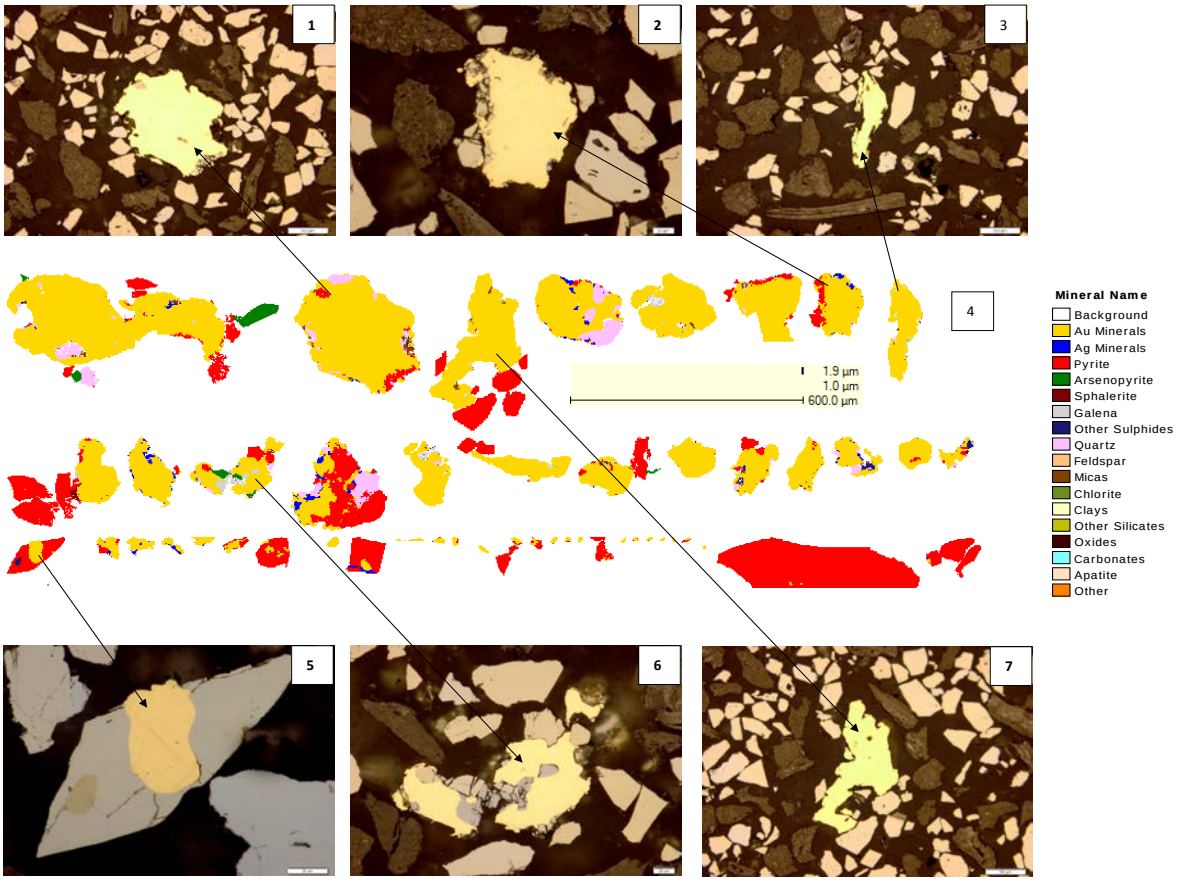


Photomicrograph of Selected Gold Grains and Corresponding QEMSCAN Pseudo Images from the MZ Tip of Comp A Sink Fraction

Plates 1, 2, 3, 5 and 6: Photomicrographs of liberated and attached gold grains; Plane polarized reflected light (PPRL). Plate 4: QEMSCAN pseudo images of corresponding gold grains.

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

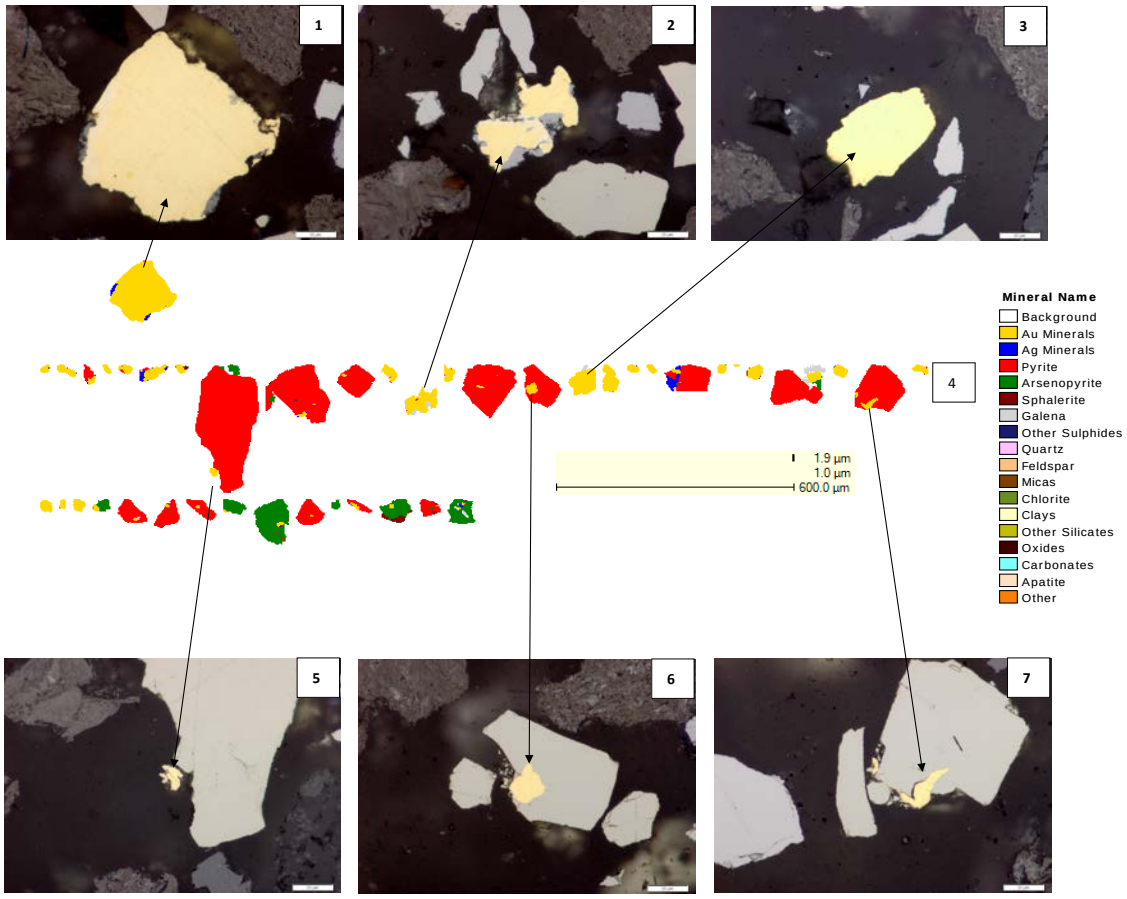


Photomicrograph of Selected Gold Grains and Corresponding QEMSCAN Pseudo Images from the MZ Tip of Comp B Sink Fraction

Plates 1, 2, 3, 5, 6 and 7: Photomicrographs of liberated and attached gold grains; Plane polarized reflected light (PPRL). Plate 4: QEMSCAN pseudo images of corresponding gold grains.

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

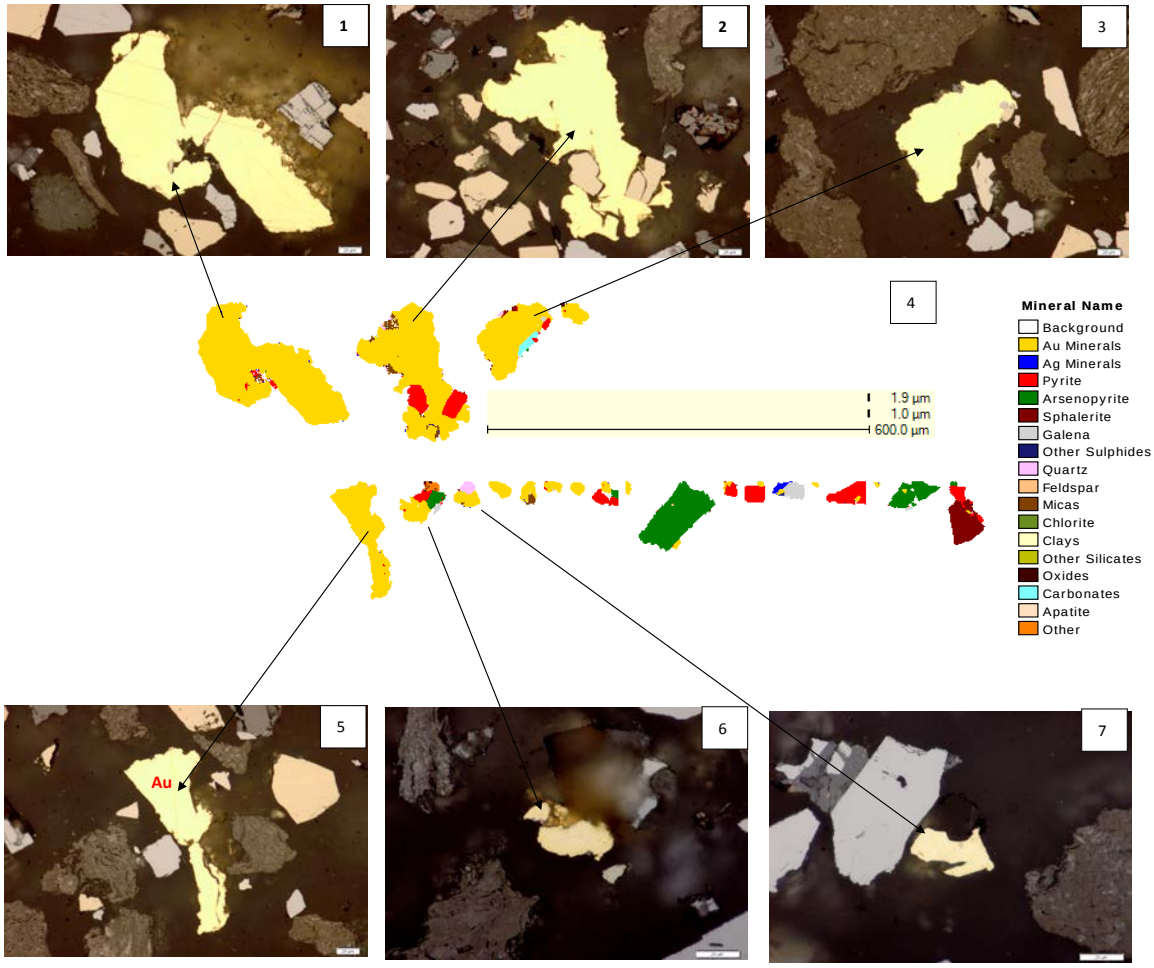


Photomicrograph of Selected Gold Grains and Corresponding QEMSCAN Pseudo Images from the MZ Tip of Comp C Sink Fraction

Plates 1, 2, 3, 5, 6 and 7: Photomicrographs of liberated, attached and locked gold grains; Plane polarized reflected light (PPRL). Plate 4: QEMSCAN pseudo images of corresponding gold grains.

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)



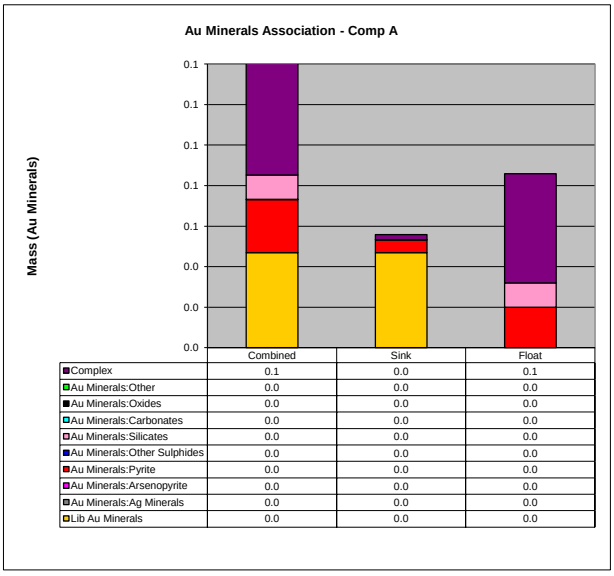
Photomicrograph of Selected Gold Grains and Corresponding QEMSCAN Pseudo Images from the MZ Tip of Comp D Sink Fraction

Plates 1, 2, 3, 5 and 6: Photomicrographs of liberated gold grains; Plane polarized reflected light (PPRL). Plate 4: QEMSCAN pseudo images of corresponding gold grains.

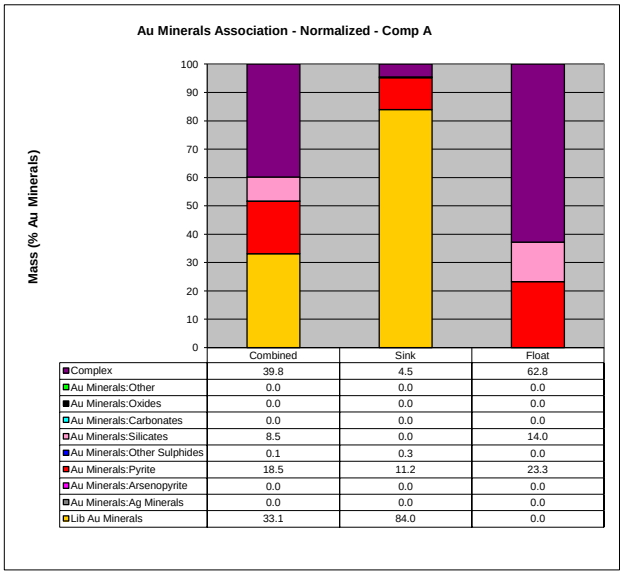
Archer,Cathro & Associates (Klaza)
CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Association



	Combined	Sink	Float
Complex	0.1	0.0	0.1
Au Minerals:Other	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Other Sulphides	0.0	0.0	0.0
Au Minerals:Pyrite	0.0	0.0	0.0
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Lib Au Minerals	0.0	0.0	0.0



	Combined	Sink	Float
Complex	39.8	4.5	62.8
Au Minerals:Other	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Silicates	8.5	0.0	14.0
Au Minerals:Other Sulphides	0.1	0.3	0.0
Au Minerals:Pyrite	18.5	11.2	23.3
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Lib Au Minerals	33.1	84.0	0.0

Absolute Mass of Au Minerals Across Fraction Comp A

Mineral Name	Combined	Sink	Float
Lib Au Minerals	0.0	0.0	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Pyrite	0.0	0.0	0.0
Au Minerals:Other Sulphides	0.0	0.0	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Other	0.0	0.0	0.0
Complex	0.1	0.0	0.1
Total	0.1	0.1	0.1
Total (% in fraction)	**100.0**	**39.4**	**60.6**

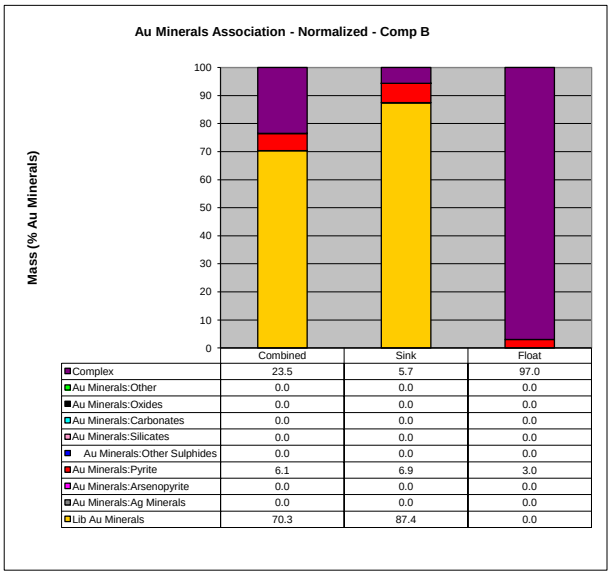
Normalized Mass of Au Minerals Across Fraction Comp A

Mineral Name	Combined	Sink	Float
Lib Au Minerals	33.1	84.0	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Pyrite	18.5	11.2	23.3
Au Minerals:Other Sulphides	0.1	0.3	0.0
Au Minerals:Silicates	8.5	0.0	14.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Other	0.0	0.0	0.0
Complex	39.8	4.5	62.8
Total	100.0	100.0	100.0
Liberated	**33.1**	**84.0**	**0.0**

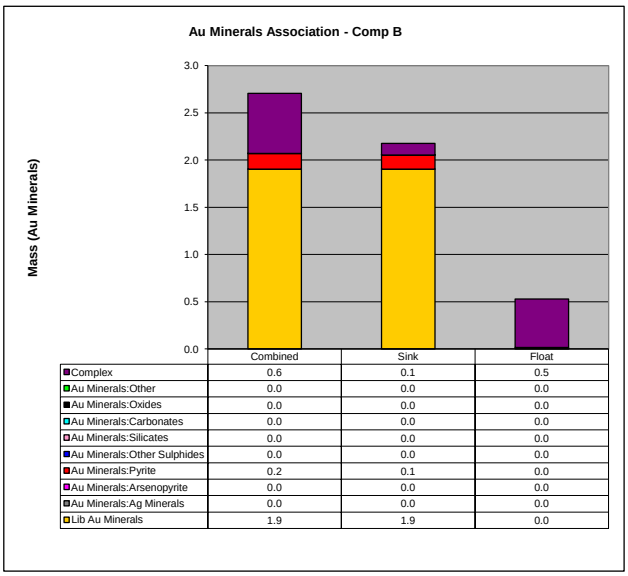
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Association



	Combined	Sink	Float
Complex	23.5	5.7	97.0
Au Minerals:Other	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Other Sulphides	0.0	0.0	0.0
Au Minerals:Pyrite	6.1	6.9	3.0
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Lib Au Minerals	70.3	87.4	0.0



	Combined	Sink	Float
Complex	0.6	0.1	0.5
Au Minerals:Other	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Other Sulphides	0.0	0.0	0.0
Au Minerals:Pyrite	0.2	0.1	0.0
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Lib Au Minerals	1.9	1.9	0.0

Absolute Mass of Au Minerals Across Fraction Comp B

Mineral Name	Combined	Sink	Float
Lib Au Minerals	1.9	1.9	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Pyrite	0.2	0.1	0.0
Au Minerals:Other Sulphides	0.0	0.0	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Other	0.0	0.0	0.0
Complex	0.6	0.1	0.5
Total	2.7	2.2	0.5
Total (% in fraction)	**100.0**	**80.4**	**19.6**

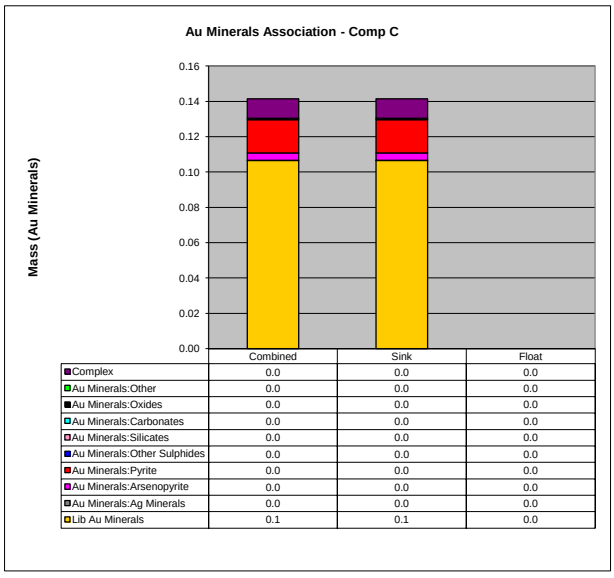
Normalized Mass of Au Minerals Across Fraction Comp B

Mineral Name	Combined	Sink	Float
Lib Au Minerals	70.3	87.4	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Pyrite	6.1	6.9	3.0
Au Minerals:Other Sulphides	0.0	0.0	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Other	0.0	0.0	0.0
Complex	23.5	5.7	97.0
Total	100.0	100.0	100.0
Liberated	**70.3**	**87.4**	**0.0**

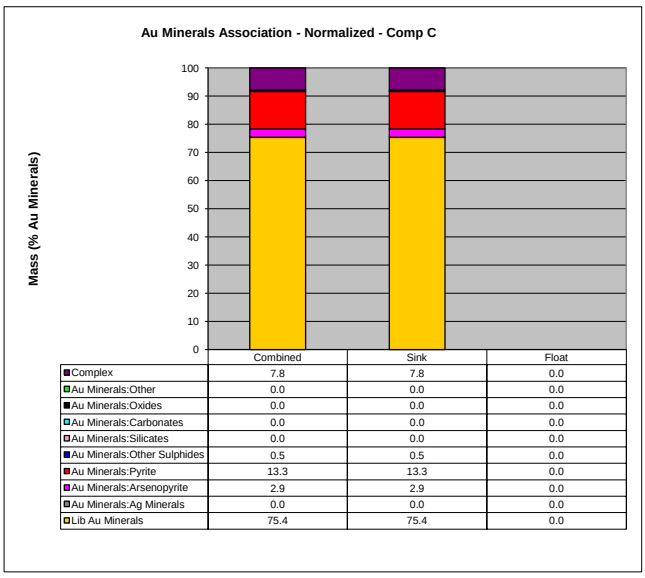
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Association



	Combined	Sink	Float
Complex	0.0	0.0	0.0
Au Minerals:Other	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Other Sulphides	0.0	0.0	0.0
Au Minerals:Pyrite	0.0	0.0	0.0
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Lib Au Minerals	0.1	0.1	0.0



	Combined	Sink	Float
Complex	7.8	7.8	0.0
Au Minerals:Other	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Other Sulphides	0.5	0.5	0.0
Au Minerals:Pyrite	13.3	13.3	0.0
Au Minerals:Arsenopyrite	2.9	2.9	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Lib Au Minerals	75.4	75.4	0.0

Absolute Mass of Au Minerals Across Fraction Comp C

Mineral Name	Combined	Sink	Float
Lib Au Minerals	0.1	0.1	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Pyrite	0.0	0.0	0.0
Au Minerals:Other Sulphides	0.0	0.0	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Other	0.0	0.0	0.0
Complex	0.0	0.0	0.0
Total	0.1	0.1	0.0
Total (% in fraction)	**100.0**	**100.0**	**0.0**

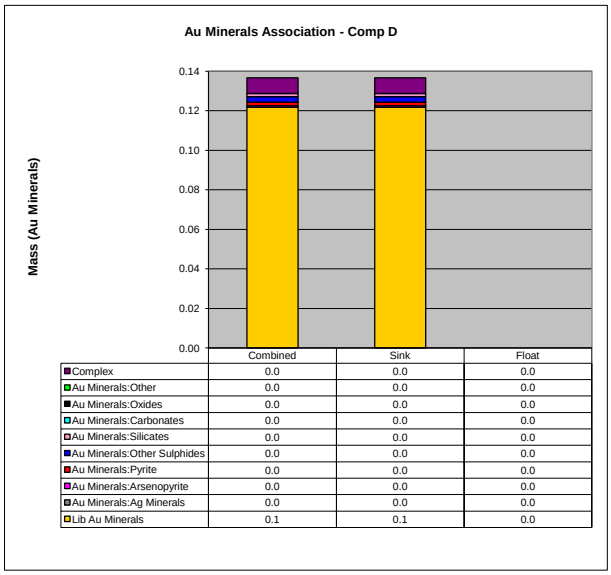
Normalized Mass of Au Minerals Across Fraction Comp C

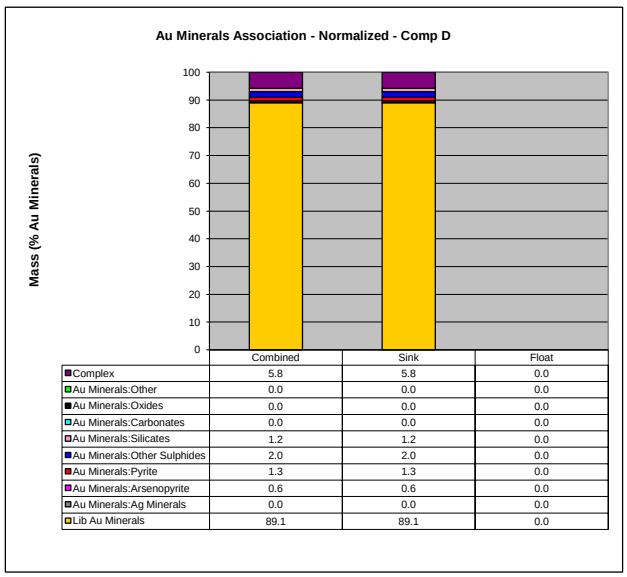
Mineral Name	Combined	Sink	Float
Lib Au Minerals	75.4	75.4	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Au Minerals:Arsenopyrite	2.9	2.9	0.0
Au Minerals:Pyrite	13.3	13.3	0.0
Au Minerals:Other Sulphides	0.5	0.5	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Other	0.0	0.0	0.0
Complex	7.8	7.8	0.0
Total	100.0	100.0	0.0
Liberated	**75.4**	**75.4**	**0.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Association





Absolute Mass of Au Minerals Across Fraction Comp D

Mineral Name	Combined	Sink	Float
Lib Au Minerals	0.1	0.1	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Au Minerals:Arsenopyrite	0.0	0.0	0.0
Au Minerals:Pyrite	0.0	0.0	0.0
Au Minerals:Other Sulphides	0.0	0.0	0.0
Au Minerals:Silicates	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Other	0.0	0.0	0.0
Complex	0.0	0.0	0.0
Total	0.1	0.1	0.0
Total (% in fraction)	**100.0**	**100.0**	**0.0**

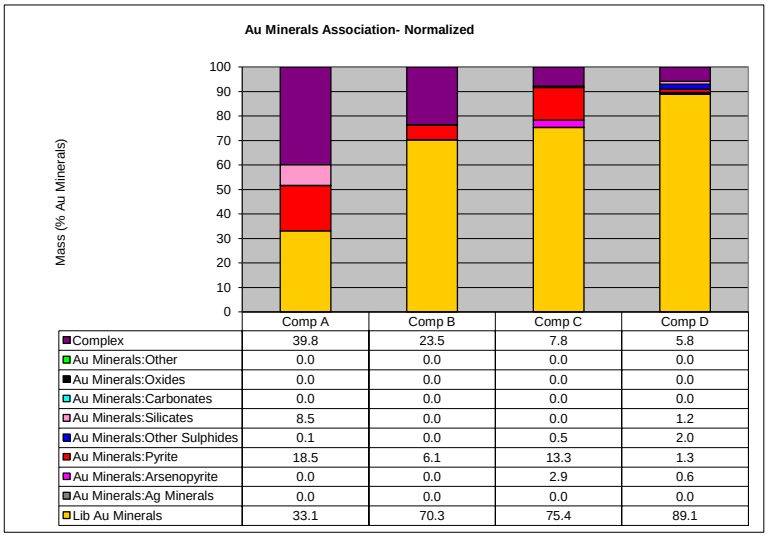
Normalized Mass of Au Minerals Across Fraction Comp D

Mineral Name	Combined	Sink	Float
Lib Au Minerals	89.1	89.1	0.0
Au Minerals:Ag Minerals	0.0	0.0	0.0
Au Minerals:Arsenopyrite	0.6	0.6	0.0
Au Minerals:Pyrite	1.3	1.3	0.0
Au Minerals:Other Sulphides	2.0	2.0	0.0
Au Minerals:Silicates	1.2	1.2	0.0
Au Minerals:Carbonates	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0
Au Minerals:Other	0.0	0.0	0.0
Complex	5.8	5.8	0.0
Total	100.0	100.0	0.0
Liberated	**89.1**	**89.1**	**0.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Association



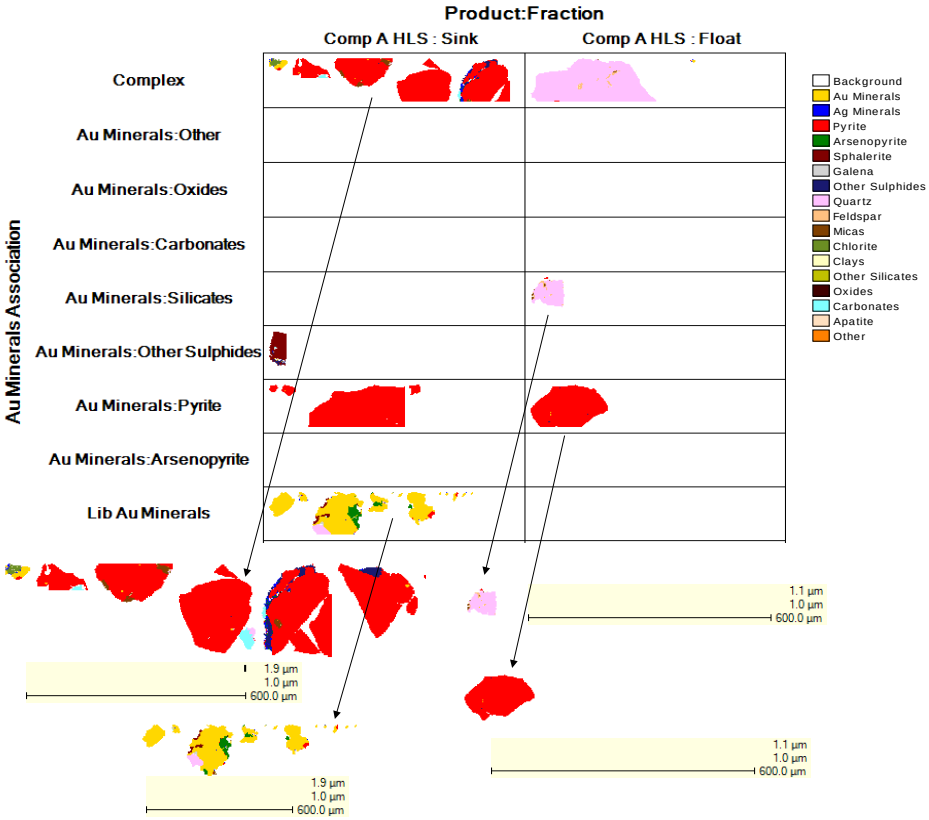
	Comp A	Comp B	Comp C	Comp D
Complex	39.8	23.5	7.8	5.8
Au Minerals:Other	0.0	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0	0.0
Au Minerals:Carbonates	0.0	0.0	0.0	0.0
Au Minerals:Silicates	8.5	0.0	0.0	1.2
Au Minerals:Other Sulphides	0.1	0.0	0.5	2.0
Au Minerals:Pyrite	18.5	6.1	13.3	1.3
Au Minerals:Arsenopyrite	0.0	0.0	2.9	0.6
Au Minerals:Ag Minerals	0.0	0.0	0.0	0.0
Lib Au Minerals	33.1	70.3	75.4	89.1

Mineral Name	Comp A	Comp B	Comp C	Comp D
Lib Au Minerals	33.1	70.3	75.4	89.1
Au Minerals:Ag Minerals	0.0	0.0	0.0	0.0
Au Minerals:Arsenopyrite	0.0	0.0	2.9	0.6
Au Minerals:Pyrite	18.5	6.1	13.3	1.3
Au Minerals:Other Sulphides	0.1	0.0	0.5	2.0
Au Minerals:Silicates	8.5	0.0	0.0	1.2
Au Minerals:Carbonates	0.0	0.0	0.0	0.0
Au Minerals:Oxides	0.0	0.0	0.0	0.0
Au Minerals:Other	0.0	0.0	0.0	0.0
Complex	39.8	23.5	7.8	5.8
Total	100.0	100.0	100.0	100.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

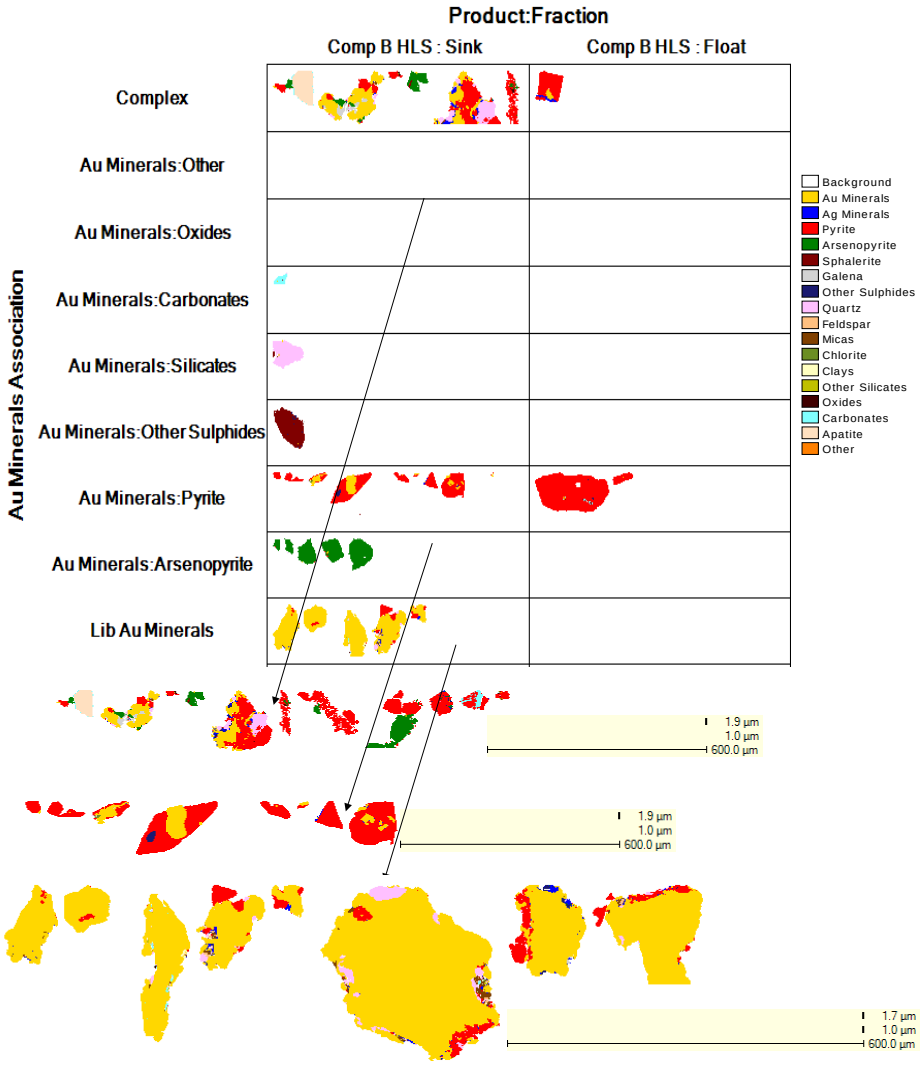
Image Grid- Au Minerals Association Comp A



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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

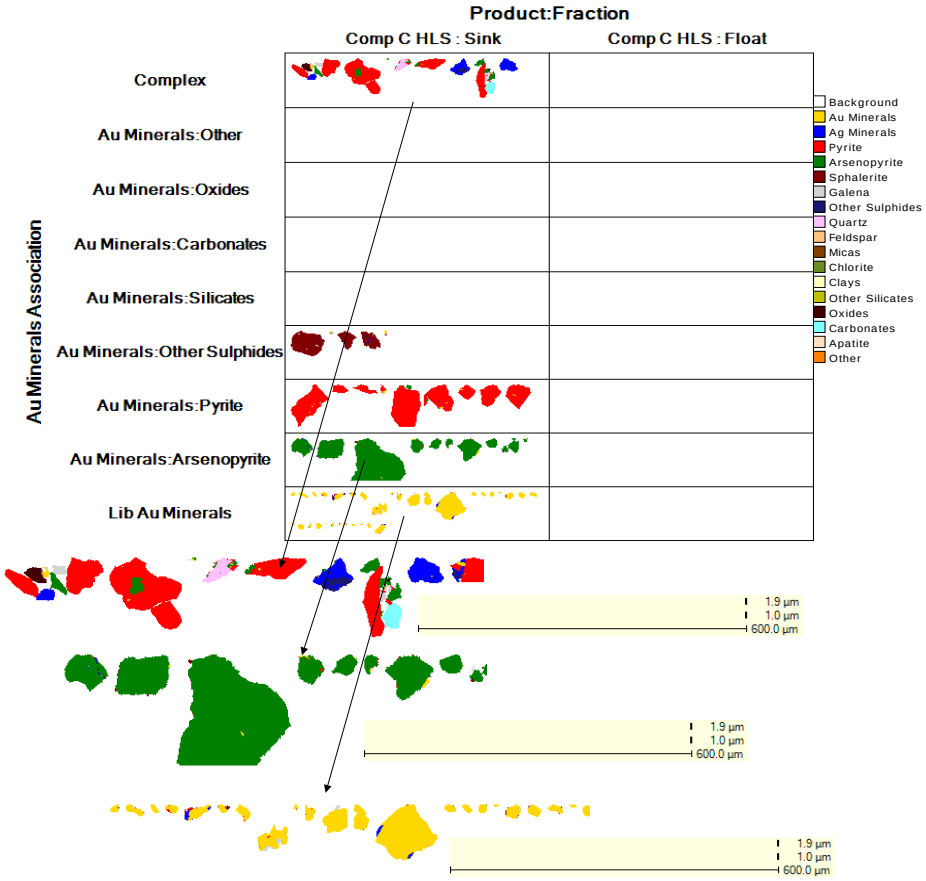
Image Grid- Au Minerals Association Comp B



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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

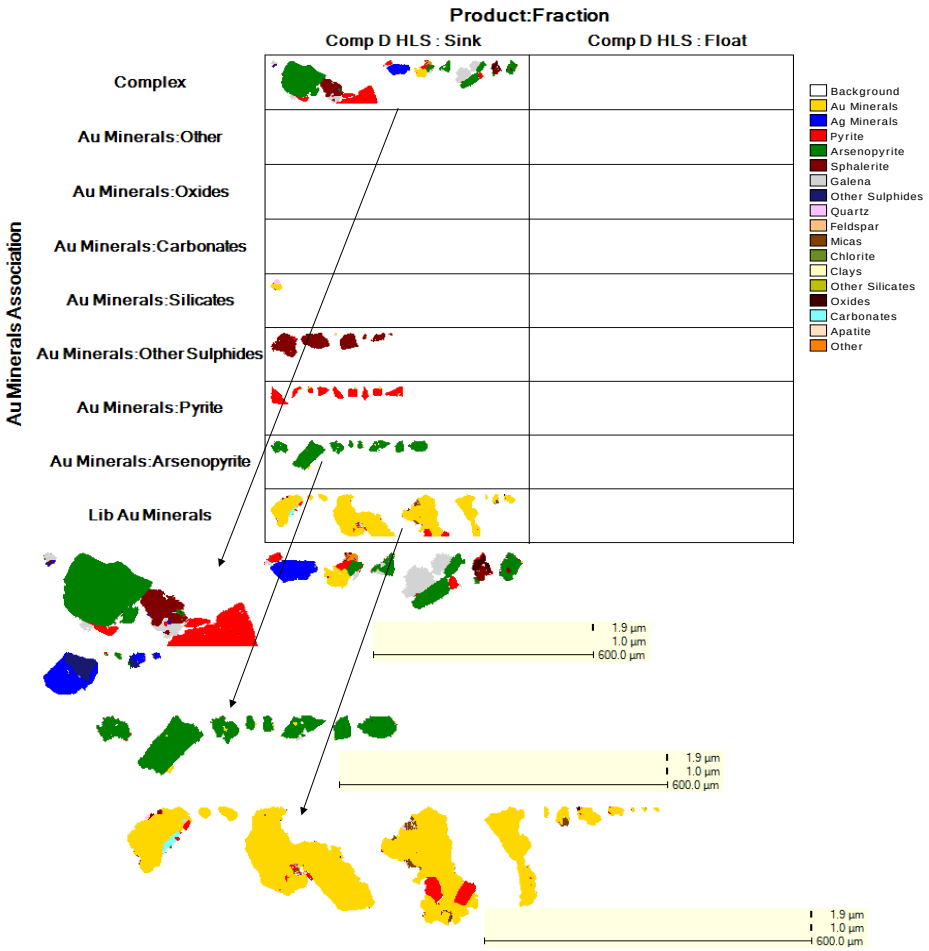
Image Grid- Au Minerals Association Comp C



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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

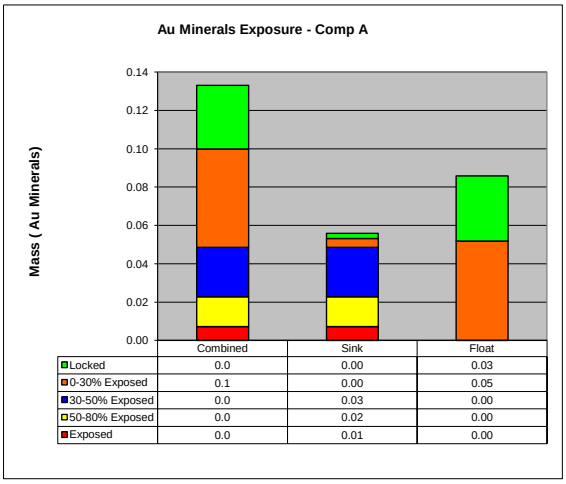
Image Grid- Au Minerals Association Comp D

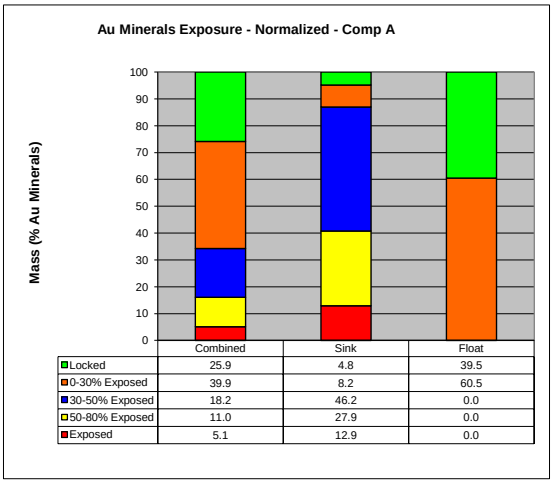


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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Exposure





Absolute Mass of Au Minerals Across Fraction Comp A

Mineral Name	Combined	Sink	Float
Exposed	0.0	0.01	0.00
50-80% Exposed	0.0	0.02	0.00
30-50% Exposed	0.0	0.03	0.00
0-30% Exposed	0.1	0.00	0.05
Locked	0.0	0.00	0.03
Total	0.1	0.1	0.1
Total (% in fraction)	100.0	39.4	60.6

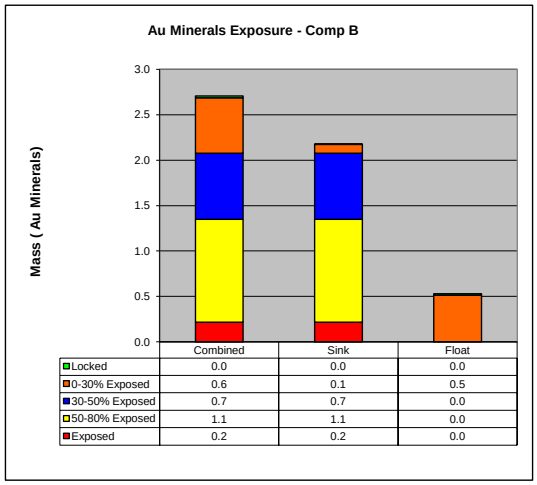
Normalized Mass of Au Minerals Across Fraction Comp A

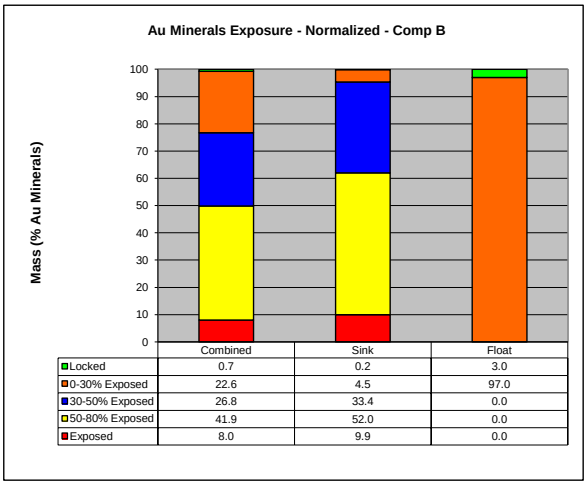
Mineral Name	Combined	Sink	Float
Exposed	5.1	12.9	0.0
50-80% Exposed	11.0	27.9	0.0
30-50% Exposed	18.2	46.2	0.0
0-30% Exposed	39.9	8.2	60.5
Locked	25.9	4.8	39.5
Total	100.0	100.0	100.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Exposure





Absolute Mass of Au Minerals Across Fraction Comp B

Mineral Name	Combined	Sink	Float
Exposed	0.2	0.2	0.0
50-80% Exposed	1.1	1.1	0.0
30-50% Exposed	0.7	0.7	0.0
0-30% Exposed	0.6	0.1	0.5
Locked	0.0	0.0	0.0
Total	2.7	2.2	0.5
Total (% in fraction)	100.0	80.4	19.6

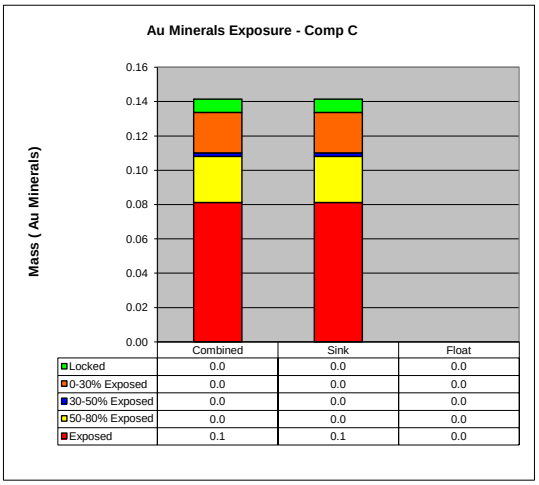
Normalized Mass of Au Minerals Across Fraction Comp B

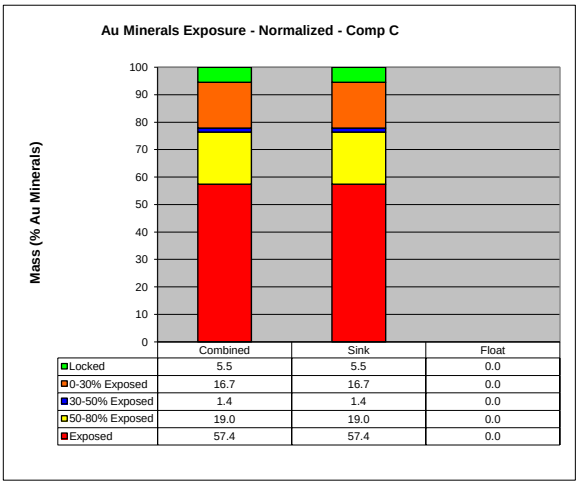
Mineral Name	Combined	Sink	Float
Exposed	8.0	9.9	0.0
50-80% Exposed	41.9	52.0	0.0
30-50% Exposed	26.8	33.4	0.0
0-30% Exposed	22.6	4.5	97.0
Locked	0.7	0.2	3.0
Total	100.0	100.0	100.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Exposure





Absolute Mass of Au Minerals Across Fraction Comp C

Mineral Name	Combined	Sink	Float
Exposed	0.1	0.1	0.0
50-80% Exposed	0.0	0.0	0.0
30-50% Exposed	0.0	0.0	0.0
0-30% Exposed	0.0	0.0	0.0
Locked	0.0	0.0	0.0
Total	0.1	0.1	0.0
Total (% in fraction)	100.0	100.0	0.0

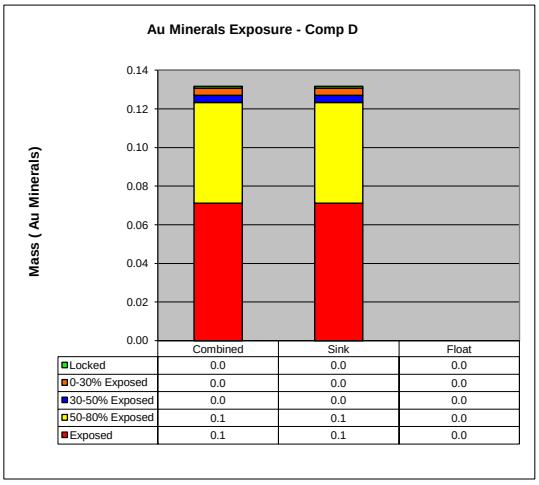
Normalized Mass of Au Minerals Across Fraction Comp C

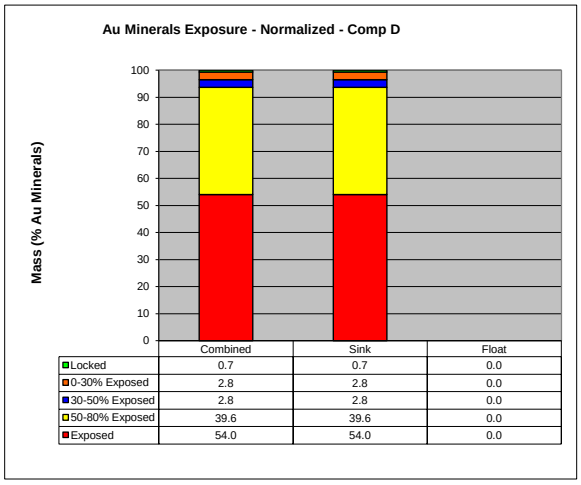
Mineral Name	Combined	Sink	Float
Exposed	57.4	57.4	0.0
50-80% Exposed	19.0	19.0	0.0
30-50% Exposed	1.4	1.4	0.0
0-30% Exposed	16.7	16.7	0.0
Locked	5.5	5.5	0.0
Total	100.0	100.0	0.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Exposure





Absolute Mass of Au Minerals Across Fraction Comp D

Mineral Name	Combined	Sink	Float
Exposed	0.1	0.1	0.0
50-80% Exposed	0.1	0.1	0.0
30-50% Exposed	0.0	0.0	0.0
0-30% Exposed	0.0	0.0	0.0
Locked	0.0	0.0	0.0
Total	0.1	0.1	0.0
Total (% in fraction)	100.0	100.0	0.0

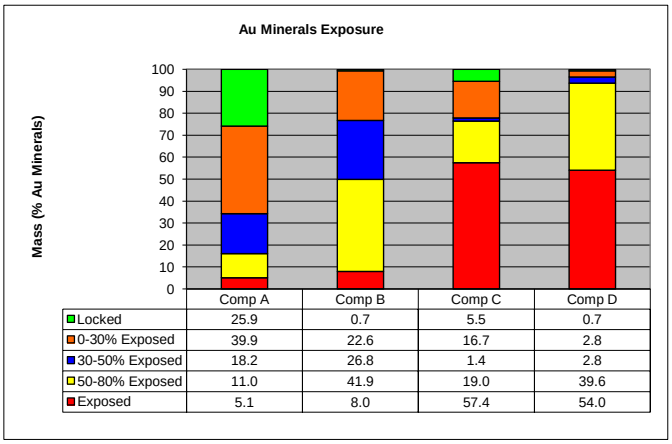
Normalized Mass of Au Minerals Across Fraction Comp D

Mineral Name	Combined	Sink	Float
Exposed	54.0	54.0	0.0
50-80% Exposed	39.6	39.6	0.0
30-50% Exposed	2.8	2.8	0.0
0-30% Exposed	2.8	2.8	0.0
Locked	0.7	0.7	0.0
Total	100.0	100.0	0.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Exposure



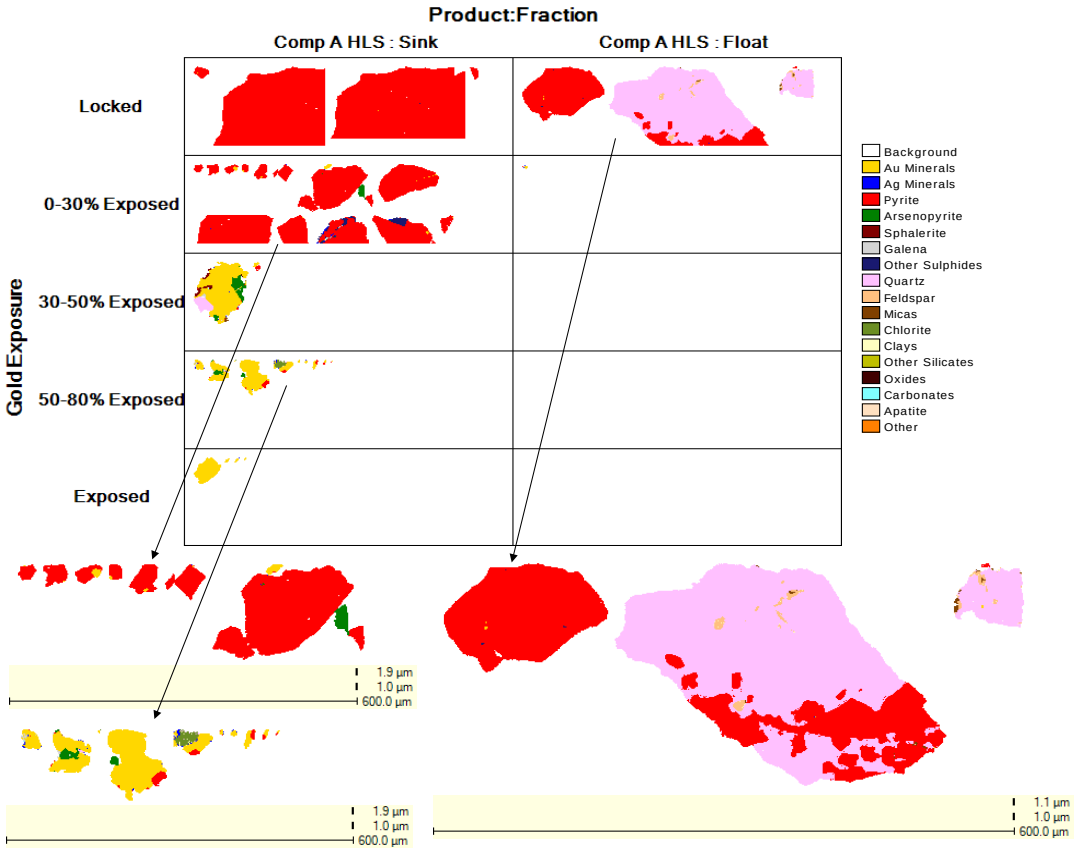
	Comp A	Comp B	Comp C	Comp D
Locked	25.9	0.7	5.5	0.7
0-30% Exposed	39.9	22.6	16.7	2.8
30-50% Exposed	18.2	26.8	1.4	2.8
50-80% Exposed	11.0	41.9	19.0	39.6
Exposed	5.1	8.0	57.4	54.0

Mineral Name	Comp A	Comp B	Comp C	Comp D
Exposed	5.1	8.0	57.4	54.0
50-80% Exposed	11.0	41.9	19.0	39.6
30-50% Exposed	18.2	26.8	1.4	2.8
0-30% Exposed	39.9	22.6	16.7	2.8
Locked	25.9	0.7	5.5	0.7
Total	100.0	100.0	100.0	100.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

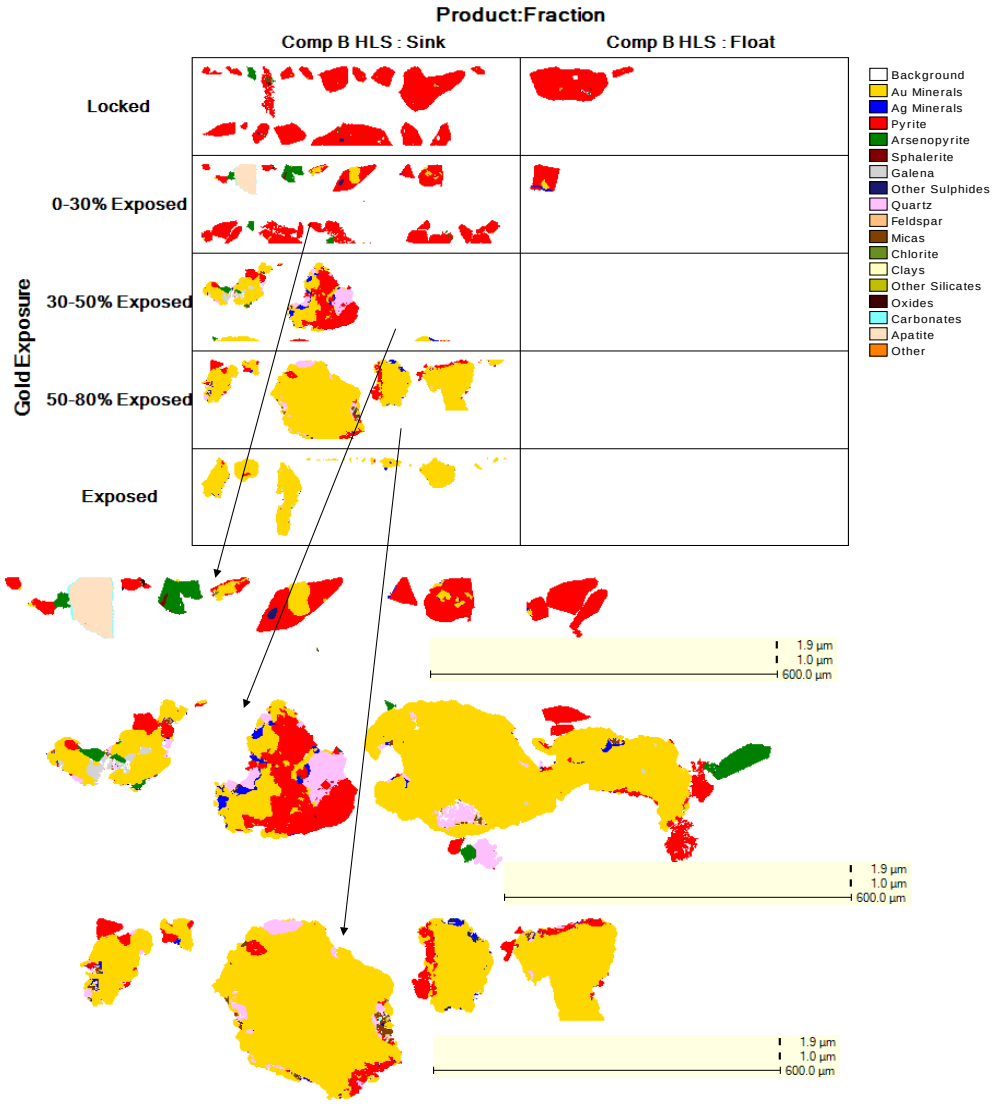
Image Grid- Au Minerals Exposure Comp A



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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

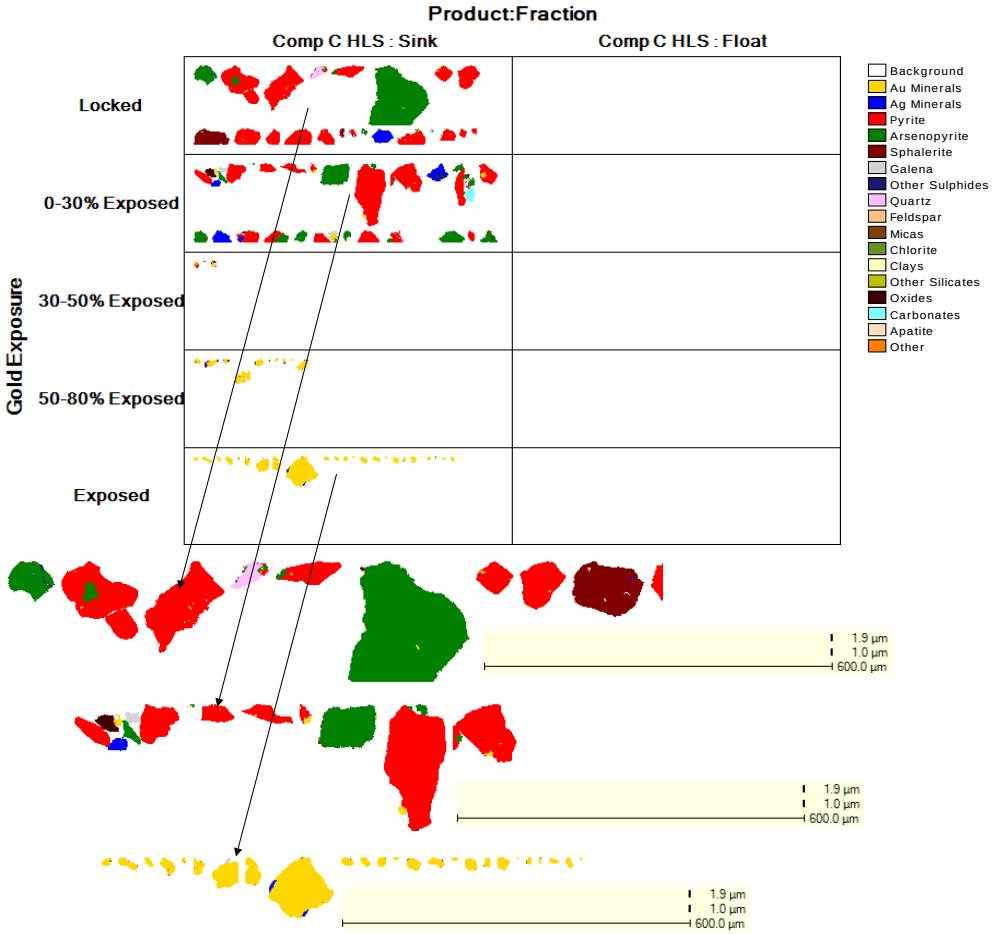
Image Grid- Au Minerals Exposure Comp B



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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

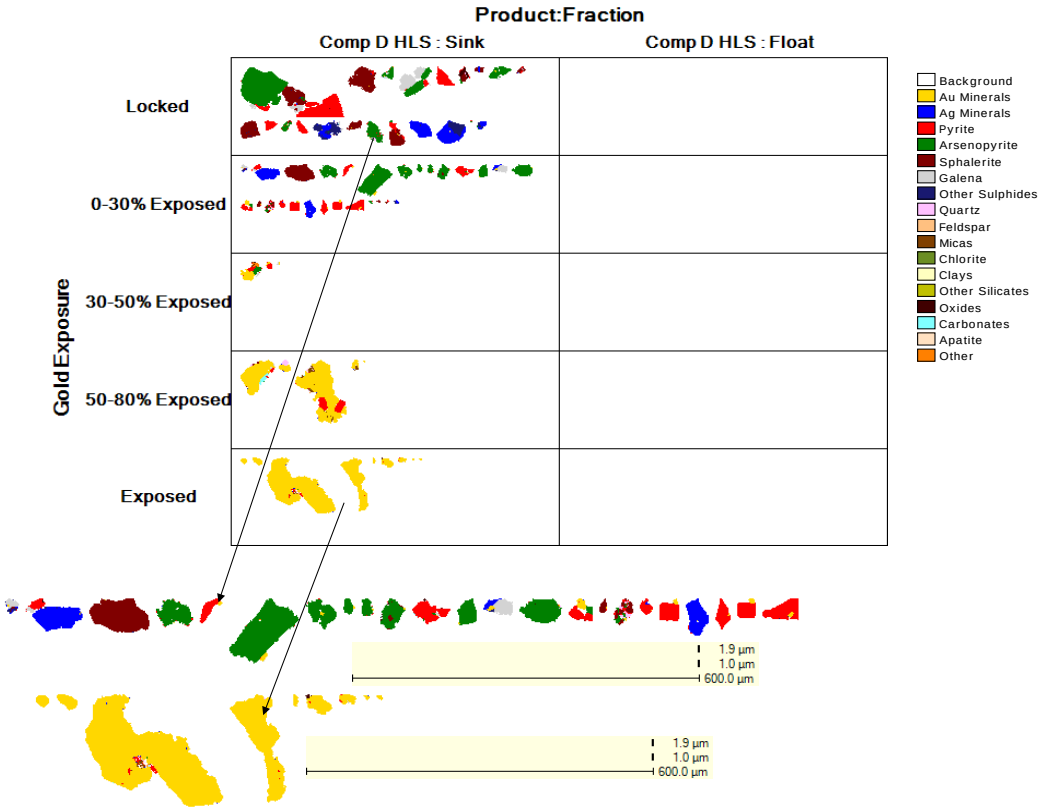
Image Grid- Au Minerals Exposure Comp C



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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

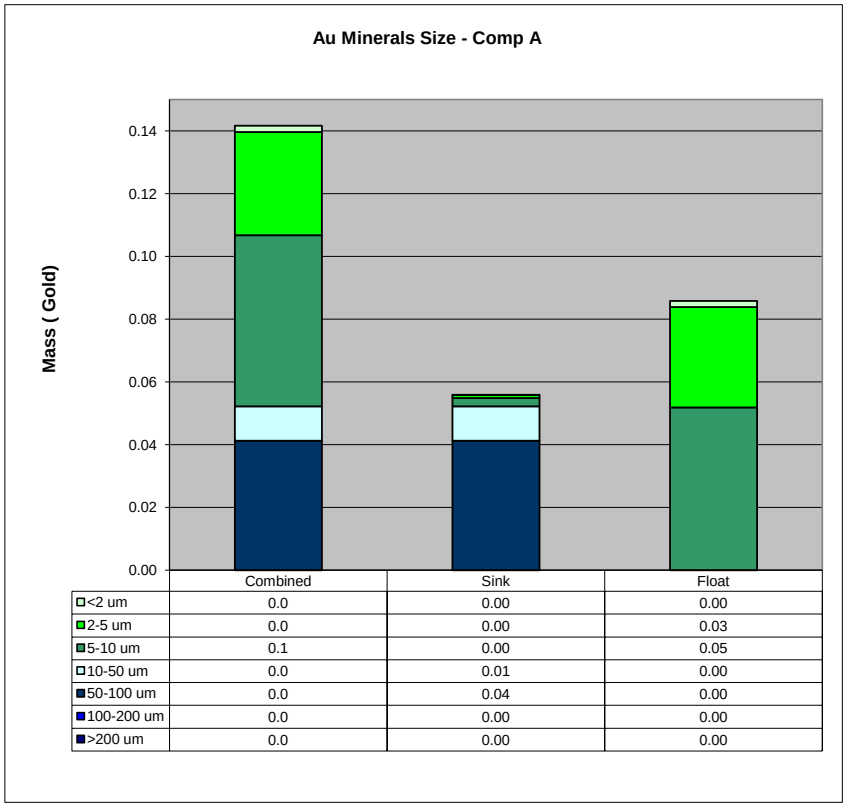
Image Grid- Au Minerals Exposure Comp D



Archer,Cathro & Associates (Klaza)
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Grain Size



	Combined	Sink	Float
<2 um	0.0	0.00	0.00
2-5 um	0.0	0.00	0.03
5-10 um	0.1	0.00	0.05
10-50 um	0.0	0.01	0.00
50-100 um	0.0	0.04	0.00
100-200 um	0.0	0.00	0.00
>200 um	0.0	0.00	0.00

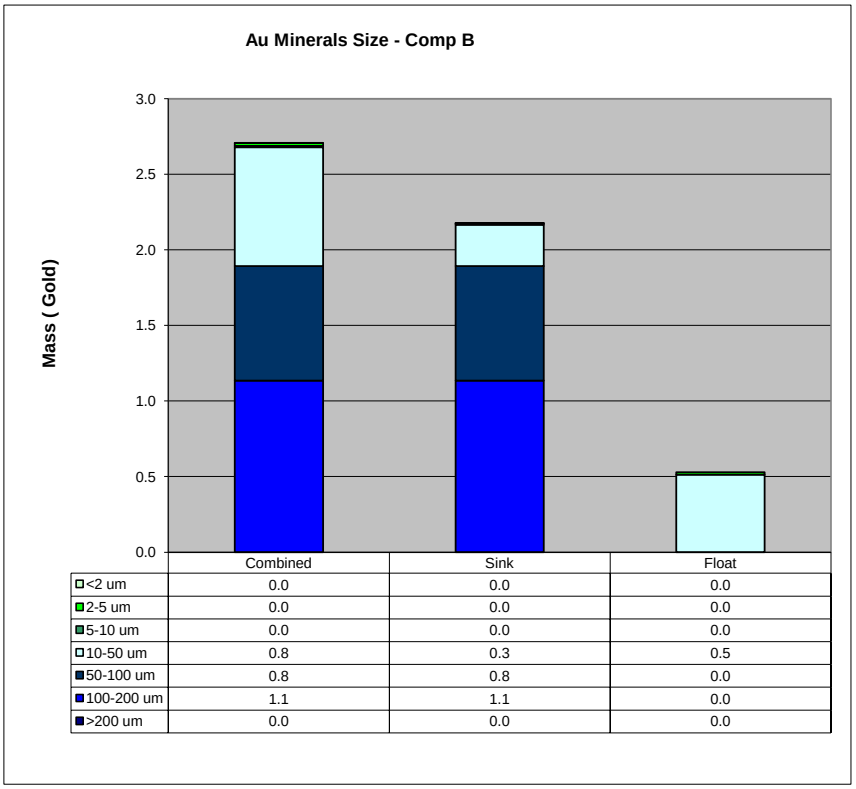
Absolute Mass of Gold Across Fraction Comp A

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.00	0.00
100-200 um	0.0	0.00	0.00
50-100 um	0.0	0.04	0.00
10-50 um	0.0	0.01	0.00
5-10 um	0.1	0.00	0.05
2-5 um	0.0	0.00	0.03
<2 um	0.0	0.00	0.00
Total	0.1	0.1	0.1
Total (% in fraction)	100.0	39.4	60.6

Archer,Cathro & Associates (Klaza)
CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Grain Size



	Combined	Sink	Float
<2 um	0.0	0.0	0.0
2-5 um	0.0	0.0	0.0
5-10 um	0.0	0.0	0.0
10-50 um	0.8	0.3	0.5
50-100 um	0.8	0.8	0.0
100-200 um	1.1	1.1	0.0
>200 um	0.0	0.0	0.0

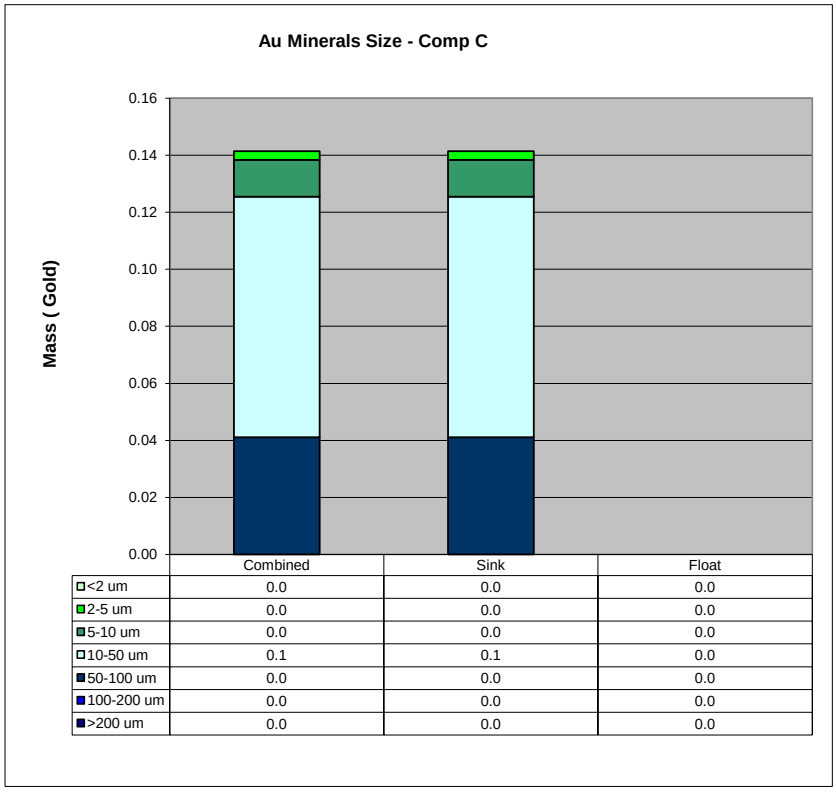
Absolute Mass of Gold Across Fraction Comp B

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	1.1	1.1	0.0
50-100 um	0.8	0.8	0.0
10-50 um	0.8	0.3	0.5
5-10 um	0.0	0.0	0.0
2-5 um	0.0	0.0	0.0
<2 um	0.0	0.0	0.0
Total	2.7	2.2	0.5
Total (% in fraction)	100.0	80.4	19.6

Archer,Cathro & Associates (Klaza)
CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Grain Size



	Combined	Sink	Float
<2 um	0.0	0.0	0.0
2-5 um	0.0	0.0	0.0
5-10 um	0.0	0.0	0.0
10-50 um	0.1	0.1	0.0
50-100 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
>200 um	0.0	0.0	0.0

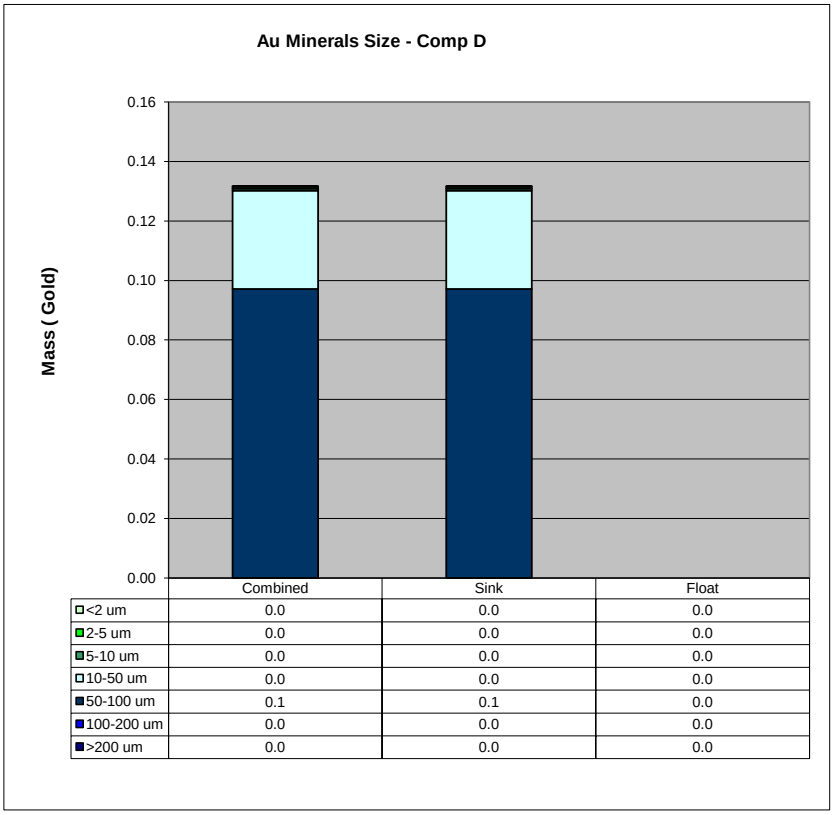
Absolute Mass of Gold Across Fraction Comp C

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
50-100 um	0.0	0.0	0.0
10-50 um	0.1	0.1	0.0
5-10 um	0.0	0.0	0.0
2-5 um	0.0	0.0	0.0
<2 um	0.0	0.0	0.0
Total	0.1	0.1	0.0
Total (% in fraction)	100.0	100.0	0.0

Archer,Cathro & Associates (Klaza)
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Grain Size



	Combined	Sink	Float
<2 um	0.0	0.0	0.0
2-5 um	0.0	0.0	0.0
5-10 um	0.0	0.0	0.0
10-50 um	0.0	0.0	0.0
50-100 um	0.1	0.1	0.0
100-200 um	0.0	0.0	0.0
>200 um	0.0	0.0	0.0

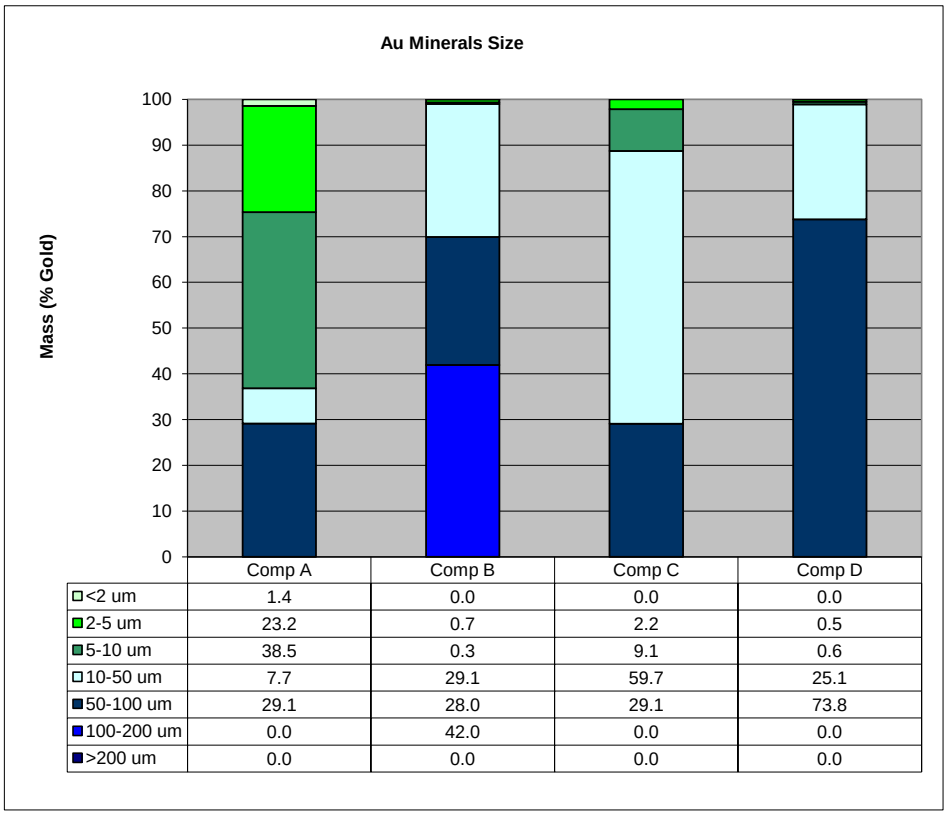
Absolute Mass of Gold Across Fraction Comp D

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
50-100 um	0.1	0.1	0.0
10-50 um	0.0	0.0	0.0
5-10 um	0.0	0.0	0.0
2-5 um	0.0	0.0	0.0
<2 um	0.0	0.0	0.0
Total	0.1	0.1	0.0
Total (% in fraction)	100.0	100.0	0.0

Archer,Cathro & Associates (Klaza)
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Grain Size



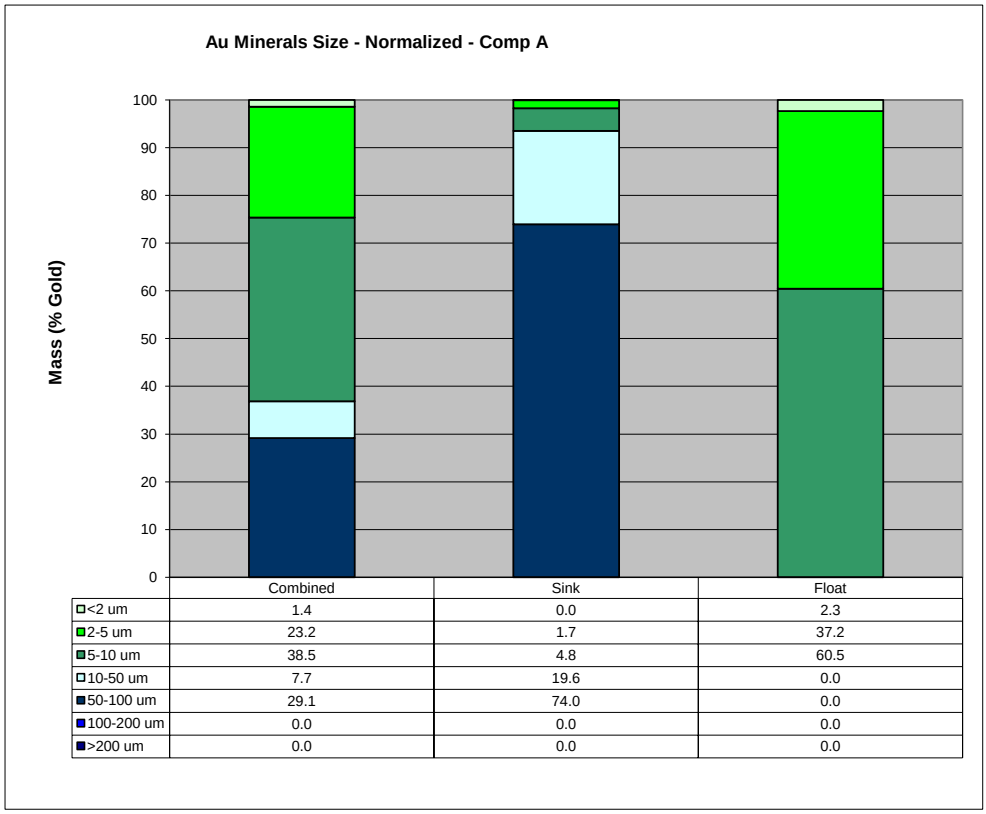
	Comp A	Comp B	Comp C	Comp D
<2 um	1.4	0.0	0.0	0.0
2-5 um	23.2	0.7	2.2	0.5
5-10 um	38.5	0.3	9.1	0.6
10-50 um	7.7	29.1	59.7	25.1
50-100 um	29.1	28.0	29.1	73.8
100-200 um	0.0	42.0	0.0	0.0
>200 um	0.0	0.0	0.0	0.0

Mineral Size	Comp A	Comp B	Comp C	Comp D
>200 um	0.0	0.0	0.0	0.0
100-200 um	0.0	42.0	0.0	0.0
50-100 um	29.1	28.0	29.1	73.8
10-50 um	7.7	29.1	59.7	25.1
5-10 um	38.5	0.3	9.1	0.6
2-5 um	23.2	0.7	2.2	0.5
<2 um	1.4	0.0	0.0	0.0
Total	100.0	100.0	100.0	100.0

Archer,Cathro & Associates (Klaza)
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Grain Size



	Combined	Sink	Float
<2 um	1.4	0.0	2.3
2-5 um	23.2	1.7	37.2
5-10 um	38.5	4.8	60.5
10-50 um	7.7	19.6	0.0
50-100 um	29.1	74.0	0.0
100-200 um	0.0	0.0	0.0
>200 um	0.0	0.0	0.0

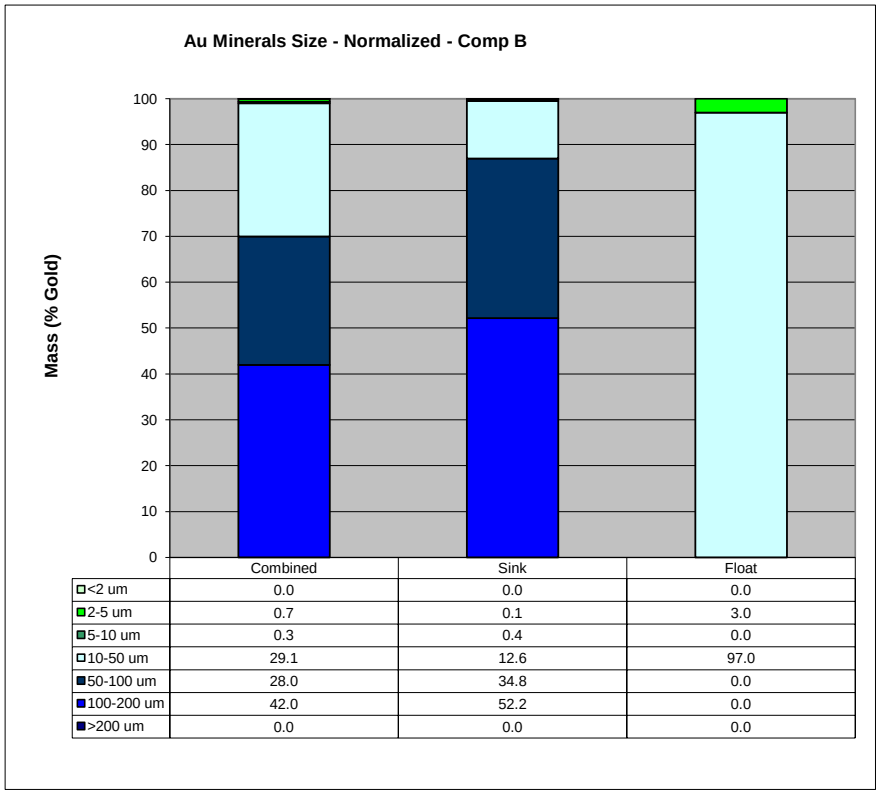
Normalized Mass of Gold Across Fraction Comp A

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
50-100 um	29.1	74.0	0.0
10-50 um	7.7	19.6	0.0
5-10 um	38.5	4.8	60.5
2-5 um	23.2	1.7	37.2
<2 um	1.4	0.0	2.3
Total	100.0	100.0	100.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Grain Size



	Combined	Sink	Float
<2 um	0.0	0.0	0.0
2-5 um	0.7	0.1	3.0
5-10 um	0.3	0.4	0.0
10-50 um	29.1	12.6	97.0
50-100 um	28.0	34.8	0.0
100-200 um	42.0	52.2	0.0
>200 um	0.0	0.0	0.0

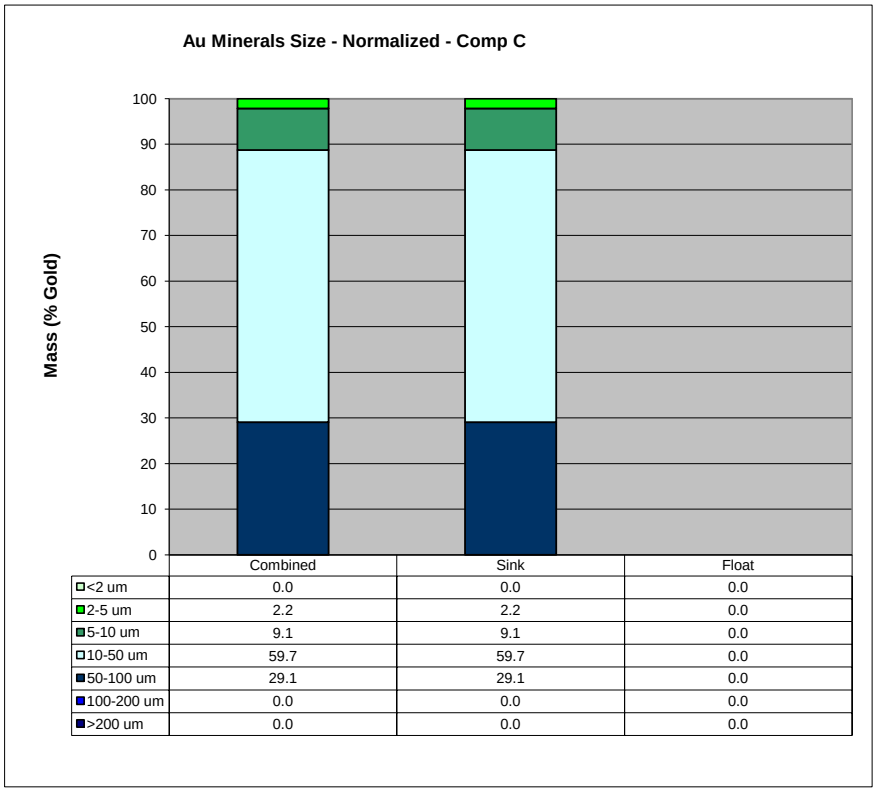
Normalized Mass of Gold Across Fraction Comp B

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	42.0	52.2	0.0
50-100 um	28.0	34.8	0.0
10-50 um	29.1	12.6	97.0
5-10 um	0.3	0.4	0.0
2-5 um	0.7	0.1	3.0
<2 um	0.0	0.0	0.0
Total	100.0	100.0	100.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Grain Size



	Combined	Sink	Float
<2 um	0.0	0.0	0.0
2-5 um	2.2	2.2	0.0
5-10 um	9.1	9.1	0.0
10-50 um	59.7	59.7	0.0
50-100 um	29.1	29.1	0.0
100-200 um	0.0	0.0	0.0
>200 um	0.0	0.0	0.0

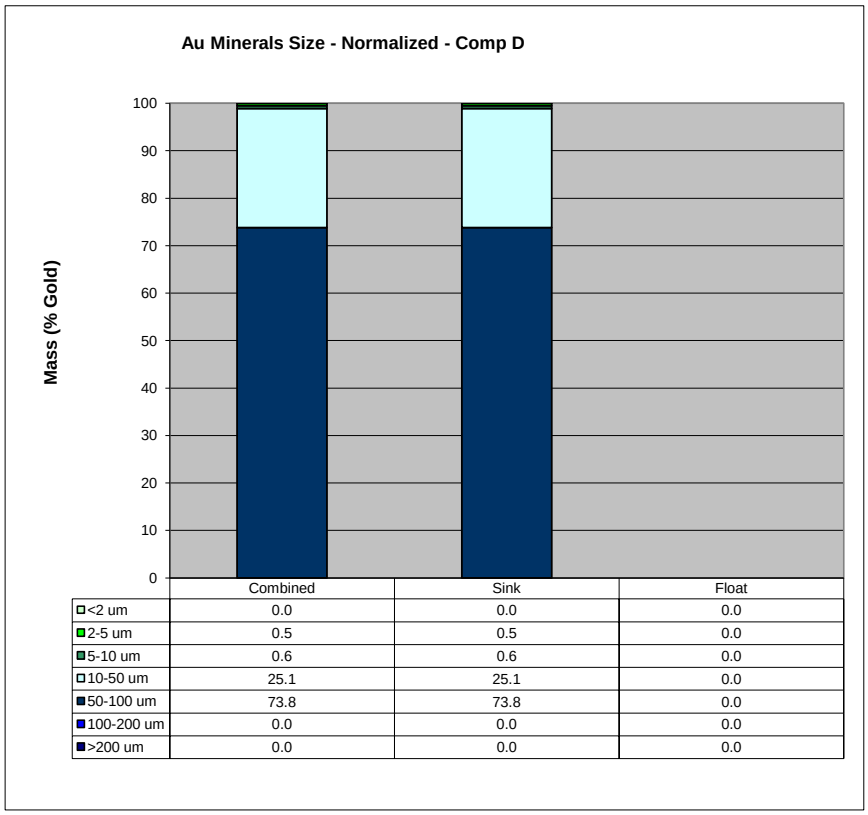
Normalized Mass of Gold Across Fraction Comp C

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
50-100 um	29.1	29.1	0.0
10-50 um	59.7	59.7	0.0
5-10 um	9.1	9.1	0.0
2-5 um	2.2	2.2	0.0
<2 um	0.0	0.0	0.0
Total	100.0	100.0	0.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals Grain Size



	Combined	Sink	Float
<2 um	0.0	0.0	0.0
2-5 um	0.5	0.5	0.0
5-10 um	0.6	0.6	0.0
10-50 um	25.1	25.1	0.0
50-100 um	73.8	73.8	0.0
100-200 um	0.0	0.0	0.0
>200 um	0.0	0.0	0.0

Normalized Mass of Gold Across Fraction Comp D

Mineral Size	Combined	Sink	Float
>200 um	0.0	0.0	0.0
100-200 um	0.0	0.0	0.0
50-100 um	73.8	73.8	0.0
10-50 um	25.1	25.1	0.0
5-10 um	0.6	0.6	0.0
2-5 um	0.5	0.5	0.0
<2 um	0.0	0.0	0.0
Total	100.0	100.0	0.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Assay Data

Sample ID	Au g/t	Ag g/t	As %	Fe %	S %	Te g/t
Comp A	5.41	49.8	0.53	---	8.31	< 50.0
Comp A Sink MZ Sul	25.1	89.9	3.08	43.2	47.6	---
Comp A Sink MZ Mid	24.7	249.0	1.48	33.5	34.6	---
Comp A Sink MZ Tail	23.5	361.0	1.36	24.8	23.7	---
Comp A Float MZ Tail	1.30	12.4	0.07	2.34	0.75	---
Comp A Float	0.58	13.6	0.07	2.39	0.84	---
Comp B	4.64	79.3	0.30	---	8.14	< 50.0
Comp B Sink MZ Sul	14.6	141.0	---	---	---	---
Comp B Sink MZ Mid	21.9	282.0	0.93	28.7	31.5	---
Comp B Sink MZ Tail	20.4	444.0	0.73	19.7	21.7	---
Comp B Float MZ Tail	0.50	11.0	0.03	1.57	0.68	---
Comp B Float	0.56	19.5	0.05	2.07	1.15	---
Comp C	7.02	205.0	2.29	---	11.6	< 50.0
Comp C Sink MZ Sul1	36.2	622.0	---	---	---	---
Comp C Sink MZ Sul2	21.9	354.0	7.35	36.3	39.7	---
Comp C Sink MZ Mid	14.8	401.0	4.06	25.7	26.5	---
Comp C Sink MZ Tail	9.50	526.0	3.25	16.7	16.8	---
Comp C Float MZ Tail	0.80	53.4	0.29	2.40	1.39	---
Comp C Float	0.79	58.8	0.31	2.43	1.48	---
Comp D	6.11	344.0	1.07	---	4.56	< 50.0
Comp D Sink MZ Sul1	58.7	1973.0	---	---	---	---
Comp D Sink MZ Sul2	38.7	1265.0	6.63	27.5	30.4	---
Comp D Sink MZ Mid	17.2	863.0	---	---	---	---
Comp D Sink MZ Tail	14.5	1368.0	2.49	12.4	11.4	---
Comp D Float MZ Tail	0.89	88.6	0.16	1.91	0.70	---
Comp D Float	0.89	92.7	0.16	1.96	0.76	---

Archer,Cathro & Associates (Klaza)
CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Minerals

Sample ID	HLS & MZ Product		# of Gold Grains		Total
Comp A	Float		4		132
	Sink	MZ Tail	22	128	
		MZ Middling	25		
		MZ Sulphides	54		
		MZ Tip	27		
Comp B	Float		3		129
	Sink	MZ Tail	13	126	
		MZ Middling	14		
		MZ Sulphides	33		
		MZ Tip	66		
Comp C	Float		0		174
	Sink	MZ Tail	6	174	
		MZ Middling	8		
		MZ Sulphides	71		
		MZ Tip	89		
Comp D	Float		0		63
	Sink	MZ Tail	2	63	
		MZ Middling	4		
		MZ Sulphides	33		
		MZ Tip	24		

Archer,Cathro & Associates (Klaza)
CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Minerals

Sample ID	HLS & MZ Product		# of Silver Minerals		Total
Comp A	Float		30		1083
	Sink	MZ Tail	379	1053	
		MZ Middling	219		
		MZ Sulphides	410		
		MZ Tip	45		
Comp B	Float		41		1274
	Sink	MZ Tail	512	1233	
		MZ Middling	154		
		MZ Sulphides	377		
		MZ Tip	190		
Comp C	Float		82		6506
	Sink	MZ Tail	2085	6424	
		MZ Middling	987		
		MZ Sulphides	2431		
		MZ Tip	921		
Comp D	Float		476		10548
	Sink	MZ Tail	1645	10072	
		MZ Middling	1158		
		MZ Sulphides	4936		
		MZ Tip	2333		

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Electron Microprobe Data on Au Minerals and Ag Minerals

Sample ID	Polished Section	S	As	Au	Ag	Cu	Bi	Se	Sb	Fe	Te	Zn	Total	Mineral
		wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	
Comp A	21A	0.000	0.000	85.98	13.57	0.000	0.095	0.000	0.000	0.000	0.021	0.000	99.67	Native gold
	21A	0.000	0.000	86.52	13.28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	99.80	Native gold
	21A	0.00	0.00	85.71	14.22	0.00	0.00	0.01	0.00	0.00	0.01	0.00	99.95	Native gold
	21A	0.05	0.01	93.71	6.27	0.00	0.00	0.05	0.00	0.44	0.00	0.00	100.52	Native gold
	21B	0.03	0.00	87.41	12.63	0.00	0.00	0.00	0.02	0.16	0.01	0.00	100.26	Native gold
	21B	0.01	0.00	68.80	31.51	0.00	0.00	0.00	0.00	0.00	0.04	0.00	100.35	Electrum
	21B	0.000	0.000	87.68	11.94	0.000	0.021	0.032	0.000	0.045	0.007	0.000	99.73	Native gold
	21B	0.022	0.000	87.02	12.50	0.000	0.000	0.024	0.000	0.000	0.000	0.000	99.57	Native gold
	21B	0.056	0.000	94.51	5.820	0.018	0.000	0.010	0.005	0.539	0.000	0.000	100.96	Native gold
	21C	0.000	0.000	82.60	16.88	0.000	0.000	0.000	0.000	0.104	0.000	0.000	99.58	Native gold
	21C	0.00	0.00	82.49	17.84	0.00	0.00	0.00	0.00	0.10	0.00	0.01	100.44	Native gold
	21C	0.23	0.00	93.44	5.25	0.03	0.00	0.00	0.01	1.41	0.00	0.00	100.37	Native gold
	Average	***0.03***	***0.00***	***86.32***	***13.48***	***0.00***	***0.01***	***0.01***	***0.00***	***0.23***	***0.01***	***0.00***	***100.10***	
	Max	***0.23***	***0.01***	***94.51***	***31.51***	***0.03***	***0.10***	***0.05***	***0.02***	***1.41***	***0.04***	***0.01***	***100.96***	
	Min	***0.00***	***0.00***	***68.80***	***5.25***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***99.57***	
	Std Dev	***0.07***	***0.00***	***6.82***	***7.00***	***0.01***	***0.03***	***0.02***	***0.01***	***0.41***	***0.01***	***0.00***	***0.45***	

Sample ID	Polished Section	S	As	Au	Ag	Cu	Bi	Se	Sb	Fe	Te	Zn	Total	Mineral
		wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	
Comp B	21A	0.00	0.01	70.39	28.83	0.00	0.00	0.00	0.00	0.01	0.02	0.00	99.25	Electrum
	21A	0.03	0.00	79.90	20.56	0.00	0.00	0.00	0.00	0.04	0.02	0.00	100.54	Native gold
	21A	0.00	0.00	72.64	28.15	0.00	0.00	0.01	0.00	0.00	0.04	0.01	100.85	Electrum
	21A	0.03	0.02	81.94	18.51	0.00	0.00	0.01	0.00	0.11	0.00	0.00	100.61	Native gold
	21A	0.02	0.00	72.30	27.92	0.00	0.00	0.02	0.00	0.00	0.00	0.00	100.26	Electrum
	21A	0.03	0.00	75.94	24.76	0.00	0.00	0.03	0.00	0.04	0.03	0.01	100.84	Native gold
	21A	0.01	0.00	82.62	17.22	0.00	0.00	0.04	0.00	0.00	0.02	0.00	99.91	Native gold
	21B	0.03	0.00	72.58	26.38	0.01	0.00	0.00	0.00	0.01	0.01	0.00	99.02	Electrum
	21B	0.10	0.00	77.21	21.52	0.02	0.00	0.02	0.00	0.65	0.05	0.00	99.57	Native gold
	21B	0.07	0.00	64.79	34.40	0.00	0.01	0.01	0.01	0.45	0.04	0.00	99.78	Electrum
	21B	0.04	0.00	76.56	22.95	0.00	0.00	0.00	0.00	0.27	0.04	0.00	99.85	Native gold
	21B	0.01	0.00	95.14	5.48	0.03	0.00	0.00	0.00	0.13	0.00	0.00	100.80	Native gold
	21B	0.02	0.00	69.40	30.08	0.00	0.00	0.02	0.02	0.00	0.02	0.00	99.55	Electrum
	21B	0.01	0.01	69.67	29.79	0.00	0.02	0.01	0.00	0.01	0.03	0.00	99.55	Electrum
	21B	0.02	0.00	74.84	24.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.79	Electrum
	21C	0.00	0.00	82.56	17.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.91	Native gold
	21C	0.02	0.01	81.75	18.41	0.00	0.00	0.00	0.00	0.00	0.01	0.00	100.20	Native gold
	21C	0.01	0.00	71.90	27.47	0.00	0.00	0.02	0.00	0.01	0.04	0.00	99.44	Electrum
	21C	0.03	0.01	69.15	30.44	0.00	0.00	0.01	0.00	0.00	0.03	0.00	99.67	Electrum
	21C	0.00	0.00	75.81	23.51	0.01	0.00	0.01	0.00	0.00	0.01	0.01	99.36	Native gold
	21C	0.02	0.00	84.45	15.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.71	Native gold
	21C	0.02	0.01	69.89	29.17	0.01	0.00	0.01	0.00	0.00	0.00	0.00	99.11	Electrum
	21D	0.006	0.000	74.14	25.02	0.000	0.000	0.016	0.013	0.008	0.036	0.000	99.24	Electrum
	21D	0.053	0.019	77.98	21.64	0.000	0.022	0.000	0.011	0.178	0.020	0.000	99.92	Native gold
	21D	0.025	0.000	71.86	27.81	0.000	0.000	0.014	0.000	0.000	0.000	0.000	99.71	Electrum
	21D	0.031	0.000	77.80	20.93	0.000	0.040	0.009	0.000	0.490	0.015	0.000	99.32	Native gold
	21D	0.016	0.007	69.39	29.89	0.000	0.000	0.023	0.000	0.005	0.024	0.000	99.36	Electrum
	21D	0.020	0.000	81.20	18.30	0.000	0.000	0.000	0.000	0.079	0.017	0.000	99.62	Native gold
	21D	0.007	0.000	70.24	29.02	0.000	0.000	0.000	0.000	0.000	0.060	0.000	99.33	Electrum
	Average	***0.02***	***0.00***	***75.66***	***23.99***	***0.00***	***0.00***	***0.01***	***0.00***	***0.09***	***0.02***	***0.00***	***99.79***	
	Max	***0.10***	***0.02***	***95.14***	***34.40***	***0.03***	***0.04***	***0.04***	***0.02***	***0.65***	***0.06***	***0.01***	***100.85***	
	Min	***0.00***	***0.00***	***64.79***	***5.48***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***99.02***	
	Std Dev	***0.02***	***0.01***	***6.32***	***6.08***	***0.01***	***0.01***	***0.01***	***0.01***	***0.17***	***0.02***	***0.00***	***0.52***	

Archer,Cathro & Associates (Klaza)
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Electron Microprobe Data on Au Minerals and Ag Minerals

Sample ID	Polished Section	S wt%	As wt%	Au wt%	Ag wt%	Cu wt%	Bi wt%	Se wt%	Sb wt%	Fe wt%	Te wt%	Zn wt%	Total wt%	Mineral
Comp C	21A	0.01	0.00	75.80	23.62	0.04	0.00	0.02	0.00	0.39	0.00	0.73	100.60	Native gold
	21A	0.05	0.00	76.24	22.66	0.00	0.01	0.00	0.00	0.30	0.00	0.03	99.29	Native gold
	21A	0.03	0.00	79.89	19.16	0.04	0.01	0.00	0.00	0.28	0.01	0.02	99.45	Native gold
	21A	0.01	0.00	72.75	26.01	0.00	0.00	0.02	0.00	0.60	0.00	0.18	99.57	Electrum
	21A	0.06	0.00	76.88	21.74	0.06	0.04	0.04	0.00	0.53	0.02	0.02	99.38	Native gold
	21A	0.03	0.01	65.58	32.96	0.00	0.00	0.04	0.00	0.72	0.00	0.00	99.34	Electrum
	21A	0.01	0.00	83.79	16.01	0.00	0.04	0.00	0.00	0.44	0.00	0.03	100.32	Native gold
	21B	0.05	0.00	77.04	22.93	0.00	0.00	0.00	0.00	0.27	0.00	0.20	100.49	Native gold
	21B	0.04	0.01	82.09	17.93	0.00	0.00	0.01	0.00	0.56	0.02	0.03	100.69	Native gold
	21B	0.00	0.00	83.80	16.14	0.00	0.00	0.03	0.00	0.24	0.05	0.01	100.27	Native gold
	21B	0.01	0.02	88.86	11.53	0.00	0.00	0.02	0.02	0.02	0.00	0.02	100.49	Native gold
	21B	0.00	0.01	78.84	21.56	0.00	0.00	0.00	0.00	0.19	0.00	0.00	100.59	Native gold
	21B	0.02	0.00	92.07	8.21	0.00	0.00	0.00	0.00	0.08	0.01	0.01	100.41	Native gold
	21B	0.00	0.00	76.49	23.53	0.00	0.00	0.01	0.00	0.00	0.01	0.00	100.04	Native gold
	21C	0.03	0.00	85.35	14.24	0.00	0.00	0.00	0.00	0.35	0.00	0.58	100.54	Native gold
	21C	0.01	0.00	96.66	3.10	0.04	0.00	0.00	0.01	0.25	0.00	0.01	100.08	Native gold
	21C	0.00	0.00	86.18	13.80	0.00	0.00	0.02	0.00	0.33	0.00	0.17	100.50	Native gold
	21C	0.08	0.12	77.47	22.16	0.00	0.00	0.00	0.01	0.53	0.00	0.08	100.44	Native gold
	21C	0.05	0.00	83.71	15.96	0.00	0.00	0.00	0.00	0.65	0.00	0.09	100.46	Native gold
	21C	0.05	0.00	74.99	24.61	0.00	0.00	0.00	0.03	0.52	0.00	0.02	100.21	Electrum
	21C	0.01	0.00	78.89	21.06	0.00	0.00	0.04	0.03	0.26	0.02	0.09	100.40	Native gold
	Average	***0.03***	***0.01***	***80.64***	***19.00***	***0.01***	***0.00***	***0.01***	***0.00***	***0.36***	***0.01***	***0.11***	***100.17***	
	Max	***0.08***	***0.12***	***96.66***	***32.96***	***0.06***	***0.04***	***0.04***	***0.03***	***0.72***	***0.05***	***0.73***	***100.69***	
	Min	***0.00***	***0.00***	***65.58***	***3.10***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***99.29***	
	Std Dev	***0.02***	***0.03***	***6.94***	***6.62***	***0.02***	***0.01***	***0.01***	***0.01***	***0.20***	***0.01***	***0.19***	***0.47***	

Sample ID	Polished Section	S wt%	As wt%	Au wt%	Ag wt%	Cu wt%	Bi wt%	Se wt%	Sb wt%	Fe wt%	Te wt%	Zn wt%	Total wt%	Mineral
Comp D	21A	0.00	0.00	74.76	24.34	0.00	0.02	0.00	0.02	0.00	0.04	0.00	99.18	Electrum
	21A	0.01	0.00	71.01	28.57	0.00	0.00	0.01	0.00	0.00	0.01	0.00	99.60	Electrum
	21A	0.05	0.01	66.73	32.35	0.00	0.00	0.00	0.02	0.19	0.02	0.11	99.46	Electrum
	21A	0.01	0.00	72.57	25.94	0.00	0.06	0.01	0.03	0.00	0.02	0.00	98.64	Electrum
	21B	0.03	0.01	70.13	29.13	0.00	0.00	0.02	0.00	0.02	0.00	0.01	99.35	Electrum
	21B	0.03	0.02	69.45	30.49	0.00	0.01	0.00	0.00	0.03	0.04	0.01	100.08	Electrum
	21B	0.03	0.00	65.91	34.38	0.00	0.00	0.00	0.00	0.10	0.01	0.01	100.44	Electrum
	21C	0.01	0.00	73.20	25.87	0.00	0.00	0.00	0.01	0.08	0.02	0.08	99.26	Electrum
	21C	0.03	0.01	63.96	34.62	0.00	0.02	0.00	0.00	0.04	0.05	0.02	98.74	Electrum
	Average	***0.02***	***0.01***	***69.75***	***29.52***	***0.00***	***0.01***	***0.00***	***0.01***	***0.05***	***0.02***	***0.03***	***99.42***	
	Max	***0.05***	***0.02***	***74.76***	***34.62***	***0.00***	***0.06***	***0.02***	***0.03***	***0.19***	***0.05***	***0.11***	***100.44***	
	Min	***0.00***	***0.00***	***63.96***	***24.34***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***98.64***	
	Std Dev	***0.01***	***0.01***	***3.61***	***3.75***	***0.00***	***0.02***	***0.01***	***0.01***	***0.06***	***0.02***	***0.04***	***0.58***	

Sample ID	Polished Section	S wt%	As wt%	Au wt%	Ag wt%	Cu wt%	Bi wt%	Se wt%	Sb wt%	Fe wt%	Te wt%	Zn wt%	Total wt%	Mineral
Comp D	21B	23.50	0.26	0.00	15.23	27.14	0.00	0.00	27.05	2.76	0.00	4.15	100.09	Tetrahedrite
	21C	22.95	0.08	0.00	21.00	22.86	0.01	0.02	26.90	5.45	0.00	1.55	100.83	Tetrahedrite
	21C	23.16	0.45	0.00	18.41	25.01	0.00	0.01	26.51	3.97	0.00	2.78	100.30	Tetrahedrite
	21C	23.02	0.32	0.00	18.85	23.96	0.00	0.00	26.56	4.25	0.01	3.12	100.09	Tetrahedrite
	21C	23.16	0.44	0.00	18.43	24.22	0.02	0.02	26.32	4.45	0.00	2.70	99.75	Tetrahedrite
	21C	22.91	0.61	0.02	21.38	22.72	0.00	0.02	25.70	4.94	0.01	1.77	100.07	Tetrahedrite
	Average	***23.12***	***0.36***	***0.00***	***18.88***	***24.32***	***0.00***	***0.01***	***26.51***	***4.30***	***0.00***	***2.68***	***100.19***	
	Max	***23.50***	***0.61***	***0.02***	***21.38***	***27.14***	***0.02***	***0.02***	***27.05***	***5.45***	***0.01***	***4.15***	***100.83***	
	Min	***22.91***	***0.08***	***0.00***	***15.23***	***22.72***	***0.00***	***0.00***	***25.70***	***2.76***	***0.00***	***1.55***	***99.75***	
	Std Dev	***0.21***	***0.18***	***0.01***	***2.21***	***1.63***	***0.01***	***0.01***	***0.48***	***0.92***	***0.00***	***0.95***	***0.36***	

Detecion Limits (wt%)	S %	As %	Au %	Ag %	Cu %	Bi %	Se %	Sb %	Fe %	Te %	Zn %
Native Gold/Electrum	0.02	0.05	0.13	0.12	0.05	0.07	0.05	0.06	0.03	0.04	0.06
Tetrahedrite	0.02	0.04	0.08	0.10	0.04	0.06	0.04	0.06	0.02	0.04	0.04

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Au Balance

Sample ID			Au Grade	Sample Weight		Au Distribution
			g/t	g	wt. %	%
Comp A	Overall		5.41	904.0	100.0	100.0
	Float		0.58	731.0	80.9	8.7
	Sink	MZ Tail	23.5	47.2	5.2	22.7
		MZ Middling	24.7	34.7	3.8	17.5
		MZ Sulphide	25.1	88.3	9.8	45.3
		MZ Tip	***99.3***	2.87	0.3	***5.8***
Comp B	Overall		4.64	821.4	100.0	100.0
	Float		0.56	659.9	80.3	9.7
	Sink	MZ Tail	20.4	51.2	6.2	27.4
		MZ Middling	21.9	26.1	3.2	15.0
		MZ Sulphide	14.6	80.9	9.8	31.0
		MZ Tip	***198.2***	3.25	0.4	***16.9***
Comp C	Overall		7.02	776.2	100.0	100.0
	Float		0.79	504.4	65.0	7.3
	Sink	MZ Tail	9.50	91.9	11.8	16.0
		MZ Middling	14.8	29.4	3.8	8.0
		MZ Sulphide 2	21.9	134.9	17.4	54.2
		MZ Sulphide 1	36.2	13.4	1.7	8.9
		MZ Tip	***138.9***	2.18	0.3	***5.6***
Comp D	Overall		6.11	785.4	100.0	100.0
	Float		0.89	644.9	82.1	12.0
	Sink	MZ Tail	14.5	50.7	6.5	15.3
		MZ Middling	17.2	16.5	2.1	5.9
		MZ Sulphide 2	39.7	52.0	6.6	43.0
		MZ Sulphide 1	***53.8***	19.0	2.4	***23.8***
		MZ Tip		2.25	0.3	

Bold Italic underline: back calculation; Bold Italic: calculated by difference

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ag Balance

Sample ID			Ag Grade	Sample Weight		Ag Distribution
			g/t	g	wt. %	%
Comp A	Overall		49.8	904.0	100.0	100.0
	Float		13.6	731.0	80.9	22.1
	Sink	MZ Tail	361.0	47.2	5.2	37.9
		MZ Middling	249.0	34.7	3.8	19.2
		MZ Sulphide	89.9	88.3	9.8	17.6
		MZ Tip	***511.2***	2.87	0.3	***3.3***
Comp B	Overall		79.3	821.4	100.0	100.0
	Float		19.5	659.9	80.3	19.8
	Sink	MZ Tail	444.0	51.2	6.2	34.9
		MZ Middling	282.0	26.1	3.2	11.3
		MZ Sulphide	141.0	80.9	9.8	17.5
		MZ Tip	***3310.1***	3.25	0.4	***16.5***
Comp C	Overall		205.0	776.2	100.0	100.0
	Float		58.8	504.4	65.0	18.6
	Sink	MZ Tail	526.0	91.9	11.8	30.4
		MZ Middling	401.0	29.4	3.8	7.4
		MZ Sulphide 2	354.0	134.9	17.4	30.0
		MZ Sulphide 1	622.0	13.4	1.7	5.2
		MZ Tip	***6073.4***	2.18	0.3	***8.3***
Comp D	Overall		344.0	785.4	100.0	100.0
	Float		92.70	644.9	82.1	22.1
	Sink	MZ Tail	1368.0	50.7	6.5	25.7
		MZ Middling	863.0	16.5	2.1	5.3
		MZ Sulphide 2	1265.0	52.0	6.6	24.3
		MZ Sulphide 1	***2876.8***	19.0	2.4	***22.6***
		MZ Tip		2.25	0.3	

Bold Italic underline: back calculation; Bold Italic: calculated by difference

Archer,Cathro & Associates (Klaza)
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Whole Rock Analysis

Sample ID	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	MgO %	CaO %	Na_2O %	K_2O %	TiO_2 %	P_2O_5 %	MnO %	Cr_2O_3 %	V_2O_5 %	LOI %	Sum %
Comp A	55.2	11.6	13.1	1.45	2.3	0.17	3.17	0.34	0.11	0.23	0.01	0.01	9.40	97.1
Comp B	57.0	11.2	11.8	1.28	2.4	0.37	3.21	0.31	0.09	0.16	0.06	< 0.01	9.22	97.1
Comp C	51.5	7.48	18.0	1.48	3.34	---	2.01	0.23	---	0.49	0.05	< 0.01	---	---
Comp D	58.9	10.2	8.00	1.42	2.74	0.55	2.77	0.29	0.1	0.76	0.02	0.01	7.31	93.1

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Summary of Qualitative X-ray Diffraction Results

Sample ID	Major	Moderate	Minor	Trace
Comp A	quartz	mica	pyrite, dolomite, ankerite	*chalcopyrite, *kaolinite, *siderite, *chalcocite, *potassium-feldspar, *arsenopyrite
Comp B	quartz	pyrite	mica, ankerite, dolomite, plagioclase,	*potassium-feldspar, *calcite, *galena, *arsenopyrite
Comp C	quartz	pyrite	mica, ankerite, dolomite, arsenopyrite, siderite, galena	*calcite, *apatite
Comp D	quartz	-	pyrite, galena, mica, ankerite, dolomite	*arsenopyrite, *kaolinite, *apatite, *potassium-feldspar

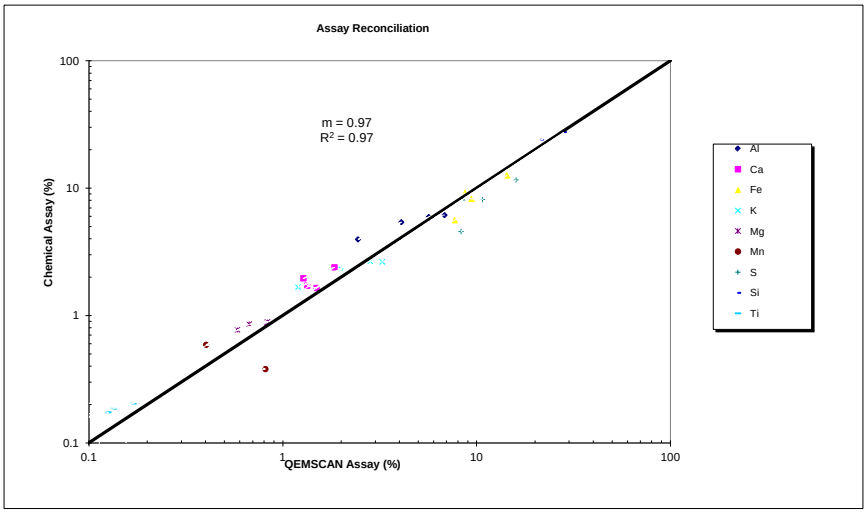
* tentative identification due to low concentrations, diffraction line overlap or poor crystallinity;
Crystalline Mineral Assemblage (relative proportions based on peak height)

Mineral	Composition
Ankerite	$CaFe(CO_3)_2$
Apatite	$Ca_3(PO4)_2$
Arsenopyrite	FeAsS
Calcite	$CaCO_3$
Chalcocite	Cu_2S
Chalcopyrite	$CuFeS_2$
Dolomite	$CaMg(CO_3)_2$
Galena	PbS
Kaolinite	$Al_2Si_2O_5(OH)_4$
Mica	$K(Mg,Fe)Al_2Si_3AlO_{10}(OH)_2$
Plagioclase	(NaSi,CaAl)AlSi2O8
Potassium Feldspar	$KAlSi_3O_8$
Pyrite	FeS_2
Quartz	SiO_2
Siderite	$FeCO_3$

Archer,Cathro & Associates (Klaza)
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Assay Reconciliation

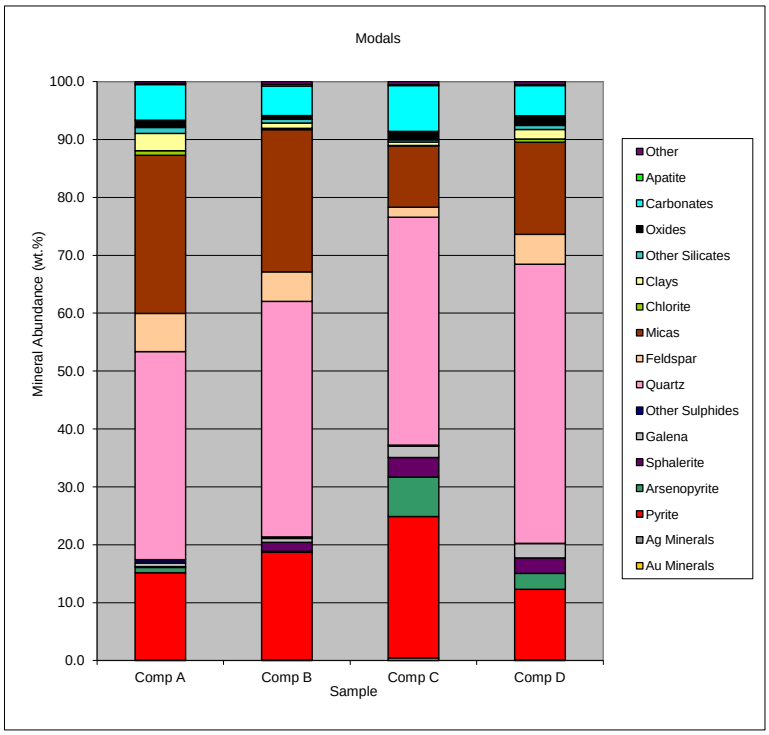


	Comp A	Comp B	Comp C	Comp D
	-106um	-106um	-106um	-106um
Al (QEMSCAN)	6.8	5.7	2.4	4.1
Al (Chemical)	6.1	5.9	4.0	5.4
Ca (QEMSCAN)	1.5	1.3	1.8	1.3
Ca (Chemical)	1.6	1.7	2.4	2.0
Fe (OEMSCAN)	8.7	9.4	14.3	7.7
Fe (Chemical)	9.2	8.3	12.6	5.6
K (QEMSCAN)	3.3	2.8	1.2	2.0
K (Chemical)	2.6	2.7	1.7	2.3
Mg (QEMSCAN)	0.8	0.6	0.8	0.7
Mg (Chemical)	0.9	0.8	0.9	0.9
Mn (QEMSCAN)	0.1	0.0	0.8	0.4
Mn (Chemical)	0.2	0.1	0.4	0.6
S (QEMSCAN)	8.6	10.7	16.0	8.3
S (Chemical)	8.3	8.1	11.6	4.6
Si (QEMSCAN)	25.7	26.2	21.4	28.1
Si (Chemical)	25.8	26.6	24.1	27.5
Ti (QEMSCAN)	0.2	0.1	0.1	0.1
Ti (Chemical)	0.2	0.2	0.1	0.2
V (QEMSCAN)	0.1	0.1	0.1	0.1
V (Chemical)	0.0	0.0	0.0	0.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Modals

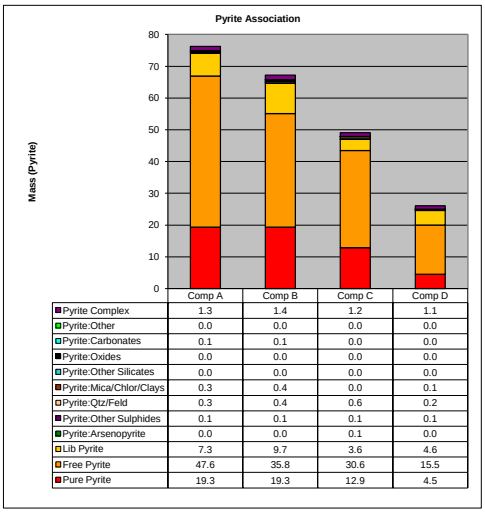


Survey		Archer,Cathro & Associates (Klaza)			
Project		CAVM-50270-101			
Sample		Comp A	Comp B	Comp C	Comp D
Fraction		-106um	-106um	-106um	-106um
Calculated ESD Particle Size		26	26	32	31
Mineral Mass (%)	Au Minerals	0.0	0.0	0.0	0.0
	Ag Minerals	0.1	0.1	0.5	0.1
	Pyrite	15.1	18.6	24.4	12.2
	Arsenopyrit	0.9	0.2	6.8	2.8
	Sphalerite	0.1	1.5	3.4	2.7
	Galena	0.6	0.7	1.9	2.5
	Other Sulph	0.6	0.3	0.2	0.0
	Quartz	35.9	40.7	39.4	48.2
	Feldspar	6.6	5.1	1.7	5.1
	Micas	27.3	24.6	10.6	15.9
	Chlorite	0.8	0.2	0.1	0.6
	Clays	3.0	0.9	0.6	1.6
	Other Silica	1.0	0.6	0.4	0.7
	Oxides	1.3	0.6	1.5	1.7
	Carbonates	6.2	5.1	7.9	5.2
	Apatite	0.2	0.3	0.1	0.2
	Other	0.3	0.5	0.5	0.5
	Total	100.0	100.0	100.0	100.0

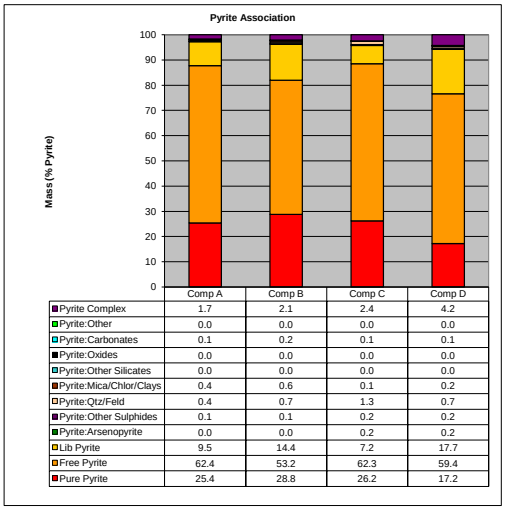
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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Pyrite Association



	Comp A	Comp B	Comp C	Comp D
Pyrite Complex	1.3	1.4	1.2	1.1
Pyrite:Other	0.0	0.0	0.0	0.0
Pyrite:Carbonates	0.1	0.1	0.0	0.0
Pyrite:Oxides	0.0	0.0	0.0	0.0
Pyrite:Other Silicates	0.0	0.0	0.0	0.0
Pyrite:Mica/Chlor/Clays	0.3	0.4	0.0	0.1
Pyrite:Qtz/Feld	0.3	0.4	0.6	0.2
Pyrite:Other Sulphides	0.1	0.1	0.1	0.1
Pyrite:Arsenopyrite	0.0	0.0	0.1	0.0
Lib Pyrite	7.3	9.7	3.6	4.6
Free Pyrite	47.6	35.8	30.6	15.5
Pure Pyrite	19.3	19.3	12.9	4.5



	Comp A	Comp B	Comp C	Comp D
Pyrite Complex	1.7	2.1	2.4	4.2
Pyrite:Other	0.0	0.0	0.0	0.0
Pyrite:Carbonates	0.1	0.2	0.1	0.1
Pyrite:Oxides	0.0	0.0	0.0	0.0
Pyrite:Other Silicates	0.0	0.0	0.0	0.0
Pyrite:Mica/Chlor/Clays	0.4	0.6	0.1	0.2
Pyrite:Qtz/Feld	0.4	0.7	1.3	0.7
Pyrite:Other Sulphides	0.1	0.1	0.2	0.2
Pyrite:Arsenopyrite	0.0	0.0	0.2	0.2
Lib Pyrite	9.5	14.4	7.2	17.7
Free Pyrite	62.4	53.2	62.3	59.4
Pure Pyrite	25.4	28.8	26.2	17.2

Normalized Mass of Pyrite

Mineral Name	Comp A	Comp B	Comp C	Comp D
Pure Pyrite	25.4	28.8	26.2	17.2
Free Pyrite	62.4	53.2	62.3	59.4
Lib Pyrite	9.5	14.4	7.2	17.7
Pyrite:Arsenopyrite	0.0	0.0	0.2	0.2
Pyrite:Other Sulphides	0.1	0.1	0.2	0.2
Pyrite:Qtz/Feld	0.4	0.7	1.3	0.7
Pyrite:Mica/Chlor/Clays	0.4	0.6	0.1	0.2
Pyrite:Other Silicates	0.0	0.0	0.0	0.0
Pyrite:Oxides	0.0	0.0	0.0	0.0
Pyrite:Carbonates	0.1	0.2	0.1	0.1
Pyrite:Other	0.0	0.0	0.0	0.0
Pyrite Complex	1.7	2.1	2.4	4.2
Total	**100.0**	**100.0**	**100.0**	**100.0**

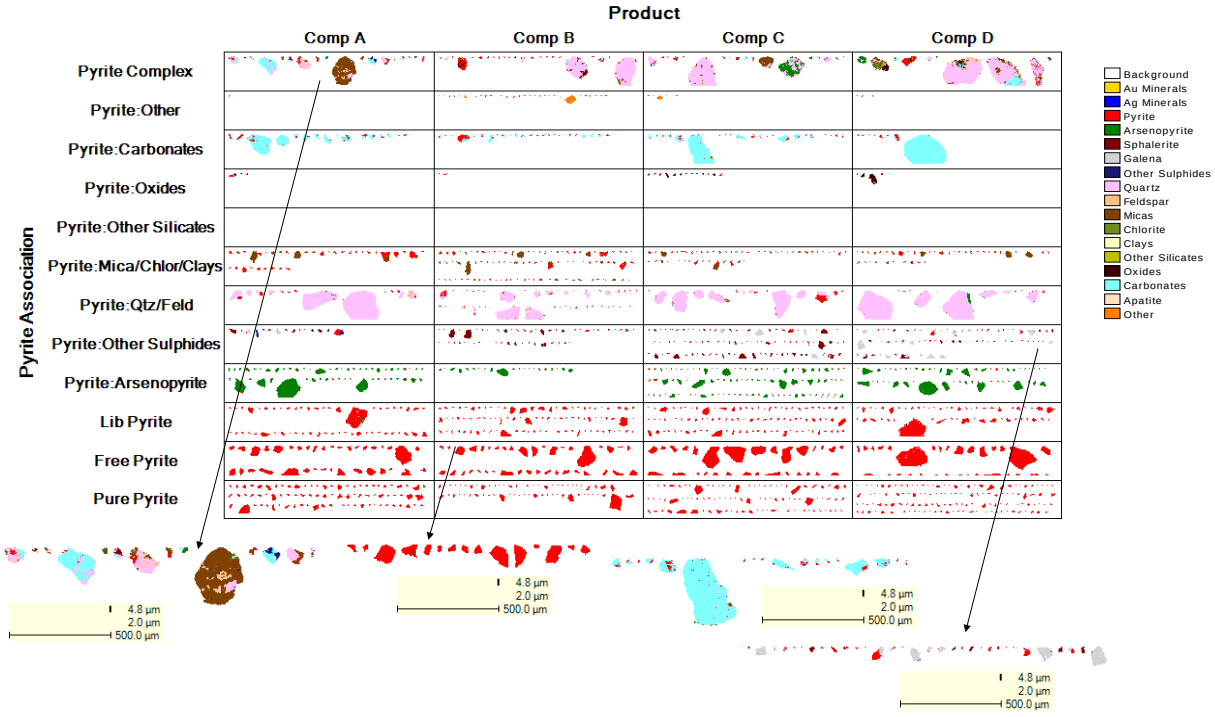
Absolute Mass of Pyrite

Mineral Name	Comp A	Comp B	Comp C	Comp D
Pure Pyrite	19.3	19.3	12.9	4.5
Free Pyrite	47.6	35.8	30.6	15.5
Lib Pyrite	7.3	9.7	3.6	4.6
Pyrite:Arsenopyrite	0.0	0.0	0.1	0.0
Pyrite:Other Sulphides	0.1	0.1	0.1	0.1
Pyrite:Qtz/Feld	0.3	0.4	0.6	0.2
Pyrite:Mica/Chlor/Clays	0.3	0.4	0.0	0.1
Pyrite:Other Silicates	0.0	0.0	0.0	0.0
Pyrite:Oxides	0.0	0.0	0.0	0.0
Pyrite:Carbonates	0.1	0.1	0.0	0.0
Pyrite:Other	0.0	0.0	0.0	0.0
Pyrite Complex	1.3	1.4	1.2	1.1
Total	**76.2**	**67.2**	**49.1**	**26.1**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

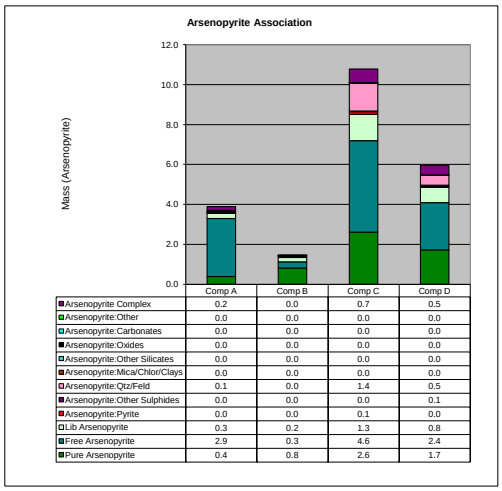
Image Grid- Pyrite Association



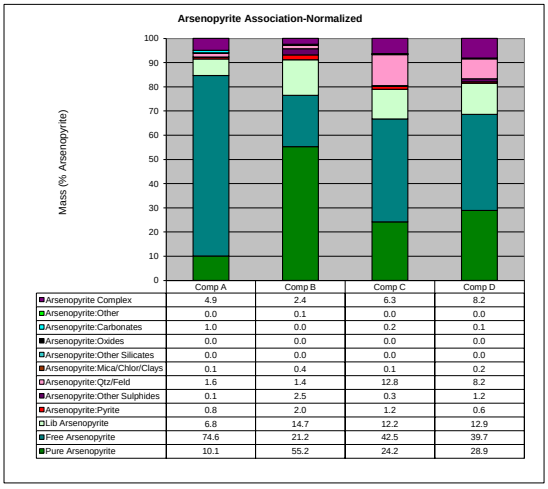
Archer,Cathro & Associates (Klaza)
CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Arsenopyrite Association



	Comp A	Comp B	Comp C	Comp D
Arsenopyrite Complex	0.2	0.0	0.7	0.5
Arsenopyrite:Other	0.0	0.0	0.0	0.0
Arsenopyrite:Carbonates	0.0	0.0	0.0	0.0
Arsenopyrite:Oxides	0.0	0.0	0.0	0.0
Arsenopyrite:Other Silicates	0.0	0.0	0.0	0.0
Arsenopyrite:Mica/Chlor/Clays	0.0	0.0	0.0	0.0
Arsenopyrite:Qtz/Feld	0.1	0.0	1.4	0.5
Arsenopyrite:Other Sulphides	0.0	0.0	0.0	0.1
Arsenopyrite:Pyrite	0.0	0.0	0.1	0.0
Lib Arsenopyrite	0.3	0.2	1.3	0.8
Free Arsenopyrite	2.9	0.3	4.6	2.4
Pure Arsenopyrite	0.4	0.8	2.6	1.7



	Comp A	Comp B	Comp C	Comp D
Arsenopyrite Complex	4.9	2.4	6.3	8.2
Arsenopyrite:Other	0.0	0.1	0.0	0.0
Arsenopyrite:Carbonates	1.0	0.0	0.2	0.1
Arsenopyrite:Oxides	0.0	0.0	0.0	0.0
Arsenopyrite:Other Silicates	0.0	0.0	0.0	0.0
Arsenopyrite:Mica/Chlor/Clays	0.1	0.4	0.1	0.2
Arsenopyrite:Qtz/Feld	1.6	1.4	12.8	8.2
Arsenopyrite:Other Sulphides	0.1	2.5	0.3	1.2
Arsenopyrite:Pyrite	0.8	2.0	1.2	0.6
Lib Arsenopyrite	6.8	14.7	12.2	12.9
Free Arsenopyrite	74.6	21.2	42.5	39.7
Pure Arsenopyrite	10.1	55.2	24.2	28.9

Normalized Mass of Arsenopyrite

Mineral Name	Comp A	Comp B	Comp C	Comp D
Pure Arsenopyrite	10.1	55.2	24.2	28.9
Free Arsenopyrite	74.6	21.2	42.5	39.7
Lib Arsenopyrite	6.8	14.7	12.2	12.9
Arsenopyrite:Pyrite	0.8	2.0	1.2	0.6
Arsenopyrite:Other Sulphides	0.1	2.5	0.3	1.2
Arsenopyrite:Qtz/Feld	1.6	1.4	12.8	8.2
Arsenopyrite:Mica/Chlor/Clays	0.1	0.4	0.1	0.2
Arsenopyrite:Other Silicates	0.0	0.0	0.0	0.0
Arsenopyrite:Oxides	0.0	0.0	0.0	0.0
Arsenopyrite:Carbonates	1.0	0.0	0.2	0.1
Arsenopyrite:Other	0.0	0.1	0.0	0.0
Arsenopyrite Complex	4.9	2.4	6.3	8.2
Total	**100.0**	**100.0**	**100.0**	**100.0**

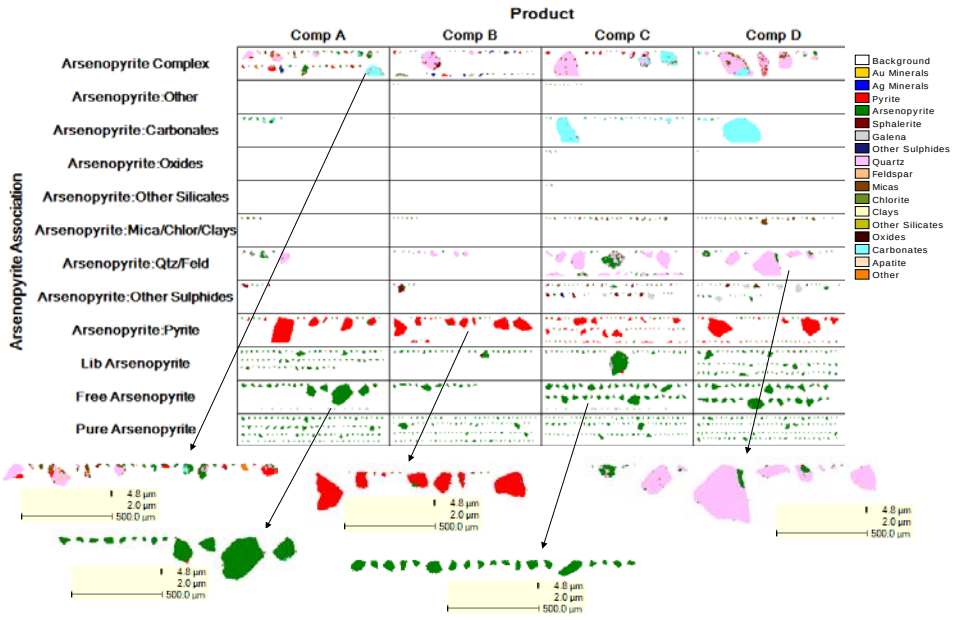
Absolute Mass of Arsenopyrite

Mineral Name	Comp A	Comp B	Comp C	Comp D
Pure Arsenopyrite	0.4	0.8	2.6	1.7
Free Arsenopyrite	2.9	0.3	4.6	2.4
Lib Arsenopyrite	0.3	0.2	1.3	0.8
Arsenopyrite:Pyrite	0.0	0.0	0.1	0.0
Arsenopyrite:Other Sulphides	0.0	0.0	0.0	0.1
Arsenopyrite:Qtz/Feld	0.1	0.0	1.4	0.5
Arsenopyrite:Mica/Chlor/Clays	0.0	0.0	0.0	0.0
Arsenopyrite:Other Silicates	0.0	0.0	0.0	0.0
Arsenopyrite:Oxides	0.0	0.0	0.0	0.0
Arsenopyrite:Carbonates	0.0	0.0	0.0	0.0
Arsenopyrite:Other	0.0	0.0	0.0	0.0
Arsenopyrite Complex	0.2	0.0	0.7	0.5
Total	**3.9**	**1.5**	**10.8**	**6.0**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

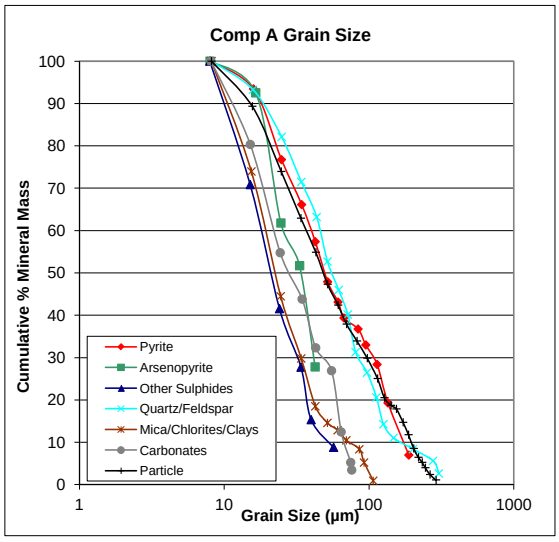
Image Grid- Arsenopyrite Association

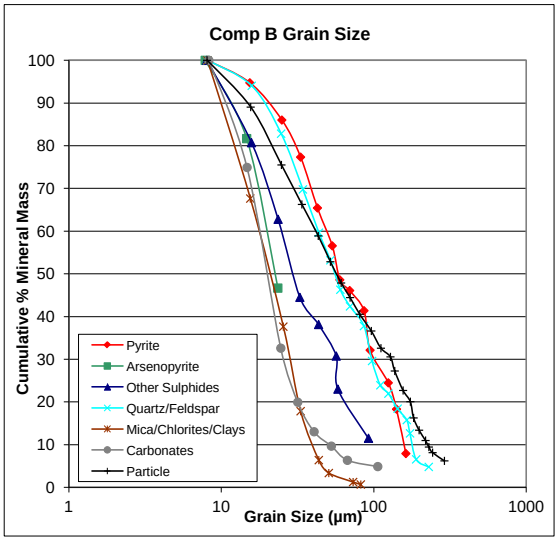


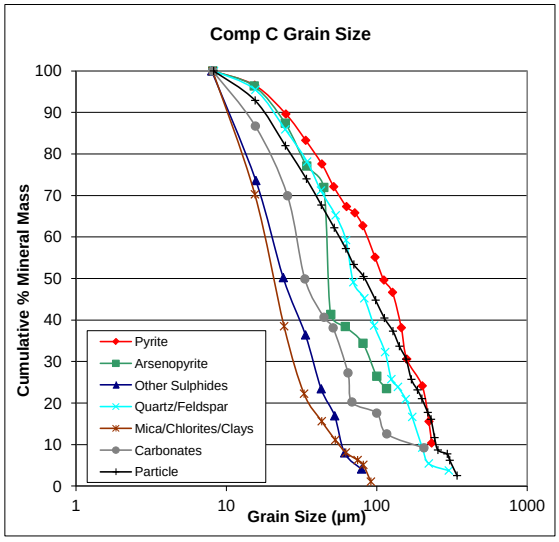
Archer,Cathro & Associates (Klaza)
CAVM-50270-101

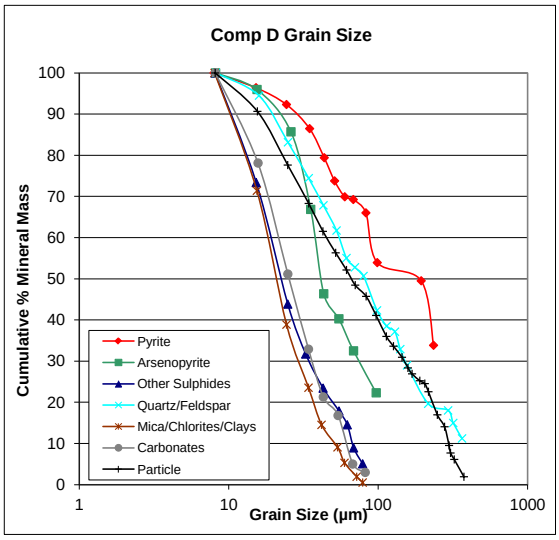
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Cumulative Grain Size Distribution





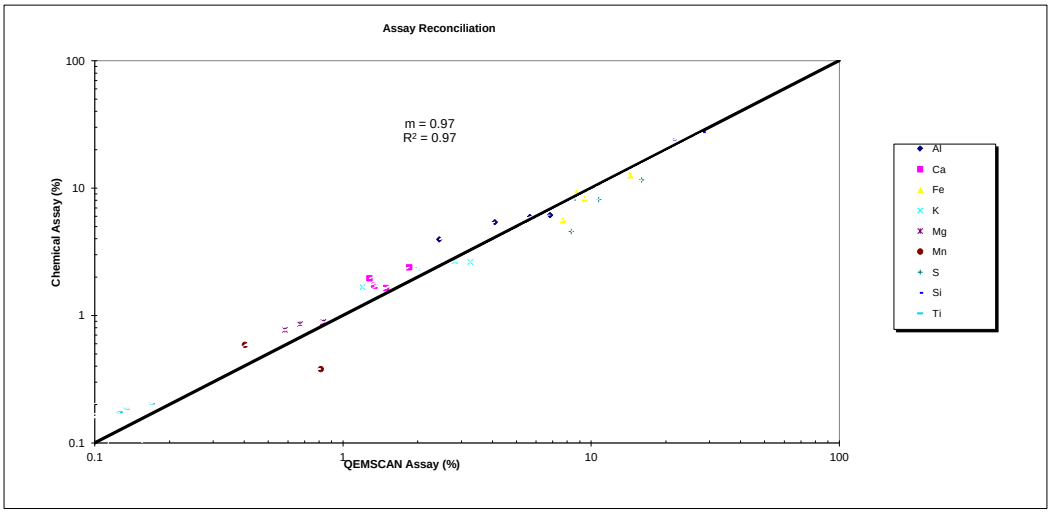




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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Assay Reconciliation

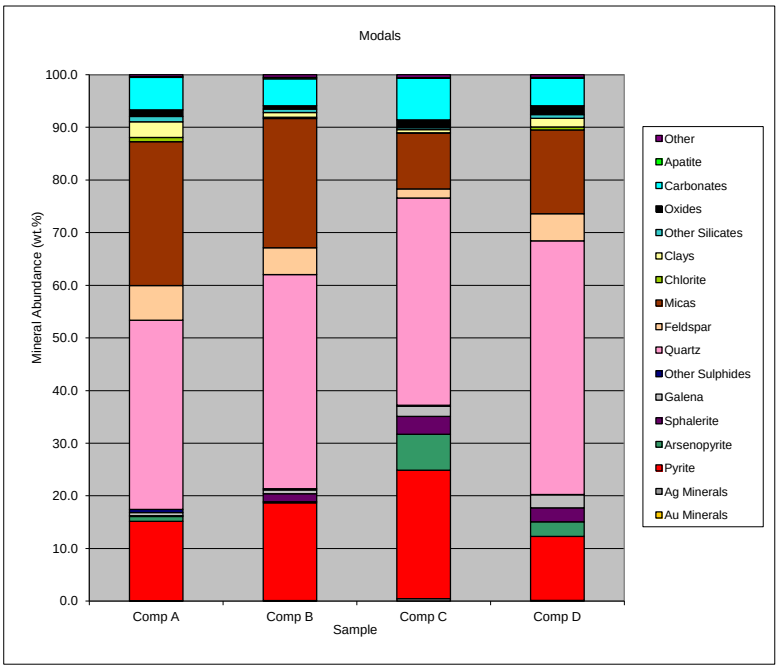


	Comp A	Comp B	Comp C	Comp D
	-106um	-106um	-106um	-106um
Al (QEMSCAN)	6.8	5.7	2.4	4.1
Al (Chemical)	6.1	5.9	4.0	5.4
Ca (QEMSCAN)	1.5	1.3	1.8	1.3
Ca (Chemical)	1.6	1.7	2.4	2.0
Fe (OEMSCAN)	8.7	9.4	14.3	7.7
Fe (Chemical)	9.2	8.3	12.6	5.6
K (QEMSCAN)	3.3	2.8	1.2	2.0
K (Chemical)	2.6	2.7	1.7	2.3
Mg (QEMSCAN)	0.8	0.6	0.8	0.7
Mg (Chemical)	0.9	0.8	0.9	0.9
Mn (QEMSCAN)	0.1	0.0	0.8	0.4
Mn (Chemical)	0.2	0.1	0.4	0.6
S (OEMSCAN)	8.6	10.7	16.0	8.3
S (Chemical)	8.3	9.1	11.6	4.6
Si (QEMSCAN)	25.7	26.2	21.4	28.1
Si (Chemical)	25.8	26.6	24.1	27.5
Ti (QEMSCAN)	0.2	0.1	0.1	0.1
Ti (Chemical)	0.2	0.2	0.1	0.2
V (QEMSCAN)	0.1	0.1	0.1	0.1
V (Chemical)	0.0	0.0	0.0	0.0

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Modals

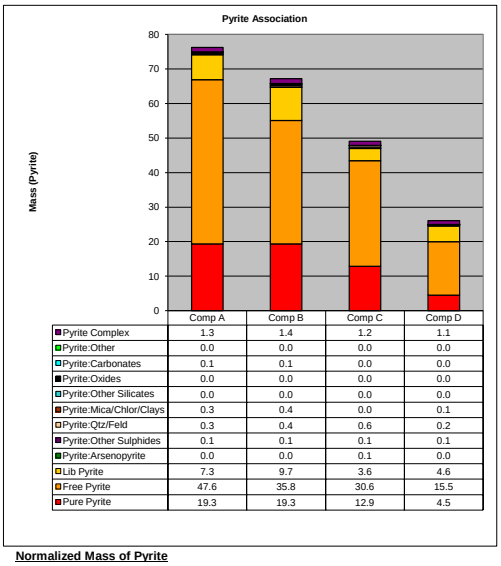


Survey		Archer,Cathro & Associates (Klaza)			
Project		CAVM-50270-101			
Sample		Comp A	Comp B	Comp C	Comp D
Fraction		-106um	-106um	-106um	-106um
Calculated ESD Particle Size		26	26	32	31
Mineral Mass (%)	Au Minerals	0.0	0.0	0.0	0.0
	Ag Minerals	0.1	0.1	0.5	0.1
	Pyrite	15.1	18.6	24.4	12.2
	Arsenopyrite	0.9	0.2	6.8	2.8
	Sphalerite	0.1	1.5	3.4	2.7
	Galena	0.6	0.7	1.9	2.5
	Other Sulphides	0.6	0.3	0.2	0.0
	Quartz	35.9	40.7	39.4	48.2
	Feldspar	6.6	5.1	1.7	5.1
	Micas	27.3	24.6	10.6	15.9
	Chlorite	0.8	0.2	0.1	0.6
	Clays	3.0	0.9	0.6	1.6
	Other Silicates	1.0	0.6	0.4	0.7
	Oxides	1.3	0.6	1.5	1.7
	Carbonates	6.2	5.1	7.9	5.2
	Apatite	0.2	0.3	0.1	0.2
	Other	0.3	0.5	0.5	0.5
	Total	100.0	100.0	100.0	100.0

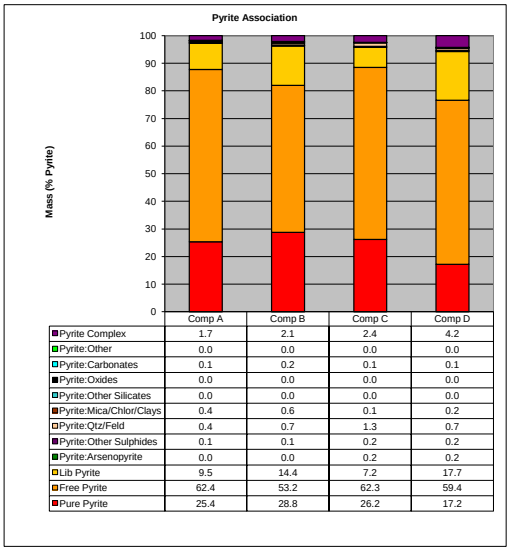
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CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Pyrite Association



	Comp A	Comp B	Comp C	Comp D
Pyrite Complex	1.3	1.4	1.2	1.1
Pyrite:Other	0.0	0.0	0.0	0.0
Pyrite:Carbonates	0.1	0.1	0.0	0.0
Pyrite:Oxides	0.0	0.0	0.0	0.0
Pyrite:Other Silicates	0.0	0.0	0.0	0.0
Pyrite:Mica/Chlor/Clays	0.3	0.4	0.0	0.1
Pyrite:Qtz/Feld	0.3	0.4	0.6	0.2
Pyrite:Other Sulphides	0.1	0.1	0.1	0.1
Pyrite:Arsenopyrite	0.0	0.0	0.1	0.0
Lib Pyrite	7.3	9.7	3.6	4.6
Free Pyrite	47.6	35.8	30.6	15.5
Pure Pyrite	19.3	19.3	12.9	4.5



	Comp A	Comp B	Comp C	Comp D
Pyrite Complex	1.7	2.1	2.4	4.2
Pyrite:Other	0.0	0.0	0.0	0.0
Pyrite:Carbonates	0.1	0.2	0.1	0.1
Pyrite:Oxides	0.0	0.0	0.0	0.0
Pyrite:Other Silicates	0.0	0.0	0.0	0.0
Pyrite:Mica/Chlor/Clays	0.4	0.6	0.1	0.2
Pyrite:Qtz/Feld	0.4	0.7	1.3	0.7
Pyrite:Other Sulphides	0.1	0.1	0.2	0.2
Pyrite:Arsenopyrite	0.0	0.0	0.2	0.2
Lib Pyrite	9.5	14.4	7.2	17.7
Free Pyrite	62.4	53.2	62.3	59.4
Pure Pyrite	25.4	28.8	26.2	17.2

Normalized Mass of Pyrite

Mineral Name	Comp A	Comp B	Comp C	Comp D
Pure Pyrite	25.4	28.8	26.2	17.2
Free Pyrite	62.4	53.2	62.3	59.4
Lib Pyrite	9.5	14.4	7.2	17.7
Pyrite:Arsenopyrite	0.0	0.0	0.2	0.2
Pyrite:Other Sulphides	0.1	0.1	0.2	0.2
Pyrite:Qtz/Feld	0.4	0.7	1.3	0.7
Pyrite:Mica/Chlor/Clays	0.4	0.6	0.1	0.2
Pyrite:Other Silicates	0.0	0.0	0.0	0.0
Pyrite:Oxides	0.0	0.0	0.0	0.0
Pyrite:Carbonates	0.1	0.2	0.1	0.1
Pyrite:Other	0.0	0.0	0.0	0.0
Pyrite Complex	1.7	2.1	2.4	4.2
Total	**100.0**	**100.0**	**100.0**	**100.0**

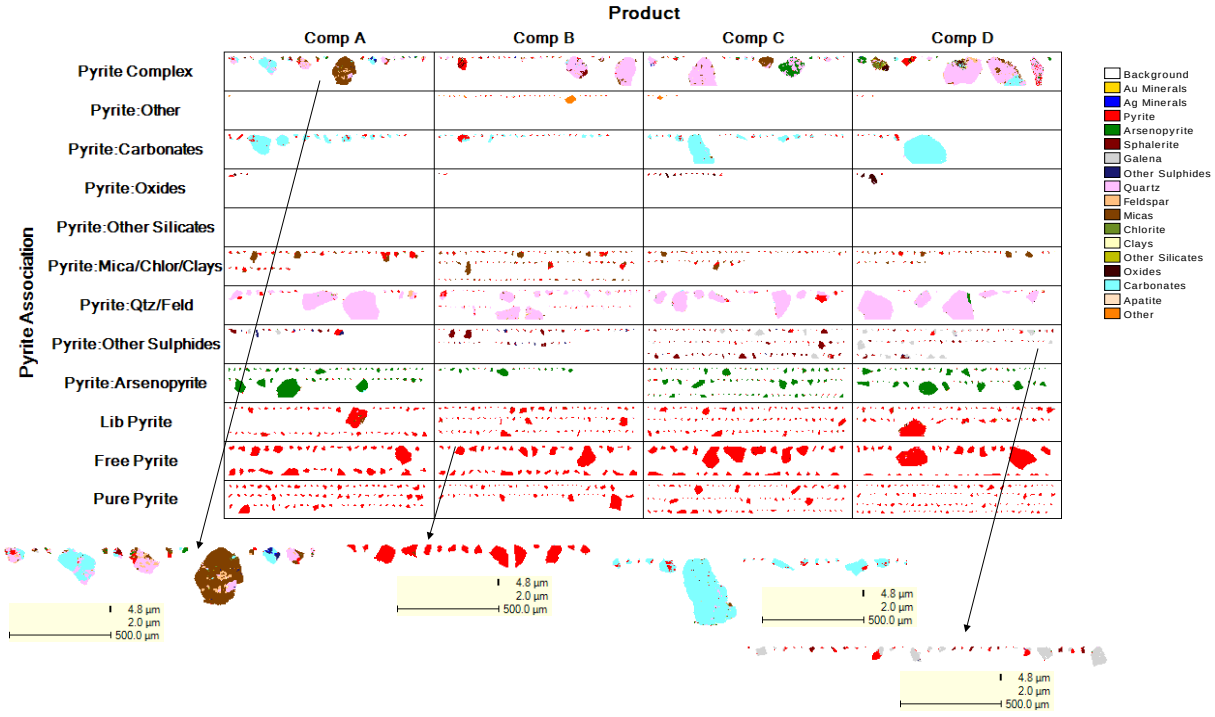
Absolute Mass of Pyrite

Mineral Name	Comp A	Comp B	Comp C	Comp D
Pure Pyrite	19.3	19.3	12.9	4.5
Free Pyrite	47.6	35.8	30.6	15.5
Lib Pyrite	7.3	9.7	3.6	4.6
Pyrite:Arsenopyrite	0.0	0.0	0.1	0.0
Pyrite:Other Sulphides	0.1	0.1	0.1	0.1
Pyrite:Qtz/Feld	0.3	0.4	0.6	0.2
Pyrite:Mica/Chlor/Clays	0.3	0.4	0.0	0.1
Pyrite:Other Silicates	0.0	0.0	0.0	0.0
Pyrite:Oxides	0.0	0.0	0.0	0.0
Pyrite:Carbonates	0.1	0.1	0.0	0.0
Pyrite:Other	0.0	0.0	0.0	0.0
Pyrite Complex	1.3	1.4	1.2	1.1
Total	**76.2**	**67.2**	**49.1**	**26.1**

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

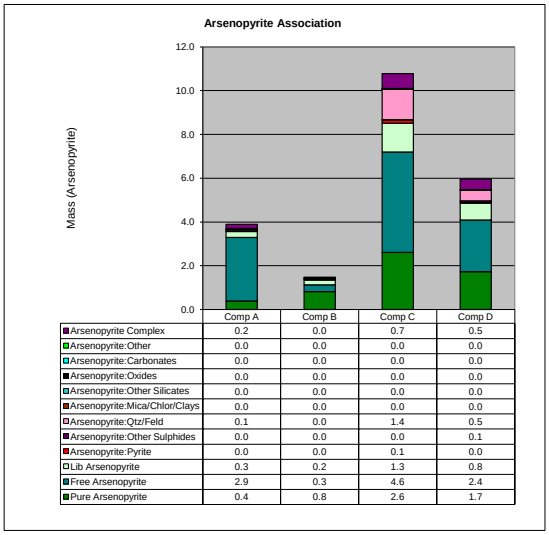
Image Grid- Pyrite Association



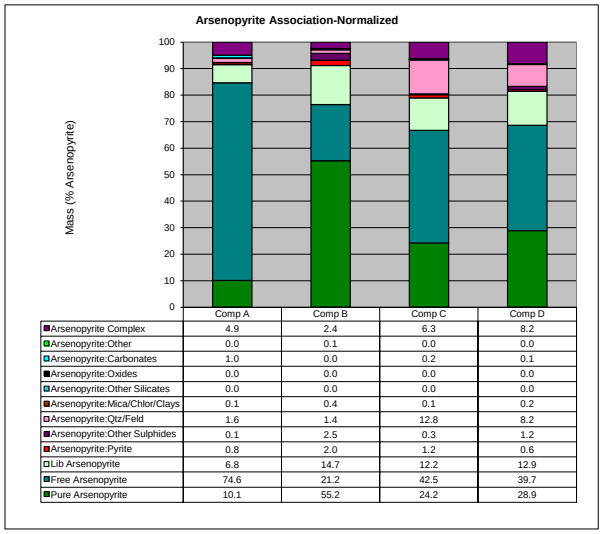
Archer,Cathro & Associates (Klaza)
CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Arsenopyrite Association



	Comp A	Comp B	Comp C	Comp D
Arsenopyrite Complex	0.2	0.0	0.7	0.5
Arsenopyrite:Other	0.0	0.0	0.0	0.0
Arsenopyrite:Carbonates	0.0	0.0	0.0	0.0
Arsenopyrite:Oxides	0.0	0.0	0.0	0.0
Arsenopyrite:Other Silicates	0.0	0.0	0.0	0.0
Arsenopyrite:Mica/Chlor/Clays	0.0	0.0	0.0	0.0
Arsenopyrite:Qtz/Feld	0.1	0.0	1.4	0.5
Arsenopyrite:Other Sulphides	0.0	0.0	0.0	0.1
Arsenopyrite:Pyrite	0.0	0.0	0.1	0.0
Lib Arsenopyrite	0.3	0.2	1.3	0.8
Free Arsenopyrite	2.9	0.3	4.6	2.4
Pure Arsenopyrite	0.4	0.8	2.6	1.7



	Comp A	Comp B	Comp C	Comp D
Arsenopyrite Complex	4.9	2.4	6.3	8.2
Arsenopyrite:Other	0.0	0.1	0.0	0.0
Arsenopyrite:Carbonates	1.0	0.0	0.2	0.1
Arsenopyrite:Oxides	0.0	0.0	0.0	0.0
Arsenopyrite:Other Silicates	0.0	0.0	0.0	0.0
Arsenopyrite:Mica/Chlor/Clays	0.1	0.4	0.1	0.2
Arsenopyrite:Qtz/Feld	1.6	1.4	12.8	8.2
Arsenopyrite:Other Sulphides	0.1	2.5	0.3	1.2
Arsenopyrite:Pyrite	0.8	2.0	1.2	0.6
Lib Arsenopyrite	6.8	14.7	12.2	12.9
Free Arsenopyrite	74.6	21.2	42.5	39.7
Pure Arsenopyrite	10.1	55.2	24.2	28.9

Normalized Mass of Arsenopyrite

Mineral Name	Comp A	Comp B	Comp C	Comp D
Pure Arsenopyrite	10.1	55.2	24.2	28.9
Free Arsenopyrite	74.6	21.2	42.5	39.7
Lib Arsenopyrite	6.8	14.7	12.2	12.9
Arsenopyrite:Pyrite	0.8	2.0	1.2	0.6
Arsenopyrite:Other Sulphides	0.1	2.5	0.3	1.2
Arsenopyrite:Qtz/Feld	1.6	1.4	12.8	8.2
Arsenopyrite:Mica/Chlor/Clays	0.1	0.4	0.1	0.2
Arsenopyrite:Other Silicates	0.0	0.0	0.0	0.0
Arsenopyrite:Oxides	0.0	0.0	0.0	0.0
Arsenopyrite:Carbonates	1.0	0.0	0.2	0.1
Arsenopyrite:Other	0.0	0.1	0.0	0.0
Arsenopyrite Complex	4.9	2.4	6.3	8.2
Total	**100.0**	**100.0**	**100.0**	**100.0**

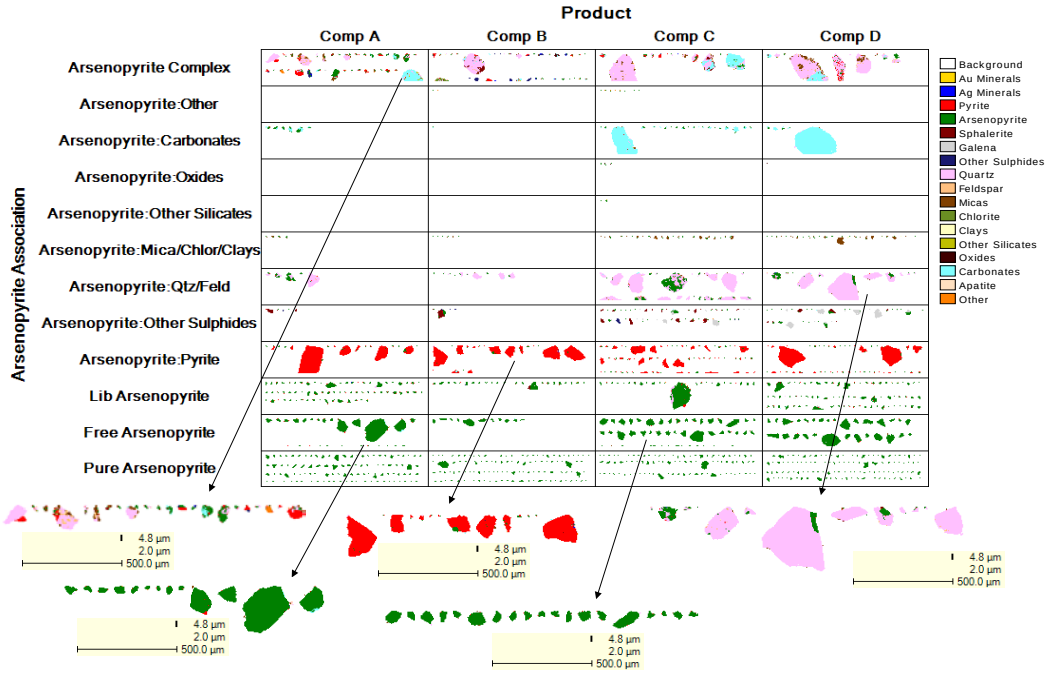
Absolute Mass of Arsenopyrite

Mineral Name	Comp A	Comp B	Comp C	Comp D
Pure Arsenopyrite	0.4	0.8	2.6	1.7
Free Arsenopyrite	2.9	0.3	4.6	2.4
Lib Arsenopyrite	0.3	0.2	1.3	0.8
Arsenopyrite:Pyrite	0.0	0.0	0.1	0.0
Arsenopyrite:Other Sulphides	0.0	0.0	0.0	0.1
Arsenopyrite:Qtz/Feld	0.1	0.0	1.4	0.5
Arsenopyrite:Mica/Chlor/Clays	0.0	0.0	0.0	0.0
Arsenopyrite:Other Silicates	0.0	0.0	0.0	0.0
Arsenopyrite:Oxides	0.0	0.0	0.0	0.0
Arsenopyrite:Carbonates	0.0	0.0	0.0	0.0
Arsenopyrite:Other	0.0	0.0	0.0	0.0
Arsenopyrite Complex	0.2	0.0	0.7	0.5
Total	**3.9**	**1.5**	**10.8**	**6.0**

Archer,Cathro & Associates (Klaza)
CAVM-50270-101

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

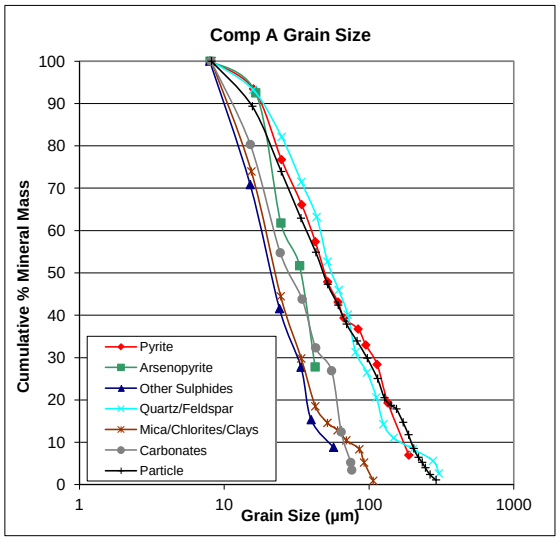
Image Grid- Arsenopyrite Association

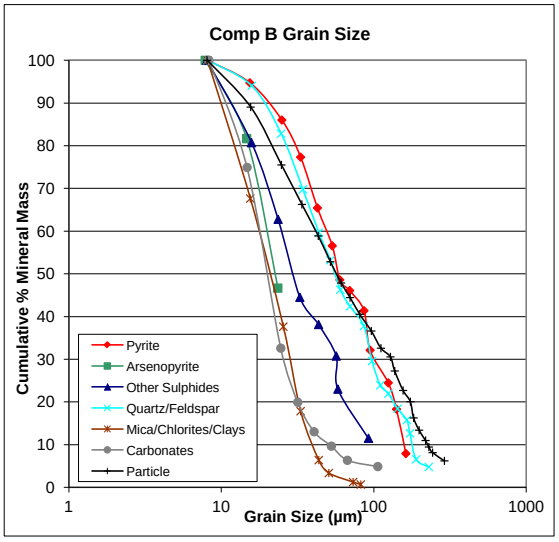


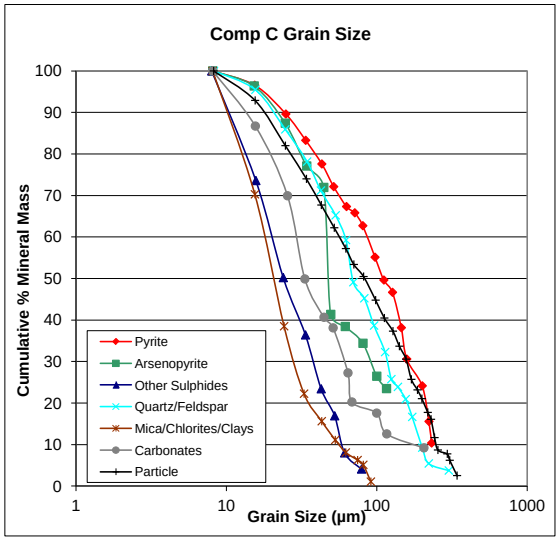
Archer,Cathro & Associates (Klaza)
CAVM-50270-101

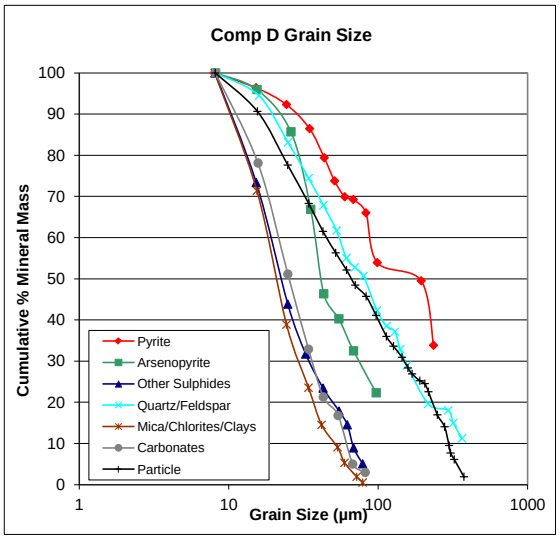
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Cumulative Grain Size Distribution









CLIENT : SGS Metallurgy
Project : Archer Cathro (SGS Project # 50270-101)
SGS ARD Project # : 12112
Test : Modified Acid-Base Accounting
Date : December 17, 2012

Sample ID	Paste pH	TIC %	CaCO3 NP	S(T) %	S(SO4) %	S(S-2) %	AP	Modified NP	Net Modified NP	NP/AP	Fizz Test
Method Code	Sobek	CSB02V	Calc.	CSA06V	CSA07V	Calc.	Calc.	Modified	Calc.	Calc.	Sobek
LOD	0.2	0.01	#N/A	0.01	0.01	#N/A	#N/A	0.5	#N/A	#N/A	#N/A
Comp A	7.86	0.89	74.17	8.31	0.04	8.27	258.4	57.8	-200.6	0.2	Slight
Comp B	8.00	0.88	73.33	8.14	0.05	8.09	252.8	59.4	-193.4	0.2	Slight
Comp C	8.00	1.29	107.50	11.60	0.05	11.55	360.9	85.5	-275.4	0.2	Slight
Comp D	8.26	1.16	96.67	4.56	0.04	4.52	141.3	74.6	-66.7	0.5	Slight
Duplicates											
Comp A	7.96							57.3			
Comp C		1.31			0.05						
QC											
PD-1					4.35						
SY4		0.92									
NBM-1								41.7			Slight
Expected Values		0.95			4.27			42.0			Slight
Tolerance (+/-)		0.06			0.3			4.0			

Note:

CLIENT : SGS Metallurgy
Project : Archer Cathro (SGS Project # 50270-101)
SGS ARD Project # : 12112
Test : Metals by Aqua Regia Digestion with ICP-MS Finish
Date : December 24, 2012

Sample ID	**Al %**	**B ppm**	**Ba ppm**	**Ca %**	**Cr ppm**	**Cu ppm**	**Fe %**
Method Code	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B
LOD	0.01	10	5	0.01	1	0.5	0.01
Comp A	0.46	30	45	1.56	72	2430	8.59
Comp B	0.31	50	46	1.63	69	2010	8.17
Comp C	0.25	40	32	2.07	80	1840	11.2
Comp D	0.3	40	84	1.8	77	801	5.19
Duplicates							
Comp C	0.24	30	36	2.06	76	1850	11
QC							
CH4	1.87	60	318	0.58	101	2020	4.67
Certified Values	1.85	#N/A	293	0.61	103.8	2000	4.79
Tolerance Level (%)	11.35	#N/A	14.3	14.1	12.4	10.1	10.52

K %	Li ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	S %	Sr ppm
ICM14B 0.01	ICM14B 1	ICM14B 0.01	ICM14B 2	ICM14B 0.01	ICM14B 0.5	ICM14B 50	ICM14B 0.01	ICM14B 0.5
0.21	2	0.62	1720	<0.01	3.9	480	>5	50.7
0.2	1	0.54	1080	<0.01	3.7	400	>5	41
0.15	<1	0.69	3320	<0.01	4	280	>5	51.3
0.19	1	0.53	5480	<0.01	3.2	380	>5	53.3
0.16	<1	0.71	3410	<0.01	3.9	260	>5	52.4
1.43	14	1.19	303	0.05	45.7	560	0.65	9.8
1.43	12.6	1.18	324	0.06	49.57	719	0.73	9.38
11.74	29.84	12.3	11.5	50.3	12.52	27.4	13.4	23.3

Ti %	V ppm	Zn ppm	Zr ppm	Ag ppm	As ppm	Be ppm	Bi ppm	Cd ppm
ICM14B 0.01	ICM14B 1	ICM14B 1	ICM14B 0.5	ICM14B 0.01	ICM14B 1	ICM14B 0.1	ICM14B 0.02	ICM14B 0.01
<0.01	9	1300	6.3	>10	6990	0.3	71.4	14.6
<0.01	5	4910	4	>10	4220	0.2	193	49.5
<0.01	1	>10000	4.7	>10	>10000	0.3	70.9	198
<0.01	9	>10000	4.9	>10	>10000	0.3	6.43	161
<0.01	1	>10000	4.7	>10	>10000	0.3	68.2	201
0.21	78	194	14.7	2.27	13	<0.1	0.6	0.88
0.21	79.27	189.4	9	2.13	8.14	0.11	0.51	1.17
23.3	13.2	11.3	17.7	10.9	13.1	241.3	19.7	12.1

Ce ppm	Co ppm	Cs ppm	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	La ppm
ICM14B 0.05	ICM14B 0.1	ICM14B 0.05	ICM14B 0.1	ICM14B 0.1	ICM14B 0.05	ICM14B 0.01	ICM14B 0.02	ICM14B 0.1
11.9	15.4	3.35	1.5	0.2	0.15	0.65	0.58	6.2
13.2	25.3	2.31	1.8	0.2	0.09	1.18	1.9	7.5
5.21	43.6	1.84	1.1	0.2	0.08	1.91	1.89	2.6
12.9	26.2	3.96	1.9	0.2	0.1	1.73	1.19	6.6
5.41	46.7	1.85	1.1	0.2	0.09	1.97	1.91	2.7
22.5	23.5	1.79	9.6	0.4	0.32	<0.01	0.07	11.2
28.18	22.8	2.6	8.72	0.21	0.29	#N/A	0.1	14
10.4	11.1	14.8	12.9	127.4	52.8	#N/A	62.1	11.8

Lu ppm	Mo ppm	Nb ppm	Pb ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sn ppm
ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B
0.01	0.05	0.05	0.2	0.2	0.05	0.1	1	0.3
0.09	3.53	0.08	4320	15.6	44.8	1.8	<1	1.9
0.08	9.73	0.05	5130	15	87.1	1.6	2	4.9
0.04	10.4	0.08	>10000	11.8	255	1.1	2	4.8
0.09	8.72	0.05	>10000	15.4	472	2.1	<1	7.1
0.04	10.5	0.07	>10000	11.9	261	1.1	2	4.7
0.05	3.22	0.28	11.5	96.1	0.29	5.7	1	0.5
#N/A	3.05	0.19	8.24	67	0.34	7.99	1.57	0.6
#N/A	14.1	75	16.1	10.7	47.3	13.1	169.6	134.5

Ta ppm	Tb ppm	Te ppm	Th ppm	Tl ppm	U ppm	W ppm	Y ppm	Yb ppm
ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B
0.05	0.02	0.05	0.1	0.02	0.05	0.1	0.05	0.1
<0.05	0.18	0.79	7.4	0.26	3.58	0.3	8.18	0.6
<0.05	0.16	6.13	7.9	0.32	3.38	0.5	6.64	0.6
<0.05	0.1	2.03	4	0.32	4.34	0.4	4.09	0.3
<0.05	0.19	0.16	6	0.45	8.31	0.7	7.97	0.7
<0.05	0.09	2.82	4.3	0.32	4.34	0.4	4.13	0.3
<0.05	0.23	0.32	1.8	0.39	0.26	2.1	6.58	0.4
0.3	0.27	0.42	2.2	0.4	0.29	2.15	5.66	#N/A
51.7	28.4	39.6	21.2	22.6	52.9	21.6	12.2	#N/A

CLIENT : **SGS Metallurgy**
Project : **Archer Cathro (SGS Project # 50270-101)**
SGS ARD Project # : **12112**
TEST : **Net Acid Generation (NAG)**
Sample Weight : **2.50 g**
NAG Solution : **250 mL of 17.5% H2O2 adjusted to pH 5.20 with 1N NaOH**
Date : **December 7, 2012**

Sample ID	NAG pH after reaction	Vol. of 0.1 N NaOH		NAG (kg H2SO4/tonne)	
		to pH 4.5	to pH 7.0	to pH 4.5	to pH 7.0
Comp A	2.67	9.10	24.40	17.8	47.8
Comp B	2.63	12.10	25.60	23.7	50.2
Comp C	2.93	7.00	32.60	13.7	63.9
Comp D	4.24	0.35	14.30	0.7	28.0
Blank	5.41	-	-	-	-

APPENDIX V

SAMPLE HANDLING AND ANALYTICAL PROCEDURES

SAMPLING METHODS AND APPROACH

This section describes the sampling methods followed during the 1986 to 1989 and 2010 to 2012 exploration programs supervised by Archer, Cathro & Associates (1981) Limited and the 1998 program conducted by BYG Natural Resources Inc. There is not sufficient information to comment on the 1980 exploration program conducted by BRX or any of the earlier work programs.

Soil samples collected in 1986 and 1998 were taken from a 1400 by 2500 m northwest trending grid that covers most of the southeastern part of the Property. Soil samples were collected at 50 m intervals on lines spaced 100 m apart using two northwest trending base lines for grid control. The base lines are approximately 800 m apart and marked at 50 m intervals with one metre high wooden lath, while the sample sites on cross lines were marked with 0.5 m lath. All lath bear aluminum tags inscribed with the grid coordinates and sample numbers. The grids were established with hip-chain and compass, but later survey control was provided by hard-chain and transit. The soil samples were taken 20 to 50 centimeters below surface from B horizon material. They were placed in pre-numbered heavy gauge paper bags. A total of 1405 soil samples were collected in 1986 and 776 in 1998.

Soil samples collected in 2010 and 2011 extended sample coverage to the west and north of the earlier grids, while 2012 sampling was mostly done in the southeast corner of the Property. The samples were taken using soil augers, between 30 cm and 130 cm below surface. Soil samples were collected at 50 m intervals along lines spaced between 100 to 200 m apart. The sample sites were marked by a 0.5 m lath with orange flagging tape labelled with the sample number. Soil samples were placed into individually pre-numbered Kraft paper bags.

Channel samples were collected from bulldozer and excavator trenches in several parts of the Property during programs conducted between 1986 and 1989 and from 2010 to 2012. Bedrock exposed in trenches was sampled on a continuous basis. A total of 231 channel samples were collected in 1986, 227 in 1987, 247 in 1988, 13 in 1989, 2389 in 2010, 2137 in 2011 and 1981 in 2012. In 1987, 43 soil samples were also collected from C horizon soil along the floor of various trenches that did not reach bedrock. The collection protocol for channel samples was:

1) Trenches were excavated.
2) The walls of trenches were cleaned, where necessary, with a shovel.
3) Trenches were mapped and sample intervals marked at geological breaks or at 1 to 10 m intervals depending on the intensity of alteration and mineralization.
4) Continuous channel samples were taken along one wall of the trench, as close to the floor of the trench as slumping would allow, using a geological hammer. The chips were collected either in a tub or on a sample sheet. Sample sizes averaged approximately two kilograms per linear metre sampled for intervals containing veins and about 7 kg per sample for intervals comprised primarily of altered wallrock.
5) Samples were placed in doubled 6 mm plastic bags along with a pre-numbered sample tag, then two or three samples were placed in a fiberglass bag sealed with a metal clasp and sample numbers were written on the outside of that bag with permanent felt pen.

A total of 107 **drill core samples** were collected in 1988, 176 were collected in 1998, 755 were collected in 2010, 6682 were collected in 2011 and 11045 were collected in 2012. During the programs drill core samples were collected using the following procedures:

1) Core was lightly washed and measured.
2) Core was geotechnically logged.
3) Core was geologically logged and sample intervals were designated. Sample intervals were set at geological boundaries, drill blocks or sharp changes in sulfide content.
4) Core recovery was calculated for each sample interval.
5) Core was split in half with either an impact core splitter or a rock saw. One-half was sent for analyses and one-half returned to the core box.
6) Samples were double bagged in 6 mm plastic bags, a sample tag was placed in each sample bag, then two or three samples were placed in a fiberglass bag sealed with a metal clasp and sample numbers were written on the outside of that bag with permanent felt pen.

SAMPLE PREPARATION, ANALYSIS AND SECURITY

This section describes the sample handling procedures followed during the 1986 to 1989 and 2010 to 2012 exploration programs managed by Archer Cathro and the 1998 program conducted by BYG. The procedures followed during earlier exploration programs are not known.

During the 1986 to 1989 programs all samples were transported from the Property to Whitehorse by truck, escorted by a member of the geological crew, and then shipped via Canadian Airlines or a commercial trucking company to Chemex Labs (now ALS Minerals) in North Vancouver, B.C. Soil geochemical samples were dry sieved through a -35 mesh screen and ring pulverized to approximately -100 mesh before being analyzed for gold by neutron activation and inductively coupled plasma (ICP) analyses. Channel samples were fire assayed for gold and silver. The 1988 drill core samples were also fire assayed for gold and silver.

Drill core samples collected in 1998 were shipped directly from the site by company vehicle to the laboratory operated by Little Salmon Analytical in Carmacks. That laboratory was primarily established to process samples from the former Mount Nansen mine. The samples were assayed for gold and silver. The analyses were by the one ton fire assay method.

Samples collected in 2006 were submitted to ALS Chemex in North Vancouver, B.C. Analyses were done using industry-standard fire assay and ICP techniques. The ALS Chemex (now ALS Minerals) laboratory in North Vancouver carries ISO 9001:2000 registration and is accredited to ISO 17025 by Standards Council of Canada for a number of specific test procedures including fire assay Au by AA, ICP and gravimetric finish, and multi-element ICP and AA assays for Ag, Cu, Pb and Zn.

Samples collected from the 2010 to 2012 exploration programs were handled as follows. All drill core from 2010 was trucked to the Archer Cathro yard in Whitehorse for logging and splitting. Drill core from 2011 and 2012 was logged and sawn or split at a processing facility of the Property. All trench samples were collected and labelled at the trench. Rock chips from the 2011 reverse circulation percussion drill program were collected, split, and sampled at each respective drill site. Approximately 3 to 10 rock chips were collected from each sampled

interval and put into trays. The chips were later logged in the Archer Cathro office in Vancouver.

The 2011 and 2012 analytical work was done by ALS Minerals, with sample preparation in Whitehorse and assays and geochemical analyses in North Vancouver. All core samples from the Property were processed in 36 sample batches with each batch including two assay standards, two blank samples, and two duplicate samples. Trench samples from the Property were also processed in 36 sample batches with each batch including one assay standard and one blank sample. In 2011 core, rock chips and trench samples were initially analyzed for gold by fire assay followed by atomic absorption (Au-AA24) and 35 other elements by inductively coupled plasma-atomic emission spectroscopy (ME-ICP41). Overlimit values for gold were determined by fire assay and gravimetric finish (Au-GRA22) and silver values were determined using Ag-OG46. Later sample pulps from mineralized intervals of drill core from 2011 were reanalyzed for lead and zinc as well as 46 other elements using four acid digestion followed by inductively coupled plasma-atomic emission spectrometry (ME-MS61). Overlimit values for silver, lead and zinc were determined by inductively coupled plasma-atomic emission spectroscopy (Ag/Pb/Zn-OG62). In early 2012, check assaying of some core samples from the Property was done at ACME Labs in Vancouver. In 2012 routine analysis of core and trench samples was done by Au-AA24 for gold and ME-MS61 for 46 other elements, with overlimit analyses by Au-GRA22 and/or Ag/Pb/Zn-OG62.

APPENDIX VI

CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-JUN-2013
Account: ROCKHA

CERTIFICATE WH13113603

Project: Klaza - 40

P.O. No.: Batch 1

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 22-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

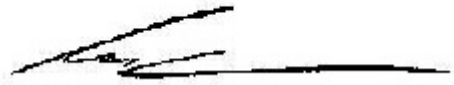
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29- JUN- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113603

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L865151		2.82	0.102	1.73	7.93	34.7	2200	1.20	4.76	0.55	0.75	35.6	6.0	15	12.45	142.0
L865152		3.18	0.106	2.13	8.29	27.1	2320	1.31	6.15	0.76	0.62	46.2	4.7	17	11.60	137.0
L865153		3.21	0.082	1.78	8.09	28.1	2130	1.36	6.13	1.30	0.79	50.0	4.1	13	10.90	129.0
L865154		3.16	0.074	1.22	7.78	32.7	2420	1.21	3.34	1.09	0.97	41.7	3.6	15	9.78	122.5
L865155		3.57	0.183	1.28	7.76	108.0	2000	1.15	2.09	0.43	0.96	41.5	4.0	15	23.2	97.6
L865156		2.02	<0.005	0.01	0.11	<5	50	0.06	0.05	19.90	0.12	3.45	1.1	3	0.32	2.2
L865157		3.65	0.584	5.09	8.45	124.0	1870	1.42	16.75	0.67	1.38	51.2	3.1	16	20.1	139.0
L865158		4.26	0.555	2.03	8.15	159.5	1600	1.55	3.85	0.36	1.61	51.3	3.6	14	22.6	195.0
L865159		3.96	0.122	1.00	8.29	39.1	2400	1.41	2.11	1.64	1.09	45.7	6.0	13	9.44	136.0
L865160		3.89	0.105	2.29	8.34	125.0	2200	1.41	5.49	0.40	0.87	48.5	4.4	16	33.9	171.0
L865161		2.34	0.045	1.07	8.38	27.8	2440	1.51	1.33	1.44	1.35	43.4	5.4	15	12.15	209
L865162		2.47	0.067	0.87	7.65	24.3	2150	1.43	2.08	0.70	3.70	30.0	23.5	13	28.5	441
L865163		0.26	1.745	38.9	5.55	2530	400	1.10	36.9	1.66	45.4	34.8	16.5	21	9.68	1150
L865164		6.12	0.168	0.95	8.44	29.8	2930	1.61	1.95	1.42	1.75	48.9	12.0	14	11.65	330
L865165		3.31	0.238	8.28	7.80	73.4	2080	1.47	61.0	0.62	2.80	47.3	10.4	13	16.75	1020
L865166		3.61	0.051	0.61	8.25	27.4	2290	1.62	1.64	2.44	1.15	48.8	16.6	15	8.69	103.0
L865167		4.14	0.126	1.12	9.00	80.2	1210	1.78	2.73	0.38	1.81	50.3	22.0	16	29.2	167.0
L865168		2.66	0.110	1.36	8.17	160.5	1470	1.69	2.92	0.35	1.13	42.9	13.5	15	17.85	87.6
L865169		3.88	0.104	0.71	7.96	40.5	2170	1.58	1.74	1.21	0.79	46.6	7.1	14	12.30	74.7
L865170		3.73	0.842	2.42	8.48	127.5	1460	1.52	9.43	0.21	0.75	54.6	3.4	13	30.7	66.3
L865171		3.84	0.110	1.14	8.39	58.1	2170	1.66	4.02	0.93	1.19	57.9	8.9	14	15.30	119.0
L865172		2.60	0.074	2.13	8.85	49.2	2440	1.76	6.26	0.76	1.47	49.4	8.2	14	14.95	139.5
L865173		5.43	0.106	2.03	8.73	48.1	2020	1.87	5.75	0.71	1.45	55.1	8.7	20	10.05	147.0
L865174		3.78	0.063	0.90	8.50	46.0	1850	1.58	2.68	0.66	0.82	37.2	8.0	19	13.70	148.0
L865175		3.47	0.084	2.29	8.55	34.8	2360	1.36	7.15	0.33	0.48	36.6	4.3	15	19.00	97.4
L865176		4.14	1.405	9.88	8.16	81.7	1110	1.63	38.1	0.17	0.55	50.4	2.9	14	22.0	268
L865177		4.65	0.054	0.48	8.39	42.0	3170	1.38	1.69	1.22	0.57	40.0	6.1	13	9.23	182.0
L865178		2.15	0.036	0.50	7.91	30.0	2470	1.52	1.00	2.36	0.37	45.6	8.6	15	8.19	51.6
L865179		3.24	0.071	0.58	8.09	74.6	2340	1.41	1.78	1.30	0.43	43.3	4.0	14	10.45	65.3
L865180		2.89	0.049	0.67	8.12	27.2	3350	1.43	1.25	1.81	0.40	51.9	6.1	13	8.78	76.6
L865181		3.29	0.066	0.43	8.35	35.7	2140	1.34	1.40	0.97	0.46	32.6	3.7	14	12.20	77.3
L865182		4.28	0.105	0.63	8.08	56.5	2830	1.52	2.02	1.77	0.53	38.3	5.5	14	7.89	114.0
L865183		5.78	0.267	1.26	8.33	80.4	1540	1.61	4.06	0.75	0.75	38.3	6.2	15	13.85	131.5
L865184		5.42	0.172	2.03	7.95	72.1	2090	1.56	4.28	0.35	0.67	36.9	3.7	16	12.25	116.5
L865185		2.99	0.170	4.42	8.01	144.0	1880	1.39	17.60	0.27	0.50	49.9	2.7	12	12.25	87.0
L865186		5.11	0.166	1.08	7.72	44.3	3060	1.53	2.94	0.76	0.52	32.7	1.9	7	10.35	46.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29- JUN- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113603

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L865151		4.58	18.05	0.14	0.9	0.206	2.78	18.6	16.2	1.27	493	1.81	0.70	6.7	5.1	1010
L865152		5.85	19.05	0.17	1.0	0.156	2.97	25.7	14.7	1.33	325	2.21	1.09	6.5	4.8	1240
L865153		4.93	18.20	0.21	0.8	0.142	2.71	26.5	17.0	1.43	419	2.07	1.42	7.6	5.2	1250
L865154		5.78	17.15	0.18	0.8	0.148	2.93	21.3	15.8	1.14	338	2.52	1.12	6.7	4.3	1350
L865155		4.77	18.35	0.19	0.9	0.157	3.27	21.3	13.4	0.84	231	2.22	0.70	7.2	3.1	1130
L865156		0.48	0.38	0.26	<0.1	<0.005	0.05	1.8	1.4	12.50	208	0.15	0.01	0.1	2.3	200
L865157		4.89	20.3	0.21	0.9	0.364	3.68	25.4	12.2	0.92	310	2.19	0.69	8.4	4.0	1090
L865158		5.45	19.30	0.19	1.0	0.405	3.44	25.8	15.2	0.81	257	2.98	0.61	8.6	4.0	1230
L865159		5.48	18.65	0.20	0.9	0.194	2.81	24.0	16.8	1.44	435	2.11	1.36	8.4	6.7	1360
L865160		5.13	19.60	0.19	1.0	0.393	3.45	22.9	19.3	0.48	227	2.11	0.33	9.0	3.6	890
L865161		6.67	18.30	0.17	1.0	0.246	2.74	22.5	18.3	1.17	536	3.86	0.67	8.3	5.9	1330
L865162		9.44	17.25	0.14	0.9	0.301	2.48	15.2	21.8	1.09	1850	2.65	0.38	7.5	7.5	1190
L865163		8.59	13.70	0.14	0.8	1.515	2.59	17.8	16.6	0.65	2260	16.70	0.06	4.7	14.5	440
L865164		8.11	18.35	0.17	0.8	0.412	2.84	25.9	16.6	1.41	642	2.40	1.49	7.6	6.7	1290
L865165		7.91	16.70	0.17	1.1	1.150	3.00	25.5	17.8	1.04	555	2.95	0.56	6.7	5.3	1090
L865166		5.40	18.60	0.20	1.1	0.168	2.54	23.6	17.8	1.67	749	2.56	1.66	8.1	8.3	1370
L865167		6.45	19.90	0.16	1.0	0.519	3.04	26.6	18.5	0.52	419	2.83	0.33	6.8	5.5	1190
L865168		6.89	19.20	0.16	1.0	0.466	3.39	22.7	16.5	0.91	323	2.79	0.71	5.9	4.4	1210
L865169		5.13	17.55	0.17	1.1	0.272	3.02	24.7	16.3	1.27	411	2.91	1.25	7.8	5.3	1230
L865170		3.25	19.80	0.19	1.1	0.465	3.81	27.2	14.0	0.40	123	2.37	0.15	8.4	1.9	580
L865171		5.33	19.10	0.21	1.1	0.770	3.50	32.4	15.8	1.07	468	2.72	0.73	8.0	5.2	1090
L865172		5.93	18.55	0.18	1.0	0.669	3.34	26.3	23.5	0.98	488	2.82	0.75	8.4	5.0	1460
L865173		5.81	19.20	0.18	1.6	0.861	3.33	28.2	17.6	1.39	756	2.64	0.55	8.5	6.3	1290
L865174		4.95	19.35	0.18	2.1	0.301	3.05	18.2	30.0	1.17	414	2.61	0.68	9.7	7.5	1110
L865175		5.23	19.10	0.18	1.2	0.551	3.90	19.7	15.7	1.43	540	2.00	0.30	8.5	4.4	710
L865176		6.30	19.00	0.15	1.1	0.801	3.54	25.5	10.0	0.75	297	2.04	0.06	7.7	2.7	1080
L865177		5.49	16.55	0.16	0.9	0.252	2.90	20.3	15.3	1.20	438	1.94	0.72	6.7	6.1	1070
L865178		4.81	18.05	0.19	1.1	0.169	2.71	22.2	15.7	1.52	621	2.54	1.61	8.5	6.6	1260
L865179		5.24	18.00	0.17	1.1	0.231	2.90	23.4	17.2	1.30	417	3.26	0.96	7.8	4.4	1240
L865180		4.79	17.40	0.22	1.0	0.102	2.74	27.6	15.3	1.26	442	2.09	1.47	7.9	5.9	1180
L865181		3.91	17.10	0.19	1.0	0.150	2.58	17.1	18.1	0.77	288	2.20	0.93	8.5	4.6	1120
L865182		5.47	18.25	0.20	0.9	0.244	2.54	19.9	17.2	1.28	482	2.12	1.42	8.2	6.2	1210
L865183		6.06	18.75	0.17	1.0	0.309	3.01	19.7	12.5	1.19	449	2.92	0.75	8.1	4.5	1170
L865184		4.70	17.95	0.17	1.0	0.480	3.40	18.3	14.1	0.81	384	2.49	0.57	8.5	3.7	1070
L865185		4.32	20.2	0.17	0.9	0.404	3.60	26.5	13.9	0.49	283	1.74	0.31	7.8	2.7	500
L865186		3.83	19.20	0.19	1.0	0.163	2.92	19.2	9.1	0.45	391	1.34	1.79	8.1	1.8	590

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29- JUN- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113603

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L865151		93.1	105.0	<0.002	0.14	7.50	17.4	2	5.8	211	0.41	0.68	13.4	0.349	2.08	3.9
L865152		72.0	133.0	<0.002	0.95	5.51	18.3	3	7.2	259	0.42	1.01	14.7	0.344	2.14	3.6
L865153		64.1	113.5	<0.002	0.13	4.08	17.4	2	4.7	343	0.47	1.76	12.5	0.379	1.91	3.5
L865154		61.8	102.0	<0.002	0.14	4.83	17.7	3	4.3	304	0.39	0.48	9.5	0.372	1.98	3.6
L865155		45.3	146.5	<0.002	0.41	6.42	17.8	2	3.6	209	0.49	0.46	11.3	0.391	3.08	3.4
L865156		1.7	2.3	<0.002	<0.01	0.07	0.2	<1	<0.2	49.6	<0.05	<0.05	0.2	0.005	0.02	0.7
L865157		78.6	195.0	<0.002	0.30	12.55	18.3	1	6.7	203	0.50	1.04	13.1	0.416	3.31	3.8
L865158		97.7	161.0	<0.002	0.39	16.30	19.3	1	4.5	192.0	0.55	0.52	15.1	0.406	3.15	5.0
L865159		45.5	108.0	<0.002	0.23	5.25	17.5	1	4.7	373	0.50	0.43	12.1	0.411	2.02	4.0
L865160		83.0	146.5	<0.002	0.87	27.0	20.0	1	5.5	187.0	0.52	0.32	11.3	0.449	2.88	5.8
L865161		59.2	99.3	<0.002	0.17	12.35	19.7	1	3.3	296	0.52	0.21	12.7	0.435	1.94	9.3
L865162		87.1	89.3	<0.002	0.14	14.35	17.3	1	3.4	206	0.43	0.28	9.5	0.380	1.80	10.5
L865163		1590	145.5	<0.002	7.70	99.0	8.2	2	10.6	62.7	0.36	0.77	8.5	0.168	2.17	5.2
L865164		62.7	127.5	<0.002	0.30	6.28	18.3	1	4.1	392	0.44	0.28	12.8	0.394	1.90	5.9
L865165		112.5	129.5	<0.002	0.64	37.6	16.2	2	5.7	173.0	0.47	0.69	13.0	0.329	2.07	6.4
L865166		45.7	81.0	<0.002	0.24	5.32	18.2	2	3.1	468	0.54	0.20	10.5	0.426	1.67	3.6
L865167		70.1	165.5	<0.002	0.39	22.0	16.9	2	5.7	160.5	0.43	0.33	11.0	0.379	2.79	4.5
L865168		76.5	169.5	<0.002	0.53	7.27	16.9	4	5.6	221	0.39	0.57	11.0	0.327	2.78	4.3
L865169		42.0	127.0	<0.002	0.27	4.52	16.5	2	3.8	314	0.55	0.25	13.0	0.381	2.18	4.8
L865170		63.6	191.0	<0.002	0.57	19.90	16.6	2	9.3	96.6	0.56	0.42	11.1	0.426	3.72	3.6
L865171		58.3	154.0	<0.002	0.39	5.48	17.8	1	6.7	256	0.54	0.22	13.4	0.399	2.63	5.9
L865172		78.0	137.0	<0.002	0.11	4.63	17.8	1	4.3	245	0.53	0.25	14.9	0.441	2.25	6.9
L865173		98.2	135.5	<0.002	0.10	4.75	15.9	1	5.9	195.5	0.60	0.17	14.2	0.374	2.53	7.2
L865174		80.7	96.5	<0.002	0.09	7.34	15.4	1	3.3	199.5	0.63	0.14	9.1	0.410	1.90	6.8
L865175		88.8	147.0	<0.002	0.44	7.89	17.4	1	5.5	148.0	0.53	0.82	8.4	0.419	2.87	4.1
L865176		104.5	171.0	<0.002	0.57	15.10	17.2	2	9.8	47.3	0.46	5.53	9.2	0.382	3.09	5.7
L865177		59.5	95.0	<0.002	0.08	6.34	16.4	2	2.8	263	0.39	0.16	10.5	0.341	1.60	5.7
L865178		24.3	85.2	<0.002	0.32	3.87	17.3	1	2.8	460	0.57	0.10	10.6	0.422	1.67	3.9
L865179		34.3	116.0	<0.002	0.13	8.09	17.7	2	4.5	301	0.54	0.13	15.2	0.396	1.85	4.9
L865180		26.0	108.5	<0.002	0.28	4.77	16.3	2	2.7	408	0.52	0.16	14.0	0.369	1.61	4.2
L865181		31.3	101.5	<0.002	0.04	10.10	16.4	1	2.7	247	0.58	0.14	12.7	0.379	1.48	5.9
L865182		35.4	81.3	<0.002	0.11	6.61	16.9	2	3.1	383	0.49	0.16	10.9	0.400	1.49	4.4
L865183		43.1	139.5	<0.002	0.09	8.93	17.4	2	4.6	178.0	0.60	0.20	15.4	0.377	2.17	6.2
L865184		78.0	143.5	<0.002	0.11	14.60	17.1	2	4.2	150.0	0.57	0.20	14.1	0.369	2.83	6.8
L865185		83.0	182.0	<0.002	0.35	47.6	13.9	1	6.7	119.0	0.52	0.28	10.7	0.344	3.57	3.9
L865186		36.5	134.5	<0.002	0.27	7.38	10.6	1	2.8	323	0.56	0.16	10.8	0.240	2.04	5.1

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CERTIFICATE OF ANALYSIS WH13113603

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
L865151		143	2.6	9.4	152	24.2
L865152		160	3.1	10.4	120	27.7
L865153		150	2.8	14.7	133	22.1
L865154		160	2.5	12.2	130	22.8
L865155		158	3.3	8.6	114	23.9
L865156		3	0.1	0.8	19	<0.5
L865157		166	5.8	11.4	152	26.8
L865158		156	6.1	13.2	219	27.3
L865159		156	3.1	14.4	168	25.6
L865160		165	4.8	7.8	181	30.5
L865161		168	2.5	14.7	231	30.1
L865162		148	3.7	10.0	389	26.5
L865163		57	7.1	9.0	3180	22.7
L865164		156	2.4	16.7	381	26.6
L865165		131	4.1	16.4	403	30.2
L865166		167	2.7	20.4	213	33.7
L865167		168	6.3	11.7	214	33.4
L865168		160	7.6	10.4	165	34.1
L865169		147	3.0	14.4	193	37.4
L865170		155	7.0	8.5	91	36.6
L865171		152	4.2	14.6	219	35.3
L865172		170	3.5	17.4	289	33.5
L865173		138	3.1	13.9	337	53.2
L865174		130	3.2	9.4	217	78.5
L865175		165	4.6	7.2	146	37.9
L865176		149	7.7	10.2	164	37.6
L865177		132	2.8	12.0	146	31.3
L865178		158	2.6	16.6	114	35.3
L865179		151	4.8	11.8	116	37.9
L865180		133	2.2	17.5	103	31.2
L865181		135	2.8	8.8	110	33.6
L865182		151	2.3	12.0	140	29.3
L865183		144	3.5	10.8	164	30.1
L865184		134	3.2	9.6	177	28.4
L865185		109	5.8	9.4	198	25.7
L865186		54	2.1	8.7	107	24.2

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CERTIFICATE OF ANALYSIS WH13113603

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 3-JUL-2013
Account: ROCKHA

CERTIFICATE WH13113604

Project: Klaza - 40

P.O. No.: Batch 2

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 22-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 3- JUL- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113604

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L865187		2.89	0.048	1.20	8.21	28.1	2990	1.48	2.12	0.78	1.10	31.0	14.5	6	13.60	108.0
L865188		3.74	0.036	0.93	7.95	35.7	1790	1.17	1.45	0.50	1.63	43.3	21.9	7	19.55	131.0
L865189		5.39	0.027	0.58	8.51	14.5	1760	0.83	0.98	0.41	0.55	52.1	1.0	5	19.60	92.6
L865190		5.18	0.022	0.52	8.65	21.4	2010	1.11	1.12	0.36	0.27	35.0	1.7	6	14.20	35.6
L865191		4.00	0.047	0.63	8.42	61.1	3550	1.70	1.30	0.75	0.53	51.2	5.9	7	11.95	112.0
L865192		3.44	0.462	1.80	7.55	267	2150	1.59	3.66	0.31	1.29	60.3	4.4	6	14.05	210
L865193		1.97	<0.005	0.02	0.09	<5	40	0.08	0.04	21.5	0.05	1.72	0.6	<1	0.23	3.2
L865194		5.48	0.078	1.06	8.91	82.5	2550	1.53	1.77	0.29	0.83	61.0	3.7	7	18.75	211
L865195		5.38	0.068	0.92	8.83	69.5	2340	1.62	3.79	0.20	1.20	59.4	5.5	8	18.45	129.5
L865196		5.04	0.083	1.05	8.23	49.3	2360	1.63	2.50	0.67	3.20	56.1	47.3	8	12.20	111.0
L865197		5.48	0.159	1.33	8.70	62.8	2570	1.62	2.80	0.28	0.38	55.1	7.0	7	11.65	60.5
L865198		0.25	1.660	39.7	6.00	2540	1270	1.18	35.3	1.66	43.8	36.5	16.4	22	9.81	1175
L865199		4.83	0.047	1.70	8.68	129.5	2340	1.59	2.58	0.24	0.44	60.0	2.9	7	14.15	65.3
L865200		5.60	0.194	3.32	8.15	78.6	1160	1.35	4.66	0.07	0.32	57.7	1.1	7	12.55	20.0
L865201		4.77	0.110	1.97	8.52	123.0	1400	1.58	4.30	0.08	0.34	65.1	3.0	8	12.80	52.9
L865202		5.34	0.158	0.49	8.54	88.7	2250	1.75	1.97	0.13	0.70	58.2	6.1	8	14.40	111.5
L865203		3.83	0.041	0.33	8.62	30.5	2860	1.57	1.00	0.22	0.70	47.1	5.9	8	14.20	112.5
L865204		3.38	0.103	1.15	8.28	97.9	2210	1.56	5.04	0.06	0.41	50.1	2.4	7	15.90	94.4
L865205		3.22	0.035	0.54	8.95	44.2	2310	2.00	2.31	0.08	2.77	63.4	27.5	9	17.45	94.3
L865206		5.98	0.152	2.04	8.10	106.0	2440	1.56	9.22	0.11	0.56	42.7	4.0	7	19.50	129.0
L865207		4.46	0.106	0.74	8.68	81.7	1650	1.53	2.77	0.08	0.55	52.5	4.2	7	20.1	98.4
L865208		4.89	0.707	1.84	8.73	70.3	2250	1.57	8.21	0.17	0.45	51.8	3.2	8	15.75	99.7
L865209		2.90	0.047	0.46	8.90	24.9	2490	1.61	1.31	0.10	0.51	46.3	6.2	7	16.85	101.0
L865210		3.45	0.045	0.58	7.13	37.7	2700	1.85	1.40	0.08	0.69	59.6	6.7	6	15.75	151.5
L865211		4.47	0.026	0.24	8.32	16.3	2250	1.49	0.99	0.14	0.63	54.1	5.8	7	12.40	84.8
L865212		6.26	0.034	0.35	7.97	24.8	2250	1.58	1.23	0.24	0.71	58.2	8.7	8	14.70	96.1
L865213		6.18	0.043	0.54	7.97	46.7	2340	1.55	1.84	0.16	0.57	63.8	7.9	8	25.8	87.9
L865214		4.55	0.030	0.61	8.21	25.8	2620	1.25	1.97	0.08	0.36	45.0	2.2	7	17.35	73.4
L865215		3.38	0.098	0.48	6.01	16.7	2950	1.19	1.48	0.06	0.26	37.0	1.6	6	15.45	44.5
L865216		2.79	0.039	0.60	8.17	19.5	2760	1.44	2.23	0.09	0.44	54.7	2.6	6	17.40	63.1
L865217		2.49	0.027	0.38	8.12	23.1	3640	1.26	2.44	0.07	0.37	49.9	1.4	6	16.80	57.4
L865218		3.16	0.033	0.66	8.90	25.7	1850	1.31	0.89	0.07	0.38	34.6	1.3	5	21.7	49.3
L865219		3.86	0.046	0.60	7.98	117.5	1480	1.46	1.51	0.07	0.45	62.2	1.8	6	24.3	64.8
L865220		3.60	0.086	0.61	7.58	85.8	4240	1.36	1.16	0.06	0.42	53.2	1.6	6	18.80	63.4
L865221		5.29	0.066	0.71	8.45	69.0	2500	1.39	1.43	0.10	0.77	63.1	7.0	14	23.0	85.1
L865222		3.62	0.071	0.78	7.55	67.6	2060	1.48	2.02	0.07	0.41	54.4	1.9	6	20.5	74.0

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 3- JUL- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113604

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L865187		5.94	18.05	0.15	0.8	0.231	2.67	16.1	9.2	0.60	1840	0.99	1.93	6.6	2.0	730
L865188		6.20	17.15	0.17	0.8	0.215	2.57	22.7	11.7	0.55	3670	1.20	1.04	6.7	2.4	840
L865189		4.09	18.30	0.17	0.9	0.085	2.62	27.4	17.6	0.70	407	1.29	0.27	6.9	1.2	530
L865190		2.47	18.30	0.17	1.0	0.079	2.88	17.6	17.0	0.76	328	1.48	0.65	6.9	1.8	280
L865191		4.64	18.15	0.19	0.9	0.106	2.86	27.2	12.7	0.65	361	1.45	1.44	6.4	2.2	700
L865192		8.99	16.35	0.18	0.7	0.202	2.72	33.6	14.1	0.38	360	5.42	0.68	4.3	2.5	910
L865193		0.49	0.26	0.12	<0.1	<0.005	0.03	0.8	1.2	13.15	204	0.11	0.01	0.2	1.8	200
L865194		6.08	18.40	0.17	0.9	0.282	3.33	32.4	18.9	0.31	268	1.66	0.30	7.0	2.4	780
L865195		5.07	18.35	0.19	0.9	0.307	3.54	33.1	19.7	0.31	392	2.20	0.40	6.5	2.4	700
L865196		4.78	18.00	0.16	0.8	0.206	2.83	22.9	14.2	0.45	3140	1.89	1.70	7.0	3.7	790
L865197		3.15	18.50	0.19	0.9	0.360	3.66	31.3	16.8	0.26	203	3.33	0.55	6.4	1.8	610
L865198		8.69	13.65	0.17	0.8	1.525	2.62	17.9	16.9	0.68	2350	16.10	0.07	4.6	14.3	460
L865199		3.59	18.45	0.17	0.9	0.469	3.75	33.3	15.8	0.24	173	2.78	0.48	6.7	1.9	710
L865200		1.50	17.80	0.18	0.9	0.324	3.79	31.9	9.3	0.35	149	1.47	0.06	8.3	0.8	250
L865201		2.73	18.50	0.20	1.0	0.329	3.74	35.5	11.1	0.34	246	1.88	0.08	7.7	1.6	400
L865202		3.73	17.40	0.20	1.0	0.168	2.91	30.1	25.6	0.24	277	2.30	0.22	6.8	2.8	670
L865203		3.78	18.40	0.18	0.9	0.077	2.72	21.5	26.1	0.24	245	0.87	0.73	6.8	2.9	600
L865204		3.43	17.60	0.18	1.3	0.205	3.27	27.5	21.4	0.25	146	2.57	0.06	6.3	1.6	680
L865205		3.22	19.45	0.18	2.4	0.072	3.42	31.4	24.0	0.23	1130	1.37	0.13	8.6	4.0	580
L865206		4.16	18.60	0.15	1.0	0.150	3.14	22.4	24.5	0.22	137	1.98	0.16	7.2	2.3	560
L865207		3.50	17.65	0.18	1.0	0.222	3.29	27.8	23.6	0.25	218	2.22	0.07	6.9	2.2	590
L865208		3.38	20.8	0.20	1.0	0.266	3.53	28.3	16.2	0.40	153	1.69	0.36	6.4	1.8	550
L865209		3.44	20.1	0.12	0.9	0.190	3.28	24.2	25.7	0.34	155	3.36	0.09	6.1	2.3	670
L865210		3.90	16.10	0.15	1.1	0.097	2.93	33.9	16.6	0.29	210	16.50	0.07	4.2	2.5	740
L865211		3.40	18.40	0.16	1.4	0.055	3.14	30.0	17.1	0.27	178	2.09	0.28	7.4	2.7	570
L865212		3.41	18.10	0.17	1.3	0.092	2.84	31.5	18.9	0.32	284	3.05	0.56	7.4	2.9	560
L865213		2.98	18.05	0.18	1.2	0.150	3.02	36.0	16.4	0.30	291	4.50	0.17	6.1	2.3	520
L865214		2.77	18.00	0.14	1.1	0.145	2.94	26.0	24.9	0.18	101	2.69	0.10	6.6	1.6	540
L865215		1.91	13.35	0.17	0.9	0.129	2.59	22.3	18.6	0.23	85	34.8	0.06	3.9	1.5	350
L865216		3.13	17.80	0.20	1.2	0.178	3.27	31.4	22.3	0.30	166	7.54	0.10	6.1	1.6	550
L865217		3.53	16.90	0.17	1.0	0.048	2.24	27.9	39.9	0.22	56	3.20	0.04	5.4	1.4	590
L865218		4.22	19.15	0.16	1.4	0.050	2.95	19.7	33.5	0.25	58	8.47	0.06	5.1	0.8	530
L865219		3.61	17.80	0.19	1.1	0.092	3.02	35.6	12.0	0.25	97	2.30	0.05	6.6	1.5	650
L865220		3.51	17.55	0.19	1.2	0.123	3.17	29.8	12.1	0.28	135	2.43	0.07	6.8	1.4	570
L865221		3.88	19.05	0.20	1.2	0.104	3.41	34.4	12.5	0.26	678	3.83	0.11	6.6	2.1	640
L865222		3.04	17.60	0.17	1.2	0.119	2.96	30.5	15.6	0.27	90	3.73	0.08	6.3	1.9	490

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Finalized Date: 3- JUL- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113604

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L865187		31.2	113.5	0.004	0.28	5.36	10.8	1	3.1	339	0.44	0.09	10.3	0.231	1.60	5.7
L865188		22.9	110.0	0.003	0.44	9.65	12.0	1	2.7	221	0.47	0.12	10.6	0.239	1.75	3.6
L865189		22.9	113.5	0.003	0.61	5.33	12.4	1	3.0	190.5	0.51	0.14	12.5	0.255	1.50	3.2
L865190		19.6	117.0	0.002	0.16	4.10	10.6	1	2.8	141.0	0.53	0.08	7.8	0.249	1.60	2.8
L865191		28.1	117.5	0.002	0.41	5.86	11.6	1	3.2	340	0.48	0.08	14.0	0.242	1.68	5.0
L865192		73.5	121.5	0.004	0.53	13.70	11.7	2	3.9	235	0.31	0.77	11.9	0.178	1.63	9.7
L865193		2.0	1.7	0.003	<0.01	0.11	0.2	<1	<0.2	51.4	<0.05	<0.05	0.2	<0.005	0.02	0.8
L865194		128.5	150.5	0.002	0.36	16.20	11.4	1	2.9	129.5	0.53	0.13	13.8	0.247	2.59	6.2
L865195		90.4	171.5	0.002	0.29	15.85	11.3	1	4.2	118.5	0.49	0.34	13.9	0.236	2.99	4.2
L865196		159.0	125.0	0.002	0.20	15.10	10.9	1	2.5	289	0.53	0.16	14.4	0.240	2.19	4.0
L865197		706	169.5	0.003	0.30	23.7	9.7	1	4.1	147.0	0.51	0.20	13.6	0.220	3.08	3.4
L865198		1700	145.5	0.006	7.86	103.0	8.2	1	10.3	63.4	0.39	0.66	9.0	0.171	2.12	5.5
L865199		948	173.0	0.003	0.30	31.0	10.2	1	3.9	136.0	0.52	0.20	14.0	0.228	3.20	4.2
L865200		961	196.0	0.003	0.27	41.5	9.4	1	7.0	32.6	0.62	0.37	9.0	0.282	4.21	1.9
L865201		271	189.0	0.002	0.19	53.5	10.7	2	9.4	54.8	0.62	0.69	11.7	0.262	3.92	3.1
L865202		42.6	150.0	0.003	0.08	17.75	12.0	2	3.1	71.9	0.55	0.26	14.7	0.250	2.60	5.7
L865203		29.5	124.5	0.003	0.07	11.05	12.4	1	2.4	145.0	0.54	0.10	13.6	0.251	2.07	4.6
L865204		91.5	166.0	0.002	0.12	32.8	9.8	1	4.8	64.9	0.49	0.20	12.3	0.224	2.98	3.9
L865205		47.1	169.0	0.003	0.06	20.5	10.5	1	2.4	75.2	0.70	0.08	13.2	0.276	3.09	6.4
L865206		204	144.5	0.003	0.15	28.1	10.2	2	5.2	75.9	0.58	0.24	9.9	0.250	2.42	4.0
L865207		145.5	161.0	0.003	0.06	18.25	11.1	1	4.2	47.6	0.54	0.17	12.5	0.243	2.91	4.4
L865208		107.5	173.0	0.002	0.11	32.2	12.1	1	11.7	86.9	0.51	0.18	11.8	0.246	2.83	3.6
L865209		32.5	158.0	<0.002	0.09	12.10	13.1	2	3.1	63.5	0.43	0.11	13.6	0.231	2.56	3.5
L865210		52.0	156.0	0.002	0.14	17.15	10.5	2	2.7	61.0	0.38	0.16	18.0	0.152	2.78	6.0
L865211		28.9	137.0	0.002	0.05	14.20	12.2	1	3.0	84.1	0.67	0.10	19.6	0.225	2.02	4.8
L865212		35.4	138.0	<0.002	0.06	11.45	12.3	1	2.9	106.5	0.61	0.12	18.6	0.226	2.01	5.3
L865213		69.9	152.0	<0.002	0.10	27.7	11.3	2	4.1	62.2	0.53	0.29	18.5	0.193	2.81	4.9
L865214		35.3	130.5	<0.002	0.17	22.5	9.7	1	3.1	80.2	0.55	0.15	16.3	0.212	1.92	3.7
L865215		48.0	117.0	0.002	0.15	11.00	7.7	1	2.4	60.6	0.34	0.28	11.3	0.130	1.93	2.5
L865216		90.4	151.5	<0.002	0.16	9.77	10.8	2	3.9	71.5	0.57	0.28	16.1	0.190	2.38	3.1
L865217		31.8	112.5	<0.002	0.16	9.24	9.3	2	2.8	83.6	0.45	0.83	15.7	0.183	1.92	2.6
L865218		24.6	145.0	<0.002	0.21	17.50	7.6	3	5.3	73.6	0.44	0.17	14.4	0.164	2.55	2.4
L865219		142.0	149.5	<0.002	0.11	27.5	10.3	2	3.2	58.0	0.57	0.32	22.3	0.212	2.91	3.5
L865220		54.9	177.0	<0.002	0.16	30.2	9.4	2	3.3	47.0	0.60	0.34	19.0	0.193	3.48	3.5
L865221		59.2	167.5	<0.002	0.13	36.3	10.8	2	3.0	46.9	0.56	0.69	19.9	0.224	3.52	3.9
L865222		75.0	159.0	<0.002	0.13	27.2	10.0	2	5.7	47.5	0.54	0.29	15.9	0.191	2.90	3.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 3- JUL- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113604

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
L865187		60	1.9	6.5	189	20.4
L865188		63	2.4	5.7	226	19.0
L865189		66	2.1	6.3	128	23.7
L865190		63	2.1	5.9	116	24.7
L865191		71	2.1	9.4	227	24.2
L865192		63	2.1	10.1	396	20.1
L865193		3	0.1	0.8	18	<0.5
L865194		70	2.6	11.1	383	23.0
L865195		68	3.8	12.2	299	23.7
L865196		66	2.2	11.7	275	24.0
L865197		63	3.6	9.4	243	24.2
L865198		58	7.2	9.7	3360	22.4
L865199		63	3.2	11.6	437	23.5
L865200		62	6.7	9.1	66	24.6
L865201		67	6.2	11.1	284	26.0
L865202		73	4.2	16.0	232	26.7
L865203		73	2.4	16.2	262	25.0
L865204		66	5.0	11.3	173	39.4
L865205		75	9.7	18.2	242	85.0
L865206		71	3.8	13.4	293	28.4
L865207		68	5.6	14.2	311	27.4
L865208		74	6.8	13.9	184	24.7
L865209		76	3.7	15.0	182	25.8
L865210		62	4.1	17.9	282	29.6
L865211		66	3.8	21.5	190	37.8
L865212		66	3.3	21.3	209	36.0
L865213		63	3.6	17.4	183	32.7
L865214		65	2.9	13.1	144	31.0
L865215		58	3.9	8.4	90	23.7
L865216		66	4.1	11.6	135	38.5
L865217		62	4.5	8.8	97	29.5
L865218		52	7.1	7.7	89	35.1
L865219		63	3.9	11.5	155	30.9
L865220		59	4.0	12.2	159	31.8
L865221		70	3.8	15.6	182	33.5
L865222		59	3.7	12.1	151	31.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 3- JUL- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113604

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2013
Account: ROCKHA

CERTIFICATE WH13113605

Project: Klaza - 40

P.O. No.: Batch 3

This report is for 28 Rock samples submitted to our lab in Whitehorse, YT, Canada on 22-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

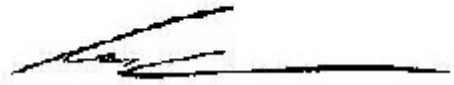
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4- JUL- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113605

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L865223		4.02	0.055	0.53	8.04	67.6	1730	1.65	1.97	0.11	0.47	52.7	3.7	8	22.2	133.0
L865224		3.86	0.033	0.65	8.18	44.6	1480	1.52	1.86	0.11	0.40	56.3	3.8	7	20.8	110.5
L865225		3.42	0.045	0.58	8.39	34.7	2480	1.30	2.06	0.13	0.27	52.1	1.9	8	18.80	92.7
L865226		4.12	0.042	0.63	8.60	22.2	2440	1.24	2.02	0.14	0.26	43.2	1.4	7	15.95	73.0
L865227		4.07	0.085	0.66	8.28	37.4	2540	1.49	1.99	0.24	0.25	52.4	1.9	7	13.55	125.5
L865228		3.30	0.047	0.71	7.95	38.0	2600	1.29	1.76	0.25	0.23	60.8	2.5	6	14.20	145.0
L865229		3.80	0.120	1.10	7.51	53.8	1690	1.03	4.16	0.07	0.19	64.5	0.5	6	16.75	29.9
L865230		4.16	0.037	2.04	7.73	36.2	930	1.08	7.18	0.06	0.15	64.5	0.4	7	11.10	14.3
L865231		0.26	0.870	11.20	6.34	1530	1140	1.47	13.40	1.81	31.3	44.3	17.3	17	13.15	280
L865232		5.35	0.265	0.81	7.79	50.9	2870	1.14	2.12	0.10	0.23	64.9	1.6	6	17.70	99.2
L865233		4.36	0.037	1.60	7.63	62.8	1200	1.19	4.86	0.06	0.15	70.0	0.3	6	25.5	22.3
L865234		5.31	0.075	1.40	7.81	188.0	1600	1.24	2.48	0.10	0.20	63.3	1.6	9	36.2	58.7
L865235		5.15	0.247	6.63	7.41	152.0	1090	1.52	21.0	0.08	0.22	56.4	0.4	6	10.35	42.7
L865236		4.52	0.042	3.01	8.03	134.0	1020	1.39	28.7	0.14	0.20	60.5	0.6	7	16.60	27.3
L865237		5.10	0.038	1.66	8.14	103.5	1250	1.23	5.25	0.17	0.18	57.8	0.7	6	21.4	38.1
L865238		5.54	0.030	0.96	7.99	42.3	1280	1.08	2.84	0.13	0.12	58.1	2.0	6	27.2	42.0
L865239		3.64	0.088	1.29	8.51	65.5	1650	1.42	2.58	0.13	0.24	49.5	2.6	8	24.0	194.5
L865240		7.96	0.245	1.01	7.60	107.0	1280	0.96	1.86	0.14	0.15	50.5	0.9	6	13.40	34.5
L865241		4.53	0.061	1.57	9.16	61.1	1680	1.49	2.49	0.09	0.27	39.8	4.2	7	21.6	282
L865242		3.93	0.231	1.34	7.96	59.1	1600	1.12	3.59	0.17	0.19	57.8	0.5	6	18.55	59.3
L865243		5.31	0.132	1.30	8.16	37.4	2340	1.12	2.46	0.24	0.37	43.8	1.5	7	22.1	177.5
L865244		2.28	<0.005	0.02	0.09	6	30	0.07	0.09	21.2	0.07	1.47	0.8	<1	0.24	2.3
L865245		4.83	0.118	1.30	7.27	117.0	1400	1.07	2.29	0.21	0.37	63.9	1.2	6	23.6	90.7
L865246		3.42	0.549	4.21	7.24	165.5	1090	1.14	8.71	0.13	0.49	65.4	0.5	7	11.95	60.8
L865247		5.69	0.201	4.22	7.34	143.0	1620	0.99	43.9	0.18	0.36	69.5	1.8	7	24.7	49.7
L865248		6.21	1.095	13.50	6.68	223	2800	1.01	305	0.17	0.31	79.8	0.8	7	29.8	45.5
L865249		3.64	0.075	2.88	7.37	94.3	1300	1.21	13.70	0.11	0.75	64.8	2.9	7	16.15	68.3
L865250		3.31	0.066	1.30	7.70	105.5	1050	1.43	2.88	0.08	1.16	37.5	5.9	7	19.15	130.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4- JUL- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113605

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L865223		4.97	17.35	0.16	1.2	0.136	3.12	29.2	17.0	0.29	119	2.56	0.15	6.0	2.5	680
L865224		3.77	19.00	0.16	1.2	0.139	3.08	32.1	23.6	0.30	111	1.93	0.16	5.9	2.1	550
L865225		4.12	18.15	0.16	1.0	0.135	3.56	29.8	15.5	0.34	102	2.13	0.37	5.9	1.6	680
L865226		3.03	17.85	0.15	1.2	0.087	3.55	23.8	14.3	0.32	87	1.95	0.72	6.3	1.4	500
L865227		3.34	19.25	0.19	1.2	0.094	3.39	29.5	14.3	0.36	96	1.75	1.31	6.3	1.7	590
L865228		3.41	17.05	0.19	1.1	0.120	3.64	34.1	13.1	0.26	118	1.61	0.89	5.7	1.6	630
L865229		3.20	17.50	0.20	1.2	0.135	3.43	36.7	14.9	0.28	78	1.61	0.07	5.8	1.1	350
L865230		2.15	17.15	0.21	1.0	0.076	3.55	37.0	7.5	0.30	89	1.74	0.06	5.9	0.9	180
L865231		6.14	15.00	0.15	1.1	0.761	2.73	23.4	18.7	0.74	1800	8.64	0.12	6.0	11.9	510
L865232		3.55	18.20	0.19	1.0	0.155	3.35	36.2	19.7	0.26	82	1.79	0.16	5.6	1.4	590
L865233		3.37	18.20	0.20	0.9	0.341	3.48	41.1	11.0	0.38	77	4.72	0.05	5.1	0.7	310
L865234		3.62	18.90	0.19	0.9	0.422	3.17	33.8	14.2	0.30	105	2.78	0.05	6.5	1.4	940
L865235		2.37	18.75	0.20	1.0	0.391	3.63	32.6	9.1	0.38	115	2.62	0.06	5.5	0.8	340
L865236		2.74	19.75	0.23	0.9	0.259	3.67	35.4	9.5	0.36	107	4.55	0.06	6.6	1.0	300
L865237		3.25	18.95	0.22	0.9	0.179	3.51	32.9	7.4	0.34	91	3.18	0.07	6.5	0.8	350
L865238		3.63	18.10	0.21	0.8	0.156	3.02	30.6	16.3	0.25	80	1.69	0.06	5.3	1.0	430
L865239		4.21	18.05	0.20	0.9	0.390	3.47	26.6	11.5	0.29	154	2.20	0.06	5.3	2.2	570
L865240		4.25	16.55	0.16	0.8	0.376	3.63	27.8	9.7	0.28	121	2.37	0.06	5.0	1.2	360
L865241		4.35	19.20	0.17	0.9	0.284	3.59	20.8	44.2	0.25	214	2.56	0.07	5.8	2.8	660
L865242		4.24	19.45	0.21	0.9	0.349	3.67	33.1	10.8	0.34	87	3.57	0.07	4.6	1.0	420
L865243		3.33	18.65	0.21	1.0	0.168	3.20	23.6	18.9	0.32	155	1.95	0.47	6.4	1.5	590
L865244		0.50	0.45	0.36	<0.1	0.010	0.04	0.7	1.0	12.65	203	0.22	<0.01	0.1	1.3	180
L865245		5.22	16.45	0.27	1.2	0.494	3.34	35.3	11.0	0.33	168	1.63	0.07	5.8	1.2	460
L865246		5.98	18.30	0.23	1.1	0.373	3.63	38.0	6.7	0.35	150	1.52	0.05	5.7	0.9	730
L865247		5.08	19.75	0.24	1.1	0.610	3.23	39.6	9.3	0.35	494	2.98	0.04	6.6	0.9	450
L865248		3.67	18.20	0.70	1.0	0.786	2.86	45.6	14.1	0.31	196	7.13	0.04	5.4	1.0	470
L865249		5.51	18.25	0.23	1.1	0.324	3.40	36.2	7.7	0.33	663	8.01	0.04	5.3	1.2	390
L865250		6.48	17.90	0.22	1.0	0.392	3.35	19.6	12.7	0.26	889	6.88	0.05	4.4	2.0	420

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
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Finalized Date: 4- JUL- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113605

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L865223		54.4	155.0	<0.002	0.15	23.6	10.2	2	4.7	48.8	0.55	0.23	19.2	0.194	2.66	3.5
L865224		62.1	153.0	<0.002	0.16	31.6	10.6	2	4.7	60.4	0.52	0.22	17.7	0.201	2.47	3.0
L865225		47.2	156.0	<0.002	0.18	15.80	10.2	2	4.7	88.2	0.50	0.25	15.4	0.212	2.40	2.7
L865226		58.9	149.5	<0.002	0.18	9.22	9.8	2	3.4	115.5	0.53	0.22	11.2	0.218	2.17	2.3
L865227		43.1	156.5	<0.002	0.23	10.50	10.9	2	3.6	191.5	0.52	0.21	18.0	0.202	2.30	2.9
L865228		44.5	155.5	<0.002	0.49	10.90	12.3	2	3.0	154.0	0.49	0.22	18.6	0.202	2.44	3.0
L865229		157.0	164.0	<0.002	0.94	17.00	9.8	2	5.7	49.0	0.50	0.76	17.4	0.204	3.27	1.8
L865230		175.0	167.0	<0.002	0.61	11.60	9.3	4	11.8	27.0	0.47	0.39	9.2	0.208	3.50	1.7
L865231		1255	165.0	<0.002	4.49	59.7	8.9	2	7.6	90.7	0.49	1.41	12.0	0.202	2.49	5.3
L865232		62.0	166.5	<0.002	0.74	25.7	10.8	2	3.6	91.8	0.48	0.41	21.7	0.186	3.16	3.0
L865233		128.5	185.0	<0.002	1.00	26.1	9.2	2	7.8	39.2	0.41	0.48	11.9	0.179	3.66	1.7
L865234		99.3	174.5	<0.002	0.87	27.6	12.4	2	4.7	56.9	0.52	0.47	25.5	0.211	3.51	3.8
L865235		769	224	<0.002	0.54	73.3	8.8	4	11.2	35.1	0.48	2.39	14.7	0.175	3.58	1.7
L865236		193.5	194.5	<0.002	0.68	35.8	8.1	3	8.6	30.4	0.54	4.86	13.8	0.210	3.82	1.8
L865237		213	177.5	<0.002	0.85	30.5	8.9	2	5.0	43.1	0.51	0.94	14.1	0.211	3.96	1.9
L865238		55.7	149.5	<0.002	0.97	18.75	9.7	2	2.4	51.3	0.41	0.17	19.3	0.177	3.21	2.1
L865239		84.6	184.0	<0.002	0.48	13.20	10.5	2	4.2	38.7	0.44	0.22	16.4	0.182	3.77	4.1
L865240		99.8	195.5	<0.002	1.10	11.15	8.9	1	7.6	36.4	0.40	0.20	12.9	0.176	3.20	1.6
L865241		66.5	181.0	0.003	0.20	13.95	10.4	2	3.8	34.6	0.47	0.17	13.1	0.205	3.09	3.8
L865242		76.6	233	0.003	1.17	17.35	10.0	1	10.9	69.6	0.37	0.21	13.2	0.173	3.18	1.5
L865243		68.2	157.0	0.002	0.56	12.20	12.7	2	3.4	121.5	0.50	0.20	14.8	0.229	2.39	2.9
L865244		1.9	2.2	0.002	<0.01	0.16	0.2	<1	0.2	48.8	<0.05	<0.05	0.2	<0.005	0.04	0.6
L865245		231	195.0	0.003	1.33	11.20	9.4	1	4.7	61.0	0.50	0.23	17.2	0.197	3.40	2.5
L865246		572	204	0.003	0.81	20.9	9.4	3	17.4	54.0	0.48	0.53	10.6	0.195	3.07	1.9
L865247		396	192.5	0.002	0.87	41.4	9.6	5	13.7	64.6	0.54	3.15	14.6	0.211	3.44	2.0
L865248		1040	179.5	0.003	0.70	103.5	8.9	18	31.8	75.0	0.47	20.9	11.3	0.188	2.70	2.3
L865249		381	200	0.003	0.43	27.5	9.3	3	12.8	41.1	0.50	2.48	11.1	0.167	3.32	2.5
L865250		92.2	203	0.002	0.13	34.9	8.8	1	4.2	29.3	0.39	0.78	10.5	0.152	3.39	3.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4- JUL- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113605

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
L865223		63	4.2	13.0	220	33.7
L865224		67	4.0	12.8	234	31.4
L865225		72	4.3	10.9	133	28.9
L865226		70	3.1	10.0	135	32.3
L865227		66	3.1	10.4	106	32.7
L865228		64	3.3	10.0	115	30.5
L865229		61	5.3	8.4	38	29.8
L865230		62	9.9	7.5	24	27.1
L865231		62	5.9	11.4	2370	28.4
L865232		62	2.4	11.0	79	26.7
L865233		59	5.0	7.9	31	24.4
L865234		60	3.6	8.8	138	24.5
L865235		54	7.6	6.6	39	23.1
L865236		54	6.7	9.2	59	23.5
L865237		55	4.7	7.9	79	22.5
L865238		55	3.1	6.9	112	20.4
L865239		56	4.1	7.4	161	22.7
L865240		48	5.7	5.7	89	20.8
L865241		58	3.2	9.2	266	24.8
L865242		54	5.3	6.9	44	24.0
L865243		67	3.0	8.7	109	26.8
L865244		2	0.1	0.8	18	<0.5
L865245		59	3.9	8.5	151	31.3
L865246		65	10.1	6.2	82	32.8
L865247		63	6.1	7.5	82	32.0
L865248		59	8.5	8.3	88	27.6
L865249		57	8.2	8.4	133	32.6
L865250		59	4.0	8.7	274	27.3

***** See Appendix Page for comments regarding this certificate *****

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 4- JUL- 2013
Account: ROCKHA

Project: Klaza - 40

CERTIFICATE OF ANALYSIS WH13113605

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2013
Account: ROCKHA

CERTIFICATE WH13118117

Project: KLAZA - 40

P.O. No.: Batch 4

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

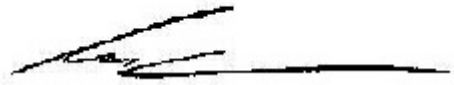
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118117

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L865251		2.83	0.322	1.02	7.65	93.4	2040	1.62	1.62	0.13	1.25	48.6	4.5	7	31.1	115.5
L865252		3.14	0.101	0.87	8.32	98.4	1830	1.53	1.07	0.12	1.28	54.5	12.0	8	21.9	121.5
L865253		3.27	0.068	1.63	8.30	75.3	1080	1.54	2.09	0.14	0.37	52.5	3.6	7	19.25	135.5
L865254		3.95	0.069	1.61	7.61	80.7	850	1.06	2.76	0.11	0.36	70.2	0.6	17	25.4	43.6
L865255		4.52	0.283	5.61	6.79	37.3	860	0.99	16.00	0.04	0.11	58.5	0.3	13	8.18	11.2
L865256		4.87	0.249	2.40	6.70	69.9	470	0.82	4.77	0.20	0.27	65.1	1.8	44	25.1	56.4
L865257		5.44	0.232	2.96	6.88	103.5	760	1.00	7.00	0.05	0.35	71.4	0.4	13	24.0	24.3
L865258		6.61	0.103	2.31	7.07	124.5	1110	0.94	5.02	0.06	0.39	63.1	0.6	8	19.00	45.8
L865259		5.01	0.053	0.69	8.22	116.5	1370	1.15	1.62	0.05	0.17	56.1	1.9	8	22.6	67.0
L865260		6.04	0.187	4.80	6.54	189.0	1110	0.81	19.30	0.04	0.22	60.4	0.5	6	25.9	49.2
L865261		2.38	<0.005	0.03	0.10	<5	40	0.06	0.09	20.8	0.07	1.23	0.7	1	1.17	2.3
L865262		3.38	0.084	1.99	7.79	144.0	1670	1.25	4.57	0.13	0.52	55.9	2.6	7	13.45	205
L865263		2.41	0.050	0.95	7.39	62.3	2130	1.69	1.89	0.48	0.70	38.8	4.2	7	10.50	204
L865264		3.53	0.068	1.06	7.13	57.8	2330	1.64	1.66	0.53	0.70	48.8	2.9	7	11.15	223
L865265		5.29	0.172	1.85	7.23	89.4	1790	1.21	5.38	0.18	0.43	77.6	1.1	7	19.35	127.0
L865266		0.26	1.760	39.6	5.55	2410	660	1.14	39.7	1.62	45.2	36.3	16.9	21	9.26	1145
L865267		6.17	0.055	2.31	8.25	79.7	2070	1.42	13.35	0.17	0.44	65.1	3.8	8	20.1	167.0
L865268		4.12	0.091	1.12	7.86	57.4	2100	1.34	2.03	0.13	0.41	76.0	4.1	6	22.4	157.0
L865269		3.57	0.220	1.77	7.51	65.9	1550	1.28	10.60	0.06	0.30	75.3	3.0	8	18.25	73.3
L865270		4.59	0.228	1.75	7.29	82.0	1260	1.33	6.24	0.34	0.34	69.3	3.3	11	13.60	104.0
L865271		3.87	0.224	1.21	7.22	72.9	1310	1.19	2.98	0.45	0.35	55.9	3.8	13	10.75	81.4
L865272		4.21	0.089	0.95	8.18	57.0	2260	1.21	1.57	0.25	0.30	33.4	3.6	7	11.80	110.5
L865273		6.31	0.098	1.07	7.24	57.1	1810	1.37	1.30	0.25	0.24	33.2	2.3	7	10.30	115.5
L865274		4.43	0.128	1.16	8.23	117.5	680	1.37	1.91	0.06	0.30	51.2	2.6	7	19.50	138.5
L865275		3.62	0.154	1.40	8.20	96.6	2810	1.56	2.32	0.16	0.29	46.2	3.5	8	14.50	156.0
L865276		4.92	0.081	0.76	7.17	30.8	2730	1.50	1.03	0.44	0.20	25.6	1.9	9	8.54	89.1
L865277		3.39	0.277	2.38	7.43	62.3	2100	1.66	1.83	0.20	0.21	31.6	1.6	9	14.15	175.5
L865278		3.03	0.084	1.73	8.17	41.7	1490	1.43	2.46	0.17	0.28	50.2	1.6	8	16.00	119.5
L865279		4.04	0.069	1.32	7.87	30.8	1750	1.30	1.54	0.17	0.19	45.8	1.5	8	15.70	113.0
L865280		5.13	0.045	0.91	7.81	24.5	2280	1.44	1.60	0.18	0.24	53.4	0.8	7	14.15	74.6
L865281		3.79	0.055	0.90	8.32	24.8	980	1.42	1.34	0.12	0.18	48.7	1.1	9	16.05	56.1
L865282		7.88	0.052	0.81	8.03	22.8	2320	1.46	1.32	0.26	0.20	45.5	1.7	8	11.90	87.6
L865283		4.83	0.052	0.99	8.02	25.0	2130	1.41	1.48	0.16	0.25	54.1	1.3	8	13.45	85.8
L865284		4.26	0.080	0.76	8.23	23.6	1820	1.50	0.91	0.17	0.22	48.2	2.0	8	11.65	93.4
L865285		4.08	0.125	1.14	8.09	49.8	1670	1.60	1.00	0.17	0.26	60.7	1.7	8	16.05	133.0
L865286		4.52	0.500	2.36	7.71	51.1	1490	1.34	2.76	0.12	0.24	54.5	1.1	7	13.40	108.5

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 14- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118117

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L865251		5.67	16.80	0.10	1.1	0.271	3.13	28.4	19.6	0.25	604	3.09	0.31	6.1	1.9	640
L865252		5.75	18.00	0.12	1.2	0.099	3.23	30.3	23.3	0.24	945	3.68	0.31	6.9	2.9	710
L865253		5.07	19.20	0.12	1.1	0.492	2.95	26.7	12.4	0.31	211	8.96	0.81	6.0	2.0	600
L865254		4.16	19.00	0.12	1.6	0.309	3.47	38.9	8.9	0.31	85	1.34	0.05	5.5	0.7	390
L865255		3.05	17.95	0.12	1.3	0.350	3.45	33.8	7.2	0.27	87	1.80	0.04	6.0	1.0	100
L865256		6.80	20.7	0.15	2.6	0.355	2.75	30.0	17.1	0.38	194	2.50	0.30	5.2	1.2	520
L865257		3.64	19.05	0.13	1.3	0.335	3.37	37.6	7.4	0.33	96	1.67	0.06	4.7	0.9	340
L865258		3.80	17.80	0.12	1.1	0.354	3.47	34.6	9.6	0.30	103	1.02	0.04	6.6	0.7	540
L865259		3.26	17.95	0.09	1.3	0.179	3.06	30.9	20.7	0.24	119	3.31	0.04	7.2	1.8	530
L865260		3.62	15.30	0.18	1.0	0.237	2.88	33.0	15.4	0.22	93	3.50	0.04	6.6	1.1	480
L865261		0.48	0.32	0.09	<0.1	<0.005	0.06	0.6	1.9	13.10	208	0.18	0.01	0.4	1.7	160
L865262		5.04	16.75	0.13	1.2	0.240	2.51	31.5	27.3	0.20	104	3.43	0.28	5.6	2.6	850
L865263		6.28	15.50	0.11	1.1	0.126	2.83	20.7	17.2	0.48	158	4.36	1.69	5.3	3.1	780
L865264		6.11	15.75	0.12	1.1	0.118	2.89	26.5	10.4	0.43	133	4.44	1.48	5.5	2.8	710
L865265		4.55	17.85	0.14	1.1	0.352	3.45	42.7	15.3	0.32	109	2.55	0.40	5.9	1.5	540
L865266		8.56	13.75	0.09	0.8	1.405	2.51	19.4	15.8	0.65	2320	15.40	0.06	4.4	14.2	430
L865267		4.00	17.00	0.13	1.1	0.208	3.09	36.2	24.7	0.27	109	3.59	0.33	6.6	3.6	620
L865268		4.45	16.90	0.13	1.1	0.204	3.13	44.4	16.2	0.33	111	2.19	0.54	5.4	2.8	580
L865269		3.24	17.35	0.13	1.2	0.398	3.39	46.6	13.8	0.28	148	2.93	0.08	6.5	1.9	420
L865270		3.30	16.85	0.11	1.2	0.245	2.76	38.6	18.7	0.31	171	2.92	0.48	6.8	2.8	520
L865271		3.16	16.00	0.11	1.2	0.180	2.70	31.0	18.6	0.34	219	3.34	0.66	6.7	3.4	520
L865272		3.71	17.45	0.09	1.3	0.128	3.06	19.7	16.7	0.32	144	2.93	0.80	7.0	1.9	650
L865273		4.10	15.75	0.09	1.0	0.133	2.53	18.8	13.1	0.37	100	2.42	1.53	5.1	2.2	640
L865274		3.43	19.00	0.12	1.0	0.156	3.20	28.9	20.1	0.27	96	2.46	0.06	6.1	2.7	560
L865275		4.17	17.40	0.13	1.1	0.154	3.19	24.9	20.2	0.32	105	3.95	0.51	5.7	2.8	690
L865276		3.26	16.10	0.11	1.0	0.076	3.19	12.3	12.6	0.49	122	3.18	1.59	5.8	2.2	580
L865277		3.96	16.70	0.11	1.0	0.218	3.26	17.1	14.8	0.45	99	6.16	1.20	4.8	2.5	610
L865278		4.01	17.55	0.12	1.0	0.182	3.50	28.5	12.6	0.57	110	3.28	0.89	5.1	2.0	660
L865279		3.82	16.95	0.13	1.0	0.186	3.40	24.9	12.3	0.59	100	2.73	0.91	5.1	2.5	610
L865280		3.18	16.75	0.13	1.0	0.192	3.58	30.2	10.6	0.51	108	1.53	1.00	5.4	1.5	410
L865281		2.39	17.65	0.11	1.1	0.181	3.32	27.9	14.0	0.35	76	4.24	0.43	5.6	1.8	290
L865282		3.42	17.15	0.14	1.0	0.165	3.26	26.0	11.2	0.52	120	3.14	1.26	5.4	1.8	490
L865283		3.54	16.90	0.12	1.1	0.155	3.38	30.9	12.4	0.51	113	3.17	1.06	5.2	1.9	510
L865284		3.21	17.85	0.12	1.1	0.101	3.06	27.2	12.7	0.57	133	2.40	1.44	5.6	1.7	550
L865285		4.42	16.95	0.13	1.2	0.201	2.83	35.5	14.1	0.56	122	5.46	1.52	5.5	2.1	640
L865286		3.86	17.35	0.14	1.1	0.505	3.12	32.2	11.5	0.49	113	9.47	1.11	5.5	1.6	520

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118117

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L865251		87.7	160.5	<0.002	0.22	22.1	8.6	1	4.3	83.1	0.50	0.16	14.1	0.210	2.55	5.3
L865252		68.9	145.5	<0.002	0.20	21.7	9.7	2	3.0	78.5	0.58	0.14	15.7	0.228	2.30	8.6
L865253		80.7	174.5	<0.002	0.25	9.98	9.8	4	6.3	73.5	0.48	0.18	15.0	0.200	3.09	3.9
L865254		131.5	183.5	<0.002	1.08	14.05	11.6	3	7.8	41.6	0.47	0.37	15.5	0.244	3.98	2.4
L865255		178.5	174.0	<0.002	0.81	30.1	9.9	6	18.4	19.9	0.49	1.42	6.8	0.230	3.09	1.5
L865256		119.0	144.0	<0.002	2.12	23.1	14.1	4	11.4	155.0	0.34	1.98	8.4	0.475	3.18	3.3
L865257		208	205	<0.002	1.10	25.3	10.0	3	11.9	67.3	0.40	0.96	17.5	0.207	3.62	1.9
L865258		310	163.5	<0.002	1.12	22.5	10.5	2	9.0	99.6	0.55	0.46	19.6	0.237	3.50	2.6
L865259		32.6	156.0	<0.002	0.16	25.4	8.7	2	3.6	70.1	0.65	0.30	15.2	0.226	3.18	3.4
L865260		997	127.0	<0.002	0.81	55.1	7.5	4	12.0	232	0.57	3.62	15.6	0.195	2.75	1.7
L865261		3.5	4.5	<0.002	0.01	0.18	0.2	<1	0.2	52.2	<0.05	<0.05	<0.2	<0.005	0.03	0.6
L865262		116.5	134.0	<0.002	0.52	56.5	10.8	2	3.1	173.5	0.45	0.37	16.4	0.196	2.19	6.1
L865263		74.3	121.0	<0.002	0.25	12.95	10.7	1	2.6	247	0.43	0.31	19.8	0.187	1.50	6.6
L865264		57.0	124.5	<0.002	0.39	14.25	10.8	2	2.2	230	0.45	0.23	19.0	0.198	1.57	4.4
L865265		74.8	186.0	<0.002	0.97	10.50	10.8	1	6.9	101.0	0.46	0.25	18.7	0.208	2.64	3.0
L865266		1620	148.5	0.002	7.58	98.5	8.0	1	10.0	61.7	0.35	0.72	8.7	0.163	2.08	5.2
L865267		67.5	141.0	<0.002	0.38	25.4	12.1	1	3.3	126.5	0.51	0.27	19.5	0.230	2.16	4.9
L865268		55.7	159.0	<0.002	0.52	14.20	10.9	2	2.7	133.5	0.43	0.14	21.5	0.191	2.44	4.7
L865269		142.0	174.0	<0.002	0.45	19.60	9.7	2	7.9	100.5	0.53	1.20	16.0	0.222	2.94	3.4
L865270		107.5	153.0	<0.002	0.41	21.4	9.7	2	5.6	126.5	0.55	0.32	16.9	0.231	2.17	3.9
L865271		79.3	143.0	<0.002	0.20	17.95	9.3	1	4.2	142.0	0.52	0.24	16.8	0.234	1.92	3.9
L865272		49.5	134.5	<0.002	0.12	14.15	11.0	1	2.5	143.0	0.55	0.16	20.0	0.233	1.61	4.9
L865273		59.9	128.5	<0.002	0.16	10.30	8.7	2	3.9	160.0	0.41	0.18	15.8	0.187	1.69	3.9
L865274		65.4	163.5	<0.002	0.13	27.0	9.7	1	8.2	37.2	0.50	0.14	14.3	0.208	2.96	4.2
L865275		80.9	157.0	<0.002	0.19	26.0	10.6	1	5.7	128.5	0.49	0.19	17.0	0.200	2.34	5.2
L865276		42.2	130.0	<0.002	0.22	8.47	9.6	1	3.0	211	0.49	0.13	11.5	0.203	1.78	3.1
L865277		63.2	143.5	<0.002	0.38	9.21	10.2	2	3.8	154.5	0.38	0.21	11.6	0.186	2.02	2.9
L865278		69.5	174.5	<0.002	0.54	8.89	10.9	1	5.6	126.0	0.43	0.18	19.4	0.190	2.20	2.9
L865279		47.4	161.5	<0.002	0.51	6.73	10.7	1	4.1	144.0	0.42	0.16	18.1	0.190	2.00	2.6
L865280		48.2	171.5	<0.002	0.44	4.81	9.9	1	3.4	159.5	0.47	0.14	17.0	0.191	2.12	2.3
L865281		56.7	145.0	<0.002	0.23	16.20	9.8	1	4.4	64.8	0.50	0.24	10.1	0.203	2.07	1.9
L865282		42.8	135.5	<0.002	0.28	8.67	10.0	1	3.8	181.0	0.44	0.18	13.4	0.196	1.71	2.5
L865283		64.7	146.0	<0.002	0.45	5.93	10.3	1	4.8	151.0	0.45	0.17	17.5	0.183	1.89	2.4
L865284		48.3	128.0	<0.002	0.17	5.80	10.2	1	4.6	147.5	0.48	0.16	14.9	0.200	1.62	2.9
L865285		56.7	126.5	<0.002	0.41	7.23	10.7	1	3.6	172.5	0.46	0.16	20.0	0.201	1.72	2.7
L865286		64.9	177.5	<0.002	0.65	10.20	10.0	1	7.2	125.0	0.47	0.19	16.0	0.193	2.05	2.0

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VANCOUVER BC V6B 1L8

Finalized Date: 14- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118117

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
L865251		63	3.6	9.8	262	30.2
L865252		66	2.1	18.1	599	33.8
L865253		76	3.2	10.5	341	30.2
L865254		83	4.8	6.9	80	48.5
L865255		72	12.0	6.3	17	41.6
L865256		166	5.4	6.7	118	101.5
L865257		76	8.0	6.1	46	37.4
L865258		69	5.1	6.7	61	29.0
L865259		66	3.1	8.4	149	34.5
L865260		55	12.0	6.7	77	31.3
L865261		2	0.5	0.7	18	0.5
L865262		62	3.3	8.5	188	33.3
L865263		62	2.1	10.9	230	33.0
L865264		61	2.3	10.2	224	31.7
L865265		57	4.6	8.9	86	29.9
L865266		55	7.2	8.6	3270	21.6
L865267		65	3.1	13.4	196	32.3
L865268		61	3.2	16.3	259	31.6
L865269		60	7.1	11.5	234	32.9
L865270		63	4.5	11.6	174	34.8
L865271		66	3.4	11.0	154	34.1
L865272		66	2.4	10.6	137	36.9
L865273		64	2.7	8.5	137	29.1
L865274		63	4.6	10.2	144	27.9
L865275		63	4.6	11.7	186	30.1
L865276		64	3.4	7.5	92	26.8
L865277		68	4.0	6.6	95	26.6
L865278		64	8.2	8.1	102	26.3
L865279		65	5.8	7.5	96	26.7
L865280		61	4.4	6.6	73	27.7
L865281		66	4.2	6.7	81	26.0
L865282		64	4.1	7.5	80	26.4
L865283		64	4.1	8.0	75	28.6
L865284		64	5.3	7.4	79	30.5
L865285		64	3.8	7.5	110	33.8
L865286		62	5.8	6.7	82	34.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: KLAZA - 40

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 14- JUL- 2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13118117

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2013
Account: ROCKHA

CERTIFICATE WH13118118

Project: KLAZA - 40

P.O. No.: Batch 5

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

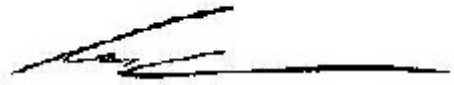
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118118

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L865287		5.11	0.309	2.33	7.66	41.0	1190	1.45	2.78	0.15	0.33	50.5	1.5	10	13.30	104.0
L865288		6.20	0.063	0.80	8.13	24.3	1710	1.54	1.55	0.23	0.24	49.7	2.4	10	10.10	121.0
L865289		5.09	0.074	1.51	8.13	36.8	2360	1.44	2.49	0.09	0.24	52.0	1.8	9	18.40	142.5
L865290		6.02	0.086	1.36	7.94	32.7	1910	1.39	7.57	0.17	0.23	53.1	2.2	9	15.05	122.5
L865291		0.26	0.890	11.85	6.74	1530	730	1.28	12.85	1.90	32.6	44.3	16.9	18	13.20	274
L865292		4.40	0.049	1.75	7.94	34.7	860	1.32	10.40	0.09	0.33	63.7	1.3	9	21.5	87.9
L865293		4.96	0.183	1.12	8.18	44.3	2640	1.49	1.87	0.21	0.34	48.5	2.1	9	17.15	121.5
L865294		4.60	0.114	1.55	7.97	108.5	880	1.25	2.25	0.08	0.28	69.8	1.3	9	17.15	69.2
L865295		4.03	0.093	4.33	7.26	66.2	740	1.03	7.73	0.05	0.21	66.5	0.6	9	12.80	27.0
L865296		4.62	0.035	1.68	8.06	65.7	1760	1.38	3.79	0.09	0.36	60.1	3.0	9	21.3	136.0
L865297		1.66	<0.005	0.01	0.25	<5	6010	<0.05	0.05	19.70	0.05	1.42	1.4	<1	0.50	2.1
L865298		4.84	0.071	1.18	7.75	81.8	1780	1.29	1.55	0.25	0.46	64.4	3.7	9	21.1	174.5
L865299		3.22	0.059	4.83	8.19	113.5	930	1.18	8.74	0.05	0.20	101.0	0.8	8	17.65	22.4
L865300		5.74	0.036	1.85	7.51	109.5	2320	1.15	2.51	0.31	0.27	67.1	2.3	9	16.70	96.0
L865301		4.99	0.025	1.40	7.59	52.3	2240	1.19	1.40	0.35	0.29	57.0	1.5	8	15.05	165.5
L865302		5.07	0.038	1.27	7.82	54.4	2140	1.55	1.35	0.31	0.29	56.5	1.8	9	14.95	154.5
L865303		6.18	0.071	0.96	7.63	61.9	1850	1.30	1.78	0.12	0.24	51.3	2.4	10	19.20	125.0
L865304		3.68	0.044	1.22	7.76	89.2	900	1.12	2.00	0.10	0.27	55.6	2.4	8	22.6	193.0
L865305		5.93	0.047	1.40	6.39	68.8	1400	1.14	3.22	0.14	0.28	29.1	1.9	9	14.45	128.5
L865306		5.57	0.099	0.91	6.50	39.2	2330	1.47	1.99	0.34	0.23	35.2	2.1	11	9.41	110.5
L865307		4.75	0.134	0.69	7.46	41.2	2440	1.36	2.19	0.34	0.27	53.3	2.9	10	9.00	123.0
L865308		5.51	0.063	0.61	7.18	34.1	1970	1.28	2.61	0.90	0.39	47.3	3.7	27	7.63	94.0
L865309		5.82	0.075	0.64	7.08	29.5	1670	1.20	3.10	0.49	0.21	44.7	1.8	17	7.10	96.5
L865310		6.81	0.262	0.79	7.51	34.9	2000	1.48	2.51	0.54	0.28	47.1	2.1	16	7.54	84.8
L865311		4.95	0.078	0.79	7.94	48.7	2710	1.49	1.16	0.25	0.28	56.1	2.5	8	13.35	209
L865312		6.08	0.087	0.76	7.48	51.2	1080	1.26	1.23	0.12	0.28	60.3	3.3	8	23.6	202
L865313		4.76	0.101	0.81	8.04	55.2	3200	1.33	1.25	0.18	0.19	54.1	2.4	9	13.95	188.5
L865314		4.12	0.169	1.84	7.45	142.5	1030	1.41	3.01	0.09	0.32	82.8	2.6	9	27.1	213
L865315		6.12	0.058	0.82	7.54	40.2	2370	1.37	1.27	0.25	0.25	50.4	2.7	10	10.95	191.0
L865316		4.96	0.160	0.99	7.79	67.4	2460	1.47	1.56	0.28	0.20	57.8	2.4	9	10.75	154.5
L865317		4.82	0.095	1.61	7.48	93.4	830	1.14	2.77	0.09	0.20	67.7	1.8	9	21.4	134.5
L865318		3.61	0.182	1.50	8.11	77.7	1620	1.50	2.22	0.10	0.16	61.1	2.6	9	14.75	138.5
L865319		2.86	0.208	3.09	8.34	120.0	1140	1.47	5.39	0.09	0.23	71.8	1.5	7	22.1	120.0
L865320		3.64	0.083	1.11	8.15	38.0	5010	1.52	2.18	0.33	0.21	57.7	4.6	8	13.15	203
L865321		4.01	0.137	1.29	8.52	74.5	2580	1.65	3.75	0.27	0.20	62.2	4.4	9	19.35	211
L865322		3.18	0.176	1.51	8.45	81.1	2660	1.61	3.99	0.18	0.19	63.4	3.3	10	17.00	207

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118118

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L865287		4.10	16.60	0.14	1.1	0.617	3.03	29.5	9.4	0.45	116	4.15	1.05	4.0	2.1	620
L865288		3.83	16.95	0.14	1.2	0.137	2.96	27.2	17.1	0.43	137	3.28	1.53	5.8	2.1	600
L865289		3.95	16.25	0.13	1.1	0.266	3.22	28.6	24.1	0.30	92	2.75	0.75	5.0	1.7	610
L865290		3.49	16.45	0.14	1.1	0.212	2.93	30.4	14.1	0.35	126	2.59	1.21	5.1	2.0	500
L865291		6.40	14.85	0.13	1.1	0.749	2.93	23.8	20.2	0.77	1770	8.88	0.13	6.0	12.5	520
L865292		3.74	17.05	0.14	1.1	0.415	3.41	36.1	10.2	0.39	94	7.44	0.50	3.9	1.7	480
L865293		3.71	16.70	0.15	1.2	0.269	3.05	26.7	12.0	0.37	147	3.64	0.94	4.9	2.0	610
L865294		4.14	15.95	0.20	1.2	0.496	3.74	38.7	8.0	0.36	125	3.14	0.08	4.5	1.5	880
L865295		2.72	16.30	0.17	1.2	0.406	3.47	38.8	8.5	0.32	97	3.30	0.08	5.8	1.3	230
L865296		3.49	16.75	0.16	1.2	0.455	3.45	32.7	19.3	0.31	184	3.97	0.31	5.0	2.0	530
L865297		0.51	0.45	0.05	<0.1	0.006	0.13	0.8	1.4	11.80	212	0.07	<0.01	0.6	<0.2	210
L865298		4.42	16.50	0.15	1.2	0.333	3.31	36.3	13.4	0.37	183	4.21	0.64	4.8	2.1	600
L865299		2.90	17.90	0.18	1.4	0.284	3.95	59.9	10.5	0.34	139	3.91	0.08	5.7	1.0	300
L865300		3.83	16.35	0.15	1.2	0.520	2.55	37.3	11.5	0.32	94	6.70	1.15	4.5	1.9	650
L865301		3.36	16.00	0.15	1.1	0.189	2.96	31.3	11.3	0.35	91	4.21	1.40	4.7	1.8	670
L865302		3.36	16.75	0.14	1.0	0.195	2.74	30.4	11.2	0.27	80	5.55	2.06	4.7	1.8	630
L865303		3.54	16.85	0.14	1.0	0.189	2.94	27.9	15.5	0.27	100	6.69	0.92	4.5	2.0	510
L865304		3.63	16.55	0.13	1.0	0.164	3.05	29.2	22.6	0.26	113	2.79	0.21	5.3	2.0	630
L865305		3.54	15.90	0.12	0.9	0.217	3.20	12.9	15.5	0.29	95	4.44	0.40	4.6	1.8	500
L865306		3.49	15.05	0.16	0.9	0.138	2.75	17.7	13.1	0.37	131	5.14	1.37	5.2	2.4	520
L865307		3.62	15.20	0.15	1.0	0.142	2.94	30.2	13.6	0.39	165	5.06	1.05	5.3	2.6	500
L865308		3.54	15.45	0.15	1.1	0.120	2.40	25.7	13.0	0.58	265	2.96	1.64	6.1	6.7	550
L865309		3.36	15.25	0.15	1.0	0.164	2.52	24.7	10.5	0.54	181	3.43	1.49	5.4	3.5	470
L865310		3.30	16.60	0.12	1.0	0.145	2.67	26.8	10.2	0.60	208	3.35	1.85	6.0	3.6	490
L865311		3.92	16.85	0.15	0.9	0.175	3.26	31.3	10.9	0.50	145	1.93	1.41	5.9	2.9	580
L865312		3.65	16.85	0.15	1.0	0.140	3.16	31.5	16.0	0.28	138	1.89	0.65	5.3	2.4	560
L865313		4.79	17.15	0.15	1.0	0.202	3.22	30.6	12.1	0.39	134	17.60	1.15	5.7	2.4	590
L865314		5.16	17.20	0.15	0.9	0.448	3.21	47.4	9.2	0.31	129	2.99	0.39	4.3	2.1	720
L865315		4.26	16.20	0.12	0.9	0.154	3.08	28.9	8.9	0.51	166	1.67	1.51	5.2	2.4	550
L865316		3.91	17.30	0.14	0.9	0.208	3.28	33.4	12.2	0.45	120	1.77	1.45	5.5	2.3	550
L865317		3.80	16.70	0.15	0.8	0.280	3.20	37.5	15.7	0.31	80	5.67	0.15	4.2	1.7	610
L865318		3.28	16.65	0.13	0.9	0.192	3.31	35.1	13.6	0.31	89	3.05	0.75	4.0	1.8	520
L865319		3.66	17.95	0.18	0.8	0.396	3.71	42.1	13.7	0.38	99	5.62	0.18	3.8	1.5	550
L865320		3.13	16.60	0.15	0.8	0.110	3.15	32.4	10.1	0.38	114	5.60	1.54	4.2	2.5	700
L865321		3.71	17.35	0.15	0.9	0.141	3.41	34.4	11.4	0.37	131	4.59	1.09	4.1	2.6	800
L865322		3.65	17.35	0.15	0.9	0.173	3.15	36.7	12.4	0.35	121	5.75	1.36	4.6	2.0	690

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118118

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L865287		77.7	146.5	<0.002	0.61	9.11	9.4	1	7.1	119.5	0.36	0.22	18.2	0.151	1.92	2.5
L865288		47.9	122.5	<0.002	0.20	5.72	10.1	1	3.9	179.5	0.51	0.14	16.7	0.207	1.73	3.2
L865289		98.9	139.0	<0.002	0.45	7.42	11.4	1	5.0	110.5	0.45	0.16	18.0	0.177	2.03	2.8
L865290		60.3	129.0	<0.002	0.25	5.50	9.7	1	4.7	150.5	0.44	0.23	15.7	0.181	1.84	2.8
L865291		1235	161.0	0.004	4.56	61.4	8.9	1	7.7	93.1	0.49	1.34	11.2	0.205	2.62	5.3
L865292		94.0	182.0	<0.002	0.54	6.00	10.2	2	5.4	93.2	0.36	0.23	16.5	0.145	2.53	2.1
L865293		64.7	152.0	<0.002	0.22	10.05	9.4	1	3.8	176.5	0.45	0.17	16.3	0.175	2.44	3.2
L865294		102.0	195.5	<0.002	0.86	21.0	10.0	1	4.1	56.9	0.43	0.26	21.6	0.168	3.34	2.3
L865295		148.5	176.0	<0.002	0.60	21.7	8.6	2	12.0	43.5	0.51	0.37	11.4	0.196	3.02	1.7
L865296		57.4	158.5	<0.002	0.53	8.18	9.9	1	4.1	99.6	0.44	0.14	19.0	0.182	2.91	3.2
L865297		1.2	3.0	<0.002	0.14	0.11	0.3	1	0.2	179.0	<0.05	<0.05	0.2	0.027	0.03	0.5
L865298		75.1	143.0	<0.002	0.73	7.91	10.0	2	2.8	133.5	0.43	0.18	19.7	0.181	2.44	3.2
L865299		296	174.5	<0.002	0.79	9.75	8.8	3	10.6	113.0	0.51	0.39	16.7	0.205	3.60	2.1
L865300		108.0	121.5	<0.002	0.85	10.65	10.3	3	3.0	215	0.40	0.43	25.4	0.168	2.18	3.0
L865301		41.0	123.0	<0.002	0.62	6.20	9.3	2	3.0	212	0.39	0.14	17.6	0.177	1.94	2.5
L865302		44.7	122.5	<0.002	0.60	5.10	9.4	1	3.0	277	0.40	0.14	18.2	0.177	1.83	2.5
L865303		44.0	133.0	0.002	0.69	7.48	9.4	1	3.1	144.5	0.39	0.22	16.0	0.170	2.13	2.4
L865304		59.8	126.0	<0.002	0.64	10.60	10.1	1	3.4	63.0	0.46	0.18	17.2	0.188	2.17	3.0
L865305		58.1	124.0	<0.002	0.64	19.20	9.8	1	4.0	99.9	0.40	0.26	9.0	0.174	2.19	2.4
L865306		42.9	110.0	<0.002	0.36	6.39	9.6	1	3.4	199.0	0.44	0.23	11.1	0.188	1.62	3.2
L865307		41.1	123.0	<0.002	0.39	5.75	9.5	1	3.9	199.5	0.45	0.25	14.3	0.199	1.74	3.5
L865308		42.0	101.0	<0.002	0.13	4.25	10.4	1	2.8	261	0.49	0.23	11.7	0.239	1.29	4.8
L865309		41.9	110.5	<0.002	0.16	3.29	8.2	1	4.0	204	0.45	0.34	11.1	0.192	1.48	2.5
L865310		47.2	120.5	<0.002	0.19	4.25	9.1	1	3.4	250	0.50	0.25	11.8	0.216	1.50	2.6
L865311		68.3	133.5	<0.002	0.32	3.75	10.2	1	2.6	236	0.46	0.09	16.7	0.205	1.77	3.2
L865312		53.4	136.0	<0.002	0.35	4.61	10.2	1	2.7	104.0	0.45	0.08	16.8	0.197	1.88	3.2
L865313		38.2	140.5	<0.002	0.36	5.76	9.7	1	3.0	196.5	0.48	0.10	17.3	0.198	1.86	2.6
L865314		107.5	155.0	<0.002	0.60	19.10	10.1	2	4.6	140.0	0.36	0.17	19.4	0.165	2.20	3.1
L865315		39.3	132.5	<0.002	0.32	3.88	9.6	1	2.3	238	0.42	<0.05	15.6	0.188	1.78	2.7
L865316		36.9	140.0	<0.002	0.37	5.27	9.4	1	2.4	224	0.46	<0.05	16.6	0.196	1.87	2.9
L865317		48.3	162.0	<0.002	0.70	29.1	9.7	2	3.5	82.6	0.36	0.12	18.2	0.169	2.38	2.4
L865318		54.3	169.0	<0.002	0.49	13.05	10.2	2	2.9	114.0	0.35	0.11	17.0	0.161	2.33	2.7
L865319		119.5	217	<0.002	0.65	20.9	10.6	2	4.1	100.5	0.34	0.13	20.0	0.163	2.89	2.9
L865320		39.2	139.0	<0.002	0.23	6.01	9.7	1	2.6	342	0.35	0.10	19.1	0.170	1.99	3.6
L865321		38.1	147.0	<0.002	0.21	11.05	10.9	2	3.4	220	0.33	0.10	22.2	0.173	2.08	4.5
L865322		43.4	163.0	<0.002	0.31	9.69	10.6	2	3.1	233	0.40	0.11	19.4	0.188	2.22	3.4

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Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118118

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
L865287		63	4.9	7.8	115	32.3
L865288		65	3.9	7.8	109	36.0
L865289		61	4.5	7.4	128	33.2
L865290		60	3.5	7.6	118	32.0
L865291		62	5.7	11.0	2290	27.8
L865292		62	5.9	7.4	104	31.4
L865293		64	3.5	8.7	147	30.5
L865294		63	5.1	8.9	133	30.5
L865295		54	10.1	7.6	70	32.6
L865296		61	3.7	10.4	262	35.2
L865297		6	0.4	1.1	16	0.5
L865298		64	2.6	10.9	298	32.8
L865299		61	8.2	8.2	39	37.8
L865300		63	2.8	8.8	132	36.2
L865301		60	3.7	7.3	103	30.8
L865302		62	2.6	7.2	106	27.4
L865303		60	3.0	7.8	121	27.0
L865304		62	3.4	8.1	132	26.3
L865305		64	3.8	6.2	119	24.3
L865306		61	2.9	7.9	96	22.8
L865307		62	3.6	9.8	126	25.4
L865308		71	2.1	11.4	95	32.3
L865309		59	2.5	8.4	73	27.0
L865310		66	2.6	8.5	85	26.4
L865311		64	2.3	10.9	158	22.7
L865312		65	3.5	10.5	171	24.0
L865313		67	3.0	8.9	124	25.2
L865314		65	4.3	10.4	174	22.5
L865315		64	2.4	8.1	137	21.9
L865316		64	2.0	8.6	113	22.9
L865317		65	3.5	9.1	85	20.2
L865318		68	3.4	8.4	111	21.4
L865319		70	4.8	8.6	115	21.1
L865320		67	3.4	10.2	89	20.2
L865321		73	6.6	11.0	118	22.9
L865322		72	4.1	10.4	94	22.7

***** See Appendix Page for comments regarding this certificate *****

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 13- JUL- 2013
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Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118118

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- MS61

ALS Canada Ltd.

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Finalized Date: 13-JUL-2013
Account: ROCKHA

CERTIFICATE WH13118119

Project: KLAZA - 40

P.O. No.: Batch 6

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

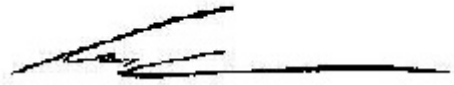
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 13- JUL- 2013
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Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118119

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L865323		5.12	0.109	1.26	7.99	52.0	2590	1.49	4.73	0.57	0.22	57.2	1.8	9	12.40	137.0
L865324		3.30	0.129	1.23	8.03	65.0	1790	1.26	3.12	0.10	0.15	73.9	1.3	7	25.4	113.5
L865325		5.08	0.277	1.58	7.93	94.1	2190	1.39	5.78	0.57	0.26	52.2	2.1	9	15.20	157.5
L865326		6.05	0.307	2.05	8.03	177.0	1890	1.56	9.13	0.30	0.33	64.4	2.6	9	17.70	165.5
L865327		2.95	0.147	1.83	7.88	90.1	2090	1.58	11.60	0.51	0.25	62.2	1.5	10	13.55	154.0
L865328		2.79	0.098	1.70	7.84	83.7	2150	1.55	6.98	0.31	0.25	58.1	1.7	8	12.45	177.5
L865329		6.20	0.151	2.32	7.90	185.0	1770	1.75	11.35	0.25	0.26	56.5	2.4	10	13.45	200
L865330		4.30	0.682	3.83	7.86	264	1980	1.74	19.45	0.15	0.27	67.7	2.4	10	19.95	286
L865331		2.13	0.005	0.03	0.09	<5	30	0.05	0.21	20.6	0.07	1.44	0.6	<1	0.23	4.0
L865332		4.30	0.207	3.28	7.82	126.0	1790	1.63	23.1	0.49	0.26	50.6	1.3	10	10.55	144.0
L865333		5.69	0.234	3.93	7.56	137.0	1820	1.35	28.7	0.42	0.25	52.8	1.5	10	11.25	152.5
L865334		4.52	0.441	3.71	7.83	148.0	1970	1.48	27.1	0.16	0.24	51.1	1.5	8	12.30	133.5
L865335		4.40	0.297	5.55	7.24	131.0	810	1.26	35.1	0.04	0.14	41.4	0.5	9	12.90	35.7
L865336		4.06	0.079	2.24	7.48	212	1490	1.46	9.73	0.07	0.32	46.3	1.9	8	12.05	212
L865337		3.88	0.112	2.08	7.77	186.0	2230	1.51	9.13	0.06	0.28	46.6	2.0	13	10.35	157.5
L865338		4.91	0.175	2.37	7.16	129.0	1000	1.43	20.6	0.05	0.17	44.6	1.0	41	8.39	61.9
L865339		4.05	0.155	0.76	8.01	132.5	1830	1.59	2.21	0.09	0.50	57.6	3.3	8	11.90	282
L865340		4.18	0.072	1.04	8.44	179.5	1170	2.12	2.84	0.09	0.72	71.6	4.6	8	16.10	501
L865341		5.96	0.078	1.01	7.63	94.3	1020	1.62	1.47	0.07	0.49	58.9	2.4	7	14.25	294
L865342		5.16	0.106	1.10	7.74	119.0	1720	2.01	1.69	0.09	0.60	51.5	3.1	8	15.90	374
L865343		4.21	0.110	1.36	8.32	103.0	2610	1.95	2.77	0.21	0.53	62.8	4.6	8	12.50	337
L865344		4.68	0.295	2.15	7.64	129.5	1120	1.56	6.15	0.07	0.49	56.4	2.1	8	11.20	201
L865345		4.17	0.142	1.63	7.28	52.2	2920	1.83	1.96	0.17	0.47	38.8	3.5	8	10.60	313
L865346		4.03	0.130	1.58	7.63	97.6	2050	1.67	1.96	0.07	0.53	60.5	3.0	8	12.80	300
L865347		5.59	0.115	1.38	8.24	73.3	2090	2.07	2.58	0.06	0.54	53.6	4.4	9	12.20	346
L865348		5.00	0.119	1.26	7.87	69.3	2520	1.97	2.29	0.17	0.65	55.2	15.4	8	12.50	347
L865349		4.36	0.279	4.81	7.95	182.5	960	1.92	14.25	0.06	0.66	76.9	5.6	9	14.75	256
L865350		4.79	0.078	0.87	8.08	95.4	1660	2.24	1.69	0.16	0.95	66.3	25.2	33	36.5	489
L865351		4.41	0.052	0.40	8.26	80.8	1710	1.96	0.59	0.18	1.49	71.9	34.3	35	22.2	316
L865352		3.64	0.079	0.39	7.98	109.5	1120	1.96	0.52	0.22	2.59	65.1	9.3	34	33.8	152.0
L865353		0.27	0.405	4.19	6.67	709	690	1.43	2.80	2.05	10.20	49.1	10.8	24	12.75	309
L865354		3.26	0.105	1.32	8.27	291	1070	1.83	2.59	0.25	2.40	63.7	11.4	33	77.1	525
L865355		4.30	0.134	1.82	7.85	71.8	2080	1.43	9.78	0.99	1.20	44.3	5.8	36	17.05	527
L865356		4.60	0.096	1.28	7.81	46.4	1610	1.55	1.76	1.08	1.35	44.5	9.3	33	16.80	525
L865357		4.75	0.146	3.27	7.49	255	1300	1.23	5.42	0.43	1.17	42.0	3.5	22	19.85	354
L865358		5.07	0.317	6.48	7.83	240	2620	1.31	20.5	0.34	1.32	43.2	3.8	17	24.1	440

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118119

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L865323		3.97	16.30	0.15	0.9	0.123	3.09	32.8	9.7	0.65	155	3.60	1.91	5.9	2.7	710
L865324		3.14	16.05	0.17	0.9	0.184	3.30	40.0	10.8	0.29	61	4.63	0.57	5.4	1.3	580
L865325		4.52	17.05	0.16	0.7	0.224	3.09	29.0	10.6	0.65	152	2.51	1.64	5.4	2.1	770
L865326		4.13	17.25	0.17	0.8	0.243	3.16	37.5	18.8	0.45	137	4.01	1.11	5.3	2.6	660
L865327		4.11	16.95	0.17	0.8	0.153	2.89	33.1	9.1	0.63	133	5.14	1.83	5.6	2.6	890
L865328		3.73	16.35	0.18	0.8	0.232	3.12	31.3	10.0	0.52	107	3.22	1.69	5.4	2.0	750
L865329		4.47	16.90	0.15	0.9	0.270	2.96	32.4	14.2	0.49	133	2.89	1.36	5.4	3.2	1120
L865330		4.94	16.35	0.17	0.8	0.530	3.30	38.5	11.2	0.41	128	6.68	0.88	3.9	3.1	1150
L865331		0.51	0.21	0.09	<0.1	<0.005	0.03	0.7	1.1	12.20	196	0.21	0.01	0.1	1.8	180
L865332		3.71	16.75	0.16	0.8	0.390	2.92	27.9	8.4	0.54	129	4.66	1.84	5.0	2.6	930
L865333		3.97	16.20	0.15	0.8	0.301	3.05	29.1	9.5	0.54	141	4.46	1.58	5.3	2.4	790
L865334		3.25	16.55	0.17	0.9	0.208	3.25	28.8	10.7	0.32	83	7.42	1.30	4.7	1.7	520
L865335		1.58	16.95	0.16	1.0	0.238	3.82	21.1	10.0	0.36	65	7.48	0.06	5.7	1.0	250
L865336		2.79	15.70	0.16	1.0	0.213	3.41	24.6	15.4	0.32	83	9.64	0.17	5.0	1.8	430
L865337		2.66	16.30	0.13	1.1	0.256	3.45	25.6	18.6	0.35	108	10.75	0.13	5.5	1.8	440
L865338		1.90	16.25	0.16	1.6	0.297	3.44	25.0	9.7	0.34	89	5.67	0.06	6.6	1.7	280
L865339		3.13	15.95	0.16	1.1	0.140	3.16	30.6	17.0	0.29	118	10.85	0.09	5.0	2.4	640
L865340		3.45	18.65	0.14	1.2	0.162	3.00	37.8	28.1	0.26	120	8.70	0.06	5.0	5.1	740
L865341		2.56	15.85	0.15	1.1	0.184	2.83	31.4	24.8	0.27	94	7.82	0.09	4.7	2.4	460
L865342		3.16	16.05	0.13	1.1	0.173	3.13	25.2	17.2	0.28	108	9.73	0.18	4.7	2.6	570
L865343		3.84	16.20	0.12	1.1	0.308	2.89	33.6	18.6	0.35	165	10.95	0.80	5.2	3.2	680
L865344		3.08	15.35	0.12	1.0	0.331	3.27	29.1	18.2	0.31	112	6.42	0.10	4.6	1.6	500
L865345		3.40	14.95	0.12	1.1	0.202	2.77	18.9	13.6	0.31	130	7.05	1.09	4.9	2.4	580
L865346		3.56	14.35	0.13	1.1	0.305	3.23	32.7	14.7	0.31	146	15.20	0.20	5.6	1.9	580
L865347		3.98	16.25	0.11	1.0	0.384	3.58	28.9	14.8	0.32	184	6.22	0.30	4.5	2.5	590
L865348		3.41	15.40	0.11	1.2	0.441	3.00	29.0	33.1	0.26	588	3.18	0.76	5.6	2.4	630
L865349		3.17	18.80	0.15	1.2	0.449	3.68	41.8	12.0	0.37	320	6.58	0.07	4.8	2.5	410
L865350		3.44	19.10	0.13	4.1	0.104	2.46	34.4	50.2	0.20	898	7.56	0.12	8.6	15.8	710
L865351		2.28	20.4	0.12	4.8	0.045	2.74	35.0	55.6	0.17	2160	3.33	0.16	9.6	11.7	690
L865352		1.93	18.75	0.11	4.3	0.038	2.70	34.0	38.9	0.21	861	4.75	0.12	9.2	20.6	670
L865353		4.97	13.40	0.10	1.0	0.280	2.92	27.5	24.5	0.76	1920	14.15	0.15	4.9	14.2	510
L865354		4.22	21.2	0.11	2.7	0.129	2.87	32.1	15.2	0.39	825	19.60	0.12	7.4	12.7	820
L865355		6.04	19.10	0.11	0.9	0.168	2.36	22.3	19.7	0.98	240	13.90	1.08	5.6	3.5	830
L865356		5.80	19.00	0.12	0.9	0.131	2.28	22.2	17.4	1.09	288	27.9	1.47	5.9	4.1	910
L865357		7.05	19.05	0.11	0.6	0.391	2.79	22.4	12.8	0.64	104	26.6	0.58	4.6	3.4	1140
L865358		7.51	19.15	0.10	0.6	0.360	2.99	22.6	13.6	0.55	121	70.8	0.32	3.9	2.6	890

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118119

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L865323		43.9	121.0	<0.002	0.27	6.56	10.4	2	3.0	292	0.47	0.13	16.9	0.226	1.61	3.0
L865324		34.6	141.5	<0.002	0.57	9.63	10.5	1	3.5	149.5	0.48	0.06	20.5	0.202	2.13	2.4
L865325		49.8	132.0	<0.002	0.36	8.20	10.7	1	3.4	260	0.40	0.13	16.2	0.222	1.86	2.8
L865326		63.1	154.0	<0.002	0.41	14.05	11.4	2	4.2	203	0.40	0.15	18.8	0.210	2.09	4.3
L865327		57.5	122.0	<0.002	0.40	8.84	11.7	2	2.6	285	0.44	0.13	19.9	0.222	1.71	3.1
L865328		58.7	140.5	<0.002	0.47	7.53	11.4	2	2.6	248	0.45	0.08	18.3	0.207	1.99	3.2
L865329		72.1	153.0	<0.002	0.35	12.65	11.5	2	3.6	233	0.46	0.11	20.2	0.206	2.31	5.1
L865330		88.9	191.0	<0.002	0.55	27.1	10.6	3	5.1	256	0.32	0.31	20.4	0.163	2.76	5.5
L865331		2.0	1.7	<0.002	0.01	0.20	0.2	1	<0.2	49.5	<0.05	<0.05	0.2	<0.005	0.03	0.5
L865332		78.3	135.0	<0.002	0.38	13.10	11.2	2	3.0	286	0.40	0.13	19.2	0.197	1.87	3.7
L865333		67.9	147.0	<0.002	0.57	12.55	10.8	2	3.4	249	0.42	0.14	16.6	0.210	2.00	3.1
L865334		71.5	168.5	<0.002	0.36	16.45	9.6	2	3.6	210	0.43	0.20	15.4	0.189	2.41	2.7
L865335		145.0	202	<0.002	0.24	39.8	10.8	2	6.8	48.6	0.50	0.27	7.3	0.210	3.41	1.7
L865336		86.7	171.5	<0.002	0.27	19.55	9.9	2	4.2	93.5	0.42	0.14	15.2	0.187	2.87	3.3
L865337		74.1	186.0	<0.002	0.25	18.65	10.3	3	4.6	102.5	0.48	0.15	15.4	0.198	2.94	3.2
L865338		57.0	216	<0.002	0.19	26.8	9.5	2	6.6	47.9	0.60	0.12	10.1	0.228	3.12	2.7
L865339		32.9	156.0	<0.002	0.14	18.75	10.5	2	2.9	75.1	0.45	0.08	17.7	0.187	2.92	4.1
L865340		36.1	169.5	<0.002	0.09	45.3	11.9	2	2.8	61.0	0.45	0.12	19.0	0.186	3.27	7.0
L865341		50.8	155.0	<0.002	0.15	42.5	10.4	1	2.8	69.0	0.43	0.06	16.3	0.180	3.00	3.7
L865342		106.0	164.0	<0.002	0.16	18.25	10.0	2	3.0	75.6	0.46	0.05	16.0	0.180	3.38	4.1
L865343		95.9	154.5	0.002	0.22	13.70	11.9	2	3.7	197.0	0.44	0.08	19.6	0.189	2.53	4.9
L865344		104.0	167.0	0.003	0.29	28.9	9.5	2	4.9	96.7	0.38	0.14	16.1	0.165	2.88	3.0
L865345		26.4	129.0	0.003	0.21	4.56	10.0	2	3.0	198.0	0.45	0.14	14.5	0.168	2.04	3.4
L865346		31.9	171.0	0.008	0.28	9.87	9.8	3	3.7	95.9	0.54	0.11	19.3	0.173	2.43	3.4
L865347		24.9	190.5	0.003	0.20	6.12	11.4	2	6.0	69.1	0.44	0.16	18.9	0.159	3.18	3.6
L865348		25.0	163.0	0.003	0.15	5.41	9.4	1	4.4	180.5	0.57	0.08	21.2	0.182	2.76	3.9
L865349		202	198.5	<0.002	0.26	21.3	10.2	1	14.1	55.9	0.47	1.16	16.3	0.183	3.61	3.0
L865350		50.0	103.0	<0.002	0.10	8.44	6.2	1	2.5	174.5	0.68	0.17	15.4	0.256	2.20	6.6
L865351		17.4	94.9	<0.002	0.03	4.59	5.5	1	1.9	141.5	0.78	0.09	13.8	0.288	2.51	5.5
L865352		19.8	94.0	<0.002	0.03	6.87	6.0	1	1.9	170.5	0.72	0.09	12.7	0.284	2.48	5.0
L865353		486	145.5	0.004	2.61	23.9	8.0	1	4.9	101.5	0.42	0.26	10.9	0.206	2.37	4.6
L865354		87.9	137.5	0.003	0.37	17.85	10.5	1	4.9	236	0.58	0.23	11.8	0.300	3.57	6.7
L865355		57.0	99.5	0.002	0.34	3.97	15.7	2	6.5	306	0.40	0.29	8.2	0.353	1.86	2.1
L865356		32.5	94.3	0.005	0.22	3.91	15.5	1	3.8	344	0.41	0.15	7.8	0.362	1.58	2.3
L865357		111.0	117.0	0.002	1.01	8.73	15.3	2	6.7	289	0.31	0.31	10.4	0.351	1.88	2.5
L865358		211	147.5	0.002	0.76	40.9	13.7	2	7.1	195.0	0.27	0.31	6.0	0.328	2.22	2.5

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
L865323		71	2.8	8.6	84	21.9
L865324		66	5.4	7.7	59	22.0
L865325		76	2.8	9.1	88	18.9
L865326		75	3.6	11.8	160	22.0
L865327		74	2.4	9.2	94	20.3
L865328		71	2.6	9.3	104	21.3
L865329		73	3.7	10.5	149	23.4
L865330		73	4.5	10.7	183	22.6
L865331		2	0.1	0.7	15	0.6
L865332		69	2.6	8.5	88	20.2
L865333		69	2.9	9.2	92	21.0
L865334		67	3.9	7.7	89	23.3
L865335		68	7.2	5.4	33	25.0
L865336		64	6.1	9.0	154	25.8
L865337		66	5.5	9.2	148	30.0
L865338		69	6.6	6.2	43	41.7
L865339		66	3.6	11.7	138	29.5
L865340		68	3.6	17.2	178	34.3
L865341		63	4.0	12.3	147	32.0
L865342		63	4.0	11.1	156	31.1
L865343		64	3.9	15.2	236	32.0
L865344		59	5.5	11.0	110	29.4
L865345		60	4.3	10.8	139	29.7
L865346		58	7.0	26.6	117	28.5
L865347		61	5.2	11.9	108	28.8
L865348		61	3.9	12.5	104	31.4
L865349		62	7.3	9.3	106	30.7
L865350		55	3.9	15.4	246	155.0
L865351		54	3.4	14.1	121	178.0
L865352		54	4.1	14.5	147	165.5
L865353		67	4.7	10.9	869	28.6
L865354		88	6.2	13.6	167	99.2
L865355		130	5.0	13.4	147	22.1
L865356		132	4.7	13.5	141	21.3
L865357		140	6.6	10.6	157	15.8
L865358		136	4.8	10.6	194	16.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118119

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method:	REE's may not be totally soluble in this method. ME- MS61
Applies to Method:	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL) ME- MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	CRU- 31	CRU- QC	LOG- 22	PUL- 31
	PUL- QC	SPL- 21	WEI- 21	
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au- AA24	ME- MS61		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10-JUL-2013
Account: ROCKHA

CERTIFICATE WH13118220

Project: KLAZA - 40

P.O. No.: Batch 14

This report is for 28 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118220

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K862901		4.21	0.169	3.42	8.33	63.7	3440	1.60	6.52	0.66	0.92	44.8	6.2	16	14.20	140.5
K862902		4.23	0.220	2.86	8.69	104.0	2280	1.70	4.55	0.28	0.87	77.5	5.0	14	19.05	156.0
K862903		2.76	0.710	4.25	8.70	227	1230	1.68	8.05	0.19	0.65	83.2	2.5	13	18.70	166.0
K862904		2.78	1.900	15.60	7.91	182.0	1110	1.58	35.0	0.09	0.56	68.8	1.0	13	9.24	43.3
K862905		1.58	6.75	29.3	3.78	416	510	0.91	39.6	0.05	0.72	16.35	0.8	12	4.17	51.4
K862906		2.24	0.744	6.10	6.45	91.4	820	1.18	23.8	0.05	0.18	63.1	0.6	14	6.30	20.4
K862907		1.52	0.007	0.08	0.10	<5	40	0.07	0.19	20.6	0.08	1.55	0.6	1	0.27	2.3
K862908		1.80	0.474	8.04	8.21	173.0	1470	1.23	45.0	0.14	0.45	113.0	0.4	14	18.35	75.8
K862909		3.07	1.440	3.66	7.90	175.5	2870	1.77	12.20	1.12	1.24	81.8	6.9	16	15.20	241
K862910		1.67	2.02	10.55	7.75	177.0	1500	1.36	46.4	0.32	0.99	72.7	2.2	14	17.50	242
K862911		3.48	0.378	1.53	8.09	104.0	3900	1.47	3.82	0.83	1.08	52.3	3.8	12	12.35	176.0
K862912		1.59	0.907	3.71	8.32	159.0	2010	1.54	6.87	0.27	3.42	71.9	15.4	12	20.6	143.0
K862913		5.52	0.310	1.13	8.14	85.3	2700	1.52	2.19	0.46	4.48	50.6	10.4	10	14.90	108.5
K862914		3.67	0.578	1.68	8.07	98.6	1930	1.50	6.43	0.12	1.12	55.4	3.1	8	16.40	129.5
K862915		2.92	0.190	2.32	6.87	56.6	1520	1.57	8.19	0.07	0.73	50.7	2.3	8	10.90	75.0
K862916		2.00	0.178	1.18	2.44	59.3	660	0.95	3.32	0.03	0.71	23.5	6.9	15	4.57	115.0
K862917		2.09	0.138	1.16	7.06	55.7	1500	1.45	4.77	0.08	0.86	44.4	2.9	10	18.55	105.5
K862918		1.54	0.142	1.50	2.70	41.4	730	0.67	8.38	0.03	0.30	16.20	6.2	19	2.89	53.7
K862919		6.29	0.314	1.07	8.70	139.5	1120	2.29	3.74	0.09	1.62	67.7	8.6	9	24.0	306
K862920		9.00	0.111	0.71	8.10	44.4	3280	1.71	2.29	0.78	1.52	47.6	26.2	15	13.70	257
K862921		2.90	0.044	0.39	1.01	20.0	250	0.41	1.72	0.07	0.51	5.44	9.9	31	1.53	31.5
K862922		6.49	0.165	1.35	8.95	117.5	2500	2.28	4.39	0.58	3.68	65.0	21.7	18	25.8	249
K862923		2.49	0.062	0.65	9.42	69.7	2130	2.11	1.20	0.51	3.89	67.8	29.0	19	39.1	134.0
K862924		7.08	0.065	0.62	8.51	36.1	3490	1.73	1.49	1.83	4.28	60.5	19.4	17	22.6	93.2
K862925		3.86	0.088	0.80	8.97	54.1	1500	2.23	1.54	0.53	4.91	67.3	30.6	17	27.9	157.0
K862926		2.95	0.226	1.26	9.30	56.0	1850	2.06	2.64	1.04	4.43	61.2	19.6	17	16.75	199.5
K862927		0.25	0.890	11.95	7.02	1570	1240	1.53	12.50	1.98	33.6	48.5	16.9	19	13.75	285
K862928		5.52	0.084	0.73	8.68	28.0	2630	1.72	1.53	2.99	1.18	53.1	15.6	17	9.12	87.0

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118220

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K862901		4.91	19.30	0.10	0.9	0.240	3.20	23.5	14.5	1.16	419	2.84	0.95	5.7	3.8	1240
K862902		3.38	20.1	0.15	1.0	0.489	3.86	40.4	13.5	0.59	256	2.81	0.36	6.9	3.7	900
K862903		3.63	20.0	0.15	0.9	0.643	4.03	44.6	9.8	0.46	161	3.35	0.13	6.5	1.7	710
K862904		1.79	23.8	0.16	1.2	0.379	3.76	38.4	9.0	0.38	124	3.42	0.07	8.0	1.0	310
K862905		2.70	11.25	0.07	0.4	0.153	1.80	9.2	9.6	0.21	106	13.10	0.03	2.0	1.1	230
K862906		1.23	18.70	0.10	0.8	0.283	3.10	33.5	6.1	0.34	94	8.04	0.04	5.4	0.8	160
K862907		0.46	0.29	0.14	<0.1	0.007	0.04	0.8	1.1	12.90	200	0.14	0.01	0.2	1.8	170
K862908		2.48	20.8	0.26	1.1	0.499	3.78	63.0	10.1	0.39	76	1.86	0.05	7.5	0.8	470
K862909		5.21	19.05	0.21	1.0	0.728	3.56	44.1	17.4	1.04	456	1.73	0.95	7.5	6.2	1010
K862910		5.39	23.4	0.15	0.9	1.005	3.18	39.3	16.1	0.50	205	1.74	0.11	6.7	3.2	1040
K862911		4.36	17.25	0.16	0.8	0.444	3.20	27.3	15.5	0.88	333	2.60	1.10	6.3	5.4	960
K862912		3.46	17.35	0.14	0.9	0.556	3.81	35.8	18.0	0.39	829	1.64	0.35	6.8	3.7	870
K862913		2.47	18.20	0.15	0.9	0.321	3.08	26.2	27.1	0.41	1000	3.05	0.64	6.9	5.4	620
K862914		2.59	19.10	0.14	0.8	0.426	3.33	34.4	15.1	0.27	165	31.8	0.11	5.4	2.2	410
K862915		1.88	18.95	0.15	0.8	0.332	3.54	28.6	6.8	0.34	156	15.40	0.09	3.9	1.1	190
K862916		2.69	6.38	0.09	0.3	0.306	1.08	17.2	5.4	0.13	90	71.0	0.03	1.1	1.9	180
K862917		1.94	15.10	0.12	0.7	0.395	3.29	29.3	10.5	0.36	167	17.15	0.07	4.0	1.6	250
K862918		2.01	6.73	0.06	0.2	0.112	1.26	10.9	4.9	0.13	53	99.8	0.05	1.2	2.5	110
K862919		4.32	17.10	0.12	0.8	0.710	3.86	45.9	15.3	0.37	270	5.42	0.08	3.7	4.9	610
K862920		5.40	16.90	0.14	0.9	0.300	3.25	22.8	15.3	1.04	493	3.07	1.00	6.0	6.9	980
K862921		2.37	2.05	0.08	0.1	0.047	0.44	3.3	4.3	0.07	98	4.88	0.02	0.6	4.6	80
K862922		5.61	18.10	0.13	1.0	0.314	3.08	35.4	28.0	0.51	852	2.78	0.41	7.3	8.1	1260
K862923		5.02	19.05	0.15	1.1	0.179	2.86	35.8	90.5	0.28	1490	3.37	0.41	8.7	10.2	1360
K862924		4.96	17.45	0.12	1.0	0.516	2.48	32.5	26.5	1.12	956	2.04	1.50	7.8	8.1	1240
K862925		5.37	18.20	0.15	1.0	0.234	2.85	33.6	42.1	0.38	1520	2.93	0.33	7.6	9.0	1300
K862926		6.08	18.90	0.15	1.1	0.622	2.72	34.7	26.5	0.87	1620	3.25	0.71	7.8	8.2	1350
K862927		6.65	14.75	0.11	1.1	0.797	3.02	25.9	21.3	0.81	1830	9.14	0.13	6.2	12.2	530
K862928		5.51	17.75	0.15	1.1	0.204	2.43	27.3	14.9	1.87	793	2.08	1.91	7.6	7.7	1380

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118220

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K862901		79.4	145.0	<0.002	0.24	7.04	17.6	2	6.4	277	0.40	1.01	12.5	0.351	2.72	3.8
K862902		168.0	200	<0.002	0.29	28.4	18.4	1	6.9	179.0	0.47	0.64	13.1	0.361	3.98	5.0
K862903		223	229	<0.002	0.54	53.5	16.5	1	9.2	131.0	0.45	0.44	15.1	0.351	4.81	4.5
K862904		422	210	<0.002	0.29	115.0	15.7	2	25.4	120.5	0.53	1.08	9.4	0.384	4.02	2.4
K862905		456	107.0	<0.002	0.31	76.4	6.4	2	14.2	42.6	0.14	1.34	3.4	0.132	1.52	2.0
K862906		163.5	180.0	0.002	0.22	38.4	11.5	1	16.1	66.2	0.37	0.58	5.7	0.311	2.81	1.4
K862907		2.6	2.1	<0.002	0.01	0.32	0.2	<1	0.2	50.4	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K862908		393	180.5	<0.002	0.54	102.5	16.1	3	23.2	180.0	0.52	1.07	9.7	0.414	3.75	2.7
K862909		109.0	164.5	<0.002	0.34	23.0	19.7	2	6.1	329	0.46	0.50	11.6	0.381	2.74	15.0
K862910		180.0	151.5	<0.002	1.19	16.70	15.8	1	27.8	143.5	0.41	0.71	9.7	0.389	2.95	4.7
K862911		73.5	133.0	<0.002	0.39	11.00	15.3	1	3.6	313	0.40	0.33	8.1	0.310	2.36	8.7
K862912		64.8	180.5	<0.002	0.62	30.0	11.7	1	6.4	152.0	0.46	0.68	12.8	0.340	3.50	3.7
K862913		51.3	132.5	<0.002	0.13	14.35	11.2	1	3.4	171.0	0.49	0.35	10.4	0.277	2.33	7.3
K862914		91.2	163.5	0.002	0.29	20.5	11.2	1	8.5	84.2	0.41	3.11	14.9	0.185	2.85	4.7
K862915		139.5	171.5	<0.002	0.25	15.90	7.2	1	19.1	63.1	0.32	6.31	8.9	0.139	3.29	1.9
K862916		83.3	59.6	0.006	0.73	17.60	4.5	1	4.8	36.5	0.09	3.29	4.7	0.052	1.03	2.7
K862917		106.5	171.5	<0.002	0.20	14.60	8.6	1	5.5	63.1	0.31	1.88	10.2	0.140	3.14	3.4
K862918		128.0	57.2	0.005	1.05	11.30	2.7	1	2.9	40.2	0.10	2.12	4.5	0.045	0.62	1.6
K862919		175.0	199.0	0.002	0.15	19.40	11.9	2	6.9	74.3	0.29	0.98	18.0	0.133	3.26	11.0
K862920		62.6	135.0	<0.002	0.11	5.57	15.9	1	4.8	241	0.43	0.42	11.3	0.318	2.28	9.0
K862921		16.0	24.0	<0.002	1.54	12.15	1.7	1	1.7	14.2	<0.05	0.16	1.1	0.034	0.39	1.1
K862922		59.6	153.0	<0.002	0.22	31.1	18.7	2	5.5	149.5	0.49	0.55	13.5	0.395	2.67	10.6
K862923		36.3	121.5	<0.002	0.05	22.0	20.7	1	2.5	115.0	0.53	0.25	14.8	0.469	2.75	8.6
K862924		45.7	105.5	<0.002	0.25	6.12	18.0	1	2.9	417	0.50	0.29	12.7	0.417	1.97	5.1
K862925		58.6	120.5	<0.002	0.06	15.65	19.8	2	2.9	108.0	0.51	0.30	12.5	0.444	2.43	10.4
K862926		94.0	111.0	<0.002	0.07	16.75	19.6	2	3.4	212	0.54	0.42	13.1	0.456	1.98	10.8
K862927		1290	169.0	<0.002	4.73	65.9	9.2	2	7.9	98.1	0.53	1.05	11.6	0.214	2.56	5.5
K862928		58.2	74.4	<0.002	0.24	2.96	17.6	2	2.3	523	0.51	0.28	10.4	0.440	1.41	4.5

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VANCOUVER BC V6B 1L8

Finalized Date: 10- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118220

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K862901		160	3.2	10.8	136	25.0
K862902		145	4.7	12.7	137	28.7
K862903		146	6.8	9.9	163	24.2
K862904		135	23.7	6.2	47	35.5
K862905		68	8.5	2.4	42	9.1
K862906		122	19.2	5.2	23	22.8
K862907		3	0.2	0.8	16	0.6
K862908		137	20.4	8.0	48	31.5
K862909		140	3.9	21.4	220	29.4
K862910		136	19.8	12.8	147	25.9
K862911		111	2.0	14.3	169	24.2
K862912		107	5.2	10.6	169	25.1
K862913		84	2.8	14.4	115	25.3
K862914		66	3.5	10.6	75	23.0
K862915		55	6.6	4.9	52	20.1
K862916		53	2.9	4.1	64	7.3
K862917		60	5.2	6.2	85	18.9
K862918		44	2.1	2.2	23	6.0
K862919		54	3.1	14.1	228	20.6
K862920		124	2.4	18.8	239	22.9
K862921		21	1.1	1.7	31	2.9
K862922		156	5.5	29.6	267	27.6
K862923		176	8.9	27.7	267	32.4
K862924		157	3.9	24.5	359	28.4
K862925		171	5.3	30.5	358	26.4
K862926		172	3.4	29.2	431	27.7
K862927		64	5.7	11.4	2370	29.1
K862928		168	1.8	22.7	231	28.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 10- JUL- 2013
Account: ROCKHA

Project: KLAZA - 40

CERTIFICATE OF ANALYSIS WH13118220

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

	REE's may not be totally soluble in this method.
Applies to Method:	ME- MS61
	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method:	ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au- AA24	ME- MS61

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Finalized Date: 11-JUL-2013
Account: ROCKHA

CERTIFICATE WH13118221

Project: KLAZA - 41

P.O. No.: Batch 7

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

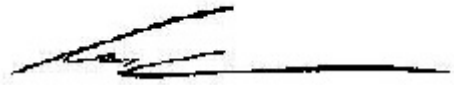
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-JUL-2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118221

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L865359		6.02	0.072	1.06	8.87	87.5	1050	1.43	0.79	0.79	1.82	41.6	12.3	20	10.90	583
L865360		6.63	0.110	0.97	7.98	38.2	1650	1.55	1.28	1.29	0.96	45.9	11.8	20	8.19	390
L865361		5.58	0.075	1.24	7.06	79.0	1380	1.44	1.94	0.40	1.12	44.4	11.0	25	9.79	323
L865362		2.16	0.012	0.20	7.94	7.3	1570	1.49	0.11	3.79	0.34	53.2	17.1	10	9.59	46.1
L865363		3.12	0.011	1.28	8.74	175.0	1290	1.35	0.36	1.86	0.35	49.5	114.0	11	18.35	380
L865364		2.18	0.013	0.51	8.16	19.9	1320	1.51	0.12	3.74	0.20	47.0	29.1	12	11.25	156.5
L865365		4.23	0.006	0.24	8.70	13.6	1410	1.45	0.11	3.47	0.25	46.0	21.2	13	22.6	66.3
L865366		3.35	0.007	0.28	8.88	17.2	1300	1.50	0.11	2.37	0.21	42.8	20.5	13	31.3	62.0
L865367		2.08	<0.005	0.01	0.09	<5	40	0.08	0.04	21.1	0.09	1.52	0.8	1	0.38	6.5
L865368		2.66	0.024	0.13	8.38	8.8	1410	1.42	0.09	4.64	0.22	44.7	19.9	18	10.45	39.5
L865369		4.02	0.008	0.16	7.94	12.8	1550	1.37	0.19	3.48	0.20	52.4	12.3	13	22.8	45.9
L865370		4.56	0.008	0.32	7.41	95.9	1710	1.42	0.12	4.27	0.63	50.8	10.0	14	41.1	27.2
L865371		3.75	<0.005	0.14	6.01	56.1	900	1.80	0.06	3.01	0.14	37.3	6.3	17	13.70	7.7
L865372		3.26	0.406	14.95	8.07	350	>10000	1.60	0.39	0.20	10.20	61.1	7.1	19	14.05	34.6
L865373		5.44	0.255	5.41	7.80	190.5	2180	1.44	0.48	0.15	3.34	53.6	3.7	6	12.60	42.8
L865374		3.92	2.20	8.04	6.93	196.5	4130	1.19	0.15	0.12	1.33	49.5	1.1	5	10.15	39.9
L865375		2.43	0.048	0.52	7.65	50.6	1630	1.58	0.17	1.05	0.37	58.9	6.2	4	11.30	66.3
L865376		0.27	0.336	4.41	6.77	700	540	1.37	2.90	2.07	10.80	49.3	12.4	24	13.05	309
L865377		3.80	0.028	0.31	7.59	57.3	1010	1.68	0.12	0.64	0.27	54.7	4.9	5	13.20	79.7
L865378		3.71	0.010	0.46	7.13	46.1	1020	1.63	0.14	1.26	0.38	45.6	3.8	4	22.7	37.6
L865379		2.70	0.029	2.34	7.12	347	1120	1.25	0.24	0.25	4.05	57.4	10.9	4	10.45	86.8
L865380		4.27	0.019	0.46	7.44	104.5	1420	1.44	0.20	1.21	0.24	59.5	6.6	12	10.65	36.7
L865381		3.63	0.024	0.40	7.88	61.0	1570	1.24	0.27	0.68	0.37	68.4	9.3	31	13.35	57.3
L865382		6.50	0.065	4.79	8.38	258	1370	1.60	0.65	1.08	1.23	54.4	15.0	16	13.70	421
L865383		4.44	0.461	14.40	8.31	1045	410	1.08	0.67	0.29	0.83	31.7	9.4	5	24.3	170.0
L865384		2.98	0.018	1.02	6.99	71.6	400	1.31	0.67	3.10	0.33	13.10	18.0	5	10.15	337
L865385		4.24	1.495	4.42	8.67	2260	340	1.15	0.21	0.38	0.14	25.1	10.7	6	49.7	110.5
L865386		5.91	0.010	0.31	7.97	47.3	1030	1.46	0.19	1.54	0.22	52.1	8.3	11	10.25	42.0
L865387		3.89	0.068	2.17	8.67	369	690	1.26	0.37	0.95	0.99	35.8	27.6	4	32.0	186.0
L865388		4.55	<0.005	0.17	8.21	20.5	1160	1.42	0.24	2.85	0.23	36.6	12.6	6	13.70	38.4
L865389		5.33	0.033	5.11	8.95	240	660	1.49	0.35	0.66	2.00	42.5	16.4	4	30.4	76.1
L865390		3.96	0.017	0.50	8.62	56.2	750	1.22	0.27	1.67	0.27	39.6	17.3	6	20.9	69.9
L865391		5.85	0.009	0.38	8.81	38.5	810	1.19	0.22	1.85	0.32	37.1	14.2	5	20.2	48.3
L865392		6.48	0.065	9.22	8.49	781	670	1.55	0.21	0.73	9.09	33.9	16.7	5	52.4	49.0
L865393		4.80	0.006	0.35	9.12	35.3	350	1.42	0.17	0.77	0.70	36.3	22.5	11	39.0	34.3
L865394		3.77	<0.005	0.18	6.95	21.2	330	1.30	0.15	4.72	0.29	19.15	20.5	10	31.4	35.7

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-JUL-2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118221

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L865359		6.35	20.9	0.13	0.8	0.072	1.85	21.5	29.6	0.77	271	32.1	1.01	6.2	4.5	1000
L865360		4.84	19.15	0.14	0.7	0.097	2.38	22.9	13.6	1.18	351	26.7	1.83	6.2	5.2	830
L865361		4.29	16.40	0.13	1.0	0.123	3.02	24.0	11.1	0.45	359	19.50	1.16	5.2	5.9	580
L865362		5.42	21.3	0.15	0.9	0.058	2.12	24.7	20.5	1.74	1100	2.54	2.65	7.8	4.0	1400
L865363		6.65	21.5	0.15	0.9	0.101	1.61	23.9	28.2	0.46	950	5.33	2.18	7.5	6.8	1450
L865364		5.36	20.9	0.16	0.9	0.072	1.87	21.7	18.1	1.45	980	2.46	2.55	6.9	5.0	1280
L865365		5.69	22.0	0.15	0.8	0.055	1.82	21.6	17.4	0.97	1140	3.40	2.60	7.0	5.3	1170
L865366		5.82	22.3	0.15	0.8	0.050	1.75	20.0	23.7	0.80	1460	3.29	1.67	7.5	6.0	840
L865367		0.50	0.26	0.07	<0.1	<0.005	0.04	0.7	1.4	12.40	204	0.30	0.01	0.2	2.0	190
L865368		6.03	22.3	0.14	0.9	0.060	1.69	20.3	21.4	1.94	1160	2.76	2.58	7.3	6.2	1180
L865369		4.14	20.6	0.11	0.7	0.040	2.10	25.6	25.7	1.28	822	2.34	0.34	7.8	4.5	1040
L865370		3.59	18.50	0.12	1.7	0.037	2.07	26.7	38.1	0.99	1060	1.92	0.41	7.7	4.8	880
L865371		1.98	18.10	0.12	2.2	0.017	2.55	17.7	57.1	0.39	659	1.83	0.05	9.3	6.5	680
L865372		2.97	17.90	0.15	2.5	0.055	3.51	33.5	14.1	0.37	4690	5.99	0.02	9.1	4.7	570
L865373		2.42	15.90	0.13	0.8	0.017	3.44	29.8	25.2	0.27	1070	2.79	0.04	8.8	2.1	430
L865374		2.22	13.85	0.13	0.7	0.010	3.11	28.1	16.0	0.26	299	4.75	0.03	7.6	1.1	290
L865375		2.30	15.95	0.15	0.7	0.007	3.12	31.8	40.3	0.27	719	6.75	0.11	9.1	2.2	700
L865376		5.01	15.05	0.16	1.1	0.277	2.98	28.1	26.0	0.77	1920	14.40	0.15	6.0	15.6	520
L865377		2.01	15.40	0.16	0.7	0.006	2.89	29.0	38.0	0.19	569	4.50	0.05	8.8	1.9	650
L865378		1.87	14.70	0.14	0.7	0.005	2.91	23.0	35.8	0.20	816	5.43	0.04	8.3	1.9	610
L865379		2.12	13.80	0.14	0.6	0.009	3.29	31.8	23.3	0.23	3460	6.82	0.05	7.5	2.4	610
L865380		2.23	15.55	0.15	0.9	0.014	2.98	31.7	33.5	0.26	896	3.26	0.38	8.6	4.0	590
L865381		2.63	16.55	0.16	1.0	0.018	2.66	37.5	37.1	0.27	610	2.42	0.37	8.6	8.8	480
L865382		3.34	16.35	0.12	0.9	0.068	2.91	28.8	22.5	0.31	1110	7.11	0.86	7.4	28.6	630
L865383		3.24	16.75	0.09	0.5	0.082	2.12	16.1	59.4	0.18	1200	8.73	0.05	5.6	2.6	610
L865384		4.52	18.90	0.09	0.5	0.103	1.03	5.3	37.7	0.23	1100	5.63	0.16	5.1	4.1	650
L865385		4.04	18.10	0.12	0.4	0.043	3.13	12.7	21.3	0.27	298	5.84	0.05	4.4	2.4	450
L865386		2.92	15.80	0.15	0.8	0.036	2.09	26.9	24.3	0.60	702	4.40	1.28	6.8	4.1	680
L865387		4.76	17.70	0.15	0.6	0.060	2.42	22.8	27.1	0.38	1100	15.05	0.69	4.7	2.9	620
L865388		3.92	18.25	0.12	0.7	0.056	1.43	16.1	17.9	1.10	793	2.25	2.16	6.2	2.5	670
L865389		3.98	18.30	0.12	0.7	0.035	2.62	23.4	40.5	0.40	2720	5.55	0.32	5.2	2.8	710
L865390		4.28	17.90	0.12	0.8	0.040	2.01	19.3	18.3	0.80	909	2.44	1.32	5.3	2.9	750
L865391		4.10	18.55	0.11	0.7	0.041	1.62	17.9	35.6	0.95	962	2.75	1.39	5.7	3.3	790
L865392		4.65	17.35	0.11	0.7	0.044	2.30	23.9	42.6	0.27	6620	6.95	0.06	4.7	3.6	680
L865393		4.52	18.85	0.10	0.7	0.040	1.70	16.5	41.7	0.29	1740	3.96	0.41	5.5	6.0	730
L865394		4.40	18.65	0.10	0.8	0.041	1.06	6.8	43.1	0.41	1840	2.54	0.20	5.3	5.0	700

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VANCOUVER BC V6B 1L8

Finalized Date: 11- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118221

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L865359		23.1	91.4	0.004	0.09	49.8	15.0	2	3.1	267	0.39	0.06	7.3	0.402	1.24	3.9
L865360		30.2	100.5	0.006	0.16	4.93	12.7	1	3.1	395	0.42	0.09	8.9	0.332	1.26	2.7
L865361		50.1	128.0	0.002	0.23	9.20	7.7	1	4.4	216	0.42	0.10	10.6	0.217	1.78	2.7
L865362		21.6	58.8	<0.002	0.01	1.28	20.7	1	1.5	724	0.50	<0.05	7.0	0.579	0.69	1.5
L865363		16.9	53.6	<0.002	0.07	15.25	17.8	2	1.8	527	0.46	0.08	7.3	0.544	0.55	2.9
L865364		15.4	54.3	<0.002	0.01	2.24	17.7	1	1.7	718	0.44	<0.05	6.8	0.442	0.53	1.8
L865365		16.2	58.7	<0.002	<0.01	4.44	19.6	1	1.5	786	0.45	<0.05	6.4	0.524	0.55	1.6
L865366		15.3	59.4	<0.002	0.02	9.39	20.2	1	1.6	536	0.47	<0.05	6.1	0.540	0.60	1.6
L865367		1.5	1.9	<0.002	0.01	0.20	0.3	1	<0.2	55.3	<0.05	<0.05	<0.2	0.005	0.02	0.6
L865368		15.6	41.5	0.002	0.01	1.99	20.9	1	1.5	805	0.45	<0.05	4.9	0.551	0.45	1.5
L865369		17.9	84.5	<0.002	0.01	6.26	13.5	1	1.5	240	0.56	<0.05	10.2	0.393	0.83	2.0
L865370		46.2	95.6	<0.002	0.04	10.45	10.4	1	1.3	337	0.54	<0.05	8.0	0.329	1.47	3.5
L865371		24.9	84.7	<0.002	0.17	8.64	5.2	1	1.2	279	0.73	<0.05	7.8	0.236	1.79	3.8
L865372		731	180.0	<0.002	0.39	29.8	7.7	2	2.6	192.5	0.66	0.05	11.7	0.273	3.43	4.8
L865373		329	184.5	<0.002	0.12	24.9	4.3	1	2.1	69.5	0.67	0.07	16.2	0.174	2.98	2.5
L865374		606	170.0	<0.002	0.23	35.4	3.4	1	3.3	71.9	0.55	<0.05	13.3	0.157	2.50	2.4
L865375		43.5	163.0	<0.002	0.22	21.5	4.6	1	1.5	130.5	0.70	<0.05	16.9	0.189	2.11	2.2
L865376		478	162.0	0.005	2.65	26.3	8.7	1	5.5	108.0	0.50	0.30	11.3	0.206	2.35	5.2
L865377		35.5	141.0	<0.002	0.13	33.0	4.1	1	1.2	120.5	0.66	<0.05	16.8	0.184	1.75	2.6
L865378		43.4	133.0	<0.002	0.08	20.7	3.8	1	1.2	146.5	0.63	<0.05	14.6	0.173	1.79	2.0
L865379		102.5	158.0	<0.002	0.17	52.3	4.0	1	1.7	54.1	0.57	<0.05	15.3	0.161	2.56	2.3
L865380		24.1	134.5	<0.002	0.13	21.6	5.2	1	1.7	108.0	0.65	<0.05	17.9	0.192	1.78	2.5
L865381		32.4	107.0	<0.002	0.08	22.6	8.0	1	1.5	107.0	0.76	<0.05	23.0	0.232	1.25	3.0
L865382		114.5	124.0	<0.002	0.14	32.2	7.7	1	1.8	164.5	0.62	0.21	15.8	0.236	1.66	3.4
L865383		171.0	117.0	<0.002	0.42	139.0	15.2	1	2.7	196.0	0.36	0.20	5.4	0.350	3.44	2.5
L865384		27.4	29.9	<0.002	0.23	38.3	11.4	1	2.8	83.6	0.37	0.15	2.6	0.369	1.05	1.1
L865385		43.4	186.5	<0.002	0.61	95.8	16.5	<1	2.3	114.0	0.30	<0.05	4.0	0.393	6.04	1.9
L865386		24.8	92.0	<0.002	0.03	10.15	7.2	<1	2.2	209	0.53	<0.05	11.6	0.244	1.33	1.7
L865387		115.0	128.5	<0.002	0.16	27.7	9.7	1	2.8	141.0	0.32	0.08	5.1	0.281	2.99	1.8
L865388		25.6	59.6	<0.002	0.08	2.42	11.4	1	2.1	357	0.46	<0.05	6.4	0.314	1.13	1.3
L865389		138.0	147.0	<0.002	0.08	40.1	10.1	1	2.2	94.5	0.36	<0.05	5.4	0.293	3.20	2.2
L865390		28.2	106.5	<0.002	0.07	6.20	10.2	1	1.5	247	0.38	0.08	5.5	0.301	1.78	1.5
L865391		26.9	79.7	<0.002	0.03	6.43	11.0	1	1.8	270	0.40	<0.05	5.5	0.333	1.35	1.6
L865392		427	132.0	<0.002	0.07	23.7	12.4	2	3.7	105.0	0.34	<0.05	5.1	0.329	2.28	2.5
L865393		26.9	92.9	<0.002	0.01	19.50	15.9	1	1.6	82.7	0.40	<0.05	5.6	0.404	1.52	2.0
L865394		29.0	21.4	<0.002	0.01	18.95	12.4	1	1.6	73.4	0.38	<0.05	2.8	0.394	0.99	1.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118221

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
L865359		145	6.4	15.6	226	17.8
L865360		109	3.3	16.1	130	17.6
L865361		67	6.4	8.5	154	24.9
L865362		176	0.9	24.9	110	22.5
L865363		151	2.1	24.6	108	23.0
L865364		204	0.7	22.0	93	21.8
L865365		170	1.4	22.9	99	19.0
L865366		168	1.3	22.6	99	20.2
L865367		3	0.1	0.8	18	<0.5
L865368		192	1.4	23.0	106	22.5
L865369		128	2.4	16.5	90	15.7
L865370		95	1.8	13.3	119	60.2
L865371		52	1.4	8.1	62	69.6
L865372		64	2.2	14.3	1110	88.4
L865373		33	2.3	9.1	416	22.5
L865374		30	3.0	5.7	176	18.2
L865375		37	2.5	12.7	67	20.3
L865376		67	6.3	11.1	880	28.6
L865377		33	1.9	11.0	51	18.6
L865378		33	2.5	9.7	87	19.4
L865379		35	4.7	11.0	350	16.3
L865380		42	1.9	12.6	74	24.7
L865381		61	1.9	15.9	75	25.3
L865382		61	2.6	14.8	120	25.7
L865383		94	13.7	8.5	86	14.1
L865384		128	2.3	9.7	102	14.9
L865385		146	14.5	7.2	34	11.0
L865386		60	3.2	15.2	60	24.9
L865387		87	2.6	24.9	169	21.0
L865388		94	1.2	18.3	75	23.3
L865389		91	2.3	20.1	267	23.9
L865390		82	1.2	21.0	74	27.9
L865391		92	1.3	18.4	96	22.9
L865392		108	2.8	29.1	829	20.0
L865393		141	2.6	19.5	127	19.5
L865394		135	3.1	13.2	94	24.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118221

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2013
This copy reported on 22-JUL-2013
Account: ROCKHA

CERTIFICATE WH13118222

Project: KLAZA - 41

P.O. No.: Batch 8

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

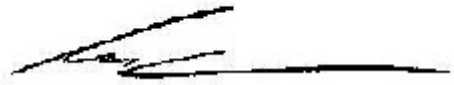
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: **Corrected Copy for Au-AA24 and ME-MS61 on Samples M635501 and M635502**

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118222

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L865395		4.89	0.009	0.34	9.46	37.4	450	1.46	0.19	0.69	0.37	37.5	15.7	9	43.7	42.6
L865396		4.11	0.014	0.46	5.69	58.5	370	1.15	0.15	5.61	0.38	21.2	15.5	3	32.9	34.6
L865397		4.57	<0.005	0.22	8.48	13.0	760	1.28	0.30	2.10	0.20	35.5	13.9	5	22.1	34.0
L865398		3.51	<0.005	0.27	8.46	11.4	660	1.24	0.44	1.35	0.21	25.4	10.2	4	19.90	19.4
L865399		3.05	<0.005	0.24	9.12	15.1	980	0.93	0.50	0.96	0.19	25.8	13.8	4	14.50	42.5
L865400		4.66	<0.005	0.15	10.45	14.0	740	1.30	0.18	0.54	0.27	42.6	15.1	5	15.00	59.8
M635501		1.23	<0.005	0.01	0.12	<5.0	170	0.08	0.03	21.3	0.06	1.25	1.5	<1	0.27	3.8
M635502		7.01	<0.005	0.15	8.81	16.8	860	1.08	0.18	3.02	0.19	30.9	14.5	5	12.45	66.7
M635503		4.18	0.019	0.78	8.87	65.5	610	1.18	0.39	1.27	2.79	32.5	18.0	9	17.40	57.7
M635504		5.10	0.170	10.10	8.69	408	710	1.25	0.34	0.59	5.54	34.3	11.8	8	27.9	42.1
M635505		4.20	0.042	0.58	9.28	108.5	920	1.04	0.21	1.44	1.57	36.3	13.0	6	22.3	25.6
M635506		3.91	0.021	1.26	8.75	57.0	820	1.18	0.20	2.00	1.04	30.5	13.3	6	26.4	61.1
M635507		6.09	0.044	6.67	8.63	262	650	1.38	0.20	0.33	4.38	27.1	13.7	7	31.2	30.3
M635508		4.73	0.025	0.29	8.58	71.6	770	1.07	0.26	2.89	0.42	33.1	17.4	8	12.20	65.6
M635509		4.39	0.010	0.55	8.57	29.7	790	1.08	0.21	2.59	0.54	32.9	13.4	10	13.15	100.5
M635510		4.66	0.006	0.23	8.44	18.5	730	1.10	0.31	2.96	0.34	31.3	11.4	7	20.6	37.9
M635700		0.26	0.341	4.57	6.91	570	330	1.27	3.58	2.20	10.75	48.1	11.9	26	13.10	302
M635512		5.73	0.009	0.26	9.24	16.3	740	1.35	0.49	0.74	0.35	34.7	14.2	8	22.5	46.9
M635513		4.97	0.009	0.25	9.42	11.4	800	1.16	0.47	0.98	0.34	57.9	11.6	5	31.9	29.4
M635514		5.66	0.008	0.41	8.38	19.2	890	1.04	0.57	1.78	0.57	54.1	28.9	29	18.05	138.5
M635515		5.97	0.041	0.96	8.54	30.5	1190	1.09	0.53	1.76	1.15	40.4	24.0	28	15.60	129.0
M635516		4.28	0.022	2.27	9.31	37.2	990	1.20	0.40	1.14	3.24	39.9	18.9	45	19.10	110.0
M635517		7.20	0.008	0.37	9.47	21.6	680	1.21	0.61	0.42	0.81	49.9	31.0	42	20.2	132.0
M635518		6.55	0.007	0.26	8.34	9.7	1190	0.96	0.37	2.95	0.46	36.3	26.4	57	15.90	96.5
M635519		6.54	0.009	0.45	8.14	19.8	1140	1.09	0.43	1.95	0.72	32.8	20.1	50	19.60	61.3
M635520		5.23	0.058	12.20	8.09	455	550	0.78	0.54	0.28	1.64	32.6	3.0	37	45.6	32.4
M635521		5.04	0.009	1.40	9.08	63.3	620	1.09	0.76	0.26	3.20	37.5	19.3	28	21.1	55.8
M635522		5.63	0.234	20.4	8.51	957	560	0.72	0.53	0.26	1.59	35.2	1.0	67	31.8	26.3
M635523		8.29	0.038	1.19	9.36	283	710	1.18	0.68	0.68	4.14	42.9	11.9	33	17.45	84.5
M635524		3.07	0.008	0.43	9.09	48.2	390	1.04	0.32	0.30	1.16	34.1	14.2	5	11.75	46.9
M635525		3.17	0.031	0.62	6.38	152.5	460	1.03	0.46	2.36	2.45	17.75	19.9	17	21.0	63.3
M635526		8.57	<0.005	0.38	8.96	46.2	320	1.24	0.43	0.89	0.82	33.3	19.8	17	23.7	121.5
M635527		3.31	0.022	6.13	9.44	145.5	1040	1.13	1.28	0.76	1.12	43.3	31.4	33	19.40	577
M635528		5.08	0.237	>100	8.95	500	1760	1.33	0.99	0.42	4.91	40.4	21.7	26	22.2	292
M635529		4.14	0.079	20.6	8.15	407	920	1.31	0.50	1.89	10.75	30.9	21.5	57	30.1	103.0
M635530		3.61	0.010	2.55	8.60	20.7	910	1.07	0.26	3.48	0.78	31.2	22.1	73	25.6	80.2

Comments: **Corrected Copy for Au-AA24 and ME-MS61 on Samples M635501 and M635502**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118222

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L865395		4.40	19.55	0.10	0.7	0.050	1.24	17.6	52.5	0.35	1850	5.16	0.32	5.6	5.3	760
L865396		3.63	15.30	0.09	0.6	0.026	1.70	8.6	32.9	0.23	2760	5.11	0.09	4.4	3.3	530
L865397		4.17	18.55	0.11	0.7	0.025	1.52	16.9	26.6	1.12	874	1.88	1.70	5.2	4.2	690
L865398		3.12	18.55	0.11	0.7	0.024	1.55	10.6	27.7	0.90	709	3.23	0.93	5.8	4.2	700
L865399		3.31	18.90	0.10	0.7	0.025	2.13	11.9	31.7	0.83	574	3.95	0.78	5.3	4.5	730
L865400		4.38	21.3	0.12	0.6	0.046	1.74	12.6	39.2	0.62	744	2.37	0.13	6.0	4.4	820
M635501		0.51	0.39	0.07	<0.1	0.007	0.03	0.6	1.2	13.20	227	0.13	0.01	0.2	<0.2	160
M635502		4.81	18.85	0.11	0.7	0.038	1.48	13.0	27.7	1.53	888	1.24	2.08	5.4	4.5	740
M635503		4.75	18.50	0.09	0.9	0.037	1.66	15.1	33.5	0.92	1040	4.61	0.17	5.4	6.2	690
M635504		5.31	17.90	0.13	0.9	0.146	3.16	20.1	16.8	0.71	2060	7.15	0.16	5.0	5.2	620
M635505		4.59	18.50	0.14	1.0	0.036	2.86	19.2	20.4	1.07	1830	4.47	0.70	5.3	4.9	720
M635506		4.41	18.40	0.11	0.9	0.029	2.06	13.9	19.0	0.56	1210	7.00	1.07	5.3	4.2	680
M635507		4.62	17.15	0.12	0.7	0.021	3.14	13.4	19.6	0.35	5030	8.22	0.09	4.8	4.5	610
M635508		4.46	17.45	0.11	0.7	0.035	1.65	15.2	18.4	1.46	1100	1.43	1.70	5.1	5.6	680
M635509		4.49	17.85	0.12	0.8	0.026	1.48	14.6	26.2	1.49	972	1.55	1.52	5.4	7.7	700
M635510		4.34	17.30	0.10	0.6	0.038	1.66	14.2	30.9	1.34	994	2.63	1.56	5.0	4.9	680
M635700		5.10	14.85	0.12	1.1	0.282	3.06	26.0	25.8	0.81	1900	13.65	0.18	5.7	15.2	520
M635512		5.10	18.95	0.11	0.8	0.058	1.34	15.9	44.0	0.37	916	6.71	0.31	5.2	5.3	740
M635513		4.50	19.00	0.13	0.9	0.057	1.74	26.1	33.1	0.62	887	8.38	0.49	5.4	4.2	760
M635514		4.95	17.55	0.13	0.6	0.040	1.34	28.0	24.0	0.62	965	9.17	1.58	5.2	11.3	770
M635515		4.49	17.70	0.10	0.6	0.037	1.56	20.7	20.8	0.58	839	16.70	1.70	5.2	12.4	690
M635516		4.76	18.30	0.10	0.6	0.063	1.41	18.1	31.4	0.90	1080	19.10	0.68	5.7	17.7	820
M635517		5.09	18.75	0.12	0.5	0.093	1.26	24.4	42.5	0.42	1400	20.8	0.14	5.5	19.1	690
M635518		4.69	18.15	0.12	0.6	0.112	1.13	17.4	25.6	1.59	1530	6.53	1.82	5.5	22.8	780
M635519		4.61	18.95	0.13	0.5	0.090	1.30	15.9	22.6	1.10	1460	4.52	1.41	5.7	21.0	750
M635520		4.54	18.70	0.14	0.5	0.059	3.12	18.5	19.4	0.30	690	5.51	0.08	4.5	5.0	480
M635521		5.11	19.30	0.16	0.6	0.054	2.54	19.4	42.4	0.21	4240	6.22	0.52	4.7	12.2	640
M635522		4.64	19.60	0.15	0.6	0.392	3.41	19.5	12.6	0.32	278	13.55	0.05	5.4	2.9	540
M635523		5.53	20.8	0.19	0.6	0.107	2.05	22.1	38.9	0.51	877	8.11	0.48	5.3	9.1	800
M635524		3.91	17.40	0.13	0.8	0.048	1.56	16.0	36.3	0.17	1140	11.10	0.07	5.6	4.5	780
M635525		4.65	15.30	0.13	0.6	0.062	1.99	8.7	56.7	0.21	3220	155.0	0.06	4.7	9.7	600
M635526		4.32	20.5	0.14	0.8	0.066	1.31	16.7	63.3	0.15	1020	46.0	0.06	6.5	9.4	800
M635527		6.50	19.70	0.21	0.5	0.141	2.26	24.7	24.9	0.47	1740	110.0	1.26	5.8	13.2	720
M635528		5.42	19.55	0.16	0.6	0.088	2.26	22.1	68.2	0.37	9200	78.9	0.09	5.4	11.2	750
M635529		5.53	19.70	0.18	0.5	0.075	2.27	14.0	51.3	0.32	7920	12.95	0.25	5.5	22.8	700
M635530		4.81	20.2	0.17	0.5	0.080	1.21	14.9	25.6	1.69	1520	3.14	1.99	6.3	27.8	790

Comments: **Corrected Copy for Au-AA24 and ME-MS61 on Samples M635501 and M635502**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118222

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L865395		28.5	72.8	<0.002	<0.01	18.45	16.4	1	1.7	83.4	0.40	<0.05	5.7	0.406	1.36	1.8
L865396		38.3	63.4	<0.002	0.01	10.60	9.9	<1	1.5	116.5	0.33	0.05	3.1	0.322	1.76	1.5
L865397		21.3	86.2	<0.002	0.03	5.50	14.3	1	1.6	297	0.39	<0.05	5.4	0.379	1.16	1.3
L865398		26.9	88.5	<0.002	0.01	5.81	14.5	1	1.7	172.0	0.41	<0.05	4.9	0.401	1.06	1.5
L865399		23.2	106.0	<0.002	0.02	15.45	14.2	<1	1.7	157.0	0.41	<0.05	5.0	0.420	1.21	1.3
L865400		31.4	78.6	<0.002	0.01	18.90	16.1	1	2.3	55.0	0.46	<0.05	5.9	0.464	0.98	1.4
M635501		0.9	1.3	<0.002	0.01	0.13	0.4	1	<0.2	51.3	<0.05	<0.05	<0.2	0.005	<0.02	0.5
M635502		19.5	49.5	<0.002	0.02	1.90	14.8	1	2.1	384	0.39	<0.05	4.6	0.413	0.88	1.1
M635503		104.0	95.2	<0.002	0.06	20.2	16.2	1	2.7	61.3	0.40	0.06	5.3	0.395	1.25	1.8
M635504		1090	180.0	<0.002	0.11	18.75	16.5	1	7.9	79.1	0.37	<0.05	4.8	0.378	2.97	2.2
M635505		70.6	167.5	<0.002	0.02	6.65	14.4	1	2.8	154.5	0.38	<0.05	5.5	0.389	2.20	1.7
M635506		89.0	100.0	<0.002	0.09	13.65	14.1	1	3.4	221	0.39	0.07	4.9	0.391	2.07	1.5
M635507		755	166.5	<0.002	0.03	24.4	14.1	1	5.6	84.9	0.37	<0.05	5.4	0.362	4.05	2.2
M635508		27.5	73.6	<0.002	0.03	2.14	14.6	1	2.2	360	0.38	0.07	4.9	0.400	1.09	1.1
M635509		48.6	67.0	<0.002	0.06	3.36	14.5	1	2.5	311	0.40	<0.05	5.2	0.394	1.07	1.2
M635510		30.4	81.9	<0.002	0.16	3.55	13.8	<1	2.0	321	0.38	<0.05	4.3	0.387	1.13	1.6
M635700		465	153.5	0.004	2.61	25.8	8.7	1	5.3	107.5	0.46	0.30	10.8	0.214	2.46	5.3
M635512		31.9	69.8	<0.002	0.05	23.6	13.7	1	3.1	81.4	0.39	0.18	5.3	0.403	0.77	1.8
M635513		33.6	102.5	<0.002	0.02	15.05	14.9	1	2.3	121.5	0.41	<0.05	8.4	0.396	1.13	2.5
M635514		35.4	68.1	0.003	0.22	9.32	14.8	1	1.7	298	0.37	0.13	5.1	0.363	0.83	1.4
M635515		54.4	84.7	0.008	0.47	12.25	15.7	1	1.7	289	0.37	0.11	5.5	0.379	1.06	1.3
M635516		237	65.6	0.002	0.03	19.10	19.0	1	2.2	144.0	0.40	0.10	5.5	0.439	0.84	1.4
M635517		63.8	61.6	<0.002	0.01	37.7	19.1	2	2.0	56.3	0.39	0.16	6.1	0.419	0.84	1.8
M635518		43.9	40.2	<0.002	0.07	3.03	19.9	2	1.9	406	0.38	0.15	5.2	0.405	0.84	1.2
M635519		35.9	50.6	<0.002	0.06	8.72	19.3	1	2.0	308	0.38	0.13	4.9	0.398	1.23	1.0
M635520		863	162.0	<0.002	0.28	35.0	15.1	1	13.5	139.5	0.30	0.24	5.1	0.333	4.03	1.4
M635521		85.6	138.0	<0.002	0.08	19.50	17.2	1	2.0	110.0	0.33	0.26	6.1	0.338	2.66	1.8
M635522		1865	171.0	0.008	0.46	42.9	16.2	2	19.1	213	0.36	0.22	5.4	0.392	4.63	1.6
M635523		102.5	116.5	<0.002	0.35	26.6	18.2	2	2.5	128.0	0.36	0.27	6.5	0.369	1.93	2.0
M635524		33.5	79.3	<0.002	0.06	34.2	10.9	1	1.8	32.7	0.41	0.08	6.1	0.331	1.12	1.4
M635525		34.3	75.4	0.013	0.08	45.0	11.2	1	1.6	48.0	0.33	0.10	3.0	0.285	1.67	1.2
M635526		29.3	74.0	0.007	0.23	60.5	14.5	1	1.8	42.1	0.47	0.09	6.1	0.370	1.08	1.8
M635527		150.5	122.5	0.009	0.46	104.5	18.2	3	3.9	202	0.36	0.38	5.9	0.398	2.09	1.6
M635528		>10000	128.5	0.002	0.41	208	17.2	2	5.6	101.0	0.36	0.21	5.7	0.372	2.27	2.3
M635529		436	106.0	<0.002	0.14	52.3	18.9	2	3.0	165.0	0.38	0.13	4.7	0.391	2.56	1.7
M635530		98.2	44.6	0.006	0.52	6.43	20.3	2	1.8	478	0.42	0.11	5.1	0.439	0.98	0.9

Comments: **Corrected Copy for Au-AA24 and ME-MS61 on Samples M635501 and M635502**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118222

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	1	0.001
L865395		141	5.0	18.7	87	22.2		
L865396		115	2.2	13.8	70	19.4		
L865397		134	1.3	18.4	74	22.2		
L865398		122	1.8	15.5	87	20.5		
L865399		137	3.0	15.2	82	19.5		
L865400		161	2.4	16.4	80	18.4		
M635501		4	0.1	0.9	15	<0.5		
M635502		148	1.9	19.8	89	22.5		
M635503		135	4.9	20.9	345	32.3		
M635504		128	2.2	23.0	581	29.4		
M635505		138	1.6	27.9	200	31.4		
M635506		143	2.2	19.7	146	29.1		
M635507		128	2.1	17.9	425	22.2		
M635508		137	1.3	19.4	100	20.5		
M635509		131	5.8	19.8	131	25.5		
M635510		134	1.5	20.9	93	20.8		
M635700		67	5.1	11.3	857	29.0		
M635512		152	4.7	17.7	118	22.5		
M635513		137	4.1	16.8	110	28.3		
M635514		118	1.9	20.0	114	20.8		
M635515		127	1.9	18.1	155	20.5		
M635516		141	2.1	22.5	372	20.8		
M635517		144	2.3	25.2	179	17.5		
M635518		145	6.0	20.8	131	19.1		
M635519		141	2.6	19.5	140	17.3		
M635520		131	4.7	10.1	560	16.1		
M635521		131	3.6	21.3	520	20.8		
M635522		138	6.3	5.7	383	24.6		
M635523		145	2.8	16.3	446	21.8		
M635524		99	3.3	14.2	152	29.1		
M635525		117	2.4	14.2	282	22.4		
M635526		129	2.6	16.5	147	30.5		
M635527		156	2.6	21.8	227	18.1		
M635528		127	3.1	21.1	491	19.1	290	1.750
M635529		152	4.0	19.1	982	14.8		
M635530		153	1.3	19.6	163	15.2		

Comments: **Corrected Copy for Au-AA24 and ME-MS61 on Samples M635501 and M635502**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118222

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- OG62	Au- AA24	ME- MS61	ME- OG62
Pb- OG62			

ALS Canada Ltd.
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2013
Account: ROCKHA

CERTIFICATE WH13118223

Project: KLAZA - 41

P.O. No.: Batch 9

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

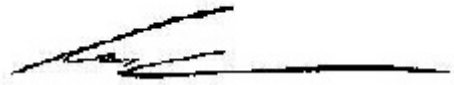
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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VANCOUVER BC V6B 1L8

Finalized Date: 9- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118223

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M635531		4.39	0.024	2.33	8.11	131.0	850	1.18	0.25	2.73	1.61	30.4	20.2	72	35.0	77.0
M635532		4.78	0.010	0.93	8.04	37.1	910	1.20	0.28	2.86	1.02	35.1	21.9	61	18.40	74.6
M635533		6.13	0.446	31.6	7.19	4840	560	1.30	0.26	1.64	16.50	30.8	15.6	24	22.0	59.2
M635534		6.34	0.104	1.51	7.91	248	810	1.28	0.42	3.18	2.03	33.9	17.9	38	15.55	67.6
M635535		5.27	0.016	0.43	7.62	47.4	860	1.25	0.85	2.85	2.62	33.1	28.5	38	12.65	249
M635536		5.85	0.009	0.28	9.35	26.7	730	1.12	0.58	1.83	7.74	32.5	18.3	43	18.25	111.0
M635537		6.84	<0.005	0.11	8.14	11.1	740	1.23	0.28	2.93	8.19	30.5	19.1	35	16.95	33.6
M635538		5.31	0.682	14.25	8.56	1150	600	1.45	0.58	1.10	23.2	36.6	14.9	33	27.9	98.4
M635539		6.09	0.010	0.29	8.26	20.5	740	1.08	0.43	3.41	1.16	33.7	16.7	35	16.70	76.1
M635540		5.63	0.011	0.36	8.35	22.6	680	1.18	0.33	3.80	0.75	36.7	16.8	35	16.85	45.5
M635541		6.75	0.023	0.92	8.02	44.7	850	1.20	0.37	2.46	2.41	33.8	18.3	34	23.7	58.9
M635542		2.02	<0.005	0.01	0.06	<5	40	0.06	0.02	20.3	0.08	1.07	0.7	<1	0.18	4.2
M635543		4.51	0.030	1.14	8.52	80.0	970	1.39	0.28	2.99	1.33	50.6	20.6	49	30.6	44.0
M635544		5.91	0.009	0.36	7.48	30.0	960	1.16	0.29	4.47	0.41	40.9	15.2	44	37.6	36.7
M635545		6.84	0.026	0.72	7.13	72.5	510	1.39	0.45	2.34	0.50	22.7	22.0	35	30.8	91.1
M635546		5.91	0.025	8.55	8.97	104.5	520	1.44	0.34	0.88	2.43	35.3	18.8	26	23.5	48.9
M635547		5.12	0.068	2.27	7.83	118.0	1270	2.06	0.57	1.49	3.69	48.5	11.6	17	25.3	28.2
M635548		5.48	0.088	1.34	7.82	142.5	2850	1.88	0.24	2.95	3.60	50.5	17.1	22	39.4	18.5
M635549		5.91	0.069	1.16	7.02	119.0	1170	1.57	0.18	2.70	1.41	51.2	7.1	18	20.8	11.4
M635550		5.13	0.057	0.94	7.06	63.6	2080	1.58	0.15	2.57	2.56	48.4	8.1	20	17.10	18.1
M635551		4.51	0.223	1.42	6.34	52.1	1290	1.80	0.30	3.57	2.60	39.1	10.2	21	14.15	27.6
M635552		0.26	0.355	4.53	6.99	778	560	1.52	3.81	2.18	11.15	50.5	12.7	25	13.40	340
M635553		6.27	0.068	1.81	8.83	88.6	2380	1.78	0.37	1.61	5.25	47.8	15.3	21	25.3	44.7
M635554		4.69	0.076	2.45	8.46	88.5	2510	1.83	0.48	2.22	13.70	25.9	16.6	17	27.3	46.7
M635555		6.35	0.026	1.70	7.01	56.5	1700	1.47	0.33	2.96	3.11	23.5	15.6	15	17.45	86.4
M635556		6.27	0.015	0.59	8.10	20.0	1950	1.42	0.15	0.84	2.01	46.4	7.6	14	17.30	19.3
M635557		5.06	0.016	0.32	7.34	10.9	2250	1.33	0.03	1.39	0.16	34.7	4.5	8	15.35	6.5
M635558		4.01	0.015	0.42	8.09	13.7	1600	1.51	0.05	0.74	0.34	46.0	5.0	9	20.1	7.6
M635559		5.41	0.009	0.43	7.81	25.5	3150	1.90	0.25	1.93	0.37	36.1	6.7	17	32.5	10.2
M635560		4.58	0.028	0.57	6.76	15.4	1550	1.68	0.09	1.88	0.24	32.1	5.5	10	26.3	18.6
M635561		6.61	0.028	0.36	7.32	21.7	2600	2.16	0.24	2.37	0.12	30.6	7.7	16	30.9	16.5
M635562		3.64	<0.005	0.06	6.65	8.4	1420	1.75	0.23	2.56	0.17	35.7	9.5	24	20.5	16.2
M635563		6.15	<0.005	0.29	8.13	12.4	3300	1.57	0.22	1.38	0.20	55.9	10.1	23	26.2	40.1
M635564		4.28	0.009	0.52	8.58	62.8	2930	2.01	0.94	1.09	0.16	55.2	20.3	28	37.9	45.4
M635565		5.40	1.000	2.99	8.80	71.9	2010	1.93	0.73	1.36	2.98	57.2	16.2	26	41.0	55.6
M635566		4.86	0.061	1.35	7.40	37.5	1370	1.37	0.40	1.71	1.46	12.40	5.0	4	14.60	54.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118223

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M635531		4.61	18.20	0.12	0.5	0.078	1.47	13.9	19.6	0.92	5120	3.83	1.55	5.4	24.0	710
M635532		4.97	18.95	0.13	0.6	0.077	1.40	14.2	27.2	1.46	1900	5.32	1.70	5.7	21.8	750
M635533		5.92	16.35	0.10	0.4	0.062	1.57	13.5	31.1	0.88	12100	6.91	0.21	5.0	14.0	630
M635534		5.22	18.85	0.11	0.6	0.092	1.39	15.6	24.0	1.52	1340	3.58	1.77	5.6	18.0	770
M635535		5.43	18.15	0.11	0.4	0.134	1.30	15.2	27.5	1.59	1560	3.35	1.62	5.4	20.4	750
M635536		5.13	20.7	0.11	0.5	0.126	1.40	16.0	33.8	1.49	1120	2.57	0.23	6.3	20.2	920
M635537		4.56	18.05	0.11	0.5	0.064	1.24	14.6	30.8	1.38	1260	1.83	0.18	5.9	19.7	780
M635538		5.16	18.15	0.13	0.5	0.226	2.62	19.1	29.3	0.57	3680	8.11	0.08	5.5	12.9	790
M635539		4.82	17.65	0.12	0.4	0.078	1.23	16.5	22.4	1.40	1060	1.43	0.88	5.5	16.7	770
M635540		4.30	18.10	0.14	0.5	0.069	1.30	18.3	34.3	1.02	1420	1.13	0.15	5.9	17.1	800
M635541		4.91	17.35	0.13	0.4	0.080	1.49	14.7	34.9	0.79	1980	1.64	0.21	5.6	16.1	780
M635542		0.46	0.19	0.08	<0.1	<0.005	0.02	0.5	1.1	12.80	209	0.25	0.01	0.1	1.8	170
M635543		4.88	18.65	0.14	1.2	0.066	1.41	24.5	26.1	1.10	1680	1.94	1.23	8.2	21.4	1060
M635544		4.31	16.95	0.10	1.2	0.064	1.33	20.2	18.3	1.00	1240	1.34	0.82	7.7	20.4	980
M635545		4.66	17.85	0.10	0.5	0.081	1.62	9.1	105.5	0.23	1780	2.39	0.17	6.1	17.0	730
M635546		4.37	18.45	0.11	0.7	0.051	1.57	17.0	77.3	0.23	2980	3.41	0.05	6.9	12.7	900
M635547		3.43	18.80	0.12	2.2	0.210	3.42	24.6	59.0	0.29	2380	4.21	0.08	8.7	8.6	780
M635548		2.92	20.6	0.14	3.5	0.054	3.41	23.7	76.3	0.28	3420	6.87	0.08	10.8	11.5	1200
M635549		2.75	17.80	0.16	3.7	0.033	3.52	24.0	21.4	0.27	3030	5.11	0.04	10.0	6.6	1100
M635550		2.87	17.80	0.13	3.5	0.034	3.29	23.7	71.8	0.29	1980	3.13	0.10	9.2	7.2	1090
M635551		2.95	17.50	0.13	3.7	0.041	3.33	18.8	78.7	0.26	1730	2.85	0.09	8.3	9.0	960
M635552		5.25	15.30	0.15	1.1	0.310	3.28	28.9	26.8	0.81	2030	14.75	0.16	5.9	14.6	540
M635553		4.29	19.50	0.14	1.8	0.145	3.34	24.0	100.5	0.36	2140	8.80	0.16	8.0	9.5	960
M635554		4.84	19.95	0.11	0.6	0.160	3.14	10.2	132.0	0.30	2730	6.78	0.06	7.1	7.6	900
M635555		3.55	19.25	0.14	2.2	0.077	2.79	9.9	231	0.22	1280	5.29	0.10	7.5	9.0	760
M635556		2.39	18.85	0.13	3.8	0.038	3.10	24.3	126.5	0.21	780	2.17	0.10	7.2	7.6	700
M635557		1.62	17.75	0.13	2.5	0.012	2.81	18.1	288	0.17	543	1.91	0.07	6.3	4.8	480
M635558		1.87	18.35	0.15	2.5	0.017	3.25	26.0	137.0	0.19	718	1.56	0.07	6.1	5.2	520
M635559		1.82	21.2	0.13	3.8	0.026	3.48	17.9	53.0	0.21	726	2.15	0.07	8.7	7.1	740
M635560		1.82	17.15	0.16	3.0	0.017	3.12	16.1	23.5	0.17	782	3.23	0.06	6.1	5.6	530
M635561		2.22	19.65	0.11	4.6	0.019	3.05	14.5	36.2	0.17	847	6.28	0.08	8.1	8.3	740
M635562		3.04	20.1	0.14	4.6	0.030	2.58	16.1	68.0	0.23	609	1.10	0.06	10.2	10.7	1280
M635563		3.05	19.80	0.16	4.4	0.029	2.76	28.3	70.8	0.25	792	1.70	0.05	9.8	10.5	1310
M635564		2.58	20.5	0.13	4.7	0.039	3.10	28.1	37.4	0.20	577	7.77	0.12	10.3	20.3	1580
M635565		2.82	21.2	0.15	4.4	0.172	3.17	28.8	36.2	0.21	865	8.93	0.09	9.7	18.3	1370
M635566		1.74	17.85	0.11	0.3	0.052	2.72	5.4	49.4	0.17	855	8.90	0.05	4.1	2.7	450

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118223

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M635531		97.6	60.3	0.003	0.05	7.92	18.6	2	2.4	405	0.38	0.05	4.5	0.416	1.38	1.0
M635532		51.9	46.1	<0.002	0.09	4.26	18.8	1	2.2	395	0.42	<0.05	4.9	0.415	1.23	1.1
M635533		659	77.8	<0.002	0.05	48.0	13.7	1	5.3	180.5	0.35	<0.05	5.3	0.327	1.67	1.8
M635534		147.5	45.0	<0.002	0.03	4.09	15.3	1	2.6	416	0.41	<0.05	5.2	0.387	1.19	1.0
M635535		106.0	43.9	<0.002	0.05	4.20	15.1	1	3.8	374	0.38	0.21	4.5	0.374	1.10	0.9
M635536		95.6	42.7	<0.002	0.03	11.00	18.1	<1	3.5	93.0	0.47	0.09	4.9	0.439	1.19	0.9
M635537		38.1	33.7	<0.002	<0.01	6.95	15.2	1	1.6	124.0	0.44	<0.05	5.1	0.399	1.01	1.0
M635538		1400	130.0	<0.002	0.08	37.4	16.2	1	4.4	68.9	0.40	0.17	5.3	0.398	2.31	1.6
M635539		53.1	47.1	<0.002	0.03	5.89	15.3	1	2.0	262	0.40	0.13	4.9	0.391	0.96	1.0
M635540		52.7	44.7	<0.002	0.03	12.50	16.0	1	1.8	127.0	0.43	<0.05	5.1	0.405	1.10	0.9
M635541		91.1	46.5	<0.002	0.02	17.75	15.2	1	1.9	129.0	0.40	<0.05	4.1	0.392	1.40	1.0
M635542		1.9	0.9	<0.002	<0.01	0.15	0.2	<1	<0.2	50.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
M635543		83.7	56.6	<0.002	0.02	9.79	16.8	<1	1.8	331	0.56	<0.05	6.1	0.467	1.07	1.4
M635544		29.9	46.0	<0.002	0.01	11.05	14.8	<1	1.5	312	0.53	<0.05	5.3	0.423	1.03	1.2
M635545		37.9	61.0	<0.002	0.06	31.4	13.8	<1	2.1	92.1	0.44	0.08	3.9	0.377	1.68	1.5
M635546		197.0	75.0	<0.002	0.02	29.1	16.8	1	1.9	136.0	0.48	<0.05	5.7	0.439	1.97	2.6
M635547		311	161.5	<0.002	0.04	17.10	9.2	<1	2.5	126.5	0.73	<0.05	9.0	0.304	3.90	4.2
M635548		124.5	150.0	<0.002	0.07	19.05	8.0	<1	1.8	455	0.87	<0.05	8.2	0.343	4.43	3.9
M635549		98.2	144.5	<0.002	0.04	18.45	6.7	<1	1.3	265	0.76	<0.05	8.3	0.327	4.50	3.7
M635550		118.5	134.0	<0.002	0.10	14.20	7.3	<1	1.3	187.5	0.70	<0.05	8.2	0.311	3.87	3.6
M635551		620	113.0	<0.002	0.08	15.05	7.0	<1	1.4	225	0.62	<0.05	7.0	0.312	3.09	3.2
M635552		505	163.0	0.003	2.78	26.7	8.9	1	5.6	109.5	0.53	0.33	11.6	0.214	2.50	5.1
M635553		373	149.5	<0.002	0.12	16.30	14.1	1	2.3	157.0	0.65	0.06	8.6	0.417	3.27	3.5
M635554		349	126.5	<0.002	0.34	19.65	16.2	1	3.0	142.5	0.53	<0.05	4.7	0.523	2.80	2.0
M635555		172.0	85.6	<0.002	0.24	31.3	10.4	1	1.8	280	0.58	<0.05	5.0	0.391	1.99	2.2
M635556		71.6	121.0	<0.002	0.04	12.30	6.9	<1	1.3	245	0.65	<0.05	11.7	0.247	2.10	4.0
M635557		34.3	110.0	<0.002	0.05	3.30	3.9	<1	1.0	196.0	0.64	<0.05	10.3	0.151	1.84	2.6
M635558		42.9	136.5	<0.002	0.03	4.30	4.9	<1	1.1	149.0	0.62	<0.05	13.0	0.160	2.19	3.3
M635559		50.4	132.0	<0.002	0.06	5.40	4.9	<1	1.4	350	0.77	<0.05	9.3	0.253	2.54	3.7
M635560		58.4	115.0	<0.002	0.03	4.40	4.3	<1	1.0	199.0	0.60	<0.05	9.0	0.175	2.15	2.7
M635561		37.1	98.6	<0.002	0.06	11.00	5.2	<1	1.2	360	0.73	<0.05	7.6	0.260	2.02	3.3
M635562		23.9	68.7	<0.002	0.01	11.65	5.7	1	1.4	386	0.74	<0.05	5.2	0.407	1.58	2.2
M635563		26.8	94.7	<0.002	0.07	23.8	7.1	<1	1.3	391	0.72	<0.05	8.5	0.399	1.68	3.2
M635564		32.1	123.0	<0.002	0.07	10.20	7.8	<1	1.3	593	0.73	<0.05	8.2	0.411	5.66	4.9
M635565		601	130.0	<0.002	0.11	17.00	7.8	1	1.8	580	0.76	<0.05	9.5	0.359	4.23	4.6
M635566		139.0	115.0	<0.002	0.09	20.1	4.0	<1	2.3	90.5	0.21	<0.05	1.6	0.143	2.13	0.5

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118223

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M635531		150	1.7	18.1	251	13.6
M635532		151	2.1	19.0	235	17.4
M635533		110	3.3	18.2	1360	11.7
M635534		141	1.6	17.9	293	14.7
M635535		129	3.3	19.6	494	11.5
M635536		149	5.3	17.7	636	13.4
M635537		133	3.4	18.4	861	11.9
M635538		136	4.9	21.7	1540	13.3
M635539		129	2.8	17.2	369	11.5
M635540		137	7.9	22.2	146	12.8
M635541		135	10.9	21.8	293	10.2
M635542		1	0.1	0.7	19	<0.5
M635543		137	5.8	24.6	208	46.8
M635544		119	4.0	21.8	120	43.8
M635545		136	4.6	15.7	131	12.2
M635546		138	8.0	20.2	389	22.8
M635547		80	2.1	13.9	600	71.3
M635548		82	2.9	13.7	437	124.0
M635549		72	2.6	10.9	161	134.5
M635550		74	2.2	12.2	255	132.5
M635551		76	3.4	10.2	365	138.0
M635552		69	5.4	11.5	948	28.8
M635553		124	3.3	16.5	677	60.3
M635554		165	5.3	11.6	851	19.1
M635555		122	3.3	8.8	478	79.5
M635556		60	2.1	12.3	132	136.5
M635557		35	2.1	7.9	66	77.0
M635558		39	1.9	10.8	81	78.1
M635559		54	2.1	8.4	110	133.0
M635560		42	2.6	7.8	81	99.6
M635561		62	3.4	7.9	65	165.5
M635562		82	2.2	7.5	92	175.5
M635563		83	2.1	10.7	99	168.0
M635564		85	1.3	10.5	81	187.5
M635565		83	3.3	11.7	406	170.5
M635566		38	2.2	5.8	233	7.4

***** See Appendix Page for comments regarding this certificate *****

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Project: KLAZA - 41

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 9- JUL- 2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13118223

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2013
Account: ROCKHA

CERTIFICATE WH13118224

Project: KLAZA - 41

P.O. No.: Batch 10

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

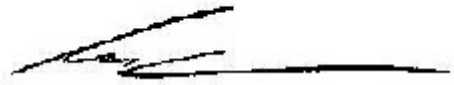
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118224

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M635567		3.03	0.028	0.63	7.21	47.2	1140	1.45	0.28	1.75	0.91	13.55	3.8	5	12.20	41.5
M635568		4.05	0.029	1.31	7.73	88.8	1960	1.66	0.74	0.46	3.61	24.1	16.9	5	11.55	160.5
M635569		4.69	0.132	7.75	7.89	91.3	1440	1.49	1.62	0.17	8.37	29.7	3.9	6	13.95	88.7
M635570		4.60	0.015	0.50	7.90	46.6	1080	1.43	0.22	1.72	0.92	15.65	7.0	5	12.30	80.1
M635571		7.60	0.025	0.70	6.86	66.8	1210	1.44	0.26	2.72	0.92	9.75	15.3	73	32.1	122.0
M635572		5.48	<0.005	0.16	6.68	19.2	1010	1.55	0.13	2.34	0.31	24.2	7.1	26	41.6	22.0
M635573		5.57	0.009	0.19	8.75	25.0	980	2.29	0.14	1.32	0.17	50.6	8.4	31	63.8	31.4
M635574		8.14	<0.005	0.07	5.50	16.4	1560	1.99	0.16	3.22	0.20	35.0	6.2	15	20.9	7.1
M635575		4.58	0.006	0.34	6.62	44.6	970	2.26	0.25	3.16	0.22	32.2	7.4	19	22.2	11.0
M635576		7.11	0.070	0.87	8.58	133.0	770	2.21	0.27	1.38	2.46	50.6	7.0	22	25.1	23.7
M635577		5.49	0.010	0.67	8.32	37.5	1180	1.60	0.23	0.94	1.25	24.3	10.8	62	17.85	65.0
M635578		5.45	0.011	0.52	7.58	33.3	910	1.32	0.22	1.83	0.30	22.8	19.1	57	17.10	67.1
M635579		5.34	0.009	0.42	8.44	68.4	1010	2.10	0.34	1.56	1.08	46.7	11.3	29	30.5	38.7
M635580		7.01	0.024	0.78	8.61	84.7	1420	1.51	0.26	2.58	1.18	21.9	17.6	35	26.0	67.1
M635581		3.57	0.017	0.54	8.86	46.3	890	1.11	0.46	2.61	2.02	21.4	19.1	20	17.35	92.3
M635582		5.32	1.395	27.4	8.56	2380	720	0.99	2.27	0.33	7.62	18.20	2.2	113	31.1	117.5
M635583		3.70	0.058	1.12	8.68	272	1520	1.11	0.25	1.75	9.81	16.70	20.4	32	14.35	74.8
M635584		6.43	0.073	2.68	9.09	242	850	1.67	0.41	0.70	11.45	19.25	18.1	10	22.2	129.0
M635585		7.44	0.021	0.76	8.41	172.5	1140	1.82	0.30	1.69	2.73	37.8	16.9	23	18.15	79.0
M635586		5.04	0.023	0.52	8.34	71.0	990	1.40	0.36	1.75	0.54	22.4	10.4	27	13.45	40.6
M635587		0.25	0.370	4.28	6.89	687	840	1.45	3.47	2.10	10.55	47.3	11.5	24	12.80	301
M635588		4.12	0.115	1.11	7.70	159.0	4510	1.92	0.65	0.32	2.41	37.5	8.9	23	18.65	28.2
M635589		4.28	0.041	1.38	8.66	213	1930	1.73	1.47	0.22	5.30	57.6	10.0	43	15.45	50.1
M635590		3.60	0.019	0.56	7.12	192.0	2520	1.88	0.26	2.00	2.64	42.8	7.8	28	10.80	51.4
M635591		4.61	0.033	0.82	9.01	113.0	1150	1.92	0.70	0.92	2.69	38.6	9.7	27	12.45	89.9
M635592		2.75	<0.005	0.01	0.07	<5	30	0.07	0.03	20.7	0.07	1.23	0.8	1	0.15	2.8
M635593		3.23	0.025	0.81	7.41	60.1	1770	1.58	0.59	2.59	1.36	21.8	8.9	12	8.57	58.9
M635594		4.84	0.022	0.56	7.89	68.6	1940	1.55	0.52	1.11	2.22	32.4	4.7	19	8.04	47.3
M635595		6.15	0.018	0.56	8.59	104.5	2060	1.68	0.47	1.19	1.86	43.7	9.2	8	11.75	53.4
M635596		4.97	0.015	0.54	8.38	153.5	1150	1.78	0.33	0.94	1.78	39.5	7.5	7	17.75	40.8
M635597		3.73	0.016	0.51	7.99	83.8	2730	1.49	0.41	2.41	0.71	32.4	8.2	12	10.55	50.2
M635598		4.42	0.038	0.60	7.59	115.5	1470	1.64	0.31	2.31	0.42	19.55	7.2	7	12.85	59.3
M635599		4.98	0.111	2.09	6.67	199.0	1340	1.49	2.74	2.65	1.19	27.6	8.4	20	12.75	76.9
M635600		4.51	0.058	0.84	8.15	114.5	2020	1.62	1.13	2.10	0.90	35.3	7.9	9	10.85	63.0
M635601		4.56	0.054	0.45	8.52	157.0	4710	1.50	0.40	0.66	0.94	20.1	3.6	7	12.55	21.1
M635602		3.68	0.062	0.58	8.57	92.8	1820	1.57	0.48	1.06	1.89	32.6	6.2	8	9.22	66.5

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Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118224

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M635567		1.77	17.75	0.10	0.2	0.029	2.15	6.0	40.5	0.14	630	4.31	0.92	5.1	2.5	440
M635568		2.67	15.80	0.10	0.1	0.050	2.46	11.4	40.3	0.17	788	80.0	0.05	4.7	4.7	450
M635569		2.25	16.55	0.11	0.2	0.978	3.10	15.2	66.3	0.23	527	92.3	0.07	3.9	2.3	520
M635570		2.26	17.60	0.10	0.2	0.042	2.71	6.7	43.1	0.18	593	8.49	0.85	5.2	3.5	550
M635571		3.90	17.65	0.09	0.4	0.090	2.21	3.8	120.0	0.17	1040	21.8	0.19	3.5	25.6	780
M635572		2.91	18.25	0.10	3.5	0.046	2.49	9.9	44.1	0.15	691	4.74	0.07	9.0	8.3	1200
M635573		2.83	21.3	0.15	4.1	0.072	3.21	24.7	29.2	0.24	880	2.06	0.07	11.0	11.2	1520
M635574		2.23	19.55	0.13	4.1	0.031	2.36	16.8	49.1	0.16	515	1.72	0.41	12.0	6.1	1030
M635575		2.62	18.10	0.10	2.7	0.034	2.92	15.1	23.3	0.22	632	3.55	0.92	9.8	7.9	800
M635576		3.11	19.05	0.13	2.8	0.041	3.38	24.7	36.1	0.28	1440	6.36	0.29	10.1	8.6	820
M635577		3.19	17.20	0.10	0.4	0.171	2.14	11.6	26.4	0.47	870	10.70	1.99	4.6	36.7	510
M635578		3.81	16.10	0.12	0.2	0.076	2.27	9.9	22.0	0.94	892	4.36	1.43	3.1	48.8	530
M635579		3.34	19.20	0.12	2.0	0.051	3.09	23.7	29.2	0.29	1630	12.85	1.07	8.3	12.6	780
M635580		5.08	18.70	0.13	0.7	0.079	2.46	9.2	78.6	0.61	2240	18.00	1.52	4.9	14.9	640
M635581		4.98	18.60	0.12	0.5	0.102	1.29	9.9	17.7	1.32	1120	17.55	2.43	3.3	18.1	680
M635582		7.14	21.0	0.12	0.3	7.87	3.60	8.5	12.4	0.38	322	24.7	0.26	2.2	15.0	710
M635583		5.85	17.50	0.11	0.4	0.337	1.62	6.9	17.9	0.83	2660	5.86	1.95	2.2	23.9	730
M635584		4.96	18.35	0.10	0.3	0.396	2.62	8.3	35.8	0.29	2340	13.35	0.88	3.2	9.2	570
M635585		3.71	18.75	0.14	1.5	0.090	2.31	18.4	118.5	0.24	1390	29.1	0.95	6.7	12.9	720
M635586		3.52	18.45	0.09	0.4	0.073	1.87	9.5	99.3	0.17	942	7.53	1.16	5.3	7.5	730
M635587		4.99	14.35	0.12	1.1	0.298	2.99	27.5	26.6	0.78	1860	14.95	0.15	5.7	13.7	500
M635588		3.58	17.75	0.12	1.7	0.078	3.36	18.4	18.0	0.32	2620	5.74	0.21	7.6	10.2	800
M635589		4.12	19.45	0.11	2.2	0.232	2.95	29.9	28.1	0.25	1150	15.80	0.27	10.9	9.9	1090
M635590		2.98	17.85	0.12	3.5	0.055	2.44	21.1	48.6	0.25	808	6.43	0.25	10.7	9.7	1090
M635591		3.92	20.7	0.12	0.6	0.089	2.24	19.1	135.0	0.20	940	26.7	0.28	6.4	7.8	980
M635592		0.47	0.17	0.10	<0.1	0.014	0.02	0.6	1.6	12.75	214	0.26	<0.01	0.1	1.7	190
M635593		3.35	20.0	0.11	0.3	0.079	2.04	8.8	165.5	0.22	988	13.55	1.16	5.3	3.6	1050
M635594		3.18	18.60	0.10	0.2	0.101	2.25	17.7	67.6	0.18	920	10.30	1.65	4.0	4.8	650
M635595		3.78	19.90	0.11	0.3	0.086	2.10	23.1	32.4	0.26	1200	8.54	1.57	5.5	4.6	940
M635596		3.00	19.90	0.09	0.2	0.060	2.10	20.9	33.2	0.24	1300	4.08	1.17	4.9	3.7	730
M635597		3.22	19.25	0.10	0.3	0.066	1.88	15.7	11.4	0.37	1140	8.83	2.80	5.0	3.2	790
M635598		2.57	19.25	0.09	0.2	0.048	2.29	7.5	12.7	0.20	1400	18.85	2.38	4.9	2.5	720
M635599		2.99	18.50	0.09	1.6	0.078	2.52	13.1	22.5	0.20	1100	32.8	1.38	6.4	6.6	640
M635600		3.06	19.40	0.08	0.4	0.052	1.91	16.6	59.4	0.23	948	14.25	2.58	6.3	3.5	850
M635601		1.94	18.85	0.08	0.2	0.077	2.97	8.9	15.0	0.29	1710	19.90	1.83	5.1	2.4	500
M635602		2.15	20.6	0.10	0.3	0.059	2.60	15.9	27.5	0.22	1420	5.18	2.51	6.6	3.0	740

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M635567		60.3	87.1	<0.002	0.10	12.25	4.0	1	1.4	117.0	0.27	0.05	2.1	0.136	1.78	0.5
M635568		59.5	116.5	<0.002	0.10	56.5	4.3	<1	1.9	55.1	0.30	0.10	3.3	0.122	1.76	0.9
M635569		1795	143.0	<0.002	0.14	22.0	5.7	1	7.4	105.0	0.19	0.14	3.2	0.132	2.56	0.9
M635570		23.7	112.5	<0.002	0.08	19.65	5.2	1	1.8	186.0	0.25	<0.05	2.3	0.150	2.23	0.6
M635571		63.9	79.1	<0.002	0.12	31.3	14.4	1	3.4	114.5	0.19	0.05	1.4	0.317	1.82	0.9
M635572		28.2	84.1	<0.002	0.03	12.05	5.1	<1	1.3	207	0.57	<0.05	3.6	0.361	1.95	1.2
M635573		20.1	138.5	<0.002	0.01	6.47	9.4	1	1.9	288	0.70	<0.05	7.4	0.417	2.50	2.4
M635574		13.9	72.6	<0.002	0.03	3.80	4.1	1	1.5	369	0.80	<0.05	6.9	0.319	1.56	2.3
M635575		29.3	98.7	<0.002	0.04	6.32	5.5	<1	1.5	218	0.78	<0.05	5.9	0.283	2.12	3.1
M635576		302	138.5	<0.002	0.01	19.30	8.0	1	1.7	140.0	0.81	<0.05	10.2	0.286	2.37	4.4
M635577		52.8	107.5	0.002	0.04	12.45	10.1	1	3.3	313	0.27	0.05	3.7	0.204	1.72	1.3
M635578		14.1	134.5	<0.002	0.25	4.40	15.1	1	2.7	325	0.16	0.11	2.3	0.309	2.04	0.8
M635579		33.0	147.5	<0.002	0.01	6.91	13.0	1	1.9	236	0.63	<0.05	8.3	0.323	2.55	3.9
M635580		62.6	101.5	<0.002	0.12	5.74	18.1	1	2.6	358	0.32	0.05	3.5	0.361	2.27	1.6
M635581		51.3	75.5	0.002	0.11	2.35	17.0	<1	4.7	487	0.20	0.19	1.9	0.337	1.14	1.0
M635582		5330	209	<0.002	0.91	29.4	17.9	2	14.6	181.5	0.15	0.29	1.2	0.345	3.27	0.9
M635583		293	85.2	<0.002	0.20	7.52	19.6	1	2.6	439	0.17	0.05	1.3	0.359	1.54	0.9
M635584		588	143.0	<0.002	0.10	24.3	16.1	1	3.6	184.5	0.18	0.10	2.2	0.306	2.30	1.3
M635585		96.3	108.0	<0.002	0.06	21.1	11.8	1	2.5	222	0.46	0.05	5.7	0.309	1.77	2.3
M635586		39.8	80.4	<0.002	0.19	14.35	12.3	1	2.2	187.0	0.27	0.09	2.9	0.315	1.52	1.0
M635587		458	157.5	0.004	2.61	25.8	8.7	1	5.3	105.0	0.47	0.33	11.2	0.203	2.36	5.0
M635588		66.4	158.0	<0.002	0.20	14.45	7.7	1	2.9	148.0	0.50	0.11	6.8	0.242	3.20	3.4
M635589		99.0	142.5	<0.002	0.37	11.10	8.0	1	3.7	420	0.58	0.37	7.7	0.359	2.39	3.0
M635590		109.5	77.9	<0.002	0.16	15.20	6.6	1	1.5	272	0.71	<0.05	6.8	0.323	1.57	3.2
M635591		38.2	94.2	<0.002	0.11	18.60	11.6	1	3.6	114.0	0.33	0.08	5.5	0.275	1.48	2.0
M635592		1.8	1.1	<0.002	0.02	0.09	0.2	<1	<0.2	50.4	<0.05	<0.05	<0.2	<0.005	<0.02	1.0
M635593		48.8	75.8	<0.002	0.35	17.45	7.7	1	2.3	186.0	0.24	0.19	3.0	0.227	1.50	1.0
M635594		71.2	111.5	<0.002	0.33	6.17	8.1	1	3.1	168.5	0.20	0.15	4.3	0.168	1.58	1.1
M635595		61.7	100.5	<0.002	0.19	10.55	9.5	1	2.4	247	0.29	0.11	5.4	0.230	1.38	1.2
M635596		55.9	102.5	<0.002	0.04	13.20	9.8	1	1.7	159.0	0.21	<0.05	5.3	0.194	1.48	1.0
M635597		46.5	88.6	<0.002	0.47	2.66	8.8	1	2.8	494	0.25	0.09	4.5	0.230	1.39	0.9
M635598		37.8	90.1	<0.002	0.21	7.41	7.5	1	2.1	343	0.25	0.09	3.8	0.192	1.75	0.9
M635599		70.7	97.6	<0.002	0.38	7.22	7.5	1	2.3	299	0.44	0.29	6.2	0.229	1.85	1.8
M635600		33.9	85.0	<0.002	0.37	3.16	9.0	1	2.1	517	0.35	0.16	5.1	0.235	1.35	1.1
M635601		64.6	131.0	<0.002	0.20	4.08	3.5	1	2.6	289	0.24	0.07	2.3	0.136	1.92	0.9
M635602		47.0	111.5	<0.002	0.26	3.77	7.7	1	2.2	372	0.40	0.09	4.4	0.201	1.61	1.1

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118224

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M635567		35	1.5	6.3	121	4.5
M635568		37	2.0	8.8	499	4.1
M635569		40	2.1	8.0	654	4.8
M635570		42	1.5	7.6	107	5.3
M635571		134	3.5	8.3	107	12.5
M635572		78	1.3	5.9	96	140.0
M635573		93	0.8	11.5	112	166.5
M635574		88	0.9	6.5	81	169.5
M635575		65	1.4	8.6	77	91.4
M635576		67	1.7	12.5	397	88.6
M635577		76	1.7	11.2	218	11.1
M635578		92	1.6	15.7	109	4.1
M635579		103	1.6	14.2	191	61.9
M635580		141	2.1	13.1	176	22.0
M635581		148	2.8	15.9	323	11.7
M635582		149	5.2	5.4	1180	7.8
M635583		139	2.2	17.5	1350	6.4
M635584		112	2.6	16.0	840	6.0
M635585		98	3.1	14.8	285	50.9
M635586		83	3.1	12.4	117	12.2
M635587		64	5.0	11.2	850	28.4
M635588		60	3.5	10.7	299	60.1
M635589		70	2.9	13.3	508	89.0
M635590		68	1.9	11.3	282	134.0
M635591		88	6.0	14.9	251	16.3
M635592		2	0.1	0.8	19	0.5
M635593		65	1.9	11.0	186	6.6
M635594		57	1.9	9.9	268	5.6
M635595		79	2.5	15.5	235	7.3
M635596		59	2.7	16.0	230	6.6
M635597		70	2.2	11.8	105	7.4
M635598		64	3.0	9.4	91	5.2
M635599		70	6.4	8.9	156	53.4
M635600		68	3.2	15.3	140	9.1
M635601		35	2.5	7.0	189	6.3
M635602		59	2.5	11.8	227	6.8

***** See Appendix Page for comments regarding this certificate *****

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 13- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118224

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

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Finalized Date: 12-JUL-2013
Account: ROCKHA

CERTIFICATE WH13118225

Project: KLAZA - 41

P.O. No.: Batch 11

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

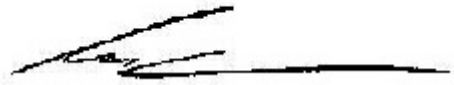
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 12- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118225

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
M635603		4.66	0.066		1.28	9.23	228	1360	1.72	1.54	0.22	2.33	19.45	2.3	4	15.05
M635604		1.72	<0.005		0.03	0.08	9	110	0.07	0.05	22.1	0.08	1.43	1.1	1	0.23
M635605		5.93	0.042		0.58	8.34	61.3	1850	1.57	0.46	0.84	4.36	8.95	3.4	4	7.38
M635606		2.39	0.029		0.30	8.28	84.6	1580	1.45	0.25	0.46	2.08	13.35	6.1	4	5.77
M635607		5.94	0.044		1.28	8.53	100.5	2390	1.47	0.98	1.10	1.30	37.7	6.7	13	9.70
M635608		5.23	0.037		1.19	9.18	146.0	2360	1.71	0.99	0.18	2.65	21.7	1.9	10	10.70
M635609		0.26	0.933		10.75	6.70	1355	780	1.23	10.80	1.94	29.9	42.1	16.0	19	12.95
M635610		4.65	0.018		0.39	8.67	239	2160	1.70	0.63	0.24	3.19	27.1	6.3	7	8.27
M635611		4.21	0.038		1.32	8.01	174.5	1300	1.29	3.67	0.13	1.03	27.2	1.7	13	14.00
M635612		3.21	0.023		0.47	8.80	402	1030	2.39	0.59	1.37	6.55	78.8	10.6	34	14.00
M635613		7.60	0.101		3.92	7.44	356	1030	1.32	14.25	0.15	0.45	15.70	0.9	9	16.20
M635614		5.11	0.013		0.46	8.70	212	890	1.56	0.72	0.31	2.44	12.75	3.5	5	7.07
M635615		5.38	0.015		0.53	8.50	293	2490	1.64	0.68	1.43	2.74	27.7	9.6	82	9.61
M635616		4.09	0.074		1.81	8.36	793	1630	1.36	4.50	1.98	2.43	52.1	12.8	166	12.35
M635617		5.82	0.198		3.80	7.48	1990	1300	1.04	4.46	0.33	0.68	55.8	6.4	197	30.5
M635618		5.58	0.781		16.95	9.59	915	1060	1.41	17.40	0.17	0.36	49.5	1.2	42	21.5
M635619		4.70	>10.0	19.75	>100	12.00	>10000	1780	1.32	138.5	0.21	1.09	17.15	0.2	12	10.40
M635620		5.11	0.600		1.15	8.51	344	1270	1.77	1.48	0.75	3.67	33.7	7.8	9	8.78
M635621		5.08	0.082		1.50	8.41	170.5	1190	1.69	1.97	0.66	6.81	46.1	10.0	127	12.55
M635622		8.24	0.045		1.04	8.69	99.8	1650	1.60	1.51	1.65	2.69	45.8	13.4	33	11.55
M635623		4.08	0.061		1.67	8.91	159.5	1170	1.92	1.09	0.70	4.30	25.7	5.3	9	9.56
M635624		6.92	0.096		1.08	8.86	461	1200	1.70	1.25	0.47	4.09	27.0	4.8	9	13.20
M635625		3.21	0.032		0.79	9.16	134.5	750	1.64	0.72	1.66	4.15	47.4	17.2	142	9.38
M635626		3.29	0.024		0.73	8.02	95.7	1790	1.58	0.65	2.17	1.95	27.9	10.8	90	9.07
M635627		6.75	0.064		1.12	8.23	106.5	1310	1.66	0.94	1.05	3.84	25.1	5.1	7	9.28
M635628		3.97	0.076		0.85	8.01	230	2250	1.80	1.27	0.41	9.43	55.5	5.9	5	10.35
M635629		8.86	0.023		0.47	8.08	95.8	2000	1.96	0.52	2.16	8.57	36.3	12.5	16	9.31
M635630		4.99	0.117		8.47	8.43	580	1280	1.96	0.83	0.67	19.20	42.2	14.2	29	18.05
M635631		3.77	0.059		1.40	9.76	496	880	2.21	1.39	0.31	5.74	76.6	5.8	23	23.8
M635632		5.78	0.959		11.55	7.91	644	890	1.27	9.41	0.08	0.85	37.0	0.5	59	10.30
M635633		4.02	0.179		2.08	7.41	1385	920	1.31	2.07	0.20	2.26	58.6	3.0	11	16.65
M635634		4.90	0.039		0.40	8.19	424	1230	1.91	0.42	1.06	7.58	45.5	12.2	9	9.09
M635635		3.84	0.032		0.24	7.47	223	2080	1.93	0.40	2.44	3.82	48.0	6.5	13	17.85
M635636		5.15	0.030		0.33	8.04	567	1840	1.70	0.42	0.98	3.07	58.0	10.8	11	17.20
M635637		5.92	0.034		0.46	7.87	300	1070	1.55	0.53	1.07	1.93	52.4	11.2	13	10.25
M635638		4.50	0.045		0.51	8.57	366	870	1.70	0.56	0.66	5.46	61.4	11.6	12	20.8

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Finalized Date: 12- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118225

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
M635603		146.0	2.37	17.00	0.09	0.3	0.218	3.88	9.3	17.7	0.33	491	8.49	0.63	3.8	1.6
M635604		2.3	0.53	0.28	0.05	<0.1	0.005	0.04	0.7	1.1	13.80	239	0.09	0.01	0.2	2.2
M635605		53.7	1.33	18.25	0.09	0.3	0.089	3.18	4.7	6.9	0.26	2310	10.35	1.76	4.1	2.0
M635606		39.3	1.95	17.20	0.12	0.2	0.041	2.46	6.7	7.1	0.26	1820	4.05	2.73	4.9	2.4
M635607		70.4	2.51	20.3	0.13	0.4	0.064	2.28	19.4	41.2	0.24	842	3.53	2.94	5.9	4.2
M635608		149.0	3.10	20.3	0.13	0.3	0.186	2.49	11.1	43.6	0.22	194	8.73	1.40	5.1	3.7
M635609		297	6.79	14.15	0.17	1.0	0.725	3.08	22.0	18.3	0.79	1920	8.54	0.13	5.9	11.3
M635610		149.0	2.25	19.00	0.11	0.2	0.099	2.39	14.2	30.2	0.19	410	7.76	2.73	4.7	3.4
M635611		66.1	2.55	19.90	0.13	0.8	0.414	3.88	13.4	18.8	0.30	110	2.74	0.08	5.3	2.4
M635612		277	4.28	22.3	0.22	3.3	0.216	3.29	41.5	53.1	0.30	1360	4.83	0.18	11.0	15.7
M635613		113.5	2.98	18.60	0.13	0.5	0.806	3.29	7.7	22.6	0.26	126	3.75	0.06	4.6	1.7
M635614		112.5	1.91	18.75	0.10	0.2	0.098	2.30	6.5	21.8	0.16	459	2.01	2.39	4.1	1.7
M635615		170.0	3.54	20.1	0.15	0.4	0.303	2.30	14.0	14.8	0.90	849	3.86	2.93	5.4	14.9
M635616		129.0	5.70	20.2	0.21	1.0	0.394	2.57	27.6	12.2	1.78	1100	5.43	1.61	8.1	43.6
M635617		360	8.55	20.5	0.26	0.8	0.901	3.27	28.5	21.4	0.36	218	3.56	0.28	7.2	27.1
M635618		76.1	4.18	25.0	0.18	0.4	0.423	4.70	24.7	6.6	0.39	148	2.03	0.12	10.3	4.1
M635619		128.5	5.46	35.6	0.21	0.4	3.15	5.06	8.3	2.6	0.35	110	1.84	0.11	9.4	0.6
M635620		111.5	2.61	21.9	0.13	0.3	0.102	2.30	17.2	21.7	0.26	658	4.69	3.00	8.3	4.0
M635621		46.7	4.08	20.4	0.19	0.8	0.196	2.58	19.4	26.2	0.67	1120	4.66	0.94	6.5	29.5
M635622		76.2	3.91	21.0	0.20	0.8	0.273	2.49	22.6	15.9	0.99	1100	5.27	2.36	7.8	11.8
M635623		58.5	2.22	21.9	0.14	0.4	0.919	2.47	12.3	46.3	0.35	685	8.43	1.49	6.4	3.1
M635624		75.4	3.31	21.5	0.14	0.3	0.324	2.43	14.1	25.4	0.25	525	18.95	2.22	6.3	3.6
M635625		158.0	6.29	26.4	0.22	0.7	0.198	1.24	16.6	18.4	1.64	1260	36.8	1.44	11.4	25.7
M635626		81.3	3.30	18.45	0.11	0.5	0.137	2.13	12.9	25.0	0.94	1550	26.3	2.34	5.3	30.1
M635627		72.5	2.57	18.25	0.15	0.3	0.130	2.93	12.9	12.4	0.26	1600	17.85	1.27	4.8	3.3
M635628		61.1	2.93	17.40	0.16	0.8	0.066	3.29	29.6	35.2	0.27	1390	8.52	0.84	7.5	3.2
M635629		80.6	4.28	19.30	0.11	0.5	0.108	2.22	16.8	13.2	0.91	1380	16.00	2.66	6.3	5.5
M635630		113.5	4.88	20.4	0.13	0.5	0.127	2.63	22.8	21.3	0.48	2270	15.65	0.95	6.7	9.5
M635631		184.0	6.40	24.3	0.17	0.4	0.327	2.82	37.4	91.7	0.34	441	23.5	0.28	10.8	8.1
M635632		13.0	2.35	19.95	0.13	0.6	0.420	4.06	20.2	7.8	0.30	134	11.60	0.06	5.9	0.8
M635633		83.3	5.85	17.15	0.15	0.6	0.321	3.31	30.4	17.5	0.26	249	10.35	0.18	8.5	2.4
M635634		48.9	4.06	16.90	0.12	0.8	0.104	2.84	25.7	17.2	0.62	1020	6.37	1.48	9.6	6.2
M635635		19.1	2.77	18.00	0.12	2.9	0.053	2.64	25.2	24.6	0.59	508	2.60	1.82	9.9	4.9
M635636		33.5	3.87	17.15	0.14	0.7	0.068	2.72	30.4	27.1	0.55	910	6.67	1.71	9.0	5.0
M635637		65.9	3.50	16.45	0.12	0.7	0.084	2.75	28.8	15.1	0.94	977	5.30	1.84	8.4	4.5
M635638		64.0	3.61	17.80	0.12	0.7	0.080	3.00	32.9	23.8	0.29	1660	7.79	1.30	8.9	5.3

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Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118225

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M635603		520	187.0	147.5	<0.002	0.10	5.15	4.9	1	10.2	98.2	0.23	0.13	2.6	0.132	2.39
M635604		200	2.8	1.8	<0.002	<0.01	0.08	0.3	1	<0.2	57.5	<0.05	<0.05	<0.2	<0.005	0.02
M635605		250	71.1	124.0	<0.002	0.08	2.52	2.6	1	1.8	175.5	0.20	0.07	2.2	0.076	1.89
M635606		420	32.9	103.0	<0.002	0.12	2.05	4.0	1	1.2	269	0.23	<0.05	2.4	0.115	1.44
M635607		870	65.5	105.0	<0.002	0.42	3.65	8.7	1	2.8	515	0.33	0.46	5.8	0.222	1.66
M635608		550	295	109.0	<0.002	0.09	7.94	7.8	1	2.4	172.5	0.25	0.17	3.9	0.174	1.74
M635609		530	1330	158.5	<0.002	4.71	59.0	8.7	2	7.3	93.7	0.50	1.53	10.7	0.218	2.28
M635610		610	31.0	104.0	<0.002	0.10	4.60	4.5	2	1.1	329	0.21	0.18	4.2	0.153	1.57
M635611		340	126.0	175.0	<0.002	0.48	14.90	4.8	2	12.9	173.5	0.31	0.23	4.3	0.173	3.69
M635612		1100	71.9	146.5	<0.002	0.11	13.30	9.3	2	1.8	269	0.84	0.12	12.7	0.308	2.46
M635613		360	223	149.0	<0.002	0.45	78.7	3.4	3	6.0	136.5	0.23	2.32	2.8	0.120	3.00
M635614		400	81.3	98.7	<0.002	0.08	9.54	3.0	1	0.9	283	0.16	0.20	2.1	0.106	1.58
M635615		750	33.1	101.5	<0.002	0.10	3.60	13.5	1	1.9	561	0.29	0.28	4.3	0.227	1.32
M635616		800	111.0	131.0	<0.002	0.40	7.71	20.2	3	3.6	439	0.59	2.89	11.0	0.441	1.81
M635617		1050	341	163.0	<0.002	1.44	21.7	16.3	3	11.2	358	0.54	4.81	13.5	0.402	2.81
M635618		680	448	230	<0.002	0.79	12.85	17.8	3	11.6	350	0.79	1.25	8.6	0.297	4.26
M635619		890	715	185.0	<0.002	1.12	15.35	13.3	13	27.0	282	0.56	8.83	3.1	0.246	7.00
M635620		690	52.3	93.4	<0.002	0.16	2.82	8.8	1	2.2	450	0.54	0.26	4.9	0.198	1.31
M635621		720	117.5	106.0	<0.002	0.09	8.84	15.0	2	7.7	182.5	0.46	0.22	8.1	0.329	1.76
M635622		680	116.0	103.0	<0.002	0.26	4.79	13.9	1	3.5	409	0.58	0.19	10.9	0.321	1.33
M635623		620	135.5	99.7	<0.002	0.10	7.70	8.8	1	3.4	202	0.37	0.11	4.4	0.207	1.39
M635624		580	103.0	99.9	<0.002	0.21	9.49	7.3	1	2.5	352	0.36	0.07	4.0	0.186	1.51
M635625		1370	51.5	45.4	<0.002	0.04	9.02	27.3	2	8.8	308	0.61	0.16	4.5	0.559	0.76
M635626		700	93.5	80.5	0.003	0.29	4.63	12.9	1	3.4	452	0.34	0.12	3.8	0.285	1.32
M635627		540	143.0	137.5	<0.002	0.16	6.54	6.5	1	3.0	212	0.27	0.08	5.1	0.157	2.00
M635628		440	85.5	123.5	<0.002	0.04	6.75	7.7	1	2.4	160.0	0.66	0.06	15.2	0.168	1.58
M635629		1280	41.2	76.9	0.002	0.24	3.68	15.4	1	2.4	636	0.39	0.08	4.9	0.320	1.03
M635630		940	2330	113.5	<0.002	0.23	22.5	14.1	2	9.8	273	0.39	0.29	7.0	0.290	2.13
M635631		1220	167.0	149.0	<0.002	0.34	27.8	21.0	2	6.4	248	0.55	0.32	7.9	0.411	2.64
M635632		240	1460	224	<0.002	0.65	60.8	8.8	2	14.3	125.5	0.44	0.36	4.7	0.249	3.75
M635633		580	211	171.5	<0.002	0.68	37.1	11.0	1	6.2	193.0	0.77	0.11	17.6	0.259	2.45
M635634		610	40.8	115.5	<0.002	0.04	4.85	12.7	1	2.0	240	1.02	<0.05	15.8	0.300	1.27
M635635		810	32.6	93.6	<0.002	0.05	5.31	7.5	1	1.6	396	0.79	<0.05	11.7	0.281	1.08
M635636		620	35.1	119.0	<0.002	0.04	5.91	12.4	1	2.2	246	0.77	0.06	15.0	0.314	1.41
M635637		600	53.4	129.0	<0.002	0.09	2.99	11.5	2	2.1	227	0.77	0.07	16.0	0.305	1.53
M635638		630	44.8	147.0	<0.002	0.03	6.49	12.0	1	4.2	150.5	0.74	<0.05	17.5	0.323	2.13

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118225

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	1
M635603		1.2	45	2.2	8.2	305	6.8	
M635604		0.6	3	0.1	0.9	23	<0.5	
M635605		0.6	28	1.7	7.1	289	7.4	
M635606		0.9	28	1.5	8.9	307	6.5	
M635607		1.3	63	1.6	13.3	157	12.9	
M635608		1.3	55	2.6	7.6	519	6.8	
M635609		4.9	63	5.7	10.9	2480	27.7	
M635610		1.3	39	1.2	10.6	258	5.6	
M635611		1.5	49	3.5	4.3	123	29.5	
M635612		5.4	74	1.6	18.6	454	115.0	
M635613		1.1	32	2.7	3.2	123	17.9	
M635614		0.8	24	0.8	6.5	219	5.4	
M635615		1.2	77	1.0	14.1	287	8.8	
M635616		1.8	150	2.5	18.1	392	29.4	
M635617		2.3	147	3.1	10.0	682	26.2	
M635618		1.5	89	4.8	9.2	184	10.7	
M635619		1.3	65	8.2	3.7	35	9.4	148
M635620		1.8	56	1.6	17.0	310	7.5	
M635621		2.5	115	3.9	16.5	569	21.9	
M635622		2.0	107	2.9	18.4	318	26.1	
M635623		1.6	61	1.9	12.1	398	10.9	
M635624		1.3	52	1.9	12.4	445	7.8	
M635625		2.2	201	5.3	25.2	673	16.1	
M635626		1.3	102	1.8	13.5	263	13.0	
M635627		1.2	47	1.8	10.0	326	7.0	
M635628		2.2	35	1.4	15.8	924	19.2	
M635629		1.5	125	1.7	17.6	559	9.0	
M635630		2.1	128	3.4	17.3	1520	11.0	
M635631		3.1	148	2.7	15.3	1300	8.7	
M635632		1.0	82	6.0	4.5	57	14.1	
M635633		2.5	89	2.2	10.5	789	13.9	
M635634		3.0	98	1.2	19.7	688	16.6	
M635635		2.7	67	1.0	13.0	182	108.5	
M635636		2.3	100	1.7	18.4	371	16.6	
M635637		2.2	94	1.7	16.7	265	16.7	
M635638		2.9	97	1.6	19.4	458	13.9	

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118225

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- OG62	Au- AA24	Au- GRA22	ME- MS61
ME- OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2013
Account: ROCKHA

CERTIFICATE WH13118226

Project: KLAZA - 41

P.O. No.: Batch 12

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Finalized Date: 15- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118226

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M635639		6.99	0.798	5.23	7.26	602	590	1.09	12.50	0.19	1.36	41.8	4.0	9	19.00	170.5
M635640		4.37	0.050	0.51	8.07	224	1360	1.44	1.00	1.24	6.33	54.5	14.5	9	8.14	105.0
M635641		4.92	0.257	3.94	7.48	753	810	1.37	6.95	0.31	3.94	53.4	6.1	9	18.40	148.0
M635642		3.68	0.032	0.39	7.73	243	1210	1.47	0.57	1.35	5.16	49.2	16.0	11	7.65	88.9
M635643		4.70	0.028	0.26	8.01	424	1240	1.44	0.38	0.88	5.57	54.5	13.3	9	10.75	69.3
M635644		5.70	0.139	0.99	8.00	370	1090	1.49	1.29	1.13	4.51	52.3	11.5	9	11.20	43.0
M635645		4.79	0.231	3.93	6.71	862	790	1.17	4.76	0.53	5.58	42.2	8.1	7	18.85	174.0
M635646		2.09	<0.005	0.02	0.08	<5	30	0.06	0.03	20.4	0.09	1.27	0.7	1	0.19	2.9
M635647		5.23	0.030	0.59	7.48	246	2030	1.60	0.78	1.10	4.15	51.9	11.6	9	10.15	34.0
M635648		4.64	0.083	0.45	6.91	153.0	820	1.66	0.34	1.53	1.79	39.4	10.7	10	14.45	16.2
M635649		5.07	0.131	1.20	7.71	978	740	1.86	0.45	0.40	6.92	43.7	14.8	8	18.95	17.9
M635650		6.07	0.021	0.23	7.47	230	1020	1.68	0.27	1.11	2.64	54.2	9.7	8	10.80	11.6
M635651		8.41	0.024	0.21	8.19	572	1170	2.10	0.30	1.09	7.71	51.3	15.5	8	11.00	55.6
M635652		0.29	0.412	4.25	6.55	726	430	1.46	3.41	2.03	10.60	46.0	12.5	23	12.85	317
M635653		9.69	0.113	0.92	7.82	1060	760	1.61	0.74	0.24	3.89	44.1	6.6	8	20.5	34.1
M635654		3.65	0.025	0.22	8.00	658	1120	2.04	0.34	0.33	3.82	59.6	9.6	12	19.50	32.1
M635655		5.20	0.048	0.35	7.09	134.5	1130	1.78	0.44	1.62	1.67	30.5	7.5	7	19.05	29.3
M635656		6.06	1.065	24.7	6.71	1050	1080	1.19	52.1	0.21	1.94	50.3	1.2	7	14.80	231
M635657		5.28	0.023	0.83	8.24	244	1220	1.98	0.92	0.90	10.15	55.4	29.9	8	13.00	82.1
M635658		8.68	0.202	2.72	7.12	696	560	1.18	2.45	0.14	1.25	58.4	4.2	7	11.70	39.4
M635659		9.25	0.069	0.79	7.91	268	920	1.86	0.85	0.48	5.87	46.3	17.1	7	15.50	39.2
M635660		9.45	0.061	0.34	7.62	118.5	1410	2.14	0.48	1.56	0.85	57.3	8.1	17	15.95	15.6
M635661		7.23	0.066	0.33	7.48	209	1750	2.08	0.26	1.68	0.40	50.7	9.8	21	16.20	9.7
M635662		3.78	0.074	0.35	7.43	96.5	2400	1.97	0.26	1.86	0.48	50.5	8.3	22	13.90	9.6
M635663		7.18	0.059	0.36	7.59	131.0	2310	2.09	0.35	1.92	0.31	52.2	9.6	21	16.20	11.1
M635664		5.67	0.067	0.36	7.63	166.0	1800	1.92	0.69	1.39	1.19	51.9	9.8	15	13.00	37.6
M635665		4.27	0.144	3.25	7.87	538	760	1.42	2.22	0.30	3.98	80.2	16.2	8	24.5	146.5
M635666		4.79	0.021	0.30	8.34	430	1490	2.06	0.44	1.10	3.89	47.0	11.9	9	16.15	144.5
M635667		6.17	0.251	2.36	6.90	1120	590	1.11	2.63	0.21	0.83	50.7	2.1	7	17.00	125.5
M635668		5.01	0.905	3.43	6.73	2190	640	0.99	6.45	0.19	0.43	43.7	1.4	7	13.80	52.4
M635669		4.89	0.092	0.96	8.27	670	710	1.51	1.60	0.34	1.43	52.2	21.5	9	14.95	113.5
M635670		3.17	0.155	0.87	7.83	439	1160	1.54	1.32	0.90	2.14	55.5	17.9	11	10.95	68.0
M635671		6.27	0.466	4.73	7.15	823	620	1.38	8.15	0.21	4.23	49.8	6.0	7	23.0	154.5
M635672		8.43	0.090	1.01	7.80	245	1130	1.54	1.54	0.99	1.94	58.0	12.0	14	12.80	38.2
M635673		5.61	0.032	0.55	7.69	94.6	1130	1.51	0.77	1.05	2.45	54.1	8.1	12	7.71	20.8
M635674		5.04	0.104	4.47	7.79	620	810	2.20	13.30	0.18	6.24	57.2	7.4	8	23.3	575

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VANCOUVER BC V6B 1L8

Finalized Date: 15- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118226

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M635639		3.89	17.20	0.13	0.6	0.449	2.85	21.4	28.5	0.25	482	5.00	0.23	8.0	2.9	360
M635640		3.31	16.45	0.14	0.6	0.096	2.61	29.6	10.8	0.69	2400	5.32	1.55	7.7	6.4	590
M635641		5.21	16.35	0.17	0.6	0.371	3.05	28.8	11.0	0.27	480	5.28	0.20	7.5	3.0	510
M635642		3.60	16.65	0.16	0.6	0.107	2.13	24.5	13.9	0.88	1320	3.67	1.84	8.3	6.3	550
M635643		3.89	17.20	0.15	0.6	0.056	2.20	28.4	19.2	0.86	928	4.06	1.05	8.1	7.0	560
M635644		3.73	16.25	0.14	0.5	0.081	2.25	27.9	15.3	0.78	844	4.97	1.11	7.6	4.5	590
M635645		6.18	15.65	0.13	0.5	0.248	2.30	24.1	17.2	0.33	264	10.80	0.47	6.5	3.5	460
M635646		0.47	0.22	0.13	<0.1	0.005	0.03	0.6	1.1	12.55	207	0.13	0.01	0.2	1.6	160
M635647		3.21	15.90	0.12	0.6	0.069	2.63	28.3	11.2	0.58	1280	2.69	1.40	7.7	4.1	520
M635648		2.62	14.80	0.13	0.8	0.056	3.14	20.6	14.4	0.26	2840	3.51	0.60	8.2	3.9	430
M635649		3.11	16.45	0.13	0.7	0.054	3.46	22.7	13.3	0.28	5420	4.40	0.29	8.7	3.9	490
M635650		3.18	15.55	0.13	0.7	0.046	2.54	28.4	11.7	0.53	1240	2.02	1.64	8.5	4.2	500
M635651		3.91	16.05	0.15	0.7	0.052	2.37	25.2	22.8	0.47	2730	3.60	1.33	9.0	5.8	570
M635652		5.01	14.70	0.11	1.1	0.279	3.03	26.0	26.9	0.76	1890	12.55	0.15	5.6	14.8	510
M635653		3.78	16.65	0.13	0.8	0.078	3.11	23.3	26.3	0.26	1160	2.96	0.18	8.3	3.0	380
M635654		3.55	18.80	0.14	3.7	0.027	3.03	32.3	37.9	0.21	1360	2.91	0.35	9.3	5.9	850
M635655		2.92	16.70	0.11	0.9	0.056	2.71	14.0	60.3	0.19	1640	3.27	0.28	7.9	4.1	540
M635656		4.73	15.00	0.13	0.8	0.463	3.35	29.1	12.5	0.24	255	2.94	0.06	6.6	1.4	380
M635657		2.96	16.90	0.15	0.6	0.105	2.89	29.3	56.7	0.28	8430	4.57	0.57	7.9	8.4	560
M635658		3.48	15.50	0.15	0.6	0.181	3.59	36.5	8.3	0.33	346	13.35	0.04	7.3	1.6	320
M635659		3.49	16.70	0.14	0.6	0.117	3.60	24.2	13.8	0.31	3660	3.40	0.05	8.1	5.1	560
M635660		2.67	18.50	0.17	1.9	0.035	3.06	29.4	23.0	0.26	1260	2.37	0.97	9.0	7.9	750
M635661		2.80	18.80	0.13	2.1	0.031	3.16	24.9	43.0	0.24	1230	2.51	1.05	9.5	11.5	800
M635662		2.59	18.95	0.14	2.0	0.036	3.07	25.5	31.7	0.25	1000	2.90	1.72	9.7	10.2	840
M635663		2.72	18.40	0.14	2.0	0.035	2.81	26.4	43.3	0.27	1060	2.64	1.70	9.1	10.5	810
M635664		3.07	17.80	0.14	1.3	0.043	2.80	26.0	23.4	0.29	1280	2.68	1.23	8.0	6.9	680
M635665		4.31	16.40	0.14	0.5	0.209	3.43	49.9	14.8	0.29	2730	10.45	0.15	7.0	3.3	580
M635666		4.15	17.85	0.13	0.6	0.063	3.01	22.3	21.4	0.31	3280	2.83	0.48	8.7	4.9	660
M635667		5.47	15.85	0.14	0.6	0.373	3.26	29.0	11.1	0.27	335	11.60	0.06	6.7	1.6	450
M635668		5.24	15.35	0.14	0.5	0.283	3.42	23.6	11.2	0.27	171	3.65	0.10	6.2	1.4	350
M635669		4.74	17.45	0.13	0.5	0.183	3.35	28.1	20.4	0.29	1120	7.34	0.41	7.0	5.3	670
M635670		3.85	16.35	0.15	0.6	0.070	2.41	29.0	14.5	0.81	1480	5.18	1.72	7.3	5.1	590
M635671		4.66	14.80	0.14	0.5	0.287	3.29	28.4	11.2	0.29	964	32.4	0.11	6.2	3.1	440
M635672		3.72	16.05	0.15	0.8	0.103	2.32	31.2	21.3	0.62	1200	4.98	1.20	8.2	5.5	610
M635673		3.27	16.05	0.16	0.7	0.090	2.35	28.3	20.2	0.72	1260	2.39	1.73	7.8	5.2	580
M635674		5.25	16.75	0.14	0.6	0.284	3.03	31.1	57.8	0.22	805	9.53	0.24	6.6	5.9	600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118226

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M635639		283	155.5	<0.002	0.27	24.1	9.1	2	7.8	80.8	0.69	0.66	10.0	0.261	2.32	2.3
M635640		23.2	111.0	<0.002	0.08	3.83	11.4	1	2.8	237	0.71	0.19	14.7	0.270	1.70	2.0
M635641		264	148.0	<0.002	0.67	8.26	10.9	1	7.7	131.0	0.70	0.21	14.9	0.257	2.86	2.3
M635642		33.3	95.3	<0.002	0.15	3.18	13.6	1	2.3	258	0.70	0.10	14.8	0.289	1.11	2.3
M635643		27.3	92.9	<0.002	0.02	4.41	12.0	1	1.7	184.0	0.67	0.06	14.0	0.279	1.05	1.9
M635644		118.5	93.8	<0.002	0.05	5.96	11.5	1	2.6	198.0	0.61	0.08	12.5	0.297	1.14	2.0
M635645		326	113.0	<0.002	0.32	12.85	10.2	1	4.8	145.5	0.53	0.30	10.9	0.240	1.51	2.3
M635646		5.3	1.4	<0.002	0.01	0.12	0.2	<1	<0.2	51.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
M635647		107.5	130.0	<0.002	0.14	4.35	10.4	1	2.1	236	0.69	0.05	12.8	0.264	1.62	2.0
M635648		91.8	146.0	<0.002	0.13	5.84	8.5	1	1.7	101.0	0.89	<0.05	13.3	0.231	2.26	1.9
M635649		348	182.5	<0.002	0.10	10.50	10.1	1	3.6	74.0	0.83	0.08	13.9	0.262	3.36	2.8
M635650		36.9	103.5	<0.002	0.02	3.34	10.4	1	1.4	227	0.77	0.05	14.6	0.262	1.12	2.0
M635651		27.0	90.9	<0.002	0.01	4.43	12.8	1	1.5	219	0.79	<0.05	14.5	0.306	0.98	2.5
M635652		479	149.5	0.004	2.66	26.1	8.7	1	5.1	103.5	0.48	0.30	10.9	0.200	2.45	5.1
M635653		148.5	152.0	<0.002	0.08	9.76	10.0	1	3.8	92.1	0.76	<0.05	12.0	0.264	2.41	2.6
M635654		27.8	119.0	<0.002	0.02	9.59	6.8	1	1.4	155.0	0.74	<0.05	13.1	0.263	1.39	4.8
M635655		82.8	112.0	<0.002	0.03	10.35	9.1	1	1.4	97.7	0.75	<0.05	10.2	0.266	1.71	2.5
M635656		630	176.0	<0.002	0.90	57.9	8.7	1	6.2	176.5	0.65	0.42	12.2	0.223	2.62	1.9
M635657		82.4	136.5	<0.002	0.12	8.05	11.0	2	3.3	167.5	0.71	0.15	14.7	0.280	2.25	3.0
M635658		644	206	<0.002	0.39	10.95	9.2	1	7.1	79.3	0.73	0.15	11.5	0.247	2.80	2.0
M635659		137.5	187.0	<0.002	0.11	9.61	11.3	2	3.1	81.3	0.73	0.05	13.2	0.279	3.29	3.2
M635660		41.0	118.5	<0.002	0.04	6.21	6.8	1	1.5	249	0.74	<0.05	11.2	0.212	1.82	3.3
M635661		39.0	112.5	<0.002	0.02	5.66	6.7	1	1.4	374	0.77	<0.05	9.9	0.218	1.66	3.5
M635662		51.7	107.0	<0.002	0.07	4.27	6.9	1	1.4	396	0.79	0.05	10.1	0.226	1.44	3.1
M635663		44.3	95.9	<0.002	0.06	4.72	7.2	1	1.5	424	0.75	0.05	9.9	0.221	1.29	2.8
M635664		42.2	117.5	<0.002	0.08	5.79	9.0	<1	2.1	236	0.68	0.06	11.1	0.248	1.68	3.0
M635665		1015	183.0	<0.002	0.71	16.00	11.1	1	5.1	180.0	0.59	0.14	13.0	0.272	3.45	2.8
M635666		51.4	148.5	<0.002	0.08	13.80	12.3	1	2.6	121.5	0.81	<0.05	12.6	0.292	2.78	3.6
M635667		930	173.5	<0.002	1.12	45.5	9.1	1	6.9	279	0.65	0.22	12.5	0.235	3.32	2.2
M635668		528	181.0	<0.002	1.20	32.2	8.6	1	6.4	195.5	0.52	0.16	8.8	0.250	3.03	1.8
M635669		102.0	189.0	<0.002	0.41	8.61	12.2	1	4.5	150.5	0.55	0.17	12.6	0.276	2.72	3.5
M635670		113.0	116.5	<0.002	0.17	6.16	11.2	1	2.5	243	0.59	0.09	12.6	0.292	1.72	2.3
M635671		631	181.5	<0.002	0.55	22.3	9.2	2	5.9	123.0	0.54	3.78	11.2	0.243	2.85	2.6
M635672		156.0	107.0	<0.002	0.17	10.60	11.6	1	3.0	207	0.75	0.26	12.8	0.305	1.47	2.5
M635673		119.0	108.0	<0.002	0.21	4.34	10.7	1	3.2	225	0.67	0.11	11.7	0.297	1.59	2.3
M635674		240	148.5	<0.002	0.12	36.3	13.2	1	6.4	102.0	0.61	0.14	11.6	0.227	2.57	5.7

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118226

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M635639		84	4.1	7.9	282	12.4
M635640		86	1.4	17.1	514	12.3
M635641		86	8.0	10.4	423	11.4
M635642		96	1.2	18.7	350	11.8
M635643		86	1.3	17.7	429	11.3
M635644		92	2.2	17.6	392	9.9
M635645		98	3.4	10.6	810	9.7
M635646		2	0.1	0.8	19	<0.5
M635647		82	1.4	16.3	354	11.7
M635648		69	2.2	13.7	177	15.8
M635649		81	4.5	14.2	628	12.1
M635650		81	1.4	18.4	198	12.9
M635651		94	1.5	20.1	405	13.0
M635652		64	5.4	11.1	869	29.3
M635653		79	3.9	11.3	387	18.0
M635654		60	1.5	17.1	624	126.0
M635655		83	2.1	10.3	266	21.0
M635656		71	4.7	6.2	192	16.0
M635657		92	1.6	20.3	940	12.5
M635658		76	6.4	6.0	404	12.3
M635659		88	3.8	15.0	465	11.8
M635660		60	1.8	13.9	132	53.8
M635661		64	2.2	13.2	103	62.5
M635662		65	2.6	12.9	99	59.6
M635663		64	2.2	13.6	108	60.2
M635664		76	2.0	13.9	162	34.9
M635665		87	7.8	11.8	526	10.0
M635666		96	3.6	20.7	349	11.2
M635667		77	7.0	6.3	405	10.5
M635668		79	7.0	5.6	234	8.2
M635669		100	2.7	12.1	268	9.9
M635670		92	2.4	17.0	220	11.7
M635671		85	3.3	10.7	461	9.0
M635672		95	2.8	17.8	218	16.0
M635673		90	3.2	13.7	259	13.8
M635674		81	6.5	15.3	704	11.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- JUL- 2013
Account: ROCKHA

Project: KLAZA - 41

CERTIFICATE OF ANALYSIS WH13118226

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 17-JUL-2013
Account: ROCKHA

CERTIFICATE WH13121816

Project: KLAZA-41

P.O. No.: Batch 13

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

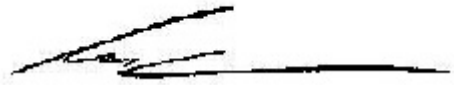
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 17-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13121816

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M635675		7.85	0.114	2.61	7.08	903	760	1.68	5.76	0.22	8.37	79.5	4.2	8	20.9	243
M635676		7.52	0.088	1.29	8.44	299	1060	1.72	2.09	0.61	5.64	49.2	9.7	10	12.85	102.5
M635677		5.69	0.102	2.14	9.34	274	750	1.56	4.26	0.23	2.77	54.4	6.6	10	13.90	118.5
M635678		4.63	0.027	0.46	9.61	130.5	910	2.07	1.70	1.33	2.14	44.5	8.9	10	11.75	129.0
M635679		6.23	0.016	0.38	8.55	128.0	1090	1.73	0.99	0.54	2.66	34.9	13.3	11	9.35	140.5
M635680		6.09	0.028	1.07	8.52	256	770	1.89	1.23	0.20	5.94	51.2	10.0	10	15.70	617
M635681		6.56	2.65	29.6	7.21	351	750	1.82	58.3	0.20	4.83	39.1	9.4	10	27.5	682
M635682		9.02	0.393	51.8	8.19	352	2660	2.05	463	0.43	4.69	85.8	8.3	12	19.75	884
M635683		5.79	0.526	49.0	8.08	411	1810	2.47	782	0.52	3.21	104.0	8.6	17	22.4	784
M635684		4.16	0.114	1.47	7.82	269	1830	2.12	7.48	0.22	5.66	58.4	16.8	19	22.1	81.8
M635685		3.92	0.140	2.45	7.75	313	950	1.61	9.51	0.12	0.72	39.5	4.4	16	16.05	78.1
M635686		4.95	0.159	5.04	7.90	400	1330	1.23	12.10	0.14	0.69	48.9	3.7	9	21.5	146.0
M635687		7.97	0.033	0.66	8.32	141.5	1340	1.51	2.44	0.41	2.80	44.4	13.1	11	13.95	100.0
M635688		4.56	0.030	0.70	8.49	180.0	1200	1.64	1.66	0.43	3.08	46.1	12.9	10	16.10	226
M635689		6.50	0.484	9.22	7.02	471	1310	1.11	24.8	0.14	0.59	51.9	2.1	10	13.00	66.2
M635690		5.69	0.020	0.30	8.32	84.4	1270	1.79	1.01	0.70	1.81	40.6	12.7	10	10.75	71.4
M635691		6.85	0.062	2.31	8.16	154.5	1080	1.51	3.46	0.21	2.03	57.3	11.3	10	15.45	56.1
M635692		7.22	0.020	0.27	8.47	87.6	1460	1.42	0.83	0.46	0.79	39.1	9.4	9	11.55	8.8
M635693		0.24	0.377	4.63	6.59	721	330	1.55	3.41	2.09	10.35	44.1	13.1	24	13.65	322
L840801		4.95	0.043	2.27	7.82	57.1	1440	1.06	4.62	0.17	0.23	75.1	1.6	10	8.69	75.7
L840802		4.73	0.029	1.06	8.06	22.9	1210	1.06	2.60	0.15	0.08	35.1	0.9	8	8.13	39.1
L840803		4.17	0.033	1.15	8.22	33.5	1280	1.14	3.45	0.12	0.10	56.9	1.0	10	9.43	38.9
L840804		3.48	0.030	0.94	8.00	57.1	1300	1.14	3.33	0.06	0.15	60.4	0.9	11	8.44	53.9
L840805		3.99	0.178	0.71	8.14	36.9	920	1.38	2.56	0.11	0.06	40.4	1.3	16	10.75	48.6
L840806		4.69	<0.005	0.02	0.11	<5	40	0.10	0.10	21.7	0.05	1.85	0.8	<1	0.18	2.3
L840807		2.09	0.084	0.91	7.57	43.1	1100	1.03	2.50	0.16	0.16	62.2	1.3	11	9.25	74.0
L840808		4.01	0.029	0.79	7.66	32.6	1180	1.19	1.72	0.19	0.16	39.0	1.6	9	8.57	90.7
L840809		3.38	0.036	1.00	7.76	33.8	1470	0.89	1.54	0.15	0.16	76.2	1.3	9	7.57	86.4
L840810		3.52	0.025	0.77	7.79	42.7	1050	1.00	1.82	0.10	0.11	50.4	0.8	8	8.47	44.3
L840811		4.23	0.038	0.89	7.25	51.4	780	0.89	2.74	0.04	0.16	45.4	1.5	8	6.39	52.9
L840812		4.31	0.048	0.71	7.95	27.7	1050	0.99	2.09	0.05	0.13	33.3	1.6	7	7.76	40.5
L840813		4.33	0.035	0.62	7.87	37.7	1390	1.01	1.80	0.13	0.27	24.0	2.4	7	10.20	70.6
L840814		4.49	0.021	0.55	7.76	27.5	1420	1.05	2.16	0.17	0.16	36.2	2.1	11	12.00	63.9
L840815		3.59	0.135	1.24	8.06	75.3	1540	1.33	4.50	0.17	0.29	40.8	2.4	110	13.50	129.5
L840816		5.13	0.105	1.87	8.40	58.4	1700	1.22	5.58	0.12	0.26	44.0	2.3	78	9.74	102.5
L840817		4.53	0.090	1.83	8.11	48.1	1450	1.08	10.55	0.13	0.20	27.4	3.2	93	8.71	60.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13121816

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M635675		6.85	17.00	0.18	0.5	0.814	2.93	43.4	43.2	0.21	468	15.40	0.09	6.1	3.5	640
M635676		4.42	18.55	0.17	0.7	0.268	3.49	24.6	53.2	0.27	2250	4.72	0.10	8.3	5.6	630
M635677		6.13	21.2	0.19	0.7	0.329	3.89	22.7	39.9	0.34	1260	3.19	0.14	7.6	2.9	500
M635678		5.92	20.5	0.18	0.8	0.309	1.92	20.6	21.4	0.86	1030	2.05	1.79	9.9	5.9	670
M635679		4.24	16.55	0.16	0.6	0.063	2.27	17.5	27.0	0.86	1300	2.85	0.75	8.5	6.2	600
M635680		5.05	17.55	0.17	0.7	0.178	2.49	28.6	42.8	0.30	1960	4.13	0.07	8.1	6.2	550
M635681		4.81	15.70	0.15	0.7	0.425	2.35	21.6	44.7	0.24	1520	5.41	0.07	6.7	4.9	660
M635682		5.14	18.90	0.20	1.0	1.605	2.95	46.3	44.4	0.25	1240	10.90	0.08	6.9	5.7	680
M635683		4.78	19.65	0.22	2.1	1.850	2.85	56.7	39.0	0.22	1420	11.75	0.08	9.5	6.6	860
M635684		5.60	18.75	0.20	2.3	0.171	3.22	31.5	38.8	0.27	4590	9.21	0.07	8.4	8.7	850
M635685		5.95	17.35	0.17	1.5	0.250	3.64	21.9	11.9	0.26	415	7.99	0.06	6.6	3.7	640
M635686		6.29	18.20	0.17	0.5	0.331	3.66	29.1	12.4	0.29	290	14.50	0.06	6.0	2.6	520
M635687		4.04	17.10	0.16	0.7	0.109	2.78	23.0	22.2	0.32	1740	3.38	0.53	7.3	5.7	590
M635688		4.21	17.10	0.18	0.6	0.158	3.17	25.8	18.5	0.31	1340	1.80	0.50	8.2	5.1	530
M635689		3.43	15.80	0.16	0.5	0.325	3.18	30.1	14.9	0.27	234	5.36	0.05	6.6	2.0	390
M635690		3.84	16.70	0.16	0.8	0.057	2.54	19.0	21.1	0.78	903	1.30	0.86	9.9	5.8	580
M635691		4.00	17.00	0.18	0.7	0.116	2.80	31.6	28.0	0.21	1380	2.63	0.15	8.0	4.6	500
M635692		3.65	16.95	0.16	0.6	0.097	2.93	19.9	27.3	0.53	1140	1.06	0.52	8.1	3.8	550
M635693		5.04	15.70	0.17	1.2	0.301	2.98	24.8	25.3	0.75	1850	14.45	0.15	6.2	14.1	520
L840801		4.47	19.60	0.20	1.0	0.249	3.27	40.3	18.2	0.41	60	9.75	0.15	2.4	3.1	1300
L840802		2.39	17.80	0.18	0.9	0.106	3.19	20.5	17.5	0.44	44	4.61	0.18	3.1	1.7	430
L840803		2.56	17.85	0.18	0.9	0.052	3.48	33.1	34.6	0.40	57	4.42	0.14	3.0	1.8	440
L840804		3.30	17.75	0.18	0.8	0.038	3.76	35.5	14.1	0.44	59	12.00	0.10	3.6	1.2	580
L840805		2.57	17.75	0.18	1.1	0.041	3.03	23.5	23.8	0.41	58	7.15	0.13	4.5	1.7	290
L840806		0.52	0.31	0.14	<0.1	0.007	0.06	0.9	1.3	12.70	214	0.08	0.01	0.3	1.9	190
L840807		3.87	17.60	0.19	1.0	0.074	3.27	37.1	11.4	0.47	54	7.10	0.17	2.8	1.6	670
L840808		3.75	17.90	0.15	1.0	0.052	3.06	24.0	18.3	0.38	63	5.27	0.56	3.1	2.4	630
L840809		4.38	18.95	0.19	0.9	0.095	3.55	37.0	23.1	0.41	49	7.50	0.19	3.1	3.4	1120
L840810		2.59	17.70	0.19	1.0	0.036	2.95	31.4	20.6	0.37	44	5.22	0.10	3.6	1.5	500
L840811		2.44	17.20	0.17	0.8	0.022	3.28	27.7	12.9	0.34	54	8.21	0.08	3.6	1.4	350
L840812		2.30	16.65	0.18	0.9	0.013	3.04	21.7	24.0	0.28	56	3.75	0.09	3.8	1.6	230
L840813		3.53	16.20	0.17	0.8	0.028	3.33	15.8	30.2	0.32	64	5.29	0.20	3.2	2.4	520
L840814		3.01	16.35	0.22	1.0	0.051	3.57	20.3	26.3	0.36	77	7.29	0.33	3.9	3.9	610
L840815		5.08	23.2	0.20	2.1	0.090	3.82	21.9	36.5	0.68	96	7.18	0.14	3.7	8.9	880
L840816		4.21	21.0	0.15	2.2	0.068	3.80	22.1	31.8	0.50	126	6.25	0.12	3.8	5.8	990
L840817		3.29	20.2	0.16	2.1	0.056	3.66	15.5	25.2	0.41	148	5.67	0.16	4.4	3.5	470

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13121816

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M635675		254	153.5	0.004	0.45	55.0	10.6	1	8.6	155.0	0.63	1.14	15.5	0.200	2.39	3.5
M635676		107.5	175.0	0.004	0.29	17.75	12.3	1	4.0	69.4	0.77	0.35	13.7	0.268	2.96	3.5
M635677		198.5	209	0.003	0.19	11.35	12.4	1	10.5	54.6	0.71	0.80	19.3	0.234	3.05	2.8
M635678		30.7	79.5	<0.002	0.11	7.12	14.1	1	4.7	304	0.85	0.16	16.1	0.327	1.35	4.3
M635679		31.5	79.4	0.002	0.02	9.37	11.4	1	1.8	132.0	0.74	0.06	12.7	0.312	1.16	2.3
M635680		46.0	142.0	0.004	0.10	29.5	13.2	1	3.2	40.5	0.68	0.29	14.5	0.278	1.92	3.8
M635681		867	124.5	0.007	0.26	143.5	9.9	3	4.8	155.0	0.62	2.00	11.1	0.232	1.84	3.5
M635682		569	138.0	0.003	0.15	212	10.1	1	7.3	109.0	0.58	2.88	11.3	0.237	1.88	4.0
M635683		743	118.0	<0.002	0.08	183.0	7.0	2	4.7	174.5	0.73	2.64	12.9	0.223	1.60	4.4
M635684		56.5	160.5	0.006	0.32	32.7	9.8	1	4.9	306	0.65	0.40	13.1	0.256	2.36	4.9
M635685		198.5	190.5	0.008	0.28	16.70	9.6	2	12.3	81.6	0.55	0.56	11.8	0.229	2.84	3.1
M635686		780	204	0.007	0.21	16.10	11.5	1	10.7	55.1	0.50	0.52	11.6	0.240	2.90	2.4
M635687		72.0	117.5	0.004	0.08	12.80	10.6	1	6.4	102.5	0.59	0.27	12.9	0.261	1.66	3.1
M635688		133.5	142.0	0.002	0.15	8.15	13.6	1	2.8	124.5	0.66	<0.05	15.4	0.280	2.23	2.7
M635689		984	186.0	<0.002	0.45	30.3	9.2	1	7.1	77.3	0.49	0.75	11.7	0.238	2.43	1.6
M635690		30.2	86.9	0.005	0.04	6.02	11.5	1	1.6	167.0	1.02	0.07	14.7	0.277	1.09	2.5
M635691		118.5	125.5	0.005	0.08	17.30	9.7	2	3.7	55.9	0.81	0.10	15.2	0.255	1.81	2.8
M635692		34.1	102.0	0.007	0.02	6.19	10.4	2	2.1	126.5	0.71	0.09	13.5	0.288	1.29	2.0
M635693		477	144.0	0.009	2.72	28.8	8.9	1	5.9	108.0	0.53	0.35	11.0	0.212	2.34	4.9
L840801		53.5	147.5	0.003	0.33	26.4	8.4	2	4.6	459	0.29	0.54	39.4	0.103	2.11	2.2
L840802		15.6	152.0	0.007	0.10	10.80	8.4	2	4.0	118.5	0.38	0.19	9.5	0.129	2.30	1.4
L840803		36.8	161.0	0.003	0.13	14.10	8.8	2	4.1	122.0	0.29	0.29	14.7	0.131	2.32	1.3
L840804		32.9	189.0	0.002	0.06	16.60	10.1	4	10.3	92.5	0.37	0.70	22.1	0.137	2.37	1.6
L840805		46.2	159.5	<0.002	0.03	20.2	10.4	2	5.8	48.3	0.50	0.23	8.9	0.155	2.19	1.5
L840806		1.9	2.6	0.003	<0.01	0.17	0.2	<1	0.2	50.8	<0.05	<0.05	0.2	0.007	<0.02	0.6
L840807		22.1	153.0	<0.002	0.08	9.18	9.2	3	8.3	117.5	0.34	0.38	19.7	0.118	2.15	1.8
L840808		16.8	137.0	<0.002	0.18	7.08	10.5	1	6.2	153.5	0.35	0.19	17.9	0.133	1.98	2.5
L840809		21.2	144.0	0.004	0.51	9.88	10.9	2	6.3	313	0.32	0.17	34.7	0.138	2.03	2.5
L840810		20.2	145.5	0.007	0.29	12.50	10.0	2	6.0	135.5	0.38	0.28	17.6	0.141	2.02	1.6
L840811		17.8	157.0	0.003	0.05	18.80	8.7	2	16.1	71.5	0.36	0.25	8.9	0.133	1.77	1.6
L840812		20.2	139.0	0.005	0.17	18.85	9.0	2	6.3	73.5	0.34	0.17	6.1	0.141	1.75	1.6
L840813		20.6	142.0	0.008	0.38	11.00	8.3	4	4.5	134.5	0.30	0.31	5.7	0.125	2.00	2.3
L840814		24.8	154.0	0.008	0.33	7.66	9.3	3	4.7	266	0.38	0.27	7.3	0.141	2.23	2.8
L840815		24.0	196.5	0.005	0.43	10.00	11.4	3	9.7	226	0.37	0.59	11.8	0.208	3.15	4.6
L840816		40.0	186.0	<0.002	0.52	12.45	10.0	2	8.7	230	0.39	0.60	11.0	0.200	3.12	4.4
L840817		45.9	178.0	<0.002	0.56	21.4	10.5	2	9.0	123.5	0.44	0.59	6.9	0.207	2.59	3.0

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13121816

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M635675		82	9.6	11.6	595	12.2
M635676		109	5.3	14.0	346	14.2
M635677		89	3.2	12.3	426	14.7
M635678		133	1.4	17.3	243	16.7
M635679		98	2.1	13.4	366	12.6
M635680		102	2.1	17.3	577	13.9
M635681		87	2.8	12.1	388	20.4
M635682		85	7.1	16.0	433	32.8
M635683		61	6.9	19.5	345	72.7
M635684		83	5.9	19.1	233	82.2
M635685		91	7.5	7.7	387	46.4
M635686		91	17.6	6.3	760	11.9
M635687		84	3.3	15.4	301	20.1
M635688		93	2.4	18.4	477	13.3
M635689		77	6.3	6.7	227	10.4
M635690		91	2.8	14.7	223	17.9
M635691		80	3.9	14.3	210	15.0
M635692		90	2.5	13.4	124	12.5
M635693		67	5.5	11.8	867	32.6
L840801		63	6.0	5.9	25	29.3
L840802		64	5.8	4.6	15	24.6
L840803		70	7.8	4.9	23	24.2
L840804		78	15.5	4.7	20	20.5
L840805		76	9.0	6.6	28	27.1
L840806		2	0.1	0.8	17	0.6
L840807		72	8.2	4.4	27	22.4
L840808		79	5.4	5.2	26	22.5
L840809		79	10.2	5.4	22	22.9
L840810		74	8.6	4.5	15	23.4
L840811		71	12.5	4.4	21	18.2
L840812		70	7.7	6.1	25	19.7
L840813		72	7.5	4.8	26	20.0
L840814		71	9.5	6.3	25	20.6
L840815		97	6.5	7.2	43	63.2
L840816		95	9.2	6.1	35	60.8
L840817		94	16.4	5.8	33	59.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13121816

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

	REE's may not be totally soluble in this method.
Applies to Method:	ME- MS61
	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method:	ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au- AA24	ME- MS61

ALS Canada Ltd.

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Finalized Date: 16-JUL-2013
This copy reported on 22-AUG-2013
Account: ROCKHA

CERTIFICATE WH13121817

Project: KLAZA-42

P.O. No.: Batch 16

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

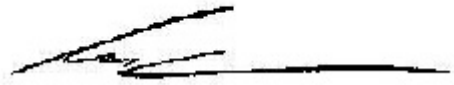
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2013
Account: ROCKHA

Project: KLAZA-42

CERTIFICATE OF ANALYSIS WH13121817

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K862929		3.36	0.147	6.77	8.41	244	880	1.40	11.05	0.06	0.31	61.2	0.7	61	13.35	86.3
K862930		1.81	0.281	7.11	5.15	126.5	540	0.81	15.10	0.04	0.08	91.8	0.3	7	4.82	19.9
K862931		1.83	0.147	4.23	7.64	129.0	710	1.34	5.79	0.06	0.23	107.5	0.6	8	10.65	56.7
K862932		2.18	0.154	2.29	7.75	211	5180	1.24	3.17	0.14	0.49	50.0	1.9	8	8.49	177.0
K862933		2.97	0.619	2.87	6.91	160.0	800	1.07	4.67	0.09	0.48	55.8	1.1	9	11.25	83.7
K862934		6.69	0.111	1.61	7.57	124.0	2230	1.34	1.91	0.19	0.44	47.0	1.9	9	10.20	222
K862935		3.69	0.157	2.49	7.60	152.5	900	1.22	3.60	0.08	0.36	53.8	1.5	8	17.95	176.5
K862936		3.55	0.172	3.41	6.90	82.3	800	1.08	10.65	0.02	0.14	41.7	0.5	9	6.32	55.7
K862937		1.46	0.436	3.05	1.70	64.2	300	0.38	5.68	0.02	0.44	8.55	0.5	20	0.80	52.3
K862938		1.02	<0.005	0.03	0.06	<5	30	<0.05	0.08	22.3	0.07	1.15	0.7	1	0.14	1.9
K862939		2.71	0.276	7.06	7.24	129.0	1510	1.27	12.75	0.06	0.17	66.0	1.3	9	35.0	121.0
K862940		5.84	0.102	1.33	7.97	39.2	1900	1.29	3.86	0.07	0.20	67.7	2.5	7	22.0	356
K862941		4.07	0.158	2.56	7.95	72.4	1740	1.14	12.00	0.03	0.09	62.9	1.8	9	10.40	70.7
K862942		3.31	3.74	9.55	8.93	183.5	1120	1.50	43.6	0.02	0.22	31.2	0.2	8	9.12	29.5
K862943		2.66	1.655	4.67	8.63	804	1350	1.42	15.35	0.03	0.17	52.9	0.2	7	12.20	32.4
K862944		6.07	0.109	1.13	8.08	81.8	2700	1.30	2.73	0.12	0.22	61.0	2.5	8	14.30	214
K862945		5.74	0.368	5.64	7.98	340	1070	1.30	31.7	0.04	0.33	55.8	1.7	11	33.4	230
K862946		6.26	0.049	0.48	8.44	90.1	1690	1.87	1.63	0.15	2.74	61.3	12.3	21	22.3	183.5
K862947		6.09	0.138	0.85	8.00	108.0	1230	1.45	2.10	0.06	1.24	52.0	3.9	9	21.2	168.0
K862948		4.02	0.156	2.02	8.11	84.2	2420	1.40	8.39	0.05	0.26	47.9	2.1	8	19.80	151.0
K862949		3.82	0.299	2.70	7.50	342	1270	1.11	14.25	0.05	0.40	62.1	1.4	8	22.4	95.6
K862950		5.04	0.142	3.39	7.84	320	2690	1.23	15.80	0.14	0.37	46.3	4.1	8	16.70	209
K862951		0.26	1.100	12.10	6.64	1540	600	1.38	12.95	1.93	33.4	47.1	17.3	19	12.85	283
K862952		5.23	0.402	4.75	7.32	557	1080	1.21	53.2	0.06	0.27	61.5	1.4	7	22.2	72.8
K862953		6.39	0.212	8.91	7.58	630	1390	1.36	119.5	0.06	0.49	75.1	1.2	9	12.55	116.0
K862954		4.18	0.610	10.60	7.52	252	940	1.24	63.0	0.05	0.27	80.8	0.8	8	10.95	53.5
K862955		5.94	0.136	2.50	7.76	155.0	4000	1.24	11.10	0.10	0.33	55.2	1.1	8	13.30	212
K862956		5.01	0.329	5.61	7.01	182.5	700	0.94	174.5	0.07	0.19	49.4	0.8	28	12.60	74.6
K862957		6.44	0.179	1.12	7.78	101.5	1250	1.07	6.04	0.11	0.13	58.5	1.2	19	12.10	76.4
K862958		6.25	0.273	3.58	7.61	101.0	1120	0.85	21.7	0.10	0.09	28.0	1.7	60	15.55	63.0
K862959		7.81	0.232	1.08	7.40	72.4	740	1.10	6.91	0.09	0.14	41.8	1.1	9	10.60	86.1
K862960		8.28	3.93	9.61	6.77	161.5	1170	0.97	155.0	0.08	0.18	56.4	0.9	8	12.20	144.5
K862961		7.56	0.466	3.00	6.16	125.5	770	0.89	7.79	0.10	0.35	48.4	0.4	7	13.30	30.7
K862962		5.95	0.138	2.47	6.41	137.5	820	1.04	5.42	0.08	0.43	55.9	0.5	7	12.85	57.9
K862963		4.94	0.102	1.13	7.84	36.3	2620	1.25	3.90	0.11	0.18	55.9	1.5	7	11.65	139.0
K862964		4.38	0.113	4.15	6.48	72.4	890	1.05	25.3	0.07	0.25	57.5	0.9	7	9.30	74.3

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Finalized Date: 16-JUL-2013
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Project: KLAZA-42

CERTIFICATE OF ANALYSIS WH13121817

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K862929		3.27	21.8	0.17	3.6	0.552	4.41	34.0	18.7	0.46	68	138.0	0.07	3.8	1.7	270
K862930		2.40	13.55	0.17	1.0	0.293	2.91	54.7	15.5	0.24	55	30.8	0.06	2.7	1.1	230
K862931		2.69	17.90	0.17	1.1	0.635	4.04	64.1	14.0	0.41	80	52.6	0.08	3.8	1.2	250
K862932		2.94	16.10	0.14	1.1	0.233	3.94	28.4	17.5	0.27	63	78.0	0.40	4.8	1.8	320
K862933		3.36	15.25	0.13	0.9	0.346	3.33	33.2	10.8	0.35	91	54.3	0.06	3.9	1.5	330
K862934		3.10	15.45	0.19	1.0	0.183	2.69	24.9	13.7	0.26	54	48.4	0.92	4.9	2.1	580
K862935		3.21	16.45	0.14	1.0	0.229	3.54	29.9	14.4	0.31	68	54.7	0.22	4.8	2.0	490
K862936		1.78	15.45	0.11	1.0	0.177	3.51	23.5	9.6	0.31	67	34.6	0.08	3.9	1.1	180
K862937		1.14	4.17	0.08	0.3	0.068	0.84	4.6	8.0	0.05	41	26.7	0.04	1.1	1.2	110
K862938		0.47	0.25	0.23	<0.1	0.005	0.03	0.6	1.2	13.25	203	0.37	<0.01	0.1	2.7	160
K862939		2.73	16.20	0.21	1.0	0.230	3.14	40.6	16.2	0.37	67	34.8	0.16	4.5	1.4	380
K862940		4.20	17.00	0.17	1.0	0.172	3.24	39.3	13.5	0.37	57	9.68	0.45	4.3	1.9	570
K862941		3.44	17.40	0.17	1.1	0.244	4.05	35.8	10.1	0.39	75	5.79	0.14	4.0	1.2	360
K862942		2.22	29.5	0.15	1.2	0.168	4.82	15.0	8.5	0.44	81	8.33	0.08	6.0	1.2	220
K862943		2.67	22.4	0.15	1.3	0.308	4.35	29.6	18.3	0.40	74	7.36	0.07	5.7	0.8	320
K862944		3.65	16.45	0.17	1.1	0.182	3.06	32.6	10.6	0.35	83	3.02	1.01	4.4	1.8	520
K862945		4.74	18.30	0.16	1.7	0.478	2.95	30.3	33.3	0.33	93	12.25	0.11	5.2	3.7	810
K862946		3.49	18.85	0.15	3.1	0.115	1.92	32.6	174.5	0.31	916	1.96	0.25	8.5	13.6	660
K862947		3.82	16.50	0.14	1.2	0.163	3.22	28.8	16.5	0.24	354	3.21	0.06	6.3	2.2	590
K862948		4.46	16.30	0.13	1.2	0.193	3.22	26.9	17.3	0.24	119	4.48	0.06	5.6	1.8	620
K862949		5.13	16.30	0.15	1.1	0.344	3.54	36.5	8.9	0.29	195	6.67	0.05	5.2	1.3	550
K862950		6.21	17.50	0.14	1.2	0.201	3.06	25.9	14.5	0.23	268	9.61	0.67	6.5	2.4	880
K862951		6.70	14.90	0.15	1.1	0.810	2.96	25.2	19.9	0.77	1760	8.87	0.13	6.1	12.4	530
K862952		5.85	17.40	0.17	1.0	0.635	3.56	33.3	9.0	0.30	147	3.89	0.05	4.7	1.2	670
K862953		5.27	17.35	0.17	1.0	0.643	3.78	42.4	9.7	0.33	105	7.42	0.06	3.1	1.2	1070
K862954		4.12	20.6	0.17	1.1	0.501	3.93	46.2	6.5	0.35	100	2.50	0.06	3.3	0.9	690
K862955		3.83	18.75	0.16	1.1	0.396	3.18	31.1	24.7	0.24	66	0.91	0.73	4.7	1.5	870
K862956		6.25	23.0	0.13	2.0	0.469	3.28	26.0	15.6	0.32	51	2.96	0.37	2.2	1.1	740
K862957		4.83	18.60	0.15	1.6	0.314	2.84	31.8	8.3	0.35	60	3.08	1.22	3.4	1.4	710
K862958		6.60	21.7	0.13	3.3	0.304	3.26	13.1	10.8	0.41	70	1.76	0.60	3.1	1.4	740
K862959		3.75	15.80	0.12	0.9	0.225	2.65	23.5	6.8	0.30	61	2.11	1.51	3.1	1.3	580
K862960		5.62	18.25	0.13	1.1	0.779	2.93	31.4	10.0	0.27	59	1.56	0.59	3.0	1.0	670
K862961		5.57	14.45	0.13	1.2	0.593	3.38	28.5	11.4	0.29	102	4.51	0.05	4.2	1.1	270
K862962		5.01	15.75	0.13	1.2	0.886	3.33	31.2	8.6	0.31	79	2.14	0.06	4.0	0.8	550
K862963		4.28	16.30	0.13	1.1	0.267	2.88	31.0	13.3	0.32	87	2.77	0.82	3.2	1.2	650
K862964		5.02	16.45	0.19	1.1	0.492	3.47	30.5	7.6	0.33	74	3.64	0.06	2.8	0.7	440

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K862929		208	255	0.015	0.70	55.1	14.9	2	19.4	68.9	0.31	0.50	10.1	0.280	3.96	2.9
K862930		205	171.5	0.006	0.67	33.9	5.8	3	22.7	88.7	0.32	0.53	10.1	0.115	1.96	1.3
K862931		134.5	256	0.004	0.56	29.7	8.7	2	12.3	76.9	0.45	0.58	17.4	0.151	3.45	1.5
K862932		72.2	169.0	0.015	0.54	22.2	9.8	2	4.7	237	0.45	0.21	12.8	0.187	2.53	2.3
K862933		101.5	183.0	<0.002	0.57	25.5	7.9	2	11.9	98.2	0.50	0.24	12.5	0.137	2.75	1.5
K862934		42.6	95.2	0.003	0.36	21.3	9.5	2	4.5	165.0	0.47	0.18	17.0	0.182	2.04	3.2
K862935		96.9	170.5	0.007	0.40	37.2	9.1	2	7.7	105.5	0.44	0.30	12.9	0.178	2.40	2.5
K862936		101.0	174.0	0.012	0.25	32.2	7.7	2	10.4	45.7	0.40	0.35	8.2	0.136	2.33	1.2
K862937		37.5	31.5	0.007	0.28	17.25	1.5	1	3.7	19.3	0.15	0.16	2.8	0.033	0.37	0.6
K862938		1.8	1.4	<0.002	<0.01	0.22	0.2	1	0.2	53.2	<0.05	<0.05	<0.2	<0.005	0.02	0.4
K862939		240	187.5	0.003	0.33	94.8	8.4	2	9.3	126.0	0.43	0.62	13.7	0.153	2.85	2.7
K862940		24.3	154.5	<0.002	0.32	4.17	10.1	3	6.2	90.1	0.36	0.33	18.1	0.167	2.24	2.0
K862941		84.6	194.0	<0.002	1.01	5.70	10.7	3	9.6	51.4	0.34	2.75	11.3	0.155	2.64	1.3
K862942		422	250	<0.002	0.52	25.7	11.8	3	59.5	23.6	0.47	2.62	6.9	0.210	3.00	1.2
K862943		173.0	247	<0.002	0.53	15.05	10.8	4	15.2	32.8	0.49	3.86	7.9	0.215	3.64	1.3
K862944		41.3	152.5	<0.002	0.54	3.52	10.2	2	3.5	172.5	0.36	0.31	18.2	0.171	2.36	1.9
K862945		189.0	146.5	0.002	0.61	19.25	9.2	3	8.3	106.0	0.44	0.66	18.9	0.189	2.53	3.8
K862946		46.1	95.2	<0.002	0.06	5.05	9.0	1	2.3	161.0	0.73	0.42	16.3	0.261	1.68	5.5
K862947		53.0	169.5	<0.002	0.12	12.10	10.1	2	3.4	30.3	0.57	0.38	15.8	0.222	2.76	4.0
K862948		40.0	165.0	<0.002	0.17	12.60	9.7	2	3.9	42.7	0.49	0.33	15.2	0.207	2.45	2.7
K862949		141.0	209	<0.002	0.98	11.35	9.4	1	7.0	63.4	0.43	0.33	15.3	0.195	3.16	2.2
K862950		80.3	148.0	<0.002	0.45	9.48	9.5	2	2.8	143.0	0.55	0.65	13.8	0.233	2.39	3.2
K862951		1325	174.0	<0.002	4.77	69.2	9.3	2	8.3	95.5	0.53	1.70	10.6	0.217	2.50	4.9
K862952		202	197.0	<0.002	1.06	21.6	9.2	6	9.0	84.0	0.40	1.30	12.6	0.188	3.80	2.2
K862953		653	217	<0.002	1.00	35.9	10.3	11	8.1	190.5	0.28	1.77	17.8	0.149	3.41	2.6
K862954		190.0	207	<0.002	0.93	77.2	9.3	4	14.3	217	0.31	1.96	16.8	0.140	3.36	1.6
K862955		52.7	156.5	<0.002	0.76	4.90	10.7	1	8.1	220	0.41	0.79	17.4	0.182	2.34	2.6
K862956		154.0	164.0	<0.002	2.00	6.74	10.4	3	16.6	116.0	0.19	2.63	11.4	0.143	2.43	1.6
K862957		64.2	153.0	<0.002	0.94	3.45	11.4	2	8.3	163.5	0.30	0.73	11.7	0.156	2.28	1.7
K862958		72.1	174.5	<0.002	1.69	3.77	15.8	2	12.0	111.0	0.25	1.99	8.7	0.233	2.54	2.4
K862959		41.6	150.0	<0.002	0.70	3.65	9.4	3	4.7	120.0	0.28	0.61	11.1	0.120	2.33	1.1
K862960		81.6	148.5	<0.002	1.38	7.82	8.7	2	10.6	91.1	0.28	1.53	16.2	0.130	2.46	1.5
K862961		491	175.5	<0.002	1.68	28.9	7.2	2	6.5	42.1	0.41	1.05	11.4	0.166	3.27	1.5
K862962		284	190.5	<0.002	1.58	14.40	9.0	2	6.2	43.2	0.37	0.49	20.8	0.148	3.45	1.6
K862963		113.0	163.5	<0.002	0.68	4.07	10.6	2	5.0	135.0	0.32	0.51	17.4	0.138	2.83	1.7
K862964		92.9	178.0	<0.002	1.55	8.84	9.1	2	8.2	28.6	0.26	0.91	14.4	0.123	2.91	1.3

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16- JUL- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13121817

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K862929		125	14.9	6.7	89	123.5
K862930		49	9.6	4.4	12	25.8
K862931		59	7.8	5.4	43	29.5
K862932		66	5.1	7.7	148	27.4
K862933		54	8.2	6.0	85	22.7
K862934		65	5.1	8.4	160	25.1
K862935		66	12.3	7.8	125	26.4
K862936		58	12.0	4.3	44	23.7
K862937		21	3.8	1.8	23	8.0
K862938		2	0.1	0.7	19	<0.5
K862939		57	7.5	6.9	69	25.8
K862940		63	7.6	9.2	116	25.2
K862941		65	6.1	6.6	48	27.1
K862942		79	16.8	4.1	24	34.1
K862943		68	8.8	6.0	37	32.8
K862944		64	2.7	10.3	155	26.0
K862945		65	5.5	7.6	180	52.6
K862946		63	2.7	18.3	337	106.0
K862947		66	2.9	11.7	244	27.4
K862948		68	2.7	8.1	135	28.1
K862949		62	6.3	6.9	121	27.3
K862950		74	2.0	9.2	243	28.5
K862951		64	5.6	10.7	2350	30.4
K862952		63	5.5	6.7	126	24.7
K862953		68	4.4	7.4	122	25.0
K862954		65	6.7	5.8	84	25.5
K862955		66	3.8	7.3	91	27.2
K862956		77	4.0	5.9	60	62.6
K862957		82	3.1	6.1	68	46.4
K862958		121	4.6	6.0	99	119.0
K862959		67	2.9	3.8	68	22.4
K862960		59	2.9	6.0	58	25.2
K862961		55	4.9	5.5	64	30.4
K862962		57	3.9	6.0	91	29.9
K862963		64	2.5	5.4	131	28.0
K862964		60	4.8	6.3	54	27.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16- JUL- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13121817

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

	REE's may not be totally soluble in this method.
Applies to Method:	ME- MS61
	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method:	ME- MS61

LABORATORY ADDRESSES

	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
Applies to Method:	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21
	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
Applies to Method:	Au- AA24	ME- MS61		

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VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2013
This copy reported on 22-AUG-2013
Account: ROCKHA

CERTIFICATE WH13121818

Project: KLAZA-41

P.O. No.: Batch 15

This report is for 37 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
EXTRA-01	Extra Sample received in Shipment
CRU-31	Fine crushing - 70%<2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

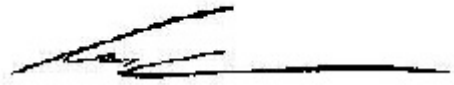
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13121818

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L840818		3.56	0.026	1.41	7.50	41.0	1580	0.87	5.14	0.13	0.20	48.2	1.8	12	7.13	52.3
L840819		5.69	0.016	1.65	6.99	61.2	1630	1.43	4.99	0.23	0.30	48.4	3.0	19	8.18	69.2
L840820		5.73	0.028	2.91	7.54	82.6	1480	1.86	8.73	0.19	0.50	51.5	4.8	22	8.50	139.5
L840821		5.74	0.055	0.93	6.94	48.0	1300	1.26	3.19	0.55	0.45	38.3	5.9	21	6.38	118.0
L840822		5.08	0.030	1.05	7.35	47.6	1540	1.36	1.94	0.92	0.49	45.1	9.0	17	5.60	143.5
L840823		6.70	0.036	0.72	7.75	42.1	1250	1.45	2.82	0.85	0.51	43.6	9.7	22	7.04	165.0
L840824		5.72	0.015	0.62	7.71	32.7	1200	1.31	1.57	1.27	0.51	37.4	13.7	17	5.43	148.5
L840825		5.83	0.013	0.63	7.85	35.9	1160	1.40	2.30	1.09	0.44	35.7	12.2	23	6.49	165.0
L840826		5.19	0.014	0.85	7.81	36.0	1230	1.23	1.42	1.01	0.34	29.6	10.7	19	5.70	164.5
L840827		5.53	0.020	1.00	8.26	43.4	1300	1.42	2.09	1.12	0.40	39.2	11.2	21	6.33	192.5
L840828		4.63	0.264	17.85	7.58	81.4	1260	1.49	21.3	0.36	0.37	47.2	3.9	17	7.71	158.0
L840829		4.52	0.029	1.36	7.24	40.1	1180	1.27	3.89	0.77	0.20	35.5	5.1	18	6.53	127.0
L840830		5.27	0.025	0.75	7.47	57.1	1100	1.23	13.30	0.12	0.10	52.9	2.1	18	12.00	113.5
L840831		4.41	0.034	0.74	7.48	50.2	2180	1.17	10.20	0.14	0.09	74.0	1.5	23	22.3	130.5
L840832		4.09	0.019	0.51	7.07	38.4	1790	0.91	6.78	0.12	0.05	54.0	0.9	18	18.85	81.1
L840833		2.66	<0.005	0.01	0.07	<5	40	0.06	0.10	20.3	0.07	1.16	0.6	<1	0.21	2.3
L840834		4.87	0.022	0.65	7.57	42.8	1960	1.08	6.42	0.11	0.09	53.8	1.5	19	10.75	80.9
L840835		5.45	0.025	0.68	7.29	56.4	1380	1.27	6.60	0.16	0.06	61.8	1.3	16	10.70	47.8
L840836		4.68	0.023	0.70	7.73	81.6	1510	1.32	9.11	0.10	0.09	65.0	1.7	20	10.60	66.8
L840837		4.80	0.028	1.09	7.22	66.9	1690	1.04	5.99	0.14	0.09	51.7	2.1	16	6.10	67.6
L840838		5.30	0.029	0.76	7.33	47.5	1740	1.00	9.19	0.13	0.11	50.9	2.3	12	8.50	81.7
L840839		5.27	0.052	1.11	7.59	47.6	1440	1.06	25.5	0.16	0.08	59.6	1.9	13	9.59	75.6
L840840		5.43	0.032	1.52	7.98	27.9	1360	1.08	35.2	0.11	0.16	55.0	0.8	10	13.25	54.8
L840841		Not Recvd														
L840842		5.22	0.047	1.68	7.38	57.9	1340	0.92	12.30	0.09	0.11	57.4	1.0	11	12.50	105.0
L840843		5.07	0.026	0.60	7.77	98.6	1310	1.01	6.30	0.15	0.08	107.5	2.3	15	13.85	242
L840844		3.75	0.029	0.58	6.96	113.0	1090	0.83	3.48	0.15	0.09	57.0	1.1	10	8.34	159.0
L840845		3.95	0.027	0.52	7.75	62.0	1610	0.97	3.75	0.18	0.11	46.1	1.4	16	12.05	201
L840846		3.89	0.021	0.47	7.58	48.6	1530	0.88	3.96	0.12	0.09	36.3	1.5	10	9.51	197.0
L840847		0.29	1.780	40.6	5.62	2440	140	1.16	37.9	1.64	45.2	35.2	16.6	21	9.56	1170
L840848		6.00	0.055	0.99	8.04	96.4	1570	1.08	9.32	0.14	0.13	53.5	2.3	13	9.55	213
L840849		4.55	0.028	1.51	8.10	72.5	970	1.36	11.80	0.12	0.09	64.8	3.2	15	8.67	114.5
L840850		4.04	0.020	2.72	7.63	117.0	1260	1.09	25.1	0.10	0.19	71.6	2.5	10	12.50	169.5
L840851		4.30	0.019	2.29	7.70	167.5	1020	1.27	16.05	0.06	0.25	52.4	9.9	11	11.10	244
L840852		5.94	0.019	0.57	7.88	122.5	1180	1.34	5.77	0.06	0.18	64.1	12.0	10	11.45	169.0
L840853		4.43	0.017	0.32	7.61	113.5	1230	1.25	3.00	0.18	0.17	59.9	3.4	10	11.10	207
Q006100		5.22	0.052	1.67	7.13	41.4	1170	0.92	23.2	0.12	0.12	53.3	1.2	11	11.60	81.2

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Finalized Date: 16-JUL-2013
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Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13121818

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L840818		3.17	18.05	0.16	1.0	0.052	2.91	27.7	22.2	0.35	104	3.19	0.14	3.8	2.2	630
L840819		2.31	18.65	0.16	2.4	0.044	2.81	25.1	21.2	0.41	114	4.42	0.26	5.1	3.3	540
L840820		2.86	18.75	0.19	2.8	0.053	3.20	26.7	17.6	0.43	133	5.46	0.26	4.2	5.4	620
L840821		2.72	15.15	0.17	2.1	0.047	2.64	19.6	17.9	0.44	183	4.66	0.74	4.6	5.5	560
L840822		3.22	15.05	0.19	1.5	0.082	2.37	24.2	17.0	0.54	282	5.40	1.12	6.3	7.3	600
L840823		3.73	15.65	0.19	1.7	0.061	2.62	23.7	18.0	0.59	309	6.38	1.16	5.8	8.0	670
L840824		3.63	15.30	0.17	1.6	0.054	2.34	19.6	20.2	0.68	455	4.63	1.46	6.4	8.4	660
L840825		4.21	15.65	0.21	1.6	0.060	2.26	18.8	22.4	0.70	419	4.89	1.38	6.2	9.3	660
L840826		4.17	15.00	0.16	1.7	0.058	2.23	15.1	23.6	0.70	379	5.10	1.33	5.6	9.0	660
L840827		4.78	16.30	0.18	1.6	0.058	2.38	20.5	22.3	0.69	400	8.53	1.36	6.2	9.5	810
L840828		3.87	17.10	0.16	1.4	0.157	2.92	25.3	17.0	0.53	140	8.86	0.48	3.4	5.3	690
L840829		3.82	15.15	0.16	1.3	0.067	2.39	19.7	15.6	0.52	219	6.97	1.17	4.9	5.4	580
L840830		3.08	18.50	0.15	2.4	0.035	2.32	29.0	38.8	0.36	56	6.90	0.19	3.5	3.4	700
L840831		5.22	18.70	0.16	2.8	0.098	3.24	39.7	36.5	0.41	39	8.06	0.15	3.2	3.5	1160
L840832		5.03	20.2	0.15	2.4	0.086	3.44	30.5	24.7	0.41	33	5.14	0.15	2.8	1.5	900
L840833		0.48	0.25	0.24	<0.1	<0.005	0.03	0.6	1.2	12.15	200	0.14	<0.01	0.1	1.5	160
L840834		4.16	18.45	0.24	2.4	0.067	3.04	30.2	20.2	0.41	40	5.08	0.18	3.2	1.6	700
L840835		2.93	18.50	0.22	2.2	0.057	3.21	34.6	13.3	0.42	36	5.13	0.15	3.0	1.5	490
L840836		3.27	18.35	0.24	3.5	0.050	3.41	36.6	14.5	0.42	48	5.99	0.16	3.1	1.9	670
L840837		4.40	19.30	0.25	2.3	0.072	3.67	28.8	10.1	0.37	69	7.83	0.24	3.8	2.3	640
L840838		4.53	18.25	0.20	1.2	0.044	3.58	28.1	11.1	0.41	76	7.41	0.20	3.1	2.0	540
L840839		4.52	18.70	0.22	1.3	0.046	3.66	33.4	12.0	0.46	70	10.25	0.24	3.1	2.0	580
L840840		4.00	17.50	0.21	1.3	0.053	3.80	30.7	12.8	0.51	44	4.62	0.10	2.6	1.1	440
L840841																
L840842		5.29	17.80	0.20	0.7	0.068	3.58	32.3	18.4	0.45	38	7.69	0.14	2.5	1.5	780
L840843		6.34	18.10	0.25	0.6	0.118	2.86	52.1	29.0	0.51	40	9.32	0.19	2.4	5.0	1710
L840844		5.74	16.40	0.17	0.5	0.066	2.94	28.2	19.9	0.48	36	6.29	0.22	2.3	2.1	1270
L840845		5.11	14.90	0.18	0.6	0.047	2.75	21.4	26.3	0.54	43	12.20	0.42	2.6	5.5	1080
L840846		4.36	16.45	0.17	0.6	0.034	3.29	19.6	21.7	0.63	44	11.25	0.32	2.5	4.1	680
L840847		8.59	13.60	0.16	0.8	1.430	2.62	18.3	15.5	0.66	2270	15.85	0.06	4.5	14.3	430
L840848		5.14	16.95	0.18	0.9	0.049	2.99	30.5	21.7	0.52	66	24.5	0.36	2.9	4.0	900
L840849		3.09	17.65	0.18	2.0	0.056	3.26	35.3	21.6	0.47	88	25.3	0.16	3.5	1.6	570
L840850		4.37	16.35	0.17	0.6	0.045	3.07	38.2	17.8	0.46	65	16.10	0.22	1.9	1.6	810
L840851		4.39	16.35	0.16	0.6	0.050	3.27	30.4	15.6	0.43	254	14.55	0.09	2.1	1.6	790
L840852		4.29	16.15	0.17	0.5	0.030	3.13	33.6	18.2	0.47	184	10.15	0.31	1.8	2.3	760
L840853		4.76	14.90	0.17	0.6	0.035	2.54	32.3	16.1	0.55	60	8.57	0.88	1.9	3.2	1130
Q006100		4.45	17.35	0.16	0.6	0.056	3.49	31.0	12.6	0.49	48	6.63	0.18	2.4	1.8	550

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Finalized Date: 16- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13121818

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L840818		49.0	140.0	<0.002	0.74	24.8	9.2	2	5.7	121.5	0.36	0.28	8.3	0.137	1.82	1.5
L840819		53.4	136.0	<0.002	0.25	21.5	7.3	2	4.0	118.5	0.42	0.44	7.9	0.163	1.97	3.1
L840820		43.1	163.0	<0.002	0.15	30.4	7.3	1	3.2	101.5	0.34	0.93	9.0	0.162	2.32	4.0
L840821		39.9	109.5	<0.002	0.10	17.20	7.9	1	2.8	175.0	0.38	0.34	7.9	0.198	1.51	3.1
L840822		55.0	106.0	<0.002	0.09	12.00	9.7	1	2.4	223	0.48	0.23	8.5	0.239	1.27	3.2
L840823		40.1	115.0	<0.002	0.07	11.85	10.0	2	2.8	252	0.47	0.33	9.5	0.248	1.39	3.5
L840824		39.5	95.7	<0.002	0.02	9.86	10.5	1	1.8	290	0.51	0.14	9.8	0.262	0.96	3.3
L840825		41.2	95.2	<0.002	0.02	11.45	11.3	1	1.8	291	0.46	0.20	8.1	0.288	1.02	3.7
L840826		35.4	87.9	<0.002	0.02	11.20	10.8	1	1.8	280	0.43	0.15	7.4	0.285	0.93	3.7
L840827		38.9	99.3	<0.002	0.03	15.75	11.6	1	1.8	336	0.44	0.22	8.5	0.292	1.20	4.5
L840828		351	164.5	<0.002	0.13	217	8.1	2	3.1	134.0	0.26	0.66	8.0	0.170	2.07	2.9
L840829		45.0	111.5	<0.002	0.07	15.35	7.9	1	2.5	231	0.41	0.26	8.1	0.202	1.52	2.5
L840830		28.1	123.5	<0.002	0.27	34.7	6.3	1	3.1	159.0	0.31	0.84	12.2	0.150	1.74	3.2
L840831		31.1	145.0	<0.002	1.25	17.20	7.0	2	2.7	277	0.28	0.85	16.6	0.127	2.21	3.2
L840832		33.5	166.5	<0.002	1.38	9.87	7.6	2	2.8	158.0	0.21	0.77	23.6	0.115	2.30	2.6
L840833		1.4	1.4	<0.002	0.01	0.12	0.2	<1	<0.2	47.7	<0.05	<0.05	<0.2	<0.005	0.02	0.5
L840834		32.4	151.5	<0.002	0.77	12.05	6.6	2	2.9	112.0	0.25	0.63	16.8	0.131	2.11	2.4
L840835		40.1	164.0	<0.002	0.50	15.10	6.3	1	2.8	96.0	0.24	0.73	13.4	0.113	2.32	2.0
L840836		47.8	177.0	<0.002	0.42	22.7	6.8	2	3.2	113.5	0.24	1.51	14.7	0.126	2.52	3.0
L840837		44.9	170.5	<0.002	0.82	15.70	6.1	4	14.3	117.5	0.30	0.80	14.3	0.142	2.09	2.4
L840838		30.9	171.5	<0.002	0.82	11.55	9.2	3	10.4	111.5	0.28	0.58	13.8	0.128	2.20	1.5
L840839		36.3	179.0	<0.002	0.83	10.85	10.0	3	11.0	133.5	0.29	0.82	14.1	0.139	2.32	1.7
L840840		41.4	198.0	<0.002	0.81	8.57	10.2	3	7.3	100.5	0.23	1.07	12.5	0.124	2.44	1.5
L840841																
L840842		39.5	182.5	<0.002	1.36	11.95	11.2	4	7.8	225	0.25	0.64	21.9	0.123	2.44	1.1
L840843		37.2	132.5	<0.002	1.80	14.10	12.6	4	5.8	562	0.21	0.36	40.4	0.119	1.92	1.7
L840844		27.3	139.0	<0.002	1.71	8.47	10.3	3	5.1	415	0.22	0.26	22.4	0.123	1.93	1.2
L840845		25.8	122.5	<0.002	1.25	8.32	11.0	3	3.3	367	0.23	0.21	20.3	0.125	1.80	1.5
L840846		21.3	156.5	<0.002	0.51	9.18	11.7	2	5.4	208	0.23	0.30	13.4	0.130	2.33	1.8
L840847		1610	145.0	0.002	7.65	103.0	7.9	2	9.9	61.8	0.37	0.81	8.2	0.162	2.03	5.0
L840848		54.8	141.5	<0.002	0.65	17.35	11.6	3	5.7	221	0.26	0.39	18.3	0.148	2.06	2.5
L840849		52.2	151.5	<0.002	0.47	17.00	8.7	2	4.5	136.5	0.29	0.52	12.0	0.151	2.23	2.4
L840850		139.5	155.5	0.002	0.74	12.95	10.6	3	3.5	184.0	0.19	0.46	17.7	0.103	2.48	1.6
L840851		86.0	216	0.002	0.44	37.2	10.8	3	3.6	116.0	0.20	0.48	14.0	0.113	3.11	2.1
L840852		28.5	174.5	<0.002	0.42	8.53	11.0	3	3.2	180.5	0.17	0.28	16.0	0.103	2.55	2.4
L840853		19.3	124.5	<0.002	0.54	6.78	11.3	2	2.7	308	0.20	0.19	18.8	0.103	2.06	3.2
Q006100		40.6	185.5	<0.002	0.94	9.72	10.8	2	6.5	172.0	0.23	2.01	14.0	0.116	2.47	1.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13121818

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
L840818		71	8.4	4.6	22	28.9
L840819		60	9.4	6.2	27	84.3
L840820		61	6.4	8.6	59	95.8
L840821		72	5.4	8.8	67	69.1
L840822		77	3.7	14.3	100	49.9
L840823		86	4.9	13.3	98	53.6
L840824		88	2.9	15.4	98	48.6
L840825		98	2.9	15.3	122	52.8
L840826		98	3.5	12.6	105	54.2
L840827		103	3.1	12.2	115	56.2
L840828		70	5.2	6.2	58	41.9
L840829		69	3.8	6.4	57	38.5
L840830		57	6.5	6.3	31	76.5
L840831		56	5.9	5.8	20	97.5
L840832		56	3.4	5.9	15	90.6
L840833		2	0.1	0.7	16	0.5
L840834		60	8.0	5.7	32	83.1
L840835		50	8.0	4.7	23	74.2
L840836		56	10.9	6.7	33	136.0
L840837		47	9.5	4.7	24	75.6
L840838		69	9.6	5.1	30	34.6
L840839		79	10.3	4.7	22	44.8
L840840		76	11.2	4.2	18	40.2
L840841						
L840842		82	8.1	4.8	18	15.3
L840843		81	7.0	4.8	24	13.2
L840844		77	7.4	4.2	15	11.0
L840845		79	8.5	5.1	20	13.9
L840846		86	7.4	5.3	21	13.3
L840847		56	6.6	8.3	3250	21.2
L840848		88	8.6	5.1	35	27.6
L840849		76	5.5	5.5	38	66.5
L840850		80	3.8	3.9	34	11.9
L840851		81	4.5	5.5	230	11.3
L840852		81	5.2	10.1	202	10.2
L840853		80	4.5	6.9	79	11.7
Q006100		79	8.0	4.2	21	14.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13121818

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	EXTRA- 01	LOG- 22
	LOG- 23	PUL- 31	PUL- QC	SPL- 21
	WEI- 21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2013
Account: ROCKHA

CERTIFICATE WH13121819

Project: KLAZA-42

P.O. No.: Batch 17

This report is for 33 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

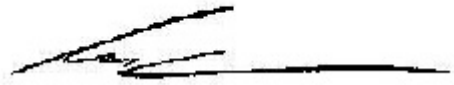
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13121819

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K862965		5.59	0.184	1.13	8.23	60.4	900	1.51	4.32	0.05	0.26	52.7	1.6	11	14.40	210
K862966		5.05	0.098	1.10	6.81	137.5	430	1.03	6.62	0.14	0.23	54.0	1.5	8	12.25	105.0
K862967		7.70	2.77	4.01	7.35	61.9	1130	1.22	49.4	0.05	0.08	70.1	0.4	9	7.72	17.3
K862968		5.64	0.739	3.54	6.04	197.0	680	0.99	22.8	0.13	0.29	59.0	0.7	7	12.30	96.4
K862969		7.11	0.249	1.65	7.35	72.2	760	1.12	6.13	0.13	0.32	76.7	2.8	9	14.70	186.0
K862970		6.71	2.43	2.81	6.91	75.4	590	1.11	21.0	0.14	0.23	66.7	1.4	9	12.10	125.5
K862971		7.36	0.357	1.63	6.55	193.5	960	1.10	3.36	0.13	0.28	68.1	1.0	8	14.65	54.4
K862972		0.61	<0.005	0.04	0.09	<5	30	0.05	0.24	22.3	0.08	1.42	0.6	1	0.18	2.5
K862973		3.53	0.071	0.40	7.83	18.4	1670	1.41	1.39	0.27	0.13	42.3	2.2	8	24.6	141.0
K862974		6.33	0.079	0.29	8.03	27.5	1640	1.45	1.26	0.22	0.10	54.3	2.4	11	18.90	58.0
K862975		7.08	0.061	0.49	6.94	55.4	980	1.02	2.11	0.10	0.12	71.9	3.0	8	14.20	16.1
K862976		6.59	0.124	0.34	7.54	47.9	1610	1.23	1.87	0.15	0.10	64.5	2.2	10	16.30	37.7
K862977		6.73	0.062	0.39	7.51	61.3	1570	1.24	1.77	0.11	0.05	56.3	1.5	8	10.45	24.2
K862978		6.95	0.508	0.99	7.38	51.7	1110	1.23	3.05	0.09	0.18	40.2	4.6	8	14.95	47.5
K862979		7.66	0.067	0.64	7.54	41.1	2060	1.23	1.83	0.12	0.25	55.3	2.5	9	11.05	145.0
K862980		4.89	1.010	28.5	5.24	497	490	0.90	104.0	0.03	0.24	56.7	1.1	8	10.30	52.5
K862981		4.52	0.078	1.29	8.20	115.0	1740	1.21	1.71	0.06	0.24	46.2	3.5	9	15.45	119.0
K862982		5.97	1.265	45.6	7.01	434	1040	1.09	333	0.03	0.25	72.7	0.4	8	10.95	34.7
K862983		5.36	0.083	1.59	7.94	65.7	2060	1.48	3.59	0.10	0.48	53.2	4.6	8	17.05	169.0
K862984		3.04	0.085	1.13	7.93	31.6	1880	1.77	3.83	0.27	0.27	59.6	2.9	8	11.25	82.9
K862985		5.56	0.079	0.63	7.76	36.3	3030	1.38	2.01	0.34	0.46	41.4	3.9	8	11.60	42.5
K862986		5.26	0.447	0.57	8.26	81.2	2640	1.31	1.43	0.29	0.54	43.0	3.7	8	14.35	40.4
K862987		5.41	0.067	0.58	7.34	57.0	1380	1.20	1.57	0.16	0.25	63.6	3.7	8	29.3	36.8
K862988		3.76	0.175	4.58	7.55	23.1	1700	1.33	23.9	0.04	0.06	65.1	1.0	9	5.97	11.3
K862989		4.95	0.051	1.14	7.86	45.8	1180	1.32	5.26	0.13	0.16	68.4	1.7	8	14.55	26.3
K862990		7.36	0.065	0.81	8.06	36.1	1420	1.58	2.76	0.24	0.41	48.6	3.1	9	9.75	34.0
K862991		0.25	0.951	12.30	6.47	1660	120	1.45	13.45	1.95	34.3	44.1	17.0	19	13.70	289
K862992		6.83	0.070	0.63	8.17	30.3	1380	1.52	2.06	0.46	0.43	41.2	3.5	10	13.75	40.8
K862993		5.08	0.066	0.62	8.21	31.9	2320	1.47	1.32	0.40	0.29	45.1	3.8	9	17.50	46.4
K862994		6.52	0.086	0.38	7.96	22.6	2300	1.35	1.06	0.48	0.28	42.3	3.4	9	11.55	37.1
K862995		5.77	0.863	0.52	8.21	38.6	1650	1.30	3.28	0.19	0.20	53.1	2.3	9	19.25	49.4
K862996		2.45	0.132	3.90	8.29	91.1	1090	1.61	3.29	0.75	0.63	40.8	6.2	78	18.65	661
K862997		2.73	1.075	>100	7.70	542	760	1.28	863	0.04	0.30	85.5	0.4	46	7.59	53.1

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13121819

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K862965		3.87	16.35	0.18	1.3	0.316	3.10	26.8	16.9	0.28	111	1.13	0.09	5.1	1.4	830
K862966		6.24	15.65	0.15	1.1	0.625	2.75	28.2	16.6	0.28	88	0.84	0.29	3.5	1.0	790
K862967		3.09	16.40	0.17	1.3	0.346	3.94	38.4	6.3	0.35	87	1.14	0.08	4.5	1.0	200
K862968		6.56	15.35	0.13	1.2	0.901	3.31	32.8	6.8	0.28	72	0.83	0.06	3.4	0.6	600
K862969		3.88	15.35	0.15	1.1	0.314	2.67	44.4	9.0	0.32	251	1.64	0.74	3.4	1.6	620
K862970		4.43	15.85	0.13	1.2	0.348	2.56	38.5	8.8	0.26	92	1.48	1.04	3.3	1.0	640
K862971		5.29	16.05	0.14	1.4	0.360	3.09	38.9	8.5	0.30	117	2.33	0.20	3.7	1.2	560
K862972		0.52	0.27	0.11	<0.1	0.011	0.03	0.7	1.0	14.10	218	0.07	0.01	0.2	1.6	170
K862973		4.86	16.25	0.11	1.5	0.101	2.03	24.9	15.1	0.57	115	1.70	1.23	5.0	1.6	640
K862974		4.09	15.90	0.11	1.5	0.061	2.26	32.1	13.4	0.44	124	1.14	1.83	5.0	2.1	620
K862975		6.33	15.40	0.12	1.4	0.200	2.91	45.8	11.5	0.35	116	1.51	0.50	4.0	1.2	570
K862976		4.66	16.70	0.13	1.5	0.094	2.81	37.3	11.0	0.42	124	0.97	1.21	4.8	1.6	580
K862977		3.71	16.90	0.13	1.3	0.066	3.24	33.2	8.1	0.33	81	0.82	0.73	4.2	0.9	450
K862978		4.13	17.35	0.11	1.2	0.233	2.96	22.4	9.1	0.30	103	3.61	0.49	3.9	1.4	630
K862979		3.63	15.30	0.13	1.3	0.146	2.38	30.2	19.6	0.27	121	1.58	0.45	4.8	1.8	540
K862980		3.45	12.10	0.13	0.8	0.227	2.60	38.5	28.5	0.26	105	17.25	0.04	3.4	1.3	290
K862981		3.35	16.90	0.11	1.2	0.248	3.02	25.1	22.8	0.29	183	1.45	0.30	6.3	1.6	510
K862982		4.02	15.65	0.18	1.2	0.560	3.73	44.0	7.0	0.29	88	1.28	0.05	6.2	0.9	240
K862983		4.91	15.45	0.13	1.5	0.221	3.03	30.3	24.3	0.31	201	1.17	0.46	5.8	2.2	620
K862984		4.09	15.40	0.13	1.6	0.122	2.50	39.1	10.0	0.38	138	1.19	2.12	6.0	1.8	520
K862985		4.10	14.65	0.11	1.3	0.133	2.87	23.9	16.6	0.50	185	3.12	1.65	6.5	1.8	600
K862986		3.74	14.50	0.14	1.2	0.093	3.13	24.7	19.6	0.42	177	2.98	1.06	6.2	2.2	580
K862987		5.37	15.10	0.14	1.3	0.227	2.89	36.5	17.2	0.26	109	3.10	0.17	5.8	1.6	620
K862988		1.59	16.90	0.16	1.3	0.163	3.69	39.0	8.4	0.34	67	5.46	0.10	5.6	1.1	140
K862989		2.87	17.05	0.18	1.4	0.236	3.02	40.5	18.6	0.41	105	2.74	0.30	6.0	1.2	610
K862990		2.94	17.65	0.15	1.4	0.221	2.62	27.6	9.4	0.51	130	6.86	1.38	5.6	1.5	640
K862991		6.57	14.55	0.12	1.2	0.806	2.89	23.1	19.3	0.76	1900	8.50	0.13	6.3	12.3	550
K862992		3.48	17.55	0.13	1.1	0.152	2.04	25.9	12.4	0.87	210	8.54	2.08	5.9	2.4	860
K862993		3.59	17.70	0.14	1.3	0.208	2.64	29.0	12.3	0.72	156	8.12	1.65	6.7	2.0	660
K862994		3.47	15.00	0.12	1.0	0.123	2.57	25.3	11.1	0.59	164	4.04	2.09	6.4	1.9	660
K862995		2.78	17.45	0.13	1.1	0.088	3.03	30.0	17.7	0.30	71	1.93	1.02	6.2	1.5	530
K862996		5.43	19.70	0.15	3.3	0.197	2.60	17.5	16.9	1.03	141	52.6	0.68	3.9	10.8	800
K862997		2.01	19.40	0.18	2.9	1.050	3.90	52.6	8.8	0.37	69	39.6	0.07	5.0	1.1	220

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13121819

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K862965		59.5	165.5	<0.002	0.56	22.9	11.7	1	4.2	45.2	0.48	0.37	16.8	0.201	2.89	3.3
K862966		70.6	150.5	<0.002	1.98	7.55	9.7	2	3.9	117.5	0.34	1.62	20.3	0.154	2.55	1.7
K862967		98.9	225	<0.002	0.90	11.15	7.6	3	13.7	24.6	0.41	0.44	13.2	0.171	3.21	1.2
K862968		96.3	189.5	<0.002	2.29	5.75	8.4	2	7.2	33.0	0.31	1.20	16.1	0.141	3.03	1.5
K862969		84.9	154.0	<0.002	0.82	5.56	9.2	2	4.7	82.1	0.33	0.64	16.6	0.145	2.47	1.6
K862970		66.0	147.0	<0.002	1.23	6.30	9.5	2	4.8	112.5	0.31	0.69	15.1	0.130	2.21	1.4
K862971		152.5	181.0	<0.002	1.65	12.55	8.7	1	4.6	44.5	0.40	0.60	18.0	0.147	3.22	1.6
K862972		2.5	1.8	<0.002	0.04	0.17	0.2	<1	<0.2	48.0	<0.05	<0.05	0.2	<0.005	0.03	0.6
K862973		30.6	119.5	<0.002	0.19	5.26	10.0	2	3.2	136.0	0.45	0.31	18.5	0.186	1.72	2.2
K862974		19.8	113.0	<0.002	0.33	3.85	8.9	2	3.1	189.0	0.49	0.41	14.5	0.184	1.46	2.1
K862975		35.0	155.0	<0.002	1.81	3.97	8.9	2	6.7	72.1	0.39	0.59	12.0	0.147	1.97	1.4
K862976		18.6	158.5	<0.002	1.18	3.63	9.7	1	5.6	141.0	0.44	0.52	18.4	0.180	1.84	1.6
K862977		19.5	157.0	<0.002	1.00	3.56	9.6	2	7.7	95.4	0.38	0.51	12.6	0.165	1.89	1.4
K862978		42.4	157.0	<0.002	0.84	5.99	10.3	2	6.0	74.8	0.37	0.87	18.9	0.146	2.21	2.5
K862979		60.2	122.0	<0.002	0.42	10.95	9.2	1	3.1	80.0	0.49	0.45	16.6	0.168	1.93	2.5
K862980		642	184.0	<0.002	0.97	452	6.3	9	8.9	54.3	0.29	4.30	11.1	0.131	2.33	2.2
K862981		51.1	156.5	<0.002	0.54	23.8	11.5	2	2.6	67.0	0.51	0.34	17.6	0.240	2.54	3.8
K862982		1140	213	<0.002	1.37	77.4	8.2	8	16.0	39.7	0.53	1.45	13.8	0.227	3.32	1.6
K862983		47.1	154.0	<0.002	0.43	7.19	10.8	1	3.0	75.8	0.56	0.33	18.8	0.194	2.36	3.8
K862984		49.9	120.0	<0.002	0.17	5.29	8.7	1	2.8	221	0.62	0.48	18.5	0.188	1.65	2.6
K862985		55.5	127.0	<0.002	0.26	4.79	8.6	1	2.5	210	0.60	0.44	16.1	0.228	1.66	2.6
K862986		34.6	145.0	<0.002	0.10	5.46	8.9	1	2.3	142.0	0.56	0.36	15.3	0.229	2.11	2.5
K862987		33.1	135.0	<0.002	1.30	6.66	8.9	1	3.0	58.2	0.53	0.33	25.1	0.207	2.02	2.4
K862988		137.0	174.5	<0.002	0.30	7.11	9.0	1	12.3	23.6	0.54	0.42	7.2	0.192	2.39	1.2
K862989		98.2	144.5	<0.002	0.37	7.45	10.0	2	8.4	80.8	0.57	0.43	22.7	0.208	2.48	2.1
K862990		71.3	126.0	<0.002	0.14	3.46	10.0	2	4.9	149.0	0.52	0.72	14.8	0.203	2.00	2.8
K862991		1345	159.5	<0.002	4.75	67.6	9.2	2	7.6	95.1	0.54	1.21	11.0	0.219	2.60	5.0
K862992		45.1	101.0	0.002	0.16	3.37	11.1	2	3.5	239	0.46	0.60	16.5	0.239	1.38	3.3
K862993		34.4	115.0	<0.002	0.20	3.64	10.5	2	3.3	206	0.57	0.38	14.8	0.244	1.66	3.1
K862994		30.4	102.5	<0.002	0.16	2.73	8.7	1	2.8	242	0.48	0.26	11.2	0.242	1.37	2.2
K862995		25.0	139.5	<0.002	0.08	8.81	8.8	1	3.5	98.2	0.44	1.77	9.4	0.229	1.92	1.9
K862996		81.2	142.5	0.004	0.82	12.40	15.9	2	3.8	182.0	0.31	0.23	9.4	0.289	2.44	5.1
K862997		685	231	0.007	0.45	95.4	12.0	8	27.2	39.3	0.42	2.00	12.2	0.308	3.18	3.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13121819

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Ag- OG62
	Analyte	V	W	Y	Zn	Zr	Ag
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	1
K862965		73	2.2	7.7	179	31.2	
K862966		65	2.6	7.1	110	27.7	
K862967		55	7.7	5.7	18	30.1	
K862968		57	3.3	6.4	64	27.5	
K862969		67	2.9	6.9	169	27.6	
K862970		62	2.3	6.2	91	31.6	
K862971		63	3.6	6.3	115	34.0	
K862972		2	0.2	0.8	18	0.5	
K862973		68	2.1	5.8	106	36.8	
K862974		68	2.4	7.9	81	37.5	
K862975		61	3.0	8.9	88	34.6	
K862976		67	2.5	8.4	69	35.6	
K862977		66	2.6	7.2	39	31.6	
K862978		65	2.7	8.0	152	32.5	
K862979		65	1.7	8.3	191	30.7	
K862980		45	5.5	5.3	97	20.4	
K862981		72	2.6	7.9	165	28.2	
K862982		61	9.4	6.2	31	28.2	
K862983		64	2.5	10.7	376	33.7	
K862984		62	1.5	8.4	141	37.7	
K862985		68	1.9	7.8	121	32.7	
K862986		69	2.5	11.4	135	27.4	
K862987		62	2.1	9.0	95	31.2	
K862988		66	5.4	5.9	30	30.2	
K862989		68	3.8	7.3	62	34.4	
K862990		75	2.3	9.0	94	36.7	
K862991		66	5.7	11.2	2380	31.8	
K862992		84	2.2	9.3	88	29.0	
K862993		79	3.6	9.3	99	30.3	
K862994		72	2.4	8.3	108	24.7	
K862995		71	3.1	9.2	86	28.8	
K862996		134	3.0	18.2	359	113.0	
K862997		106	25.3	8.9	22	91.0	107

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13121819

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method:	REE's may not be totally soluble in this method. ME- MS61
Applies to Method:	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL) ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Ag- OG62	Au- AA24	ME- MS61	ME- OG62

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

CERTIFICATE WH13123340

Project: KLAZA-41

P.O. No.: Batch 18

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

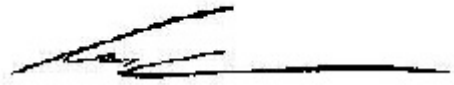
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123340

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L840854		4.89	0.019	0.37	7.75	79.6	1350	1.15	2.88	0.15	0.17	58.7	1.7	11	11.05	212
L840855		6.16	0.013	0.31	7.23	44.5	1600	1.00	2.62	0.10	0.16	98.0	1.1	11	10.25	127.5
L840856		5.33	0.015	0.48	7.57	55.9	980	1.07	4.93	0.04	0.09	53.1	0.7	11	8.34	88.7
L840857		4.12	0.016	0.47	7.31	36.2	1030	1.18	2.84	0.09	0.11	41.2	1.1	13	13.15	98.5
L840858		4.48	0.010	0.33	7.90	50.4	1370	1.40	3.82	0.05	0.11	45.8	1.1	14	9.47	80.9
L840859		4.29	0.016	0.45	7.55	29.4	1700	1.00	2.86	0.18	0.14	36.0	1.1	11	10.15	125.0
L840860		7.73	0.016	0.43	6.76	45.5	1330	0.75	2.97	0.17	0.13	46.1	0.8	10	13.90	142.5
L840861		4.10	0.021	0.44	7.52	48.5	1070	0.88	4.77	0.09	0.07	42.7	0.8	10	12.70	93.1
L840862		5.04	0.020	0.34	6.94	21.9	1340	0.74	2.46	0.13	0.09	50.3	0.7	9	10.35	129.5
L840863		1.08	<0.005	0.01	0.09	<5	30	<0.05	0.06	19.95	0.06	1.31	0.7	1	0.18	6.8
L840864		5.70	0.019	0.42	7.47	26.3	1190	0.82	6.13	0.10	0.11	53.5	0.8	10	10.60	83.1
L840865		5.82	0.024	0.66	8.13	17.0	970	1.03	4.91	0.16	0.09	58.4	0.4	13	23.3	61.8
L840866		4.57	0.034	0.80	7.64	25.3	1100	0.79	4.75	0.13	0.07	46.7	0.7	13	15.00	72.8
L840867		3.35	0.030	0.71	8.32	28.8	1360	1.04	2.74	0.13	0.10	41.5	1.0	10	9.72	98.7
L840868		3.12	0.028	0.63	7.66	39.0	1140	1.13	5.62	0.09	0.08	40.3	1.6	13	8.84	88.5
L840869		3.91	0.055	0.98	7.75	69.8	1250	0.98	5.81	0.08	0.14	36.5	1.7	12	9.10	102.0
L840870		0.26	1.710	36.7	5.61	2440	1440	1.21	30.6	1.72	45.5	38.6	17.5	22	9.73	1210
L840871		4.36	0.028	0.64	7.43	58.0	990	0.83	4.53	0.10	0.16	37.8	1.0	11	8.56	94.6
L840872		5.57	0.031	0.69	7.55	51.5	1280	1.03	4.43	0.29	0.16	47.5	1.8	12	10.95	193.5
L840873		6.77	0.144	1.38	6.57	130.0	1230	0.86	10.90	0.11	0.16	46.8	0.7	11	7.34	121.0
L840874		4.85	0.123	0.81	7.24	77.7	1170	1.05	13.90	0.10	0.11	50.5	0.9	13	8.27	68.7
L840875		4.14	0.029	0.66	7.91	54.8	1260	0.84	3.69	0.09	0.05	28.5	0.6	10	7.95	78.5
L840876		5.13	0.047	0.72	7.71	53.6	790	0.99	14.95	0.10	0.11	50.6	1.1	10	8.61	62.4
L840877		4.36	0.020	0.56	7.69	35.2	1330	1.09	6.44	0.10	0.09	46.9	1.2	10	8.82	53.3
L840878		4.93	0.025	0.90	7.55	47.6	1580	1.19	8.20	0.08	0.15	54.7	1.4	10	10.35	47.0
L840879		3.65	0.022	0.77	7.67	23.8	1440	1.06	7.79	0.07	0.08	51.9	0.9	11	13.45	52.3
L840880		5.32	0.025	0.85	8.17	33.5	3260	0.80	4.07	0.14	0.14	58.9	1.3	10	10.65	121.5
L840881		3.10	0.024	0.92	7.77	16.2	1760	0.90	3.03	0.27	0.14	50.0	0.8	11	11.30	136.0
L840882		5.98	0.036	0.98	7.79	9.2	1490	0.88	2.50	0.36	0.08	47.9	0.8	9	13.20	125.5
L840883		6.13	0.025	0.63	7.14	15.7	1570	0.92	4.25	0.22	0.08	48.4	2.2	11	11.55	88.5
L840884		3.48	0.021	0.51	7.70	13.7	1240	1.60	6.98	0.43	0.10	72.0	1.2	21	11.70	123.5
L840885		3.74	0.063	1.03	7.53	15.1	730	1.10	1.82	0.78	0.14	64.2	3.8	10	18.25	349
L840886		4.76	0.041	1.01	8.02	8.1	4330	1.05	2.75	0.20	0.07	15.60	1.2	8	9.39	108.0
L840887		5.60	0.048	1.08	7.08	10.2	1140	1.39	1.97	0.80	0.18	47.3	4.3	10	12.30	339
L840888		4.10	0.103	3.03	7.75	15.1	2120	1.10	2.19	0.45	0.20	67.9	10.7	10	17.55	500
L840889		3.71	0.074	2.36	7.79	18.7	1550	1.09	3.28	0.15	0.12	68.5	3.0	9	15.95	232

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123340

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L840854		5.20	17.15	0.17	0.6	0.049	2.70	28.9	31.3	0.58	55	9.97	0.61	2.9	4.4	1230
L840855		5.06	15.45	0.20	0.6	0.061	3.26	49.7	25.7	0.47	48	8.63	0.22	2.3	2.3	1440
L840856		4.09	16.15	0.14	0.6	0.049	3.67	28.2	12.5	0.50	42	12.45	0.12	2.3	1.1	1350
L840857		2.99	16.80	0.14	0.8	0.020	2.67	19.2	22.6	0.39	53	7.94	0.09	3.0	1.9	1160
L840858		2.76	16.20	0.14	2.2	0.014	2.97	22.5	27.0	0.46	49	16.75	0.10	3.7	3.2	1010
L840859		3.60	14.95	0.15	0.7	0.030	3.14	17.3	24.3	0.66	50	13.00	0.24	2.8	2.8	840
L840860		3.46	15.30	0.15	0.7	0.044	3.11	24.1	22.5	0.55	40	19.20	0.27	3.4	2.2	890
L840861		2.97	16.15	0.13	0.7	0.051	3.57	22.1	17.6	0.55	44	27.8	0.13	3.2	2.4	740
L840862		3.31	14.65	0.15	0.7	0.035	3.41	26.9	19.7	0.48	38	35.3	0.19	2.8	2.1	770
L840863		0.48	0.26	0.24	<0.1	<0.005	0.03	0.6	1.1	12.70	188	0.88	<0.01	0.1	1.8	170
L840864		2.65	15.30	0.27	0.6	0.039	3.39	28.4	15.6	0.48	47	54.6	0.10	3.0	2.2	630
L840865		2.39	16.70	0.22	0.7	0.017	2.80	33.8	21.9	0.48	41	23.5	0.09	3.5	1.2	480
L840866		4.22	17.60	0.17	0.7	0.032	2.36	26.3	21.7	0.34	41	17.35	0.11	3.7	1.4	740
L840867		3.40	16.30	0.18	0.8	0.027	2.65	24.4	24.8	0.34	42	30.6	0.12	4.1	1.6	610
L840868		3.31	16.00	0.18	1.4	0.027	2.91	22.7	22.1	0.42	48	18.85	0.11	4.3	1.5	560
L840869		3.85	16.15	0.18	0.7	0.054	3.49	19.5	16.9	0.44	51	22.3	0.12	3.3	1.4	650
L840870		8.88	13.30	0.14	0.8	1.665	2.68	20.4	16.4	0.69	2310	16.00	0.06	4.6	14.6	440
L840871		3.87	14.15	0.15	0.7	0.049	2.53	21.0	22.6	0.37	48	15.45	0.10	3.5	1.4	680
L840872		4.51	14.40	0.16	0.6	0.058	2.93	26.7	18.6	0.59	64	20.0	0.54	3.1	2.7	810
L840873		4.54	14.50	0.16	0.7	0.070	3.22	26.5	19.5	0.37	51	42.5	0.15	2.8	1.4	760
L840874		3.35	13.45	0.15	1.1	0.065	3.07	28.3	20.0	0.41	52	23.4	0.10	3.1	1.3	640
L840875		3.66	15.75	0.14	0.7	0.082	2.21	15.0	27.2	0.27	29	47.6	0.07	3.2	2.2	700
L840876		3.43	15.20	0.16	0.6	0.087	2.60	29.0	21.9	0.36	43	29.7	0.08	2.3	2.6	640
L840877		2.26	15.10	0.14	0.7	0.050	3.01	26.9	21.8	0.57	53	33.2	0.11	3.3	2.4	440
L840878		2.20	15.55	0.15	0.6	0.048	3.54	29.9	17.7	0.65	57	34.3	0.11	3.2	1.6	390
L840879		2.14	14.20	0.17	0.7	0.062	3.73	28.5	16.6	0.57	49	38.7	0.10	3.1	2.0	440
L840880		2.97	12.50	0.17	0.6	0.119	5.00	28.6	19.7	0.67	57	49.8	0.26	2.7	3.6	950
L840881		3.01	14.40	0.18	0.7	0.168	3.31	24.1	17.9	0.54	49	44.2	0.82	3.4	3.6	830
L840882		2.89	14.30	0.17	0.6	0.092	3.08	25.2	19.7	0.89	69	21.8	0.90	3.3	2.8	670
L840883		3.53	15.55	0.18	1.0	0.039	3.21	26.4	19.5	0.91	76	26.7	0.52	3.1	3.4	690
L840884		3.83	19.75	0.20	2.6	0.025	2.71	39.3	14.6	1.06	74	21.4	1.99	4.8	1.6	1050
L840885		5.91	17.25	0.19	0.7	0.088	2.65	35.8	18.6	1.93	244	47.2	1.29	2.2	3.5	1510
L840886		3.24	12.45	0.13	0.6	0.052	5.39	6.4	8.6	0.72	65	36.9	0.84	1.9	1.2	990
L840887		5.46	16.55	0.17	0.6	0.075	2.81	24.5	16.3	1.63	212	16.20	1.37	1.9	2.7	1380
L840888		7.58	16.70	0.24	0.6	0.147	3.68	34.1	18.6	1.50	271	46.3	0.90	1.9	5.0	1800
L840889		6.32	16.80	0.20	0.6	0.143	3.78	39.5	19.5	0.93	77	28.5	0.23	1.5	1.3	1140

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123340

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L840854		18.6	130.0	0.002	0.70	6.83	13.1	4	5.5	308	0.27	0.25	19.0	0.134	2.44	2.6
L840855		16.0	147.0	<0.002	1.20	6.30	11.8	4	5.6	494	0.21	0.37	27.1	0.128	2.13	1.8
L840856		14.6	178.0	<0.002	0.46	9.59	11.5	3	18.6	230	0.22	0.62	15.1	0.125	2.30	1.6
L840857		14.3	111.0	<0.002	0.50	11.90	11.2	2	7.4	239	0.29	0.38	9.6	0.141	1.99	1.8
L840858		12.3	122.0	<0.002	0.28	18.35	10.5	3	5.0	164.0	0.27	0.41	8.8	0.159	1.98	3.0
L840859		17.6	134.0	<0.002	0.64	6.65	11.5	4	4.4	326	0.24	0.31	13.2	0.140	2.11	1.4
L840860		26.8	140.0	<0.002	0.71	8.05	12.2	4	4.8	416	0.31	0.26	21.2	0.158	1.97	1.7
L840861		19.4	170.0	<0.002	0.56	11.70	11.5	3	13.9	288	0.32	0.78	18.9	0.150	2.17	1.4
L840862		19.5	149.5	<0.002	0.67	8.91	12.1	3	4.7	355	0.25	0.23	22.9	0.136	2.19	1.4
L840863		1.5	1.7	<0.002	0.02	0.13	0.2	1	<0.2	49.3	<0.05	<0.05	0.3	<0.005	0.02	0.6
L840864		20.3	157.5	<0.002	0.51	12.10	11.3	3	10.7	257	0.25	0.44	23.0	0.139	2.07	1.2
L840865		17.9	148.0	<0.002	0.40	19.80	11.5	3	6.4	132.5	0.30	0.29	14.8	0.157	1.97	1.1
L840866		27.5	114.5	<0.002	1.21	14.65	11.0	4	5.6	206	0.33	0.25	25.5	0.178	1.59	1.5
L840867		28.1	124.0	<0.002	0.69	18.15	11.2	5	4.9	206	0.35	0.22	22.0	0.190	1.80	1.6
L840868		18.9	141.0	0.002	0.53	22.6	10.8	5	6.2	166.5	0.34	0.40	18.8	0.181	1.85	1.8
L840869		27.5	174.0	0.002	0.69	22.8	12.3	4	13.1	171.0	0.27	0.76	14.6	0.161	2.13	1.4
L840870		1630	151.5	0.002	7.74	104.0	8.0	2	10.9	64.7	0.35	0.63	8.6	0.171	2.02	5.1
L840871		14.2	123.0	<0.002	0.93	18.35	11.5	4	5.5	237	0.32	0.47	17.6	0.176	1.65	1.4
L840872		18.6	138.0	0.003	0.90	12.40	11.6	5	5.5	314	0.28	0.28	17.1	0.164	2.00	1.6
L840873		32.2	158.0	<0.002	0.94	30.0	10.8	6	8.1	207	0.26	0.47	17.2	0.138	2.03	1.3
L840874		22.2	145.0	<0.002	0.77	26.6	9.6	3	5.2	236	0.25	0.34	14.9	0.158	2.00	1.3
L840875		13.0	109.0	<0.002	0.95	21.2	10.1	3	4.3	269	0.29	0.24	14.7	0.168	1.49	1.3
L840876		19.6	140.5	<0.002	0.64	46.1	10.4	3	8.7	282	0.22	0.51	15.6	0.132	1.96	1.3
L840877		14.8	158.5	<0.002	0.31	23.5	10.9	3	7.1	185.5	0.30	0.40	15.4	0.157	2.10	1.2
L840878		20.3	189.5	0.002	0.28	34.2	10.6	3	9.0	140.5	0.29	0.37	11.9	0.153	2.55	1.1
L840879		16.0	189.5	<0.002	0.39	26.8	10.2	3	8.4	240	0.29	0.39	10.8	0.146	2.67	1.1
L840880		22.3	169.5	<0.002	0.66	13.50	10.4	3	7.3	536	0.24	0.30	18.4	0.135	2.62	1.5
L840881		16.6	132.5	<0.002	0.66	5.37	11.7	3	5.4	489	0.32	0.22	14.3	0.164	2.01	2.2
L840882		16.9	126.5	0.002	0.51	6.44	10.8	3	4.8	436	0.29	0.21	13.6	0.165	2.00	1.8
L840883		15.4	149.5	<0.002	0.85	2.25	9.0	5	9.8	397	0.25	0.60	9.7	0.162	2.12	1.4
L840884		9.4	133.5	0.002	0.87	1.70	8.8	5	5.3	484	0.27	1.60	7.1	0.221	1.98	3.0
L840885		9.0	151.0	0.004	1.06	1.80	25.2	5	6.1	401	0.15	0.25	6.9	0.353	2.49	3.6
L840886		17.7	129.5	0.002	0.91	1.18	15.7	4	7.7	459	0.12	0.27	4.1	0.232	3.15	2.5
L840887		11.2	115.0	0.002	1.15	1.29	25.0	5	5.7	405	0.13	0.25	6.2	0.292	2.42	2.7
L840888		12.3	173.5	0.003	1.64	1.77	21.3	7	6.6	414	0.13	0.32	7.7	0.312	3.03	3.6
L840889		9.9	192.0	0.002	1.75	2.34	21.0	7	10.8	170.0	0.10	0.40	7.4	0.244	3.00	1.6

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123340

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
L840854		90	9.0	5.5	37	13.2
L840855		85	9.2	5.2	16	13.2
L840856		82	10.5	3.8	14	14.5
L840857		87	7.3	2.8	22	18.3
L840858		84	9.3	4.1	17	81.9
L840859		85	6.5	3.8	17	15.4
L840860		80	7.8	7.1	16	17.7
L840861		86	12.8	4.7	13	16.1
L840862		81	10.6	5.3	9	16.0
L840863		2	0.2	0.7	15	<0.5
L840864		81	13.0	4.1	11	16.3
L840865		89	10.3	4.0	9	17.6
L840866		87	8.6	3.8	11	17.3
L840867		86	11.3	5.6	24	18.6
L840868		82	12.5	7.5	25	47.8
L840869		90	13.6	6.9	28	17.1
L840870		56	6.6	8.8	3340	22.7
L840871		91	12.4	5.9	22	17.3
L840872		88	10.6	5.8	28	16.7
L840873		84	12.6	3.9	14	17.0
L840874		83	9.1	4.8	22	33.6
L840875		86	7.1	4.3	12	16.1
L840876		82	7.6	5.6	25	16.0
L840877		83	10.3	4.7	24	18.2
L840878		84	12.8	4.9	25	16.9
L840879		81	10.7	3.5	14	17.3
L840880		81	11.2	3.5	22	17.0
L840881		86	8.7	3.6	21	18.3
L840882		81	6.3	4.0	27	17.5
L840883		81	6.4	4.5	33	39.2
L840884		91	3.5	6.3	29	129.5
L840885		222	5.6	10.2	70	20.4
L840886		151	12.9	5.0	27	17.1
L840887		201	6.3	8.7	71	18.9
L840888		199	5.2	12.0	101	16.6
L840889		199	8.1	5.4	32	19.4

***** See Appendix Page for comments regarding this certificate *****

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123340

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 17-JUL-2013
Account: ROCKHA

CERTIFICATE WH13123341

Project: KLAZA-41

P.O. No.: Batch 19

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

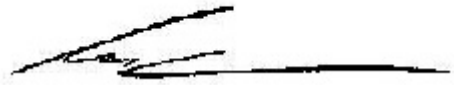
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 17-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123341

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
L840890		4.19	0.078	2.21	7.20	22.1	1950	0.98	2.34	0.18	0.07	50.4	1.8	12	12.90	198.5
L840891		5.82	0.102	1.89	7.64	23.1	1780	1.10	2.84	0.51	0.11	49.8	2.6	6	16.65	211
L840892		4.73	0.057	2.12	7.78	14.5	1460	0.93	3.57	0.39	0.21	49.8	1.6	4	19.70	287
L840893		5.96	0.046	1.72	7.80	13.9	1580	1.17	3.58	0.39	0.19	57.8	2.0	6	19.30	434
L840894		5.85	0.088	1.79	8.39	29.2	2710	1.16	4.35	0.15	0.12	47.5	2.5	6	12.00	298
L840895		4.82	0.023	0.72	8.20	9.4	3190	1.65	2.04	0.20	0.26	68.3	8.6	6	11.45	297
L840896		4.84	0.081	1.57	8.45	14.8	3070	1.24	4.69	0.25	0.11	41.6	2.4	6	18.25	212
L840897		4.98	0.253	6.55	7.68	31.8	1690	1.09	44.7	0.23	0.18	49.0	4.4	6	18.00	244
L840898		5.07	0.046	1.91	7.80	20.4	2040	0.95	2.77	0.43	0.11	43.6	1.4	8	17.20	208
L840899		6.08	0.057	2.35	7.56	33.8	1700	1.07	6.72	0.27	0.36	52.6	5.0	8	15.90	256
L840900		6.48	0.070	2.38	7.91	20.6	2280	1.12	6.87	0.23	0.23	39.0	3.0	9	10.85	199.5
Q006001		5.46	0.064	2.84	7.56	73.0	1730	1.08	10.15	0.24	0.34	49.8	4.4	12	9.52	230
Q006002		6.86	0.047	3.62	7.61	104.0	1440	1.49	19.35	0.08	0.21	62.7	3.2	14	8.66	105.5
Q006003		5.48	0.080	2.53	7.59	47.2	1290	0.90	8.50	0.13	0.19	41.3	1.5	7	11.15	139.0
Q006004		5.76	0.074	2.39	7.76	12.5	1900	1.27	3.19	0.77	0.43	42.3	3.0	6	24.1	349
Q006005		5.46	0.061	2.24	8.22	13.0	2660	1.21	4.83	0.39	0.27	57.6	2.5	9	23.7	245
Q006006		8.24	0.073	1.83	7.39	13.7	2030	0.90	3.58	0.45	0.32	54.6	2.3	7	24.2	290
Q006007		3.76	0.081	1.59	7.75	19.3	2380	1.20	2.41	0.53	0.41	64.4	2.5	3	21.1	365
Q006008		7.26	0.056	2.39	8.49	40.6	2250	1.57	16.30	0.31	0.22	66.4	4.8	9	22.0	244
Q006009		3.45	0.036	1.17	7.65	23.9	1300	1.12	3.90	0.11	0.11	25.0	2.3	27	13.35	83.3
Q006010		3.85	0.038	1.66	7.51	55.7	880	1.21	3.80	0.09	0.10	34.8	0.7	25	13.65	122.0
Q006011		4.16	0.047	1.95	8.48	33.0	2190	1.44	4.91	0.11	0.10	28.8	3.3	13	16.70	132.5
Q006012		4.80	0.044	1.63	8.40	25.5	1850	1.19	4.81	0.14	0.15	25.9	1.7	14	20.4	124.0
Q006013		4.11	0.047	1.62	8.22	39.7	1690	1.16	3.42	0.41	0.27	61.8	1.3	13	40.1	430
Q006014		4.30	0.063	2.09	7.97	34.2	1420	1.02	4.17	0.29	0.16	57.6	1.1	14	35.0	289
Q006015		3.76	0.053	1.68	7.20	29.1	970	0.88	6.40	0.35	0.22	82.5	1.3	37	29.2	380
Q006016		5.52	0.065	2.59	7.40	106.5	1530	1.63	28.0	0.14	0.13	77.1	7.5	17	24.7	251
Q006017		0.92	<0.005	0.02	0.07	<5	30	<0.05	0.20	21.5	0.04	1.37	0.7	1	0.24	8.5
Q006018		5.44	0.074	2.31	8.34	23.7	1690	1.04	11.35	0.10	0.04	55.9	0.4	18	10.75	38.4
Q006019		3.50	0.071	2.76	8.50	35.1	2510	1.18	10.70	0.17	0.03	62.4	0.3	16	10.05	41.9
Q006020		4.80	0.070	3.45	8.44	52.5	1680	1.13	14.00	0.07	0.04	50.6	0.4	17	8.10	51.1
Q006021		4.59	0.067	2.15	8.14	63.2	1650	1.06	15.00	0.13	0.06	87.9	0.5	21	10.30	53.5
Q006022		0.26	1.770	38.8	5.30	2360	260	1.23	32.0	1.64	43.7	33.8	17.2	21	9.93	1105
Q006023		5.43	0.101	3.29	7.49	32.9	1250	0.95	16.00	0.12	0.10	60.3	0.6	18	9.63	48.3
Q006024		4.53	0.129	5.92	8.88	48.9	1380	1.21	56.2	0.10	0.04	30.0	1.2	22	14.70	52.5
Q006025		5.05	0.076	4.91	8.62	49.2	1540	1.28	22.6	0.15	0.08	72.3	1.1	25	16.30	87.8

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123341

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
L840890		5.17	14.75	0.15	1.0	0.124	4.49	25.0	18.3	1.07	117	47.3	0.60	2.1	1.4	1160
L840891		5.28	17.75	0.14	0.7	0.133	3.68	25.9	20.8	1.41	171	37.7	1.07	2.6	2.0	1270
L840892		5.83	17.15	0.15	0.5	0.161	3.84	25.8	23.3	1.41	181	85.5	0.73	2.7	2.4	1470
L840893		5.56	18.80	0.16	0.6	0.181	3.24	27.7	32.9	1.50	233	52.7	0.45	2.9	4.9	1670
L840894		5.75	19.15	0.12	0.6	0.143	3.76	24.9	33.6	0.81	85	30.7	0.20	2.6	2.8	1540
L840895		4.77	17.55	0.14	1.9	0.051	2.52	37.4	39.9	0.73	188	44.9	0.26	3.6	2.6	1300
L840896		5.71	18.20	0.11	0.6	0.199	3.24	21.6	37.9	1.09	119	38.8	0.47	3.0	2.0	1300
L840897		5.29	19.15	0.12	0.6	0.345	2.92	27.2	21.7	1.03	193	39.0	0.32	2.9	1.8	1230
L840898		5.60	18.90	0.12	0.6	0.156	3.83	21.8	19.8	1.54	228	122.5	0.76	2.7	1.7	1240
L840899		5.78	18.70	0.16	0.7	0.196	3.68	27.0	23.0	1.43	213	84.8	0.44	2.8	2.3	1320
L840900		4.84	19.65	0.12	0.7	0.203	3.55	19.1	21.9	1.04	142	59.6	0.29	2.9	2.3	1070
Q006001		4.43	19.15	0.12	1.2	0.239	2.98	27.1	26.2	0.81	162	59.9	0.26	3.6	3.4	1080
Q006002		2.84	21.5	0.11	2.4	0.465	3.71	36.8	14.0	0.53	76	21.9	0.09	4.2	1.1	720
Q006003		4.35	18.70	0.12	0.8	0.237	3.78	24.1	14.5	0.57	72	115.0	0.20	2.8	1.3	960
Q006004		4.55	19.40	0.14	0.8	0.221	2.99	21.5	25.7	1.78	255	187.5	1.11	2.9	2.9	1290
Q006005		4.29	19.35	0.15	0.8	0.162	3.86	31.5	17.4	1.40	150	116.5	0.63	2.9	2.0	1010
Q006006		5.08	17.55	0.15	0.8	0.183	3.32	28.9	18.1	1.26	173	51.1	0.76	2.5	1.6	1070
Q006007		5.03	17.10	0.16	0.7	0.148	3.36	33.7	22.3	1.35	186	121.5	1.02	2.9	1.8	1590
Q006008		5.08	20.2	0.15	0.8	0.189	3.58	35.1	18.9	0.94	146	41.8	0.40	3.0	2.3	1350
Q006009		2.90	16.05	0.09	0.9	0.090	3.80	14.8	16.0	0.56	85	69.1	0.14	3.3	2.0	540
Q006010		6.52	17.75	0.13	0.4	0.123	3.68	27.7	18.9	0.54	40	69.6	0.17	2.3	0.9	1470
Q006011		4.11	19.55	0.11	0.5	0.107	3.72	14.5	25.1	1.12	131	47.6	0.15	3.8	2.0	1250
Q006012		3.98	19.05	0.11	0.5	0.163	3.92	12.7	27.1	1.20	108	29.7	0.14	4.0	1.5	1140
Q006013		5.58	19.60	0.15	0.4	0.305	2.63	30.6	35.5	1.89	241	14.05	0.66	4.1	3.9	1650
Q006014		5.51	19.55	0.15	0.5	0.269	3.28	28.7	25.7	1.66	180	36.0	0.37	3.9	3.6	1350
Q006015		6.57	17.65	0.23	0.6	0.238	2.44	34.4	30.4	1.91	183	12.90	0.24	4.0	8.6	1630
Q006016		5.30	20.8	0.14	2.8	0.205	3.10	41.2	17.0	0.62	194	20.6	0.12	4.1	2.5	1200
Q006017		0.51	0.22	0.06	<0.1	<0.005	0.03	0.7	0.9	13.10	211	0.32	<0.01	0.1	1.6	190
Q006018		1.99	19.50	0.15	1.0	0.283	4.12	31.4	13.9	0.60	69	27.5	0.09	4.8	1.0	620
Q006019		2.36	19.30	0.15	0.8	0.295	4.15	35.7	16.7	0.73	67	28.5	0.09	4.7	1.1	820
Q006020		2.04	20.0	0.14	0.7	0.259	3.84	28.6	17.8	0.59	72	35.1	0.08	4.3	1.1	910
Q006021		3.63	21.0	0.17	0.6	0.432	3.71	46.7	19.7	0.64	70	30.3	0.07	3.5	2.4	2060
Q006022		8.41	14.00	0.12	0.9	1.605	2.45	17.6	15.6	0.65	2240	17.05	0.06	4.8	13.7	430
Q006023		2.91	19.30	0.13	0.6	0.322	3.12	34.1	23.1	0.48	79	36.6	0.06	4.8	1.2	700
Q006024		3.39	20.8	0.11	0.7	0.290	3.59	16.7	20.6	0.58	73	24.3	0.06	5.0	1.4	660
Q006025		4.78	21.4	0.15	0.7	0.674	3.50	38.2	23.9	0.56	80	28.9	0.06	4.7	2.3	1200

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123341

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
L840890		12.9	168.5	0.006	1.45	1.97	16.7	6	9.7	270	0.15	0.26	6.6	0.200	2.92	1.9
L840891		14.8	162.5	0.002	1.51	2.00	20.1	7	10.9	398	0.18	0.30	7.8	0.243	2.84	2.5
L840892		14.6	176.0	0.010	1.65	2.25	18.0	4	8.4	423	0.17	0.33	7.2	0.238	3.08	2.7
L840893		14.5	137.0	0.003	1.52	2.99	23.0	4	9.5	322	0.19	0.44	7.3	0.280	3.08	2.7
L840894		17.2	192.5	0.002	1.57	8.42	22.3	5	9.6	294	0.16	0.34	7.0	0.247	3.18	1.9
L840895		11.4	122.0	<0.002	0.82	3.13	12.9	3	4.0	354	0.27	0.18	10.8	0.196	2.18	2.6
L840896		15.6	164.5	0.002	1.37	3.36	21.4	5	6.1	312	0.18	0.33	7.4	0.271	2.96	1.6
L840897		50.1	158.5	0.005	1.20	15.00	21.8	5	15.4	232	0.18	0.64	7.4	0.258	2.72	2.1
L840898		18.1	161.5	0.004	1.39	1.75	25.5	4	7.7	319	0.18	0.26	7.1	0.284	3.07	2.2
L840899		20.9	188.0	0.004	1.45	2.89	25.2	6	13.0	266	0.18	0.69	8.0	0.270	3.34	2.5
L840900		22.4	168.5	0.004	1.34	5.46	24.4	5	14.1	177.0	0.18	0.58	7.9	0.255	2.81	2.1
Q006001		56.3	151.5	0.004	1.04	49.6	20.6	4	11.5	153.0	0.25	0.49	9.2	0.261	2.84	2.7
Q006002		59.3	206	<0.002	0.55	79.4	10.8	4	9.9	47.4	0.38	0.83	9.7	0.167	3.30	3.2
Q006003		34.7	191.5	0.044	1.38	9.57	22.6	6	21.3	154.0	0.21	0.94	8.8	0.238	2.91	1.8
Q006004		17.3	127.0	0.106	0.87	1.93	23.5	5	10.4	472	0.19	0.40	7.1	0.291	2.92	3.3
Q006005		18.1	192.5	0.006	1.15	2.41	26.3	4	8.2	476	0.19	0.33	8.2	0.275	3.15	3.9
Q006006		16.9	153.5	0.004	1.40	2.12	21.3	5	11.5	432	0.17	0.31	9.4	0.234	2.73	3.6
Q006007		16.1	137.5	0.037	1.24	2.72	15.1	5	10.6	501	0.18	0.27	8.0	0.243	2.71	4.9
Q006008		99.2	203	0.008	1.31	9.68	17.4	4	9.4	261	0.20	0.68	9.7	0.210	3.34	3.3
Q006009		16.4	201	0.006	0.80	10.50	16.0	3	12.7	86.7	0.26	0.36	8.1	0.189	2.83	2.1
Q006010		19.6	206	0.003	2.24	10.50	18.5	6	7.9	129.0	0.17	0.31	11.0	0.169	3.52	3.8
Q006011		18.0	199.5	0.003	1.09	8.62	19.2	5	9.4	116.5	0.25	0.42	7.7	0.223	3.40	3.4
Q006012		16.6	195.5	0.004	1.27	5.42	21.1	3	13.8	106.0	0.27	0.45	10.0	0.252	3.21	4.0
Q006013		14.6	137.0	0.003	1.45	7.60	23.6	3	7.8	315	0.26	0.31	14.3	0.278	3.01	5.0
Q006014		19.7	168.5	0.002	1.66	15.75	23.4	3	9.9	210	0.23	0.47	10.7	0.290	3.29	3.2
Q006015		18.8	127.0	0.004	2.01	18.20	22.0	5	6.6	245	0.27	0.47	14.6	0.256	2.91	2.4
Q006016		23.1	166.5	0.004	0.84	41.9	10.1	4	6.4	294	0.30	1.71	12.7	0.165	3.22	4.2
Q006017		1.2	1.6	<0.002	0.01	0.29	0.2	<1	<0.2	44.8	<0.05	<0.05	<0.2	<0.005	0.03	0.7
Q006018		20.0	206	0.003	0.48	39.1	16.3	3	15.5	371	0.32	0.64	10.1	0.263	3.43	1.6
Q006019		12.8	221	0.003	0.60	82.1	17.3	3	10.4	431	0.35	0.84	13.0	0.229	3.77	1.6
Q006020		17.3	202	0.004	0.41	58.1	18.5	3	16.1	243	0.30	0.86	10.0	0.221	3.59	1.5
Q006021		22.8	209	0.002	1.07	64.7	19.9	4	12.9	456	0.24	0.92	19.2	0.199	3.71	2.3
Q006022		1595	140.5	0.004	7.68	102.5	8.3	2	10.6	60.0	0.39	0.69	8.8	0.159	2.16	5.5
Q006023		29.3	174.0	0.007	0.87	83.3	16.5	4	14.4	167.5	0.32	0.94	13.4	0.270	3.19	2.0
Q006024		45.5	200	0.002	0.55	13.40	18.0	8	15.9	76.0	0.34	3.86	7.2	0.307	3.60	2.0
Q006025		30.8	213	<0.002	1.34	9.72	18.7	6	13.6	213	0.33	1.79	21.2	0.291	3.82	2.2

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CERTIFICATE OF ANALYSIS WH13123341

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
L840890		156	8.6	5.5	41	33.1
L840891		170	7.8	7.5	57	20.6
L840892		161	7.8	6.6	71	14.8
L840893		191	8.7	7.0	88	16.7
L840894		195	10.3	6.1	52	17.8
L840895		123	5.0	8.9	117	67.1
L840896		195	8.0	5.4	59	17.8
L840897		182	10.4	7.0	81	17.3
L840898		205	8.5	6.9	104	19.3
L840899		190	10.9	5.7	109	20.9
L840900		191	11.5	4.8	60	21.9
Q006001		160	9.5	6.8	85	39.7
Q006002		86	6.4	6.6	129	77.4
Q006003		175	14.0	5.6	40	24.5
Q006004		196	6.9	9.1	112	25.3
Q006005		205	10.5	7.5	53	25.6
Q006006		176	8.3	7.1	52	25.6
Q006007		152	6.8	11.8	60	23.5
Q006008		153	9.2	10.0	61	23.9
Q006009		118	11.8	6.5	34	25.0
Q006010		127	7.6	4.8	21	10.3
Q006011		148	10.3	5.0	50	8.4
Q006012		156	9.9	6.2	32	9.6
Q006013		167	6.1	9.7	80	8.3
Q006014		184	7.6	8.5	65	9.9
Q006015		154	6.4	9.6	77	10.9
Q006016		89	4.7	9.4	126	102.5
Q006017		2	0.1	0.8	14	1.0
Q006018		145	10.8	6.5	20	29.0
Q006019		141	9.2	6.1	19	16.0
Q006020		145	11.4	6.2	22	14.2
Q006021		147	9.0	7.0	30	12.4
Q006022		53	7.2	8.9	3270	23.3
Q006023		138	13.7	4.8	24	12.1
Q006024		161	11.7	6.8	48	13.1
Q006025		161	10.7	7.9	50	12.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123341

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

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Finalized Date: 19-JUL-2013
Account: ROCKHA

CERTIFICATE WH13123342

Project: KLAZA-41

P.O. No.: Batch 20

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

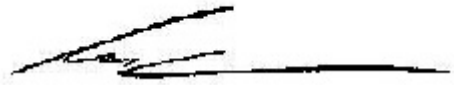
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123342

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006026		5.78	0.058	3.90	8.19	29.6	2070	1.19	20.8	0.12	0.06	65.0	0.5	22	24.7	104.5
Q006027		4.12	0.075	2.62	7.84	71.5	1930	1.16	14.75	0.15	0.10	198.0	1.1	17	31.7	169.0
Q006028		3.24	0.096	2.82	8.01	29.5	1880	1.08	8.17	0.17	0.10	103.5	0.8	15	34.7	201
Q006029		3.76	0.157	4.60	8.52	15.9	1960	1.05	23.3	0.16	0.07	70.7	0.5	16	27.5	174.5
Q006030		5.15	0.060	2.71	8.05	85.2	1560	1.19	13.70	0.13	0.03	108.0	0.7	16	14.50	184.5
Q006031		3.72	0.074	1.78	9.05	65.7	2420	1.44	9.87	0.12	0.05	88.2	0.9	20	16.65	188.5
Q006032		5.08	0.045	2.18	8.84	35.4	1860	1.53	9.97	0.09	0.02	63.4	0.9	15	12.75	81.3
Q006033		5.50	0.067	3.94	9.04	20.4	1660	1.34	20.8	0.11	0.03	59.2	0.8	15	13.15	66.7
Q006034		3.30	0.102	3.78	8.93	20.3	1860	1.28	44.5	0.09	0.04	65.6	0.6	15	17.05	112.5
Q006035		4.09	0.110	3.17	8.82	70.8	1600	1.49	9.36	0.08	0.06	57.7	1.0	16	11.40	154.5
Q006036		0.84	<0.005	0.02	0.07	<5	20	<0.05	0.15	20.4	0.06	1.16	0.9	<1	0.15	2.8
Q006037		4.50	0.080	1.27	8.82	61.8	1680	1.52	9.68	0.10	0.05	70.8	1.0	17	10.15	227
Q006038		4.10	0.033	1.28	7.81	28.1	1910	1.70	17.15	0.16	0.11	65.8	6.4	17	13.45	343
Q006039		4.75	0.131	5.12	7.42	88.8	1230	0.99	21.0	0.14	0.16	46.1	1.5	13	6.87	197.5
Q006040		5.20	0.130	4.19	7.94	75.5	1650	1.30	13.85	0.13	0.14	38.9	0.4	13	8.00	108.0
Q006041		5.73	0.135	2.70	8.27	31.9	2260	1.40	4.29	0.12	0.09	46.2	0.7	14	8.12	94.9
Q006042		5.69	0.156	3.15	7.97	47.1	1500	1.18	7.89	0.09	0.09	45.2	0.4	11	6.44	50.9
Q006043		5.36	0.121	3.49	8.03	33.8	1360	1.13	8.40	0.06	0.14	31.6	0.8	12	5.62	59.5
Q006044		4.85	0.097	3.47	6.76	127.0	1090	1.00	9.59	0.10	0.10	60.0	0.7	9	6.92	122.0
Q006045		6.30	0.110	4.66	7.45	115.0	1180	1.21	11.70	0.11	0.09	89.2	0.5	12	6.80	96.5
Q006046		0.68	0.006	0.12	0.21	<5	50	0.08	0.28	20.8	0.07	3.24	0.9	2	0.35	4.3
Q006047		5.63	0.157	4.65	7.77	88.8	1250	1.21	14.65	0.14	0.13	89.9	0.4	13	7.36	86.3
Q006048		4.60	0.140	3.46	7.98	43.9	1300	1.19	9.96	0.12	0.14	69.0	1.6	15	6.77	67.2
Q006049		4.03	0.115	3.32	7.45	222	1200	1.02	7.92	0.11	0.15	97.8	0.5	12	8.57	66.0
Q006050		7.39	0.400	4.66	7.67	63.2	1250	1.03	13.30	0.15	0.12	113.5	0.4	14	9.68	76.3
Q006051		5.99	0.195	4.60	8.19	43.0	1570	1.28	9.04	0.09	0.14	67.9	1.0	13	9.25	120.0
Q006052		5.73	0.210	6.08	8.01	44.1	1530	1.81	10.45	0.14	1.10	81.0	8.2	13	11.95	478
Q006053		5.47	0.128	3.26	8.07	60.8	2410	2.06	7.27	0.28	0.67	81.0	10.8	14	45.0	608
Q006054		4.01	0.086	1.49	8.18	41.5	2100	1.68	5.18	0.51	1.66	42.5	19.7	12	11.30	891
Q006055		4.82	0.146	1.74	8.02	26.5	2700	1.62	1.93	0.35	1.24	43.8	13.6	12	8.20	1070
Q006056		4.83	0.114	2.11	8.08	16.1	2370	1.61	2.92	0.41	0.68	48.7	17.5	11	9.73	1385
Q006057		5.36	0.094	1.50	7.86	12.4	2210	1.71	2.09	0.54	1.08	30.8	15.7	10	9.80	866
Q006058		6.05	0.166	2.20	8.19	31.6	2290	1.84	2.06	0.31	1.49	72.1	17.8	11	11.60	1380
Q006059		4.88	0.093	3.37	7.92	76.8	1230	1.99	5.99	0.20	1.63	66.5	9.0	9	16.85	838
Q006060		4.21	0.073	2.98	8.51	88.9	1050	3.40	1.57	0.33	0.74	59.5	20.8	11	12.45	2010
Q006061		5.05	0.049	3.68	8.28	30.7	1040	1.27	6.26	0.20	0.41	63.3	4.0	11	11.05	305

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123342

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006026		4.74	21.3	0.11	0.6	0.579	3.69	33.0	26.6	0.92	110	31.1	0.06	4.7	2.5	1000
Q006027		4.89	18.65	0.28	0.5	1.115	3.59	96.3	29.4	1.04	144	49.5	0.06	3.9	7.9	2050
Q006028		4.45	17.65	0.20	0.6	0.674	4.22	48.4	39.0	1.14	164	20.8	0.06	4.6	5.1	1170
Q006029		4.18	18.70	0.17	0.5	0.603	3.97	33.2	34.4	1.46	217	27.4	0.06	4.6	2.5	930
Q006030		5.55	17.45	0.19	0.5	0.881	3.03	48.1	39.0	0.75	118	17.00	0.06	3.8	7.6	2530
Q006031		3.99	16.90	0.18	0.5	0.603	1.90	39.8	45.2	0.37	67	12.40	0.05	5.7	14.9	2520
Q006032		3.52	16.85	0.13	0.6	0.352	3.16	31.8	36.3	0.60	121	64.4	0.06	5.0	7.2	1690
Q006033		3.50	17.55	0.15	0.6	0.326	3.82	30.4	26.1	0.69	144	20.5	0.07	4.9	6.1	680
Q006034		3.02	17.65	0.16	0.5	0.241	3.97	37.9	27.7	0.97	161	26.2	0.07	4.4	4.1	780
Q006035		3.72	17.20	0.16	0.6	0.316	3.68	32.4	24.3	0.64	136	26.4	0.07	4.2	7.9	1460
Q006036		0.48	0.29	0.27	<0.1	<0.005	0.02	0.6	1.0	12.75	194	0.16	<0.01	0.1	2.3	190
Q006037		2.93	18.65	0.21	2.4	0.201	2.49	43.4	37.3	0.35	57	11.40	0.18	7.4	6.0	1410
Q006038		4.93	18.35	0.15	2.4	0.210	2.55	36.6	36.8	0.47	190	10.70	0.40	5.7	3.1	1190
Q006039		6.53	16.30	0.14	0.5	0.458	3.88	20.8	15.1	0.55	137	28.1	0.06	4.7	1.2	2720
Q006040		5.32	17.80	0.17	0.6	0.398	3.90	19.3	18.0	0.60	93	27.8	0.11	5.6	0.8	1870
Q006041		3.93	17.15	0.13	0.6	0.333	3.87	27.2	19.5	0.59	100	27.9	0.19	5.9	0.9	1110
Q006042		3.48	17.20	0.15	1.1	0.261	3.97	26.3	13.6	0.53	85	15.30	0.12	5.1	0.6	1830
Q006043		2.30	18.55	0.14	0.6	0.223	4.12	19.2	12.7	0.55	88	38.1	0.11	5.2	1.0	880
Q006044		4.84	15.45	0.14	1.3	0.322	3.26	37.9	14.6	0.47	84	65.6	0.11	4.0	0.8	2160
Q006045		4.71	16.65	0.16	0.6	0.337	3.55	52.2	16.0	0.59	73	38.0	0.10	3.2	0.6	1530
Q006046		0.60	0.62	0.12	<0.1	0.012	0.10	1.9	1.5	12.85	199	1.46	0.01	0.2	1.9	230
Q006047		4.44	17.20	0.22	0.5	0.395	3.67	49.5	18.8	0.55	64	29.6	0.11	3.5	0.5	1000
Q006048		3.52	18.25	0.26	0.6	0.341	3.94	38.6	12.1	0.55	65	27.6	0.07	5.1	0.9	560
Q006049		5.65	17.00	0.19	0.6	0.596	3.87	59.4	10.7	0.55	71	35.9	0.06	4.3	0.6	4450
Q006050		6.03	17.35	0.19	0.6	0.649	3.92	62.9	10.7	0.53	72	22.0	0.07	4.1	0.6	1230
Q006051		3.07	17.10	0.22	0.6	0.402	3.98	41.2	11.0	0.54	83	29.1	0.05	5.3	0.9	900
Q006052		4.57	16.60	0.20	0.6	0.497	3.65	38.6	25.0	0.63	597	28.1	0.06	4.6	1.9	1170
Q006053		5.11	16.25	0.19	0.6	0.316	3.01	42.2	26.3	0.71	324	24.3	0.14	6.0	4.7	1340
Q006054		4.78	16.85	0.14	0.6	0.228	3.06	21.0	22.5	1.30	422	42.0	0.62	6.6	8.1	1290
Q006055		4.57	17.05	0.17	0.6	0.265	4.12	22.5	23.0	1.30	299	52.0	0.59	5.7	6.6	1160
Q006056		4.77	16.50	0.17	0.5	0.283	3.77	23.5	21.0	1.42	344	18.10	0.64	5.3	6.2	1230
Q006057		4.54	16.85	0.17	0.6	0.217	3.09	14.1	22.8	1.48	342	41.3	0.92	5.4	7.1	1180
Q006058		5.32	16.70	0.19	0.5	0.360	3.50	35.6	17.7	0.88	308	21.7	0.50	4.2	5.5	1100
Q006059		5.52	14.40	0.18	0.5	0.479	2.96	41.9	22.3	0.43	316	44.2	0.06	3.8	5.2	1150
Q006060		4.23	17.70	0.18	0.6	0.311	3.05	24.7	23.7	0.50	142	43.8	0.05	4.6	9.1	1200
Q006061		3.22	15.90	0.19	0.6	0.255	3.67	39.0	12.6	0.57	151	52.1	0.14	4.5	3.4	620

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VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123342

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006026		30.4	212	<0.002	1.39	7.33	18.8	8	13.5	197.0	0.33	1.52	18.7	0.275	4.02	2.2
Q006027		29.8	191.0	0.005	1.11	9.41	20.5	11	12.9	661	0.25	1.45	38.6	0.244	3.57	3.8
Q006028		34.6	210	0.003	1.27	11.10	19.7	6	11.7	282	0.31	0.91	21.0	0.289	3.97	3.6
Q006029		25.9	217	0.006	1.10	6.15	20.8	5	11.0	164.5	0.32	2.34	17.0	0.305	4.21	2.4
Q006030		22.8	149.0	<0.002	1.51	23.9	18.0	6	8.2	309	0.26	1.15	32.3	0.244	2.84	2.7
Q006031		17.1	96.2	<0.002	0.83	18.20	14.1	4	7.1	282	0.41	0.90	34.8	0.311	2.05	3.5
Q006032		21.3	170.0	0.018	0.62	4.81	17.0	4	6.7	129.5	0.34	0.74	17.3	0.286	3.03	2.3
Q006033		22.7	193.5	<0.002	0.70	4.16	17.8	6	10.5	187.5	0.33	1.08	12.3	0.299	3.53	1.7
Q006034		18.4	200	0.002	0.44	3.31	18.2	4	9.7	109.5	0.29	0.97	10.1	0.285	3.53	1.8
Q006035		15.5	197.5	0.003	0.67	30.3	17.0	4	8.3	135.0	0.31	0.76	13.7	0.255	3.65	2.3
Q006036		1.3	1.3	<0.002	0.03	0.07	0.2	1	<0.2	42.9	<0.05	<0.05	<0.2	<0.005	0.03	0.5
Q006037		32.2	108.5	0.002	0.38	51.0	10.2	3	4.3	172.5	0.49	1.24	12.7	0.275	2.16	6.3
Q006038		21.3	112.5	0.005	0.81	5.69	9.1	3	4.5	223	0.39	1.49	20.4	0.210	2.25	4.9
Q006039		34.5	190.5	<0.002	1.76	26.5	14.8	5	18.7	131.5	0.31	0.77	13.4	0.271	3.16	2.8
Q006040		38.1	200	0.003	1.53	99.5	16.7	4	13.9	111.5	0.38	0.45	9.8	0.320	3.79	2.1
Q006041		24.2	189.5	0.006	1.09	13.05	16.9	3	11.1	123.5	0.40	0.35	9.6	0.333	3.33	1.9
Q006042		22.1	189.5	0.002	0.96	30.5	14.6	3	15.2	101.5	0.36	0.46	9.0	0.264	3.07	1.8
Q006043		20.5	191.0	0.008	0.59	9.98	16.9	4	20.8	70.4	0.36	0.55	6.8	0.299	3.24	1.4
Q006044		27.4	157.0	0.009	1.23	70.3	11.7	6	15.4	128.0	0.29	0.70	9.1	0.215	2.72	2.2
Q006045		45.7	181.0	0.004	1.30	32.0	15.7	6	13.5	155.0	0.23	0.77	10.4	0.197	3.09	1.7
Q006046		2.6	5.2	<0.002	0.03	1.03	0.5	<1	0.4	50.0	<0.05	<0.05	0.3	0.010	0.08	0.7
Q006047		70.6	188.5	0.002	1.38	89.1	15.4	6	13.9	204	0.25	0.67	13.0	0.214	3.34	1.9
Q006048		40.4	208	0.006	1.33	21.9	16.2	6	21.0	134.0	0.35	0.70	11.3	0.276	3.34	1.7
Q006049		57.6	210	0.006	1.84	13.30	17.2	6	12.8	307	0.29	0.60	17.1	0.255	3.45	2.0
Q006050		69.1	209	0.003	2.06	65.8	16.6	4	10.2	371	0.29	0.72	14.5	0.265	3.90	2.1
Q006051		46.3	216	0.003	0.88	25.9	17.2	5	11.1	213	0.37	0.57	13.2	0.298	3.83	2.4
Q006052		49.8	192.0	0.004	1.19	10.15	17.5	6	9.4	424	0.33	0.60	14.2	0.273	3.72	6.1
Q006053		95.7	162.0	0.005	0.98	29.1	18.0	3	8.4	623	0.42	0.59	14.0	0.327	3.08	11.6
Q006054		48.6	130.0	0.014	1.92	16.50	17.0	3	5.7	240	0.45	0.43	12.2	0.347	2.54	3.5
Q006055		59.5	151.5	0.032	1.38	9.03	18.2	4	7.8	247	0.41	0.31	11.5	0.316	2.44	5.0
Q006056		64.0	128.5	0.011	1.80	5.41	16.7	4	7.6	283	0.40	0.27	11.7	0.326	2.28	3.8
Q006057		31.2	111.0	0.029	1.38	4.90	17.2	3	5.1	251	0.40	0.25	10.5	0.287	2.21	2.6
Q006058		94.4	158.0	0.017	1.66	16.30	16.5	4	4.8	197.0	0.31	0.28	14.2	0.259	2.74	4.1
Q006059		269	148.5	0.007	0.96	62.7	18.9	5	16.6	217	0.27	0.75	23.6	0.205	2.28	9.5
Q006060		116.5	154.5	0.012	1.83	94.7	18.3	5	8.7	84.5	0.32	0.21	15.7	0.258	2.94	13.1
Q006061		272	175.5	0.008	0.53	12.30	19.3	4	21.9	267	0.31	0.38	13.0	0.259	2.58	4.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123342

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q006026		157	10.7	5.4	43	12.4
Q006027		160	10.5	6.6	63	10.0
Q006028		162	11.5	4.4	59	10.4
Q006029		171	10.7	3.9	69	9.9
Q006030		151	8.1	4.9	42	10.1
Q006031		153	8.1	5.6	33	10.1
Q006032		148	10.0	4.9	40	12.0
Q006033		159	13.1	5.8	52	14.0
Q006034		163	8.4	4.2	48	10.8
Q006035		151	10.5	6.6	41	14.3
Q006036		3	0.1	0.7	14	<0.5
Q006037		97	4.3	7.2	29	78.3
Q006038		91	2.6	7.1	173	74.6
Q006039		151	12.6	6.1	54	10.6
Q006040		146	12.8	6.4	28	11.2
Q006041		145	15.8	6.0	31	11.6
Q006042		126	14.5	5.1	24	33.4
Q006043		145	18.9	3.9	37	12.2
Q006044		111	12.1	5.2	50	43.8
Q006045		128	10.0	5.7	30	14.3
Q006046		5	0.4	0.9	15	0.7
Q006047		136	10.5	6.6	30	10.9
Q006048		135	14.7	5.2	33	14.5
Q006049		132	10.4	4.6	30	10.6
Q006050		133	11.9	5.9	28	12.6
Q006051		145	14.2	6.4	34	11.8
Q006052		146	10.9	25.3	75	11.5
Q006053		140	9.7	12.4	147	14.0
Q006054		150	4.2	19.8	239	11.4
Q006055		151	6.2	15.9	195	10.6
Q006056		154	5.8	16.4	192	10.0
Q006057		138	3.6	15.3	194	10.3
Q006058		135	4.0	13.8	209	9.1
Q006059		124	13.0	13.9	191	10.5
Q006060		140	5.0	27.7	163	11.2
Q006061		134	19.5	8.5	74	10.5

***** See Appendix Page for comments regarding this certificate *****

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123342

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method:	REE's may not be totally soluble in this method. ME- MS61
Applies to Method:	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL) ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:	CRU- 31	CRU- QC	LOG- 22	PUL- 31
	PUL- QC	SPL- 21	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au- AA24	ME- MS61

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Finalized Date: 19-JUL-2013
Account: ROCKHA

CERTIFICATE WH13123343

Project: KLAZA-41

P.O. No.: Batch 21

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Finalized Date: 19-JUL-2013
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Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123343

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006062		5.25	0.087	1.58	8.03	21.3	1870	1.90	1.35	0.50	0.69	38.6	18.4	13	20.6	954
Q006063		3.82	0.064	1.28	8.21	40.2	260	2.00	2.61	0.36	4.05	32.9	32.0	11	15.20	1040
Q006064		7.87	0.069	0.86	7.54	16.1	1390	1.76	1.27	1.87	1.08	62.4	27.6	12	18.40	835
Q006065		5.71	0.087	0.88	7.70	19.2	430	1.59	0.69	1.72	0.81	50.9	29.8	13	5.32	621
Q006066		6.00	0.110	1.05	7.72	28.1	1380	1.86	0.90	1.25	0.94	59.7	27.9	13	9.15	1025
Q006067		5.10	0.073	0.97	7.91	27.5	2120	1.57	1.13	0.51	0.36	48.1	21.7	11	11.25	456
Q006068		5.71	0.075	0.65	7.94	14.0	2280	1.51	0.60	1.04	0.23	37.6	12.4	12	6.75	271
Q006069		5.40	0.066	0.57	8.01	12.9	1830	1.42	0.62	0.98	0.31	44.9	6.3	13	8.29	321
Q006070		4.46	0.138	0.61	8.15	10.1	1560	1.56	0.39	1.53	0.18	46.0	6.8	12	8.42	355
Q006071		5.20	0.168	1.04	8.10	10.4	2030	1.50	0.53	1.50	0.29	53.9	10.5	12	8.07	763
Q006072		4.18	0.130	1.16	7.70	11.1	1870	1.44	2.29	1.28	0.43	46.7	8.3	11	10.25	446
Q006073		4.77	0.135	8.27	7.41	53.2	1460	1.49	3.28	0.35	0.36	67.5	4.5	11	21.8	418
Q006074		3.74	0.140	1.33	7.64	9.8	1830	1.89	0.43	1.33	0.37	37.7	9.9	11	5.89	742
Q006075		5.69	0.102	1.49	8.23	72.6	1840	1.90	0.88	0.22	0.77	43.3	10.6	13	9.19	650
Q006076		4.37	0.008	0.16	8.82	15.6	2120	2.77	0.30	0.35	1.48	60.0	30.2	25	6.64	806
Q006077		4.19	0.160	1.03	7.31	43.8	2180	1.41	0.80	0.18	0.29	33.8	6.2	13	10.80	467
Q006078		5.20	0.244	1.59	7.95	82.0	1860	1.38	1.48	0.15	0.27	58.3	2.7	12	31.9	192.5
Q006079		4.65	0.102	1.18	7.93	54.7	2590	1.19	0.92	0.13	0.26	51.8	6.1	12	12.95	362
Q006080		5.16	0.221	0.70	7.91	30.9	1940	1.44	0.75	0.65	0.29	59.6	4.9	12	11.45	319
Q006081		4.38	0.086	0.41	8.63	16.2	2960	1.44	0.91	0.32	0.27	49.4	4.9	16	16.10	343
Q006082		3.76	0.057	0.75	8.18	92.9	790	1.96	0.59	0.12	0.54	58.5	9.1	28	18.35	717
Q006083		6.99	0.176	0.93	7.89	97.7	960	1.19	1.14	0.13	0.57	42.7	2.1	16	22.2	183.5
Q006084		1.00	<0.005	0.02	0.08	<5	1440	0.05	0.07	20.6	0.07	1.27	0.7	4	0.30	7.2
Q006085		3.70	0.115	0.49	8.71	34.5	1990	1.46	0.99	1.19	0.66	48.8	7.6	15	11.85	346
Q006086		4.07	0.069	0.58	7.04	34.6	840	1.37	1.15	0.38	0.46	62.1	3.2	14	12.85	230
Q006087		4.95	0.139	0.47	8.12	13.1	1690	1.44	0.81	0.83	0.38	35.1	3.4	16	10.60	232
Q006088		3.82	0.127	0.53	7.66	18.6	1880	1.37	0.84	1.17	0.34	36.5	7.9	16	7.61	304
Q006089		4.55	0.126	0.61	7.92	21.8	1610	1.53	0.74	0.87	0.36	35.7	3.8	16	12.10	213
Q006090		0.26	1.670	39.7	5.60	2480	810	1.13	32.2	1.65	43.7	34.4	16.5	27	9.12	1150
Q006091		3.74	0.306	0.74	8.37	20.1	2220	1.52	0.84	1.37	0.24	39.7	14.0	21	8.96	546
Q006092		5.35	0.155	0.54	8.43	16.9	1850	1.21	0.96	0.46	0.33	39.3	4.0	20	13.75	168.0
Q006093		5.62	0.113	0.50	8.11	10.3	2600	1.41	0.88	0.66	0.28	51.2	6.8	21	9.77	240
Q006094		6.57	0.086	0.42	8.17	9.3	2130	1.40	1.37	0.52	0.34	31.9	5.5	19	12.75	206
Q006095		7.46	0.104	0.54	8.65	30.0	2620	1.40	0.86	0.46	0.61	50.8	6.8	20	15.70	240
Q006096		5.97	0.068	0.68	8.05	36.9	1310	1.34	0.75	0.15	1.23	57.1	4.3	18	18.40	164.0
Q006097		6.10	0.183	0.72	7.62	142.5	1770	1.94	1.15	0.19	3.30	60.7	35.0	29	20.5	148.5

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Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123343

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006062		4.94	15.30	0.15	0.6	0.363	3.19	20.7	20.4	1.57	317	58.9	0.38	5.5	7.4	1250
Q006063		5.86	17.75	0.15	0.6	0.237	3.30	15.9	20.5	0.95	338	71.6	0.09	5.9	8.5	1220
Q006064		4.67	16.35	0.17	0.6	0.123	2.66	32.9	21.2	1.94	436	15.90	0.72	6.7	7.3	1190
Q006065		6.15	15.95	0.19	0.5	0.114	3.38	26.1	13.6	1.64	331	28.8	1.44	6.4	6.8	1100
Q006066		4.82	16.45	0.20	0.6	0.137	2.87	30.9	16.6	1.67	314	21.1	1.41	5.7	7.3	1220
Q006067		4.85	16.00	0.17	0.5	0.092	2.88	24.7	15.2	1.18	493	43.6	0.95	5.9	5.3	1140
Q006068		4.52	16.30	0.21	0.5	0.067	2.91	18.6	15.0	1.64	414	19.40	1.32	7.4	5.2	1200
Q006069		4.87	16.00	0.19	0.6	0.074	2.33	22.6	17.4	1.71	284	20.9	0.98	6.9	4.9	1230
Q006070		4.68	17.20	0.19	0.6	0.065	2.31	23.0	16.2	1.70	153	9.50	1.69	6.8	5.4	1200
Q006071		4.28	16.40	0.25	0.6	0.087	3.05	28.7	15.1	1.55	177	22.7	1.52	6.7	4.7	1160
Q006072		4.23	16.00	0.23	0.6	0.088	2.46	22.7	16.7	1.65	243	9.87	1.14	6.6	4.5	1160
Q006073		5.02	15.50	0.21	0.6	0.268	2.92	43.6	19.2	1.14	157	59.8	0.56	5.7	3.1	1060
Q006074		4.51	16.75	0.25	0.7	0.123	2.27	18.7	18.5	1.49	144	29.7	1.60	6.8	5.5	1300
Q006075		4.25	16.45	0.21	1.1	0.093	2.96	23.0	17.9	0.41	164	25.7	0.39	5.9	4.4	1210
Q006076		3.36	18.95	0.07	4.3	0.062	2.16	27.9	22.4	0.33	545	6.51	2.13	10.4	15.8	1350
Q006077		4.42	16.45	0.09	0.9	0.143	4.14	14.5	18.5	0.68	153	17.70	0.73	5.2	4.9	1130
Q006078		3.91	16.65	0.10	0.9	0.166	3.75	27.0	14.0	0.47	101	27.4	0.27	6.1	1.7	860
Q006079		4.57	15.10	0.10	0.7	0.156	3.79	23.5	15.1	0.40	108	60.7	0.21	5.2	3.8	1070
Q006080		5.72	16.50	0.11	0.7	0.156	3.16	30.0	19.9	1.29	129	9.01	1.16	6.6	5.5	1270
Q006081		6.24	15.70	0.12	0.7	0.105	3.44	26.8	13.4	0.84	88	12.00	0.89	5.9	3.0	1270
Q006082		4.14	16.80	0.12	3.7	0.067	2.80	34.0	23.6	0.29	134	5.96	0.09	8.3	10.2	930
Q006083		5.08	17.00	0.11	1.0	0.105	3.39	22.4	10.8	0.41	70	12.05	0.14	5.6	1.6	900
Q006084		0.49	0.25	0.14	<0.1	0.006	0.03	0.6	1.2	11.85	209	0.15	0.01	0.2	1.9	160
Q006085		6.92	17.25	0.14	0.7	0.177	3.02	26.7	12.8	1.19	124	3.75	1.29	5.8	4.4	1360
Q006086		5.68	15.35	0.14	0.5	0.123	2.55	33.3	13.0	1.13	126	9.54	0.87	5.4	2.4	1200
Q006087		5.14	16.15	0.12	0.6	0.133	2.63	18.0	17.9	1.49	144	16.90	1.35	6.5	5.0	1200
Q006088		4.28	15.85	0.13	0.6	0.122	2.80	19.4	15.7	1.44	118	39.1	1.47	6.3	5.1	1090
Q006089		4.11	16.35	0.13	0.7	0.136	2.79	19.2	16.1	1.38	138	20.1	1.25	6.2	3.8	1120
Q006090		8.91	12.65	0.10	0.9	1.405	2.61	18.4	14.0	0.65	2280	15.15	0.06	4.3	14.8	440
Q006091		5.04	16.60	0.10	0.7	0.156	3.08	20.3	17.5	1.69	153	29.2	1.49	5.5	5.8	1250
Q006092		5.10	16.70	0.13	0.6	0.099	3.32	21.4	15.5	1.39	162	3.59	1.07	5.9	3.5	1280
Q006093		4.42	15.70	0.12	0.7	0.088	3.22	30.9	14.8	1.15	113	7.36	1.42	4.8	4.8	1320
Q006094		4.76	17.10	0.12	0.6	0.100	2.97	18.3	20.6	1.28	152	9.89	1.18	5.3	4.2	1220
Q006095		5.04	17.25	0.13	0.7	0.097	3.25	29.2	15.9	0.80	174	12.45	0.86	5.2	3.9	1240
Q006096		4.60	16.60	0.14	0.6	0.100	3.76	30.9	8.7	0.49	224	7.00	0.23	4.8	3.2	910
Q006097		4.78	15.90	0.14	3.1	0.089	3.06	33.3	17.5	0.33	1200	3.82	0.10	7.6	10.0	1160

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123343

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006062		96.1	131.5	0.012	0.92	7.60	17.3	4	6.7	146.5	0.41	0.17	14.7	0.322	2.12	6.4
Q006063		50.7	161.5	0.058	4.16	15.70	17.5	9	15.8	71.5	0.43	0.60	16.6	0.323	2.50	4.2
Q006064		40.7	100.0	0.009	2.06	2.91	17.4	4	6.4	223	0.47	0.23	12.0	0.365	1.88	2.3
Q006065		19.3	120.0	0.012	3.51	1.20	16.9	7	5.6	385	0.43	0.13	8.8	0.362	1.99	4.0
Q006066		31.1	127.0	0.009	2.34	3.11	18.3	4	6.3	318	0.37	0.18	9.8	0.338	2.02	5.0
Q006067		71.8	140.5	0.012	0.87	8.97	17.7	4	6.0	251	0.38	0.37	13.9	0.310	2.23	3.2
Q006068		31.6	103.5	0.008	0.60	3.66	17.0	2	4.6	323	0.50	0.11	10.6	0.379	1.65	2.4
Q006069		21.2	89.3	0.003	0.43	2.16	17.8	3	5.5	247	0.46	0.09	13.5	0.368	1.46	3.1
Q006070		14.1	86.9	0.005	0.72	2.63	17.3	2	4.9	353	0.49	0.05	11.6	0.379	1.38	2.4
Q006071		27.0	137.0	0.013	0.94	2.85	17.4	3	4.4	359	0.46	0.12	13.5	0.356	1.85	2.8
Q006072		23.7	94.7	0.004	0.41	8.03	16.7	2	4.0	299	0.48	0.14	14.7	0.347	1.65	2.6
Q006073		529	137.5	0.009	0.62	18.90	16.6	5	9.3	224	0.40	0.67	13.7	0.319	2.15	3.1
Q006074		18.7	86.9	0.005	0.53	4.46	17.2	3	5.1	374	0.47	0.09	12.0	0.361	1.69	2.9
Q006075		43.3	140.0	0.003	0.33	28.6	15.3	4	6.5	127.5	0.40	0.14	11.7	0.313	2.04	5.0
Q006076		24.2	84.5	<0.002	0.21	7.84	7.4	2	1.7	286	0.73	<0.05	11.3	0.334	1.08	8.2
Q006077		29.3	138.5	0.005	0.74	7.41	13.2	4	7.4	208	0.38	0.11	8.1	0.284	2.34	5.6
Q006078		169.5	174.5	0.006	1.00	19.15	13.5	5	11.2	156.5	0.44	0.26	12.9	0.295	2.90	4.9
Q006079		54.2	156.5	0.005	1.01	20.0	14.0	5	10.4	164.0	0.36	0.24	14.8	0.283	2.40	2.5
Q006080		24.1	132.5	0.003	0.62	4.04	15.5	3	7.3	283	0.46	0.13	14.5	0.350	1.96	2.6
Q006081		21.9	165.0	0.002	0.52	4.75	14.9	4	6.9	217	0.45	0.17	16.4	0.352	2.35	2.7
Q006082		93.6	133.0	<0.002	0.21	37.7	9.3	2	2.7	98.2	0.63	0.28	11.0	0.262	2.05	7.9
Q006083		120.0	178.0	0.003	0.74	27.6	13.6	4	9.2	65.6	0.40	0.22	8.8	0.310	2.89	2.0
Q006084		1.7	2.0	<0.002	0.04	0.17	0.2	<1	<0.2	75.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
Q006085		18.5	144.0	<0.002	0.87	3.24	15.5	2	6.4	390	0.43	0.17	17.6	0.363	2.12	2.8
Q006086		19.1	157.0	0.002	0.47	2.48	14.6	4	8.5	177.5	0.38	0.13	10.1	0.314	2.13	2.2
Q006087		26.8	109.5	<0.002	0.33	1.66	14.7	3	7.2	255	0.46	0.10	14.8	0.380	1.79	2.4
Q006088		21.1	118.0	0.005	0.91	1.29	13.6	1	5.8	380	0.44	0.07	10.6	0.337	1.76	2.0
Q006089		45.2	133.5	0.004	0.29	1.98	14.8	3	8.3	290	0.43	0.11	11.9	0.333	1.90	2.3
Q006090		1610	145.5	<0.002	7.72	99.9	7.8	1	10.2	58.2	0.36	0.61	8.0	0.173	2.02	4.8
Q006091		25.7	107.0	0.013	1.25	1.49	14.7	2	5.0	336	0.43	0.16	14.2	0.364	1.86	2.8
Q006092		24.6	147.0	<0.002	0.34	2.71	15.9	4	7.5	221	0.41	0.19	8.3	0.347	2.06	3.1
Q006093		27.4	138.0	<0.002	0.67	1.96	14.9	4	5.8	281	0.37	0.17	11.0	0.300	1.94	4.1
Q006094		23.0	116.5	0.002	0.33	2.48	15.5	3	7.4	231	0.40	0.18	13.4	0.314	1.92	2.9
Q006095		45.8	147.5	<0.002	0.47	20.3	15.4	4	6.9	236	0.40	0.17	14.6	0.337	2.20	2.8
Q006096		105.5	197.5	<0.002	0.79	10.85	15.2	5	10.8	108.0	0.35	0.24	9.9	0.288	3.15	1.5
Q006097		141.0	157.5	<0.002	0.67	19.35	8.7	2	5.3	120.0	0.56	0.45	15.3	0.262	2.72	7.6

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123343

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
Q006062		138	5.8	17.5	270	11.6
Q006063		141	11.8	23.3	222	10.7
Q006064		147	6.5	22.5	158	10.9
Q006065		140	5.7	23.1	100	9.2
Q006066		151	24.3	25.0	111	11.0
Q006067		131	8.4	13.2	136	10.6
Q006068		146	5.8	14.1	96	9.9
Q006069		149	5.2	16.2	107	10.5
Q006070		151	5.6	17.5	57	11.2
Q006071		142	6.8	17.4	70	11.8
Q006072		140	6.0	21.5	109	11.6
Q006073		146	12.6	13.8	147	12.4
Q006074		149	10.8	17.2	109	12.7
Q006075		132	8.1	12.8	156	34.3
Q006076		71	2.5	16.6	333	166.0
Q006077		132	7.6	6.2	142	27.8
Q006078		128	9.9	6.9	93	22.4
Q006079		133	16.0	6.2	106	14.0
Q006080		143	7.8	9.6	95	12.0
Q006081		149	8.5	7.6	130	12.5
Q006082		75	6.2	15.5	263	133.5
Q006083		135	10.4	5.7	101	27.7
Q006084		3	0.2	0.8	19	<0.5
Q006085		154	5.8	10.8	127	12.5
Q006086		131	6.2	7.6	99	10.0
Q006087		151	6.2	8.8	98	11.3
Q006088		132	7.3	11.0	64	9.8
Q006089		135	7.9	10.1	76	12.1
Q006090		57	7.0	8.5	3350	21.2
Q006091		151	6.1	14.7	76	11.6
Q006092		145	9.0	8.0	80	11.3
Q006093		139	7.5	8.9	56	12.6
Q006094		139	6.9	9.2	81	11.0
Q006095		152	6.7	10.4	139	12.9
Q006096		137	10.3	6.8	155	11.7
Q006097		82	7.3	24.4	394	115.0

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123343

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2013
Account: ROCKHA

CERTIFICATE WH13123344

Project: KLAZA-41

P.O. No.: Batch 22

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

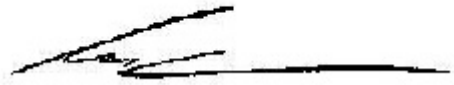
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123344

Sample Description	Method	WEI- 21	Au- AA24	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006098		6.20	0.054	0.21	8.37	93.2	1210	2.78	0.55	0.23	3.18	59.3	50.7	26	27.7	177.5
Q006099		5.55	0.094	0.28	8.39	89.7	1340	2.84	0.58	0.20	1.69	52.5	23.1	27	18.65	458
Q006101		5.06	0.091	0.74	8.60	67.0	1890	3.18	1.08	0.18	0.79	47.1	6.3	14	20.8	486
Q006102		5.22	0.146	0.75	7.96	45.6	1600	1.67	1.42	0.30	0.60	57.9	1.9	11	37.9	176.5
Q006103		5.07	0.229	0.35	7.23	26.3	2950	1.44	0.91	0.32	0.32	50.4	2.3	10	8.34	189.5
Q006104		4.93	0.188	0.55	7.59	15.0	2800	1.59	1.55	0.51	0.41	74.3	7.2	11	17.70	338
Q006105		4.72	0.224	0.52	7.91	19.9	2120	1.45	1.15	0.65	0.34	60.4	3.2	11	12.50	241
Q006106		5.74	0.536	0.51	8.18	27.5	2950	2.43	0.98	0.61	0.79	57.9	5.4	13	14.20	450
Q006107		5.23	0.055	0.19	7.80	52.6	820	2.71	0.26	0.14	0.98	44.2	24.6	9	15.15	326
Q006108		5.35	0.116	0.35	8.41	23.4	2150	1.93	0.80	0.22	0.38	46.8	8.9	13	23.3	217
Q006109		3.24	0.126	0.44	8.59	28.9	1810	1.91	1.16	0.24	0.44	33.5	2.6	12	10.75	229
Q006110		4.06	0.147	0.50	7.92	11.6	4950	1.73	0.66	0.95	0.28	46.1	7.0	12	8.17	218
Q006111		5.21	0.123	1.02	8.16	71.6	1610	1.65	1.55	0.26	0.41	60.7	6.1	15	24.1	123.5
Q006112		5.26	0.060	0.33	7.84	41.2	1930	1.52	0.66	0.18	0.25	26.1	5.7	12	12.60	209
Q006113		5.16	0.069	0.41	7.96	37.5	4370	1.52	0.71	0.32	0.24	49.8	3.6	11	10.95	269
Q006114		5.76	0.072	1.59	6.64	51.7	1470	1.08	1.36	0.15	0.26	94.7	0.8	10	14.30	110.0
Q006115		6.32	0.101	1.35	7.77	66.9	1360	1.38	1.68	0.16	0.36	64.3	1.2	11	16.55	120.5
Q006116		0.87	<0.005	0.03	0.25	<5	40	0.11	0.02	21.1	0.06	2.00	1.1	2	0.73	2.9
Q006117		5.43	0.053	0.44	7.54	30.9	3480	1.67	0.88	0.28	0.27	60.5	5.7	11	14.00	192.5
Q006118		4.61	0.050	0.44	8.25	33.4	2840	1.41	0.89	0.27	0.32	67.5	6.1	11	15.15	141.0
Q006119		4.78	0.062	0.60	7.70	53.5	1710	1.20	1.43	0.13	0.29	69.6	5.4	11	18.00	80.3
Q006120		6.88	0.080	0.42	8.25	28.3	2770	2.12	1.26	0.36	0.54	62.7	10.9	12	13.55	189.0
Q006121		3.58	0.155	0.35	8.36	313	800	2.09	0.53	0.13	0.35	53.6	9.8	14	16.10	131.0
Q006122		4.90	0.128	0.59	8.04	52.3	1480	1.33	1.36	0.28	0.28	59.5	8.6	12	22.7	184.5
Q006123		4.39	0.439	0.46	7.87	12.6	2550	1.40	1.58	0.52	0.21	38.5	5.7	12	12.60	236
Q006124		4.67	0.188	0.35	7.84	9.6	2900	1.53	0.87	0.77	0.17	39.6	3.4	12	9.21	146.5
Q006125		4.71	0.238	0.87	7.61	63.0	1600	1.27	1.05	0.30	0.55	78.0	2.0	11	19.90	181.5
Q006126		4.66	0.072	0.97	8.12	67.1	800	1.40	3.99	0.15	0.37	55.5	1.8	11	13.75	70.9
Q006127		4.81	0.090	2.08	7.00	41.2	810	1.05	2.57	0.18	0.32	52.0	0.7	10	14.00	23.1
Q006128		6.19	0.084	0.52	8.27	61.9	920	1.37	1.01	0.18	0.23	56.1	3.0	13	25.8	143.0
Q006129		6.29	0.056	0.36	8.37	18.0	4630	1.61	0.67	0.60	0.22	44.7	7.1	12	17.80	163.5
Q006130		0.26	1.695	42.4	5.75	2510	1340	1.10	35.8	1.69	43.2	31.1	15.0	21	8.82	1220
Q006131		6.57	0.102	0.49	8.34	117.5	1550	1.60	1.19	0.18	0.23	50.1	4.2	12	21.8	75.5
Q006132		3.16	0.135	0.24	7.46	275	1130	1.36	0.51	0.06	0.08	39.9	2.2	12	11.65	49.5
Q006133		4.65	0.223	0.59	7.30	299	770	1.01	1.46	0.13	0.09	54.2	3.3	12	24.8	32.7
Q006134		4.66	0.058	0.54	8.45	48.4	2650	1.09	1.46	0.09	0.13	52.6	2.6	15	20.4	52.4

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Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123344

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006098		3.36	18.50	0.16	3.4	0.023	3.21	29.9	26.1	0.30	1630	2.66	0.13	10.0	14.1	880
Q006099		3.30	17.60	0.19	3.1	0.045	2.88	27.3	24.6	0.28	472	2.06	0.17	9.0	18.8	940
Q006101		4.33	16.75	0.18	1.4	0.091	3.44	24.0	16.2	0.45	110	10.50	0.16	4.7	7.4	1580
Q006102		4.24	16.60	0.22	0.6	0.116	4.01	28.2	16.1	0.82	80	10.15	0.40	4.0	2.3	1280
Q006103		4.14	14.00	0.21	0.5	0.063	4.34	26.6	17.6	0.85	81	24.2	1.01	3.1	3.6	930
Q006104		4.91	16.85	0.21	0.7	0.106	2.68	39.2	21.3	1.10	222	5.28	0.96	5.0	5.2	1060
Q006105		5.02	17.10	0.19	0.6	0.099	3.29	32.8	16.1	1.00	122	3.45	1.08	4.3	3.2	1020
Q006106		4.71	18.15	0.19	1.4	0.091	2.72	29.7	22.1	0.93	135	3.00	1.14	4.7	6.6	1110
Q006107		2.36	16.85	0.16	2.7	0.025	2.56	23.0	28.0	0.23	433	1.38	0.06	6.8	11.0	530
Q006108		3.50	17.70	0.17	1.1	0.077	2.89	23.3	19.0	0.43	133	2.57	0.53	5.7	6.0	920
Q006109		3.51	18.10	0.18	0.7	0.106	2.86	16.0	23.7	0.44	68	3.30	0.50	5.7	4.4	1470
Q006110		4.34	17.05	0.18	0.6	0.078	3.09	26.3	18.8	1.00	148	4.75	1.29	5.0	6.3	1270
Q006111		4.00	16.40	0.20	0.7	0.156	3.86	32.0	10.9	0.57	262	10.40	0.26	4.5	3.1	900
Q006112		3.00	13.50	0.18	0.6	0.087	3.38	12.7	20.2	0.50	162	36.8	0.28	2.9	4.8	910
Q006113		3.58	13.45	0.21	0.6	0.079	3.56	24.8	17.4	0.87	88	39.4	0.55	2.6	5.2	1030
Q006114		3.67	12.70	0.22	0.5	0.158	3.29	52.6	7.6	0.44	66	52.0	0.09	2.5	1.2	680
Q006115		4.10	13.05	0.21	0.6	0.156	3.84	32.1	9.4	0.51	95	11.35	0.08	2.8	1.2	1130
Q006116		0.51	0.66	0.22	0.1	0.006	0.05	1.0	1.4	12.05	204	0.46	0.05	0.4	2.9	270
Q006117		4.70	12.65	0.21	0.6	0.056	3.50	32.7	12.5	0.61	128	4.99	0.89	2.5	4.1	1060
Q006118		3.47	15.65	0.24	0.7	0.058	3.64	36.2	16.2	0.48	192	3.18	0.25	4.4	3.0	820
Q006119		5.38	14.70	0.23	0.6	0.076	4.63	37.4	10.2	0.44	174	7.10	0.22	3.3	2.0	820
Q006120		4.93	16.10	0.25	1.1	0.083	3.16	32.6	19.9	0.76	285	6.30	0.89	4.6	5.1	1080
Q006121		2.82	18.75	0.20	4.0	0.042	3.49	29.4	14.5	0.31	265	1.90	0.09	9.4	7.5	900
Q006122		5.73	18.00	0.20	0.7	0.145	3.02	32.6	22.7	1.01	304	3.89	0.54	5.5	5.6	1300
Q006123		5.41	18.20	0.20	0.7	0.113	3.02	19.5	24.9	1.33	216	4.44	0.96	6.0	4.0	1110
Q006124		4.49	17.50	0.18	0.6	0.081	3.00	21.9	22.6	1.39	111	3.92	1.37	6.1	3.4	1130
Q006125		4.96	16.60	0.22	0.6	0.113	3.37	41.0	17.4	0.98	84	4.19	0.68	5.6	2.6	1140
Q006126		5.33	18.25	0.20	0.6	0.142	4.01	29.6	5.4	0.47	108	6.75	0.07	4.7	1.7	910
Q006127		4.86	17.80	0.19	0.6	0.128	3.64	27.6	5.0	0.42	97	3.16	0.05	5.2	0.6	650
Q006128		6.70	17.40	0.19	0.6	0.086	3.76	30.1	5.2	0.42	157	3.00	0.06	4.5	2.5	1150
Q006129		5.04	16.80	0.19	0.7	0.089	2.76	23.2	18.2	0.74	253	9.26	1.00	5.8	4.7	1190
Q006130		9.00	12.70	0.14	0.8	1.355	2.64	16.7	15.0	0.69	2370	15.70	0.06	4.0	14.0	450
Q006131		3.96	18.70	0.16	1.9	0.093	3.33	27.5	11.5	0.43	196	2.81	0.33	7.3	3.9	900
Q006132		5.17	16.90	0.15	3.2	0.034	3.23	22.8	10.3	0.27	104	2.53	0.06	7.0	2.1	890
Q006133		5.46	16.10	0.18	2.2	0.082	3.35	30.4	13.9	0.39	163	4.74	0.07	4.7	2.7	970
Q006134		5.34	16.15	0.16	0.7	0.076	2.80	27.9	16.2	0.38	79	3.67	0.06	2.8	2.0	950

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123344

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006098		19.8	154.0	<0.002	0.12	16.10	7.8	2	1.3	56.5	0.73	0.31	11.3	0.262	2.84	10.3
Q006099		77.2	144.0	<0.002	0.25	10.75	7.6	2	1.2	47.2	0.73	0.30	10.6	0.243	2.53	12.5
Q006101		58.8	190.0	<0.002	0.57	22.6	13.7	6	5.8	106.5	0.39	0.19	13.6	0.241	3.27	8.9
Q006102		70.5	173.5	<0.002	1.24	15.15	16.0	4	12.2	264	0.31	0.21	15.0	0.241	2.54	6.5
Q006103		29.7	150.0	<0.002	1.11	3.28	14.2	4	6.3	320	0.25	0.11	12.5	0.211	2.36	2.5
Q006104		31.1	127.5	<0.002	0.86	3.62	16.0	4	8.1	363	0.41	0.14	13.9	0.281	2.06	3.2
Q006105		40.9	149.0	<0.002	0.92	5.47	14.9	4	8.0	353	0.35	0.14	12.7	0.279	2.34	2.2
Q006106		19.2	124.0	<0.002	0.61	3.79	14.3	4	4.4	335	0.40	0.29	12.9	0.261	2.07	6.8
Q006107		19.1	128.0	<0.002	0.07	8.13	5.4	1	1.1	21.2	0.68	0.27	12.8	0.169	1.96	9.7
Q006108		25.4	144.0	<0.002	0.52	7.40	13.1	4	4.1	173.0	0.47	0.18	11.3	0.293	2.51	5.9
Q006109		23.9	124.0	<0.002	0.47	33.4	15.3	3	5.2	200	0.44	0.20	11.1	0.315	2.26	5.6
Q006110		19.6	123.5	<0.002	0.58	6.04	15.4	4	3.2	452	0.41	0.11	12.6	0.295	2.11	3.6
Q006111		151.5	211	<0.002	0.86	35.9	16.9	7	8.0	146.5	0.38	0.31	12.8	0.260	3.95	3.7
Q006112		62.9	154.0	0.002	0.63	16.00	14.0	3	2.9	176.5	0.24	0.10	13.3	0.185	2.75	4.6
Q006113		41.6	155.0	<0.002	0.97	17.05	16.4	4	3.3	383	0.23	0.10	14.4	0.183	2.74	3.5
Q006114		123.5	167.5	0.002	1.22	85.2	13.7	4	4.6	112.5	0.20	0.28	13.2	0.167	3.27	2.0
Q006115		209	193.5	<0.002	1.32	20.2	15.8	5	6.5	161.5	0.24	0.25	16.6	0.176	3.69	2.4
Q006116		2.8	2.7	<0.002	<0.01	0.39	0.7	<1	<0.2	55.3	<0.05	<0.05	0.2	0.018	0.04	0.7
Q006117		37.9	165.5	<0.002	0.91	5.73	14.6	4	3.3	274	0.21	0.17	13.8	0.172	2.75	2.8
Q006118		31.8	183.0	<0.002	0.67	21.5	15.5	4	3.8	146.0	0.36	0.09	13.9	0.246	3.11	2.5
Q006119		54.0	194.0	<0.002	1.48	18.80	15.1	4	6.9	125.5	0.27	0.19	14.7	0.215	3.07	1.8
Q006120		41.4	157.5	<0.002	0.50	6.95	15.9	5	4.5	250	0.37	0.17	15.1	0.233	2.56	3.9
Q006121		27.8	176.5	<0.002	0.17	6.69	8.2	2	1.5	39.5	0.79	0.14	13.5	0.266	3.68	6.1
Q006122		35.6	153.0	<0.002	0.56	5.24	16.9	2	7.4	193.0	0.44	0.16	17.5	0.311	2.51	3.2
Q006123		18.5	127.0	<0.002	0.28	3.36	17.0	3	5.2	230	0.48	0.29	13.7	0.316	2.29	2.6
Q006124		31.1	119.5	<0.002	0.48	3.65	15.8	3	5.7	349	0.45	0.12	10.1	0.332	1.92	2.5
Q006125		46.9	143.0	<0.002	0.93	26.9	16.4	4	6.5	296	0.43	0.27	13.9	0.314	2.41	2.8
Q006126		221	200	<0.002	1.36	10.70	17.6	8	20.3	90.1	0.36	1.70	13.3	0.286	3.44	1.6
Q006127		347	190.0	<0.002	1.66	19.35	15.5	6	15.1	121.0	0.41	1.33	12.5	0.282	3.76	1.2
Q006128		158.0	192.5	<0.002	1.22	8.68	16.2	6	5.4	75.5	0.36	0.51	14.2	0.292	3.75	2.4
Q006129		55.4	123.5	<0.002	0.43	5.15	17.1	4	5.2	372	0.45	0.14	13.8	0.321	2.29	2.8
Q006130		1700	138.5	0.003	7.91	105.5	7.5	2	9.3	60.5	0.37	0.76	7.0	0.167	1.91	4.5
Q006131		84.0	189.5	<0.002	0.23	8.79	12.2	2	4.6	114.5	0.63	0.27	14.6	0.283	3.52	3.4
Q006132		17.8	190.5	<0.002	0.13	9.06	5.0	1	1.1	34.2	0.67	0.26	12.0	0.206	3.49	3.6
Q006133		67.8	211	<0.002	1.00	18.65	10.2	2	4.6	142.0	0.42	0.39	13.0	0.228	3.97	2.8
Q006134		42.5	156.0	<0.002	0.45	16.70	14.9	3	3.1	83.0	0.23	0.32	8.5	0.216	2.90	1.4

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123344

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q006098		69	2.9	22.6	350	120.5
Q006099		66	2.5	18.1	321	107.5
Q006101		120	6.3	16.7	143	44.1
Q006102		132	10.2	17.8	50	12.1
Q006103		117	8.6	15.0	49	9.5
Q006104		126	4.7	20.2	131	11.5
Q006105		132	6.9	15.2	77	9.2
Q006106		119	3.5	23.4	118	43.1
Q006107		37	1.4	19.0	295	84.5
Q006108		123	5.5	10.6	140	29.2
Q006109		141	6.7	7.5	53	12.4
Q006110		137	4.0	12.0	116	10.0
Q006111		142	11.1	8.2	213	12.5
Q006112		127	7.0	7.3	141	10.4
Q006113		139	7.1	9.8	75	10.0
Q006114		134	8.4	7.7	23	9.9
Q006115		133	10.8	7.3	44	10.5
Q006116		6	0.1	1.3	13	2.1
Q006117		124	6.6	10.8	114	10.5
Q006118		130	9.3	10.7	131	11.7
Q006119		128	10.9	10.3	114	11.2
Q006120		126	8.3	16.3	150	30.2
Q006121		63	2.5	15.4	175	134.0
Q006122		139	6.9	11.0	126	13.3
Q006123		137	7.1	10.7	99	11.9
Q006124		138	8.2	8.9	66	10.5
Q006125		134	5.8	8.5	104	11.4
Q006126		143	16.4	7.4	99	10.8
Q006127		119	13.8	5.9	58	10.7
Q006128		151	9.2	7.4	146	11.3
Q006129		142	5.2	10.0	150	11.5
Q006130		57	6.4	8.3	3380	19.3
Q006131		101	7.5	9.4	148	57.0
Q006132		49	3.5	7.7	64	105.5
Q006133		100	7.8	6.6	90	69.6
Q006134		146	4.8	7.3	103	11.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123344

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2013
Account: ROCKHA

CERTIFICATE WH13123345

Project: KLAZA-41

P.O. No.: Batch 23

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Finalized Date: 18-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123345

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006135		6.91	0.062	0.88	8.52	61.0	770	1.21	1.95	0.10	0.12	47.8	2.8	18	22.6	48.7
Q006136		7.01	0.104	1.02	8.11	98.4	800	1.11	1.84	0.12	0.09	52.2	4.0	17	23.2	40.8
Q006137		6.56	0.322	3.26	7.32	80.8	840	1.06	8.01	0.12	0.09	27.6	1.0	12	13.55	31.9
Q006138		5.48	0.061	0.64	9.16	78.8	1240	1.43	1.81	0.13	0.14	56.4	7.1	34	22.9	97.8
Q006139		6.80	0.081	0.84	8.70	68.0	1060	1.32	2.12	0.11	0.16	41.2	3.6	17	19.65	151.5
Q006140		6.46	0.123	0.49	8.54	76.4	500	1.27	0.69	0.09	0.15	42.2	4.6	17	17.95	237
Q006141		7.56	0.104	0.33	8.95	47.2	1380	1.28	0.79	0.12	0.11	43.4	3.2	14	19.30	146.5
Q006142		0.26	0.877	11.15	6.59	1540	1210	1.39	10.40	1.91	33.4	45.2	17.7	20	12.90	292
Q006143		3.15	0.140	0.32	7.45	14.7	3790	1.18	0.64	0.78	0.14	30.8	2.2	12	8.96	104.0
Q006144		4.97	0.157	1.12	8.36	117.0	870	1.25	2.12	0.16	0.15	21.1	3.3	12	20.3	133.0
Q006145		5.45	0.162	0.56	8.97	107.5	1440	1.35	0.93	0.18	0.12	24.4	4.1	15	20.5	194.0
Q006146		6.33	0.142	1.10	8.77	163.5	1310	1.55	1.41	0.16	0.22	31.0	5.3	12	31.4	173.0
Q006147		5.29	0.107	2.74	8.20	148.0	1000	1.62	1.53	0.09	0.19	39.2	0.7	7	14.20	64.1
Q006148		4.87	0.362	11.15	8.30	217	810	1.27	9.51	0.08	0.80	44.3	0.5	10	18.45	71.0
Q006149		6.75	0.223	2.41	8.14	158.5	870	1.24	3.55	0.06	0.09	38.9	1.6	7	25.4	93.9
Q006150		4.80	0.265	1.71	9.05	209	1070	1.33	1.66	0.09	0.11	46.0	4.0	9	40.9	191.5
Q006151		0.86	<0.005	0.04	0.13	<5	30	0.07	0.06	20.8	0.07	1.48	0.7	1	0.38	2.9
Q006152		5.22	0.112	0.59	9.08	87.0	1390	1.25	0.99	0.11	0.13	26.0	3.9	10	21.9	206
Q006153		5.72	0.088	0.62	9.50	81.3	1470	1.40	1.31	0.10	0.10	26.4	4.7	11	22.6	232
Q006154		5.54	0.070	0.33	8.13	35.7	1510	1.13	1.04	0.56	0.09	29.8	5.3	9	28.3	164.0
Q006155		5.17	0.048	0.31	7.89	23.6	1180	1.11	1.39	0.77	0.10	37.1	3.4	9	20.6	150.5
Q006156		4.39	0.121	0.49	8.04	19.1	2020	1.14	1.17	1.32	0.10	47.1	3.2	8	14.80	180.0
Q006157		4.16	0.091	0.75	8.40	52.5	2530	1.13	1.11	1.03	0.11	62.3	3.1	7	11.70	162.5
Q006158		5.11	0.067	1.75	7.50	184.5	910	1.31	1.83	0.11	0.09	41.7	1.3	6	21.7	75.5
Q006159		4.82	0.049	1.48	6.59	84.3	760	0.99	5.34	0.05	0.07	17.45	0.4	4	9.85	39.3
Q006160		5.32	0.079	1.08	9.22	120.0	1740	1.58	1.75	0.09	0.07	41.2	4.0	8	20.5	266
Q006161		4.72	0.066	0.57	7.88	33.4	2950	1.30	2.01	0.56	0.08	34.1	4.1	8	11.25	174.5
Q006162		4.74	0.049	0.53	8.74	25.2	1040	1.43	1.54	0.47	0.09	38.0	4.9	9	11.60	185.5
Q006163		3.50	0.043	0.70	8.10	34.4	1050	1.60	1.76	0.39	0.10	51.3	4.4	8	10.75	177.5
Q006164		3.02	0.075	0.94	9.12	62.0	1690	1.28	1.54	0.21	0.13	37.2	3.6	8	11.35	190.5
Q006165		5.86	0.120	1.04	8.86	182.5	1600	1.56	1.51	0.16	0.12	64.6	5.2	11	52.7	244
Q006166		5.58	0.054	0.63	7.87	22.8	1370	1.45	1.56	1.11	0.21	33.9	5.0	7	24.6	248
Q006167		5.67	0.055	0.64	6.99	21.4	1310	1.54	1.69	1.39	0.24	33.9	7.2	6	17.60	240
Q006168		6.11	0.109	2.04	7.34	19.9	1340	1.28	2.77	1.04	0.36	34.2	12.1	8	19.15	261
Q006169		4.55	0.149	0.88	8.24	38.3	1540	1.17	2.55	0.49	0.41	17.40	14.1	9	16.05	230
Q006170		6.11	0.301	1.47	7.57	183.0	1600	0.87	3.70	0.27	0.34	44.9	8.2	7	20.6	105.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123345

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006135		5.88	18.15	0.14	0.6	0.149	3.78	25.1	10.2	0.57	148	3.78	0.08	3.4	2.1	1090
Q006136		4.63	17.00	0.16	0.6	0.076	3.64	27.3	13.8	0.54	158	9.29	0.11	2.7	2.5	900
Q006137		3.95	20.0	0.14	0.5	0.122	4.18	12.4	13.3	0.51	100	4.77	0.13	3.2	1.2	800
Q006138		6.52	17.45	0.18	0.7	0.081	4.07	29.6	10.3	0.60	253	3.06	0.09	2.3	3.4	1730
Q006139		6.70	16.30	0.15	0.5	0.094	3.29	22.1	15.1	0.49	159	2.14	0.07	2.4	2.7	1460
Q006140		5.40	16.90	0.15	0.6	0.061	2.59	21.4	23.3	0.31	129	2.44	0.06	4.2	4.5	1320
Q006141		4.61	16.85	0.14	0.7	0.056	2.98	22.5	26.1	0.31	127	2.55	0.18	5.9	3.2	1140
Q006142		6.58	14.35	0.12	1.1	0.826	2.98	23.5	19.3	0.78	1800	8.31	0.13	6.0	12.2	520
Q006143		5.83	15.30	0.14	0.5	0.078	2.74	16.7	17.5	1.19	104	2.23	1.01	5.2	3.2	1270
Q006144		7.45	18.45	0.15	0.5	0.112	3.69	8.7	11.5	0.78	119	6.13	0.37	3.5	1.9	1330
Q006145		5.79	19.95	0.15	0.5	0.103	2.90	8.8	20.3	0.79	200	2.45	0.26	5.0	3.3	1750
Q006146		6.23	17.85	0.14	0.6	0.184	3.35	14.5	12.8	0.58	356	2.33	0.11	4.8	3.5	1590
Q006147		3.14	17.25	0.15	1.6	0.374	3.86	21.2	5.6	0.52	139	4.90	0.08	6.7	0.6	720
Q006148		3.03	18.05	0.18	0.8	0.598	3.90	24.6	9.0	0.48	124	3.22	0.06	5.8	0.7	580
Q006149		3.31	17.40	0.13	1.1	0.163	3.23	21.5	15.3	0.39	142	3.52	0.05	5.7	1.3	830
Q006150		6.18	18.65	0.15	0.6	0.114	2.98	24.9	20.6	0.37	176	5.32	0.08	4.8	2.3	1760
Q006151		0.50	0.35	0.22	<0.1	<0.005	0.05	0.8	1.2	12.75	213	0.15	0.01	0.2	1.7	280
Q006152		7.37	18.20	0.15	0.6	0.131	2.52	12.9	21.4	0.36	180	3.52	0.07	5.4	2.2	1830
Q006153		6.92	18.80	0.14	0.6	0.159	2.78	14.3	23.6	0.24	122	2.50	0.06	5.8	2.7	1920
Q006154		6.86	16.10	0.16	0.5	0.139	2.35	14.0	22.1	1.46	288	2.43	0.44	4.5	3.3	1660
Q006155		7.81	17.65	0.17	0.6	0.109	2.24	19.5	20.2	1.63	137	1.44	0.75	4.4	2.3	1800
Q006156		7.79	18.15	0.17	0.6	0.186	2.31	24.9	15.7	1.68	171	1.95	1.09	4.8	2.7	1820
Q006157		7.18	18.25	0.20	0.6	0.154	3.47	34.5	13.5	1.13	130	1.98	0.81	5.0	1.9	2130
Q006158		3.19	14.05	0.17	1.7	0.124	3.46	22.1	8.7	0.42	78	3.04	0.06	7.4	0.8	850
Q006159		1.60	10.10	0.14	2.6	0.178	3.09	8.5	8.2	0.31	87	2.65	0.04	8.3	0.9	200
Q006160		6.49	16.35	0.20	0.6	0.155	4.36	20.4	11.0	0.43	150	4.62	0.10	4.9	1.8	1830
Q006161		7.07	16.95	0.17	0.6	0.129	3.04	17.2	17.0	1.45	149	1.44	0.96	4.5	1.6	1580
Q006162		6.26	18.45	0.16	0.5	0.084	2.45	18.6	15.9	0.98	166	1.46	1.16	5.1	2.3	1690
Q006163		6.19	17.80	0.19	0.5	0.082	2.60	25.2	10.9	0.96	123	0.68	1.81	4.8	1.7	1660
Q006164		4.63	18.30	0.16	0.6	0.142	3.15	18.4	20.0	0.35	112	1.70	0.11	6.0	1.7	1560
Q006165		5.87	19.45	0.18	0.6	0.163	3.02	27.1	18.7	0.43	256	2.12	0.15	5.9	2.6	1550
Q006166		6.06	17.55	0.17	0.6	0.181	2.45	16.8	22.2	1.69	343	1.88	1.00	6.0	2.7	1770
Q006167		5.70	16.90	0.17	0.5	0.122	2.34	15.8	23.8	1.69	351	2.02	1.38	5.6	2.3	1610
Q006168		6.38	17.70	0.16	0.5	0.204	2.70	15.4	20.7	1.97	503	1.36	0.74	5.5	3.0	1540
Q006169		7.25	18.05	0.13	0.6	0.176	2.74	7.2	18.8	0.87	324	1.28	0.31	4.7	3.1	1620
Q006170		8.48	17.30	0.18	0.5	0.405	3.06	25.1	15.0	0.42	349	2.63	0.07	3.6	2.7	1670

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123345

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006135		139.0	204	<0.002	0.76	14.25	16.1	3	10.1	116.0	0.25	0.34	8.2	0.233	3.82	1.5
Q006136		148.0	219	<0.002	0.93	24.9	17.8	5	7.7	137.0	0.20	0.66	9.7	0.266	3.95	1.4
Q006137		354	213	<0.002	1.17	73.1	16.3	3	19.6	173.5	0.20	1.77	4.6	0.291	3.68	1.2
Q006138		156.0	220	<0.002	0.73	16.95	18.3	5	6.5	144.5	0.17	0.67	9.1	0.258	3.86	2.0
Q006139		103.5	177.5	<0.002	0.51	37.0	15.9	4	6.6	96.4	0.16	0.59	9.4	0.254	3.33	1.7
Q006140		36.3	126.0	<0.002	0.24	92.8	16.1	3	4.9	66.9	0.31	0.23	9.8	0.306	2.48	2.4
Q006141		30.7	137.5	<0.002	0.21	18.15	15.1	2	4.7	114.5	0.40	0.22	14.7	0.334	2.39	2.5
Q006142		1320	161.0	<0.002	4.66	63.6	9.1	1	7.3	96.2	0.48	1.41	12.2	0.215	2.44	5.0
Q006143		31.7	108.0	<0.002	0.55	5.07	14.7	2	4.8	383	0.34	0.14	10.8	0.324	1.88	1.6
Q006144		204	206	<0.002	0.83	7.10	22.0	5	11.8	109.0	0.23	0.37	6.5	0.308	3.38	1.5
Q006145		25.3	130.5	<0.002	0.37	14.75	26.8	1	8.6	128.0	0.28	0.23	4.8	0.459	2.72	2.4
Q006146		267	177.0	<0.002	0.23	22.3	21.7	4	9.5	66.1	0.28	0.52	6.5	0.399	3.59	3.0
Q006147		1540	194.5	<0.002	0.46	40.0	12.2	4	13.5	56.9	0.61	0.86	11.9	0.246	3.81	3.1
Q006148		1400	217	<0.002	0.63	169.0	15.5	7	17.3	96.1	0.39	3.01	8.3	0.340	4.31	1.8
Q006149		271	175.0	<0.002	0.36	69.4	13.9	4	12.0	74.5	0.45	0.54	7.9	0.296	3.45	3.0
Q006150		108.5	174.0	<0.002	0.31	62.4	21.2	3	6.5	98.5	0.30	0.52	8.0	0.376	3.67	2.9
Q006151		4.3	2.6	<0.002	0.01	0.60	0.3	<1	0.2	49.3	<0.05	<0.05	0.2	0.005	0.05	1.0
Q006152		83.9	123.0	<0.002	0.27	32.3	19.8	2	4.2	97.8	0.31	0.27	6.9	0.426	2.37	2.4
Q006153		64.2	126.0	<0.002	0.26	58.0	21.2	2	4.3	110.5	0.34	0.36	7.8	0.477	2.42	3.4
Q006154		32.1	84.0	<0.002	0.35	7.92	18.5	2	4.8	187.5	0.27	0.32	6.4	0.375	1.84	3.2
Q006155		18.4	109.5	<0.002	0.76	3.06	19.8	2	4.3	224	0.27	0.63	9.7	0.358	1.96	3.1
Q006156		19.1	99.5	<0.002	0.76	3.17	20.0	2	6.6	361	0.27	0.37	9.3	0.403	2.00	3.0
Q006157		42.7	130.0	<0.002	0.66	7.31	16.1	3	9.3	320	0.31	0.30	9.8	0.387	2.50	2.3
Q006158		240	171.0	<0.002	0.33	51.6	8.4	5	7.4	65.3	0.69	0.82	10.4	0.197	3.22	3.3
Q006159		227	142.5	<0.002	0.20	48.2	2.6	7	7.8	32.4	0.98	2.16	10.2	0.054	2.68	3.8
Q006160		38.7	183.5	<0.002	0.31	22.5	16.8	7	9.5	71.5	0.29	0.48	7.5	0.368	3.37	2.0
Q006161		31.0	107.5	<0.002	0.54	5.48	18.6	4	6.1	280	0.27	0.92	8.2	0.359	2.21	2.2
Q006162		35.2	108.5	<0.002	0.72	5.13	19.6	4	6.0	227	0.31	0.60	7.9	0.388	2.12	2.3
Q006163		29.5	114.0	<0.002	0.65	5.08	17.2	4	6.4	288	0.29	0.68	7.6	0.354	2.37	2.5
Q006164		43.4	129.5	<0.002	0.22	23.8	16.7	5	6.7	109.5	0.37	0.58	7.0	0.404	2.56	2.2
Q006165		47.3	150.5	<0.002	0.35	54.3	23.4	4	8.6	103.5	0.34	0.69	7.6	0.430	2.88	3.1
Q006166		41.8	76.8	<0.002	0.18	3.79	18.6	2	7.6	288	0.35	0.59	6.7	0.423	2.08	2.8
Q006167		55.0	49.7	<0.002	0.38	1.68	17.1	3	7.7	332	0.32	0.66	5.0	0.406	2.07	2.7
Q006168		58.9	79.8	<0.002	0.20	2.19	22.7	3	7.9	217	0.32	1.33	5.8	0.448	2.43	2.6
Q006169		63.7	98.0	<0.002	0.23	10.45	22.0	4	7.2	146.0	0.27	0.94	5.4	0.437	2.37	2.1
Q006170		93.3	151.0	<0.002	1.63	11.15	15.7	3	8.6	253	0.22	1.35	7.6	0.319	2.81	1.7

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Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123345

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
Q006135		149	8.4	6.0	145	9.7
Q006136		157	10.9	6.4	108	11.2
Q006137		170	12.7	3.1	37	11.5
Q006138		177	7.2	9.2	249	12.6
Q006139		162	7.9	8.1	177	10.9
Q006140		159	4.1	8.2	124	11.2
Q006141		144	4.8	9.1	90	15.1
Q006142		63	5.5	11.0	2350	30.6
Q006143		141	3.8	8.6	57	9.5
Q006144		183	10.7	5.5	170	10.7
Q006145		229	6.6	7.2	83	11.9
Q006146		187	8.5	8.6	406	13.7
Q006147		113	9.3	5.9	183	41.6
Q006148		153	15.9	5.3	122	20.6
Q006149		134	12.4	7.5	183	29.5
Q006150		173	9.6	11.0	163	14.6
Q006151		3	0.2	0.9	18	0.6
Q006152		195	5.8	7.8	151	17.3
Q006153		209	7.1	8.1	98	14.5
Q006154		177	3.6	9.8	78	12.7
Q006155		175	3.1	10.3	59	13.8
Q006156		183	3.2	12.5	77	13.2
Q006157		166	5.5	11.6	100	16.9
Q006158		81	7.0	7.4	59	49.2
Q006159		18	3.6	6.2	70	65.4
Q006160		173	10.4	7.2	143	14.2
Q006161		173	4.7	8.1	69	15.2
Q006162		178	5.5	8.8	70	13.3
Q006163		171	6.7	8.5	62	11.4
Q006164		169	6.9	7.6	92	15.7
Q006165		187	6.4	9.0	126	15.4
Q006166		172	4.3	13.2	111	16.3
Q006167		173	4.8	15.3	114	13.4
Q006168		195	8.0	11.8	123	15.0
Q006169		212	5.8	8.9	125	18.4
Q006170		159	5.2	7.6	263	15.6

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123345

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2013
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CERTIFICATE WH13123346

Project: KLAZA-41

P.O. No.: Batch 24

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

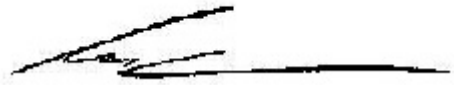
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH13123346

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006171		4.82	0.074	0.50	8.39	30.2	1690	1.60	1.56	0.39	1.24	27.8	15.4	8	17.65	158.5
Q006172		4.71	0.045	0.45	8.45	21.6	2090	1.93	1.37	0.76	0.86	48.8	17.2	7	25.4	182.0
Q006173		4.38	0.158	0.95	7.66	129.5	1080	1.84	3.78	0.17	0.60	32.1	12.3	9	54.1	165.5
Q006174		7.09	0.121	1.98	7.25	143.5	1290	1.71	7.27	0.20	1.35	57.9	9.4	15	36.9	83.4
Q006175		6.95	0.316	0.54	7.61	52.5	1160	0.86	4.00	0.07	0.05	28.9	7.1	9	10.95	25.4
Q006176		5.07	0.061	0.25	7.96	31.6	1100	1.03	1.21	0.11	0.23	47.8	13.6	9	12.15	47.4
Q006177		4.93	0.125	0.57	7.68	25.4	2390	0.96	2.26	0.12	0.05	52.1	3.6	10	18.95	17.3
Q006178		4.39	0.368	2.48	2.78	37.4	260	0.67	4.35	0.04	0.06	27.4	0.7	6	23.6	15.4
Q006179		5.12	0.300	1.71	6.46	192.5	2890	1.31	7.58	0.08	0.29	63.4	4.6	9	11.95	135.5
Q006180		0.26	0.923	12.00	6.21	1470	1140	1.43	11.85	1.79	31.4	46.4	17.7	18	13.10	281
Q006181		6.84	0.489	2.02	5.67	168.5	1890	1.42	2.69	0.06	0.32	67.0	2.8	7	10.15	288
Q006182		4.94	0.444	1.93	7.71	191.5	1510	1.51	7.17	0.11	0.16	64.7	6.6	10	21.5	220
Q006183		3.96	0.214	0.41	9.70	101.0	1740	1.46	2.96	0.07	0.30	57.4	10.8	17	11.25	72.4
Q006184		4.20	0.115	0.32	8.86	68.3	1350	1.16	1.21	0.08	0.50	33.6	6.3	12	6.56	102.5
Q006185		7.12	0.415	4.51	6.60	323	180	0.99	16.95	0.05	0.57	63.3	9.0	10	14.60	24.5
Q006186		4.53	0.396	0.48	8.38	52.2	1830	1.14	4.38	0.08	0.46	39.2	2.9	9	9.12	142.5
Q006187		4.76	0.119	0.66	7.91	57.4	1530	1.23	6.68	0.10	0.42	39.3	4.1	9	13.35	127.5
Q006188		4.08	0.236	0.55	8.77	45.9	2380	1.20	3.35	0.09	0.36	38.1	4.6	10	12.80	104.0
Q006189		5.51	0.093	0.42	7.49	52.1	1300	1.45	2.04	0.34	0.67	45.2	9.2	10	23.1	113.5
Q006190		5.64	0.146	1.41	6.52	69.4	850	1.21	3.27	0.16	0.54	47.4	6.8	7	11.40	99.7
Q006191		5.28	0.054	0.54	6.30	62.7	730	1.30	3.53	1.24	0.84	36.1	9.2	11	38.8	95.2
Q006192		4.34	0.059	0.79	7.41	25.5	1780	1.58	0.87	2.91	1.52	52.3	9.8	22	17.20	105.5
Q006193		3.36	0.006	0.12	6.75	9.2	450	1.76	0.28	3.84	0.17	58.9	7.7	24	18.70	9.3
Q006194		3.75	0.041	0.42	7.76	22.2	1510	1.75	1.66	2.03	0.44	45.9	16.3	19	29.6	102.5
Q006195		5.98	0.028	0.36	7.26	15.5	1990	1.70	2.65	3.39	0.49	54.9	15.7	16	16.60	61.0
Q006196		7.20	0.027	0.41	7.45	77.5	2000	1.61	1.09	3.54	0.51	53.4	16.2	16	22.9	91.7
Q006197		6.88	0.037	0.36	7.59	14.0	1570	1.54	2.52	2.95	0.32	49.5	14.7	19	24.2	114.0
Q006198		5.45	0.016	0.51	7.83	19.4	1550	1.65	9.42	0.53	1.20	40.6	11.0	21	10.05	81.4
Q006199		7.19	0.032	0.29	7.92	33.7	1900	1.62	8.44	0.84	0.38	42.1	13.3	25	12.10	71.0
Q006200		5.95	0.427	1.51	8.57	141.5	1950	1.63	14.55	1.33	1.34	57.2	22.9	14	22.0	215
Q006201		5.10	0.064	1.16	8.43	40.1	1380	1.60	7.53	2.17	1.54	45.7	16.6	12	27.4	190.0
Q006202		6.12	0.076	1.97	7.78	357	1870	1.72	43.8	3.69	4.98	60.1	20.0	13	18.40	163.0
Q006203		5.12	0.016	0.40	8.71	20.7	2280	1.95	2.29	1.67	5.81	67.1	34.5	20	19.40	334
Q006204		4.85	0.125	1.97	8.20	123.5	2190	1.71	30.4	0.51	1.41	50.3	24.4	13	13.00	657
Q006205		3.68	0.138	2.33	9.19	328	1690	2.19	27.1	0.19	1.96	54.6	19.5	13	22.9	975
Q006206		1.02	<0.005	0.02	0.11	<5	30	0.06	0.22	20.0	0.07	1.39	0.7	<1	0.21	5.4

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Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123346

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006171		5.75	17.75	0.11	0.7	0.161	2.59	13.0	23.4	0.40	345	1.97	0.24	5.4	4.6	1580
Q006172		5.72	17.80	0.19	0.6	0.180	2.53	20.9	26.0	0.50	382	1.49	0.50	6.0	6.5	1630
Q006173		5.31	17.80	0.14	0.9	0.155	2.04	15.3	39.9	0.32	317	2.35	0.05	5.2	4.6	1010
Q006174		3.93	17.70	0.15	2.3	0.175	2.32	31.0	34.6	0.32	395	9.11	0.06	8.1	6.3	880
Q006175		3.19	19.10	0.15	0.6	0.058	3.45	16.6	9.8	0.36	45	8.55	0.08	3.4	1.9	140
Q006176		3.46	15.50	0.14	0.6	0.043	2.19	27.8	29.3	0.27	119	4.68	0.05	4.8	3.0	510
Q006177		2.57	16.40	0.15	0.7	0.074	3.25	29.1	16.3	0.38	92	1.87	0.08	5.2	1.4	340
Q006178		1.17	7.30	0.13	0.6	0.037	1.16	16.0	59.2	0.13	41	4.68	0.03	3.2	0.7	200
Q006179		3.88	16.25	0.18	0.8	0.107	3.01	36.6	30.8	0.37	126	4.86	0.04	3.1	3.2	900
Q006180		6.35	15.05	0.15	1.0	0.773	2.76	24.3	19.9	0.74	1740	9.49	0.12	6.3	11.9	500
Q006181		3.56	13.10	0.17	1.1	0.109	2.84	37.6	28.5	0.29	67	2.71	0.05	3.9	2.6	540
Q006182		4.95	18.80	0.15	0.7	0.144	2.10	38.9	40.4	0.23	103	2.87	0.06	5.7	4.5	740
Q006183		5.54	21.3	0.13	0.4	0.107	2.22	29.4	37.0	0.14	150	4.07	0.06	9.4	4.2	250
Q006184		4.80	18.10	0.15	0.4	0.099	2.03	17.4	29.5	0.14	103	2.89	0.06	6.4	3.1	760
Q006185		9.17	20.4	0.18	0.4	0.105	3.01	30.7	12.2	0.37	48	5.24	0.05	4.4	2.2	100
Q006186		2.88	19.50	0.15	0.6	0.088	2.73	21.1	30.7	0.26	83	3.63	0.06	6.6	2.1	430
Q006187		3.93	17.15	0.15	0.5	0.096	2.62	21.1	27.6	0.29	102	3.86	0.06	4.8	2.6	460
Q006188		4.53	20.9	0.16	0.7	0.143	2.95	19.6	27.6	0.30	138	2.53	0.05	6.5	2.9	610
Q006189		4.25	17.55	0.15	0.5	0.131	3.00	24.7	15.5	0.43	293	2.30	0.07	5.6	4.4	560
Q006190		3.31	15.30	0.17	0.5	0.174	3.01	27.2	17.4	0.37	316	2.23	0.05	4.7	3.0	310
Q006191		3.27	14.15	0.17	0.9	0.115	1.73	18.4	38.6	0.39	504	5.97	0.07	6.2	5.1	700
Q006192		3.34	19.40	0.21	2.9	0.079	2.18	25.4	42.4	0.77	1120	1.90	0.17	10.7	8.3	1500
Q006193		2.83	18.35	0.21	3.5	0.031	2.26	29.9	33.3	1.15	1050	1.35	0.08	11.2	8.8	1420
Q006194		4.16	20.0	0.20	1.1	0.187	2.24	22.0	43.4	0.51	449	1.84	0.85	9.2	9.6	1280
Q006195		4.53	17.70	0.21	0.7	0.122	2.62	28.1	18.9	1.39	668	1.50	1.81	9.0	7.8	1220
Q006196		4.47	17.80	0.19	0.7	0.114	2.49	25.7	18.7	0.90	737	1.91	1.42	8.8	7.8	1270
Q006197		4.40	17.75	0.20	1.0	0.222	2.46	25.4	20.3	1.24	630	1.33	1.49	7.2	9.7	1170
Q006198		3.50	21.1	0.17	2.2	0.345	3.25	20.1	22.0	0.24	383	1.47	0.61	7.5	14.8	820
Q006199		4.26	20.1	0.15	2.0	0.223	2.70	18.9	27.4	0.47	459	1.55	0.49	8.4	13.2	1220
Q006200		6.10	21.1	0.19	1.1	0.230	2.47	26.2	19.6	0.84	582	2.19	1.16	6.7	8.1	1530
Q006201		5.13	20.4	0.18	1.2	0.182	2.00	21.7	16.8	1.17	576	4.04	1.97	6.8	7.0	1330
Q006202		5.89	17.05	0.17	0.7	0.163	2.06	32.4	13.3	1.51	1330	1.96	1.86	7.0	9.3	1380
Q006203		6.72	18.95	0.20	0.8	0.127	2.21	31.3	21.9	0.83	1710	2.35	1.31	8.2	13.3	1490
Q006204		8.33	19.40	0.17	0.7	0.366	2.80	24.3	19.6	0.37	612	3.62	0.46	6.6	10.9	1360
Q006205		8.39	22.7	0.15	0.7	0.473	3.11	26.9	25.7	0.28	570	7.35	0.08	6.0	12.3	1530
Q006206		0.51	0.33	0.14	<0.1	0.010	0.03	0.7	1.2	12.65	203	0.13	0.01	0.2	1.6	170

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006171		45.4	102.5	<0.002	0.06	10.30	17.9	1	6.3	119.0	0.33	0.41	6.9	0.388	2.28	2.6
Q006172		32.3	105.5	<0.002	0.06	12.10	18.9	2	4.1	217	0.41	0.34	7.1	0.421	2.10	3.8
Q006173		86.6	115.5	0.002	0.24	27.4	16.5	2	8.4	190.5	0.41	1.13	7.4	0.290	2.41	6.4
Q006174		219	119.5	<0.002	0.31	35.1	8.1	2	5.1	318	0.63	2.61	10.7	0.244	2.09	5.5
Q006175		15.9	153.5	0.005	1.58	23.1	9.7	3	8.3	27.7	0.35	1.29	3.7	0.154	1.51	1.0
Q006176		28.0	102.0	0.003	0.28	20.6	9.6	4	2.8	71.7	0.47	0.36	13.2	0.183	1.49	2.6
Q006177		45.2	147.0	0.003	0.51	12.95	9.9	2	9.9	84.8	0.50	0.47	11.5	0.178	2.18	2.1
Q006178		200	70.9	<0.002	0.14	66.3	2.9	2	7.8	123.0	0.27	0.61	5.2	0.101	1.10	1.6
Q006179		72.1	193.5	<0.002	0.42	112.0	11.1	2	7.2	163.0	0.26	0.78	21.1	0.182	2.23	2.8
Q006180		1285	165.0	<0.002	4.44	69.1	9.1	2	7.4	94.8	0.57	1.39	10.6	0.199	2.30	4.9
Q006181		96.0	167.5	<0.002	0.26	123.5	8.1	1	4.5	89.8	0.38	0.39	30.2	0.122	2.09	3.6
Q006182		43.8	129.5	<0.002	0.34	149.5	12.1	2	7.2	178.0	0.46	0.60	16.6	0.246	1.61	3.2
Q006183		32.8	109.5	0.003	0.26	21.7	14.9	5	4.3	83.3	0.72	0.46	8.1	0.291	1.56	1.9
Q006184		28.0	97.0	<0.002	0.13	10.70	12.0	3	3.3	60.5	0.51	0.28	12.0	0.284	1.37	4.0
Q006185		91.6	180.5	0.003	>10.0	17.40	9.2	9	23.0	42.8	0.39	1.87	4.0	0.153	2.22	1.7
Q006186		17.3	140.0	<0.002	0.25	19.90	11.7	2	7.2	43.7	0.63	0.89	10.6	0.238	1.70	1.9
Q006187		36.6	134.0	<0.002	0.37	24.8	11.5	2	6.1	49.8	0.43	0.84	10.4	0.200	1.93	2.3
Q006188		27.0	142.0	<0.002	0.49	31.6	12.1	2	9.5	74.7	0.61	0.87	13.9	0.235	2.23	2.9
Q006189		27.2	154.0	<0.002	1.81	29.9	11.0	2	8.8	52.7	0.53	0.43	14.5	0.210	2.69	2.5
Q006190		40.7	154.0	<0.002	1.86	100.5	8.4	3	15.2	26.8	0.47	0.62	8.9	0.155	2.62	1.6
Q006191		59.1	78.5	<0.002	1.41	37.4	9.0	2	6.2	122.0	0.50	0.49	6.9	0.237	1.38	2.2
Q006192		134.5	69.2	<0.002	0.28	41.6	10.7	1	1.9	165.0	0.73	0.22	7.1	0.382	1.39	3.3
Q006193		38.1	61.1	<0.002	0.03	13.55	6.0	1	1.2	161.5	0.77	<0.05	6.7	0.329	1.31	3.3
Q006194		36.0	85.4	<0.002	0.77	24.9	16.6	1	4.0	268	0.66	0.31	9.5	0.404	1.46	3.4
Q006195		22.4	92.3	<0.002	0.35	3.54	16.2	2	3.0	473	0.65	0.40	11.7	0.396	1.45	3.2
Q006196		18.3	89.5	<0.002	0.22	6.70	16.8	1	2.5	421	0.61	0.26	10.5	0.421	1.43	2.7
Q006197		18.9	95.3	<0.002	0.57	5.39	14.9	2	5.3	437	0.52	0.44	8.5	0.388	1.59	2.6
Q006198		55.0	130.5	<0.002	0.31	8.38	9.7	1	11.3	207	0.57	0.57	7.7	0.314	1.80	3.0
Q006199		28.3	102.0	<0.002	0.35	11.55	13.4	1	9.4	179.5	0.59	0.62	7.6	0.385	1.55	3.0
Q006200		45.3	131.0	<0.002	0.14	29.6	20.0	2	5.7	342	0.45	2.61	8.4	0.431	1.90	4.3
Q006201		30.9	106.5	<0.002	0.25	7.55	18.1	1	5.0	488	0.45	0.66	6.4	0.445	1.69	3.8
Q006202		89.9	89.7	<0.002	0.14	15.75	17.0	2	3.0	536	0.48	0.41	7.2	0.414	1.36	3.8
Q006203		31.6	95.1	<0.002	0.06	7.80	19.5	2	2.2	402	0.57	0.13	9.0	0.435	1.39	7.7
Q006204		62.3	128.5	<0.002	0.39	46.1	17.5	2	7.8	193.0	0.46	0.38	8.1	0.369	2.20	16.1
Q006205		142.0	160.5	<0.002	0.36	106.5	20.3	2	11.8	61.2	0.44	0.89	9.2	0.330	2.94	29.2
Q006206		1.9	1.6	<0.002	<0.01	0.47	0.3	1	<0.2	44.7	<0.05	<0.05	<0.2	0.005	0.03	0.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123346

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q006171		176	4.6	13.4	150	18.8
Q006172		182	4.1	20.6	151	14.9
Q006173		138	9.4	8.0	198	14.3
Q006174		67	6.0	9.3	341	83.2
Q006175		86	7.3	3.9	11	10.8
Q006176		80	4.5	8.2	74	12.1
Q006177		86	18.0	5.3	61	16.5
Q006178		34	6.7	3.7	22	21.1
Q006179		110	6.2	8.1	166	16.9
Q006180		60	5.8	10.8	2270	27.0
Q006181		61	6.5	8.2	96	22.7
Q006182		102	11.1	10.3	95	12.6
Q006183		94	5.7	17.8	83	8.6
Q006184		129	9.7	8.8	68	7.2
Q006185		76	16.1	7.6	44	8.6
Q006186		89	9.0	8.8	50	12.3
Q006187		88	5.7	8.2	76	10.5
Q006188		96	6.0	7.9	103	13.0
Q006189		84	8.5	11.6	69	10.2
Q006190		63	11.6	6.6	66	10.3
Q006191		79	7.7	9.1	101	28.1
Q006192		111	8.3	12.5	235	105.0
Q006193		68	3.9	11.9	164	140.0
Q006194		146	6.4	19.3	84	28.6
Q006195		145	1.8	22.6	74	11.5
Q006196		153	4.7	21.7	71	12.7
Q006197		138	2.7	18.5	65	26.0
Q006198		83	4.2	10.7	126	71.6
Q006199		122	4.6	14.7	72	68.4
Q006200		170	4.2	22.9	152	28.5
Q006201		161	3.4	20.5	143	36.1
Q006202		157	3.2	26.0	206	13.1
Q006203		161	5.3	28.6	399	16.2
Q006204		145	8.9	19.0	505	14.2
Q006205		150	10.7	13.4	623	15.0
Q006206		3	0.2	0.8	15	<0.5

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123346

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- MS61

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Finalized Date: 18-JUL-2013
Account: ROCKHA

CERTIFICATE WH13123347

Project: KLAZA-41

P.O. No.: Batch 25

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

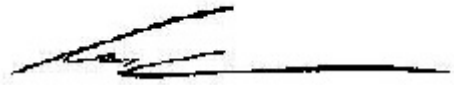
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123347

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006207		4.27	0.154	2.92	7.80	303	440	1.18	23.1	0.18	0.24	71.9	3.7	12	14.10	240
Q006208		4.83	0.420	6.37	5.30	267	690	0.90	131.0	0.13	0.19	40.4	0.6	7	11.50	57.0
Q006209		5.49	0.405	1.93	7.39	245	1260	1.13	37.5	0.21	0.28	61.0	1.9	11	10.90	196.0
Q006210		3.44	0.045	5.64	6.39	142.0	900	0.93	55.6	0.05	0.31	21.0	0.3	5	6.36	41.7
Q006211		4.16	0.040	7.07	6.27	71.9	2530	0.97	32.8	0.07	0.23	18.75	0.5	7	4.85	19.7
Q006212		5.53	0.035	2.87	7.10	66.9	1570	1.39	18.40	0.09	0.59	34.0	0.6	11	5.14	52.6
Q006213		4.28	0.323	1.53	7.62	66.6	3420	1.68	11.90	0.08	1.03	32.1	1.2	12	7.75	139.5
Q006214		1.04	<0.005	0.05	0.15	<5	60	0.07	0.35	19.95	0.07	1.94	0.7	<1	0.22	3.1
Q006215		5.90	0.039	0.79	7.36	56.2	3650	1.78	19.55	0.18	1.88	41.5	4.3	12	6.51	191.0
Q006216		5.11	0.112	1.39	7.42	90.2	1440	1.85	15.65	0.39	1.38	65.4	4.6	16	9.49	183.5
Q006217		5.59	0.081	1.35	8.43	81.2	1510	2.13	52.0	0.10	1.25	68.9	10.5	11	12.00	288
Q006218		6.42	0.037	0.54	9.53	37.7	1780	1.51	8.51	0.23	1.71	52.7	23.4	14	13.60	106.0
Q006219		7.04	0.241	0.78	9.24	56.8	970	1.42	6.01	0.20	0.91	48.8	19.1	13	13.55	141.5
Q006220		0.26	0.454	4.34	6.46	708	740	1.42	3.26	2.02	10.50	46.2	12.6	23	12.60	318
Q006221		5.62	0.114	0.62	8.67	73.7	1350	1.50	2.83	0.57	1.17	56.7	22.0	13	18.00	113.0
Q006222		7.30	0.227	0.83	8.74	55.8	1590	1.19	14.15	0.24	0.45	38.2	12.2	12	18.80	85.7
Q006223		6.97	0.121	1.36	7.41	226	1470	1.63	8.60	0.71	1.38	56.0	18.5	15	19.75	155.0
Q006224		5.25	0.060	0.65	8.52	72.1	1480	1.68	5.86	1.44	0.78	56.8	12.9	17	10.35	88.6
Q006225		4.50	0.050	0.50	8.47	72.1	1280	1.63	6.08	0.60	0.52	38.6	8.6	13	13.45	39.8
Q006226		5.29	0.014	0.50	7.47	80.3	1840	1.98	8.03	0.52	1.26	48.0	8.2	9	6.79	168.5
Q006227		3.56	0.121	1.22	7.95	60.1	1170	1.42	6.87	0.93	0.42	33.0	4.5	12	9.15	330
Q006228		4.05	0.132	1.26	7.92	72.2	1060	1.31	11.00	1.23	0.56	40.6	4.9	15	8.04	187.0
Q006229		5.28	0.312	1.38	7.68	547	800	1.75	31.2	0.61	0.57	28.6	4.4	8	11.20	271
Q006230		6.25	0.024	0.68	8.44	55.1	590	1.77	5.64	1.31	1.14	35.4	3.5	10	11.30	317
Q006231		4.64	0.026	0.34	8.21	74.2	840	2.14	3.34	0.63	4.79	41.1	26.6	9	21.0	495
Q006232		4.33	0.058	0.61	7.92	69.4	530	1.76	5.32	0.78	0.42	24.0	5.8	10	11.90	183.0
Q006233		4.80	0.761	3.87	8.48	224	690	1.63	178.5	0.44	1.79	56.0	9.2	12	15.10	370
Q006234		5.80	0.118	1.12	8.23	123.0	870	1.50	15.45	0.16	0.60	51.9	10.8	11	9.39	257
Q006235		5.65	0.074	0.69	7.76	81.5	1470	1.42	7.44	0.48	0.87	36.7	15.7	11	12.00	262
Q006236		4.01	0.035	0.59	8.06	66.4	3070	1.63	6.47	0.78	0.77	42.3	14.0	13	15.35	106.5
Q006237		4.82	0.054	0.70	9.03	167.0	1330	1.84	7.10	0.20	3.00	56.6	46.0	13	21.5	160.5
Q006238		4.13	0.061	0.49	7.79	93.4	1160	1.90	3.56	0.50	1.22	27.7	25.9	13	10.40	190.0
Q006239		3.83	0.033	0.42	8.07	39.3	2060	1.63	2.28	1.36	0.73	40.7	16.4	13	10.30	101.0
Q006240		5.19	0.197	0.92	8.09	405	1790	2.00	11.30	0.73	2.12	50.6	18.3	14	19.25	296
Q006241		5.12	0.150	0.61	7.87	259	1490	1.60	3.50	0.66	1.48	49.5	17.6	15	13.45	197.0
Q006242		6.29	0.080	0.39	8.06	82.4	2180	1.98	3.02	1.15	3.27	99.3	76.0	17	22.0	179.0

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123347

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006207		6.70	20.9	0.15	1.1	0.683	2.21	41.6	93.2	0.24	129	26.8	0.04	6.8	2.9	680
Q006208		5.00	15.25	0.13	1.3	0.554	2.85	23.5	19.7	0.25	65	103.0	0.08	5.7	1.0	1380
Q006209		6.60	20.1	0.15	1.1	1.130	2.96	33.4	22.2	0.29	111	34.7	0.07	5.5	2.0	1060
Q006210		1.71	14.10	0.10	2.3	0.861	3.16	10.1	16.8	0.25	96	8.18	0.03	9.3	0.8	360
Q006211		1.48	14.55	0.12	2.3	0.324	2.61	9.3	30.0	0.23	96	5.16	0.05	8.0	0.7	200
Q006212		2.56	20.7	0.14	1.9	0.492	3.20	18.3	28.5	0.29	113	3.08	0.06	6.9	0.9	480
Q006213		3.18	19.95	0.16	1.9	0.402	4.95	17.3	16.1	0.27	116	1.32	0.06	5.8	1.7	690
Q006214		0.51	0.43	0.21	<0.1	0.009	0.07	1.0	1.3	12.55	211	0.15	<0.01	0.3	1.7	170
Q006215		3.12	18.35	0.27	2.0	0.186	4.32	22.4	16.2	0.25	333	2.03	0.06	7.0	3.3	670
Q006216		3.04	19.65	0.25	2.5	0.388	3.00	35.3	27.3	0.32	463	2.09	0.03	8.7	5.2	710
Q006217		3.92	20.6	0.23	1.6	0.208	3.03	37.1	26.7	0.23	613	4.84	0.04	7.9	4.8	920
Q006218		5.89	19.80	0.18	0.8	0.245	2.06	26.5	39.3	0.13	1290	2.02	0.07	7.6	8.8	1500
Q006219		5.71	21.0	0.19	0.7	0.323	2.05	25.9	45.2	0.15	905	3.04	0.08	8.2	8.3	1180
Q006220		4.91	15.20	0.16	1.1	0.290	2.94	26.9	26.0	0.75	1860	15.65	0.15	5.9	14.4	500
Q006221		6.03	19.15	0.19	0.7	0.201	2.03	30.3	51.7	0.18	1160	2.86	0.12	6.9	8.5	1510
Q006222		4.52	19.70	0.15	0.6	0.170	2.34	22.5	31.8	0.22	324	1.64	0.22	8.3	5.3	670
Q006223		4.40	17.25	0.19	1.0	0.177	2.27	29.4	27.0	0.59	878	5.95	0.64	7.6	8.3	870
Q006224		4.81	19.80	0.20	0.9	0.176	2.33	27.6	22.8	1.26	614	1.49	1.53	7.9	7.8	1150
Q006225		5.76	19.35	0.19	0.8	0.118	2.92	18.1	18.3	1.25	379	1.09	1.73	7.9	4.6	860
Q006226		2.38	16.70	0.22	2.0	0.099	3.96	24.8	13.4	0.43	346	4.21	0.59	9.7	4.3	370
Q006227		4.33	16.65	0.18	0.7	0.248	2.26	21.4	21.7	0.85	264	0.86	1.00	7.3	4.8	580
Q006228		3.75	16.00	0.17	0.7	0.231	2.02	23.1	17.2	0.77	353	0.97	1.74	7.0	6.3	580
Q006229		3.33	16.25	0.17	0.7	0.236	1.85	18.3	15.9	0.63	179	0.81	1.78	7.7	4.9	430
Q006230		3.44	16.90	0.18	0.5	0.257	1.36	20.9	23.8	0.73	304	0.57	2.19	7.3	5.9	570
Q006231		3.89	16.75	0.18	0.5	0.244	1.38	16.9	31.2	0.34	1260	0.68	1.52	7.4	12.9	600
Q006232		3.76	16.60	0.14	0.5	0.244	1.40	11.3	20.5	0.63	243	0.66	2.33	7.5	6.9	590
Q006233		5.87	18.95	0.17	0.6	0.370	2.41	33.9	23.5	0.57	377	6.69	1.11	6.8	6.5	870
Q006234		4.90	18.70	0.17	0.6	0.216	3.09	28.2	26.1	0.33	428	2.95	0.15	6.8	7.2	690
Q006235		5.04	17.45	0.15	0.6	0.204	2.67	19.1	23.4	0.53	688	1.20	0.67	7.1	9.2	820
Q006236		5.89	18.00	0.16	0.7	0.230	2.75	22.8	18.1	0.59	638	1.19	1.31	8.3	7.7	1250
Q006237		5.07	19.80	0.20	0.8	0.293	3.24	27.0	29.1	0.23	2670	1.53	0.22	9.4	11.0	1310
Q006238		5.27	17.05	0.15	0.7	0.255	2.12	11.3	28.5	0.35	908	1.37	0.78	7.9	13.7	1260
Q006239		4.53	17.40	0.19	0.8	0.183	2.09	19.5	19.8	0.96	783	1.12	1.98	8.1	8.0	1240
Q006240		5.55	18.05	0.18	0.8	0.278	3.08	25.6	27.6	0.63	1540	2.52	0.65	8.0	10.2	1260
Q006241		4.59	16.00	0.16	0.7	0.256	2.88	24.3	18.1	0.59	1080	3.14	0.67	7.3	8.4	1180
Q006242		4.59	18.05	0.20	0.8	0.161	2.69	30.1	26.8	1.05	2700	1.63	1.10	8.5	17.5	1050

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123347

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006207		246	120.5	<0.002	0.82	74.0	9.2	2	10.1	88.3	0.58	2.01	9.8	0.199	2.04	7.7
Q006208		388	141.0	<0.002	1.53	130.0	6.1	3	13.3	108.0	0.57	7.20	8.3	0.161	2.48	3.3
Q006209		94.1	151.5	<0.002	1.53	140.0	10.4	2	10.9	98.5	0.46	4.69	16.1	0.248	2.41	3.9
Q006210		497	130.0	<0.002	0.38	28.3	2.7	1	8.7	40.1	1.08	7.32	17.2	0.080	2.53	3.0
Q006211		726	116.5	<0.002	0.44	14.85	2.7	2	6.8	56.4	0.86	3.22	9.0	0.102	2.00	2.7
Q006212		802	140.5	<0.002	0.71	10.35	4.7	1	7.5	100.5	0.62	7.46	12.9	0.154	2.34	3.1
Q006213		1490	132.5	<0.002	0.44	5.20	6.6	1	5.0	148.0	0.54	2.05	8.3	0.139	2.68	4.9
Q006214		20.9	2.7	<0.002	0.01	0.25	0.2	<1	0.2	47.9	<0.05	0.08	0.3	0.005	0.04	1.3
Q006215		292	134.0	<0.002	0.11	10.20	5.9	1	4.2	96.2	0.60	1.66	9.5	0.157	2.53	4.8
Q006216		193.0	128.5	<0.002	0.09	20.4	6.3	1	3.9	46.6	0.69	1.02	9.9	0.214	2.08	3.3
Q006217		167.0	125.5	<0.002	0.09	49.9	10.1	1	6.1	39.0	0.70	1.26	11.2	0.243	2.13	3.9
Q006218		32.7	100.5	<0.002	0.04	37.2	17.5	1	6.8	90.0	0.53	0.37	8.6	0.436	1.78	3.0
Q006219		27.7	113.5	<0.002	0.10	61.3	15.3	1	6.8	69.7	0.63	0.78	9.7	0.380	1.83	3.3
Q006220		474	159.0	0.004	2.60	26.8	8.7	1	5.7	107.0	0.50	0.29	9.9	0.203	2.34	4.6
Q006221		36.4	103.5	<0.002	0.18	57.2	17.1	1	4.2	86.9	0.48	0.19	8.6	0.397	1.59	3.0
Q006222		59.9	116.0	<0.002	0.06	25.5	11.7	1	4.6	98.2	0.65	2.28	7.5	0.323	1.69	1.7
Q006223		113.0	118.0	<0.002	0.06	46.7	12.8	1	6.0	175.5	0.62	0.63	10.0	0.300	2.10	3.3
Q006224		39.8	107.5	<0.002	0.09	6.57	15.2	1	7.1	337	0.59	0.31	10.3	0.381	1.73	2.8
Q006225		31.2	120.0	<0.002	0.28	3.75	13.8	1	9.9	277	0.58	0.38	7.2	0.344	2.41	2.5
Q006226		33.1	135.5	<0.002	0.10	5.29	5.8	1	2.9	137.5	1.03	0.30	12.6	0.159	2.29	4.7
Q006227		36.2	85.8	<0.002	0.12	4.46	10.9	1	4.7	236	0.63	0.89	10.7	0.265	1.30	2.7
Q006228		38.0	85.2	<0.002	0.20	5.13	9.9	1	4.7	312	0.59	1.01	9.1	0.276	1.30	2.6
Q006229		52.0	94.6	<0.002	0.07	5.82	9.6	1	4.2	214	0.85	0.72	15.7	0.207	1.42	3.2
Q006230		29.0	71.8	<0.002	0.08	4.49	11.6	1	5.0	303	0.61	0.15	10.9	0.289	1.17	3.3
Q006231		26.2	70.2	<0.002	0.03	5.44	10.9	2	4.3	174.5	0.60	0.24	8.9	0.283	1.21	3.8
Q006232		30.9	77.1	<0.002	0.05	5.65	11.4	1	5.9	276	0.62	0.69	9.3	0.277	1.22	2.8
Q006233		55.6	137.0	<0.002	0.33	12.60	13.2	1	8.4	180.5	0.57	4.33	13.6	0.272	1.88	2.8
Q006234		32.4	195.0	<0.002	0.20	8.86	11.8	2	6.9	56.7	0.59	3.00	13.7	0.254	2.23	2.7
Q006235		29.4	118.5	<0.002	0.16	8.45	11.7	1	6.1	177.0	0.55	0.53	8.8	0.296	2.03	2.9
Q006236		39.4	127.5	<0.002	0.27	7.42	13.2	2	5.0	343	0.62	0.32	9.9	0.360	2.05	3.0
Q006237		47.7	163.5	<0.002	0.07	18.25	16.4	2	6.4	81.5	0.69	0.37	12.0	0.383	3.08	3.9
Q006238		37.2	92.1	<0.002	0.13	7.82	12.9	1	6.0	168.5	0.57	0.18	7.6	0.359	1.80	3.7
Q006239		29.8	100.0	<0.002	0.12	4.68	13.4	2	4.9	379	0.58	0.11	10.2	0.362	1.50	3.0
Q006240		45.8	144.0	<0.002	0.19	20.2	14.4	3	6.4	230	0.58	0.20	10.5	0.337	2.31	4.1
Q006241		42.8	132.0	<0.002	0.19	25.0	12.7	2	5.2	188.0	0.53	0.13	11.3	0.324	2.11	3.9
Q006242		35.9	110.0	<0.002	0.04	6.24	14.3	3	2.9	275	0.62	0.09	11.8	0.334	1.49	3.2

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123347

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q006207		90	9.9	6.6	211	25.0
Q006208		76	14.6	3.9	29	32.8
Q006209		116	9.1	5.9	143	24.6
Q006210		18	6.8	3.8	28	54.8
Q006211		19	9.1	3.9	17	58.9
Q006212		36	11.4	4.6	64	55.0
Q006213		43	8.4	5.9	278	53.7
Q006214		2	0.2	0.7	16	0.9
Q006215		42	8.0	9.4	285	60.6
Q006216		50	6.8	10.7	179	83.2
Q006217		86	9.1	15.5	253	43.7
Q006218		163	6.4	22.5	210	15.4
Q006219		142	8.6	19.1	149	13.5
Q006220		66	5.7	10.7	860	29.2
Q006221		158	14.4	24.1	141	13.5
Q006222		105	6.3	12.1	98	12.8
Q006223		111	6.0	18.7	204	21.3
Q006224		137	4.1	16.8	125	21.6
Q006225		132	4.0	10.1	91	16.7
Q006226		43	3.9	13.5	92	48.6
Q006227		91	3.9	8.2	103	15.1
Q006228		92	2.6	9.1	105	14.9
Q006229		73	2.5	9.4	86	13.9
Q006230		95	3.2	12.5	105	10.3
Q006231		93	5.8	25.7	326	10.9
Q006232		95	2.4	8.9	127	10.5
Q006233		117	6.3	11.0	146	12.3
Q006234		102	5.7	12.8	147	13.7
Q006235		107	3.6	12.0	169	14.5
Q006236		128	2.6	16.0	186	21.1
Q006237		139	8.0	27.7	171	22.7
Q006238		131	1.8	14.4	233	20.7
Q006239		129	1.6	16.3	134	22.0
Q006240		121	6.9	21.4	141	23.0
Q006241		114	3.8	16.7	148	20.2
Q006242		113	9.8	41.2	193	23.0

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123347

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2013
Account: ROCKHA

CERTIFICATE WH13123348

Project: KLAZA-41

P.O. No.: Batch 26

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

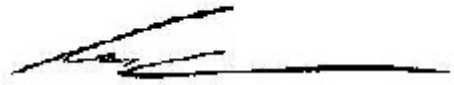
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123348

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006243		5.43	0.102	0.43	8.02	97.6	2160	1.70	3.38	1.61	1.06	51.3	17.0	16	9.89	82.1
Q006244		6.37	0.243	0.76	7.99	90.0	1550	1.59	3.83	1.40	0.98	49.5	11.1	15	9.38	76.9
Q006245		6.59	0.118	3.65	8.02	124.5	1650	1.37	13.45	1.14	0.95	54.6	6.9	15	12.85	501
Q006246		5.67	0.153	1.07	7.47	216	1760	1.40	3.45	0.14	4.28	41.0	8.8	14	23.1	93.8
Q006247		4.80	0.306	8.77	7.15	658	2470	1.70	35.9	0.30	6.01	40.3	13.4	20	13.30	697
Q006248		4.22	0.275	5.49	7.67	991	1540	1.81	27.1	0.16	6.61	52.9	9.1	20	14.50	929
Q006249		4.84	0.244	6.23	7.35	1455	930	1.24	33.9	0.12	1.31	39.5	1.0	9	15.50	134.5
Q006250		6.15	0.886	35.5	6.93	3320	1070	1.03	499	0.17	1.11	52.8	0.7	9	12.60	303
Q006251		4.65	0.083	1.35	7.95	378	920	1.50	6.92	0.16	4.95	45.9	6.9	11	18.65	916
Q006252		0.74	0.006	0.13	0.09	13	20	<0.05	1.33	21.4	0.08	1.27	0.7	1	0.48	6.4
Q006253		4.51	0.486	2.71	7.15	1600	1630	1.32	6.80	0.19	3.84	47.2	2.2	9	13.85	192.5
Q006254		4.05	0.103	1.60	7.39	762	750	1.34	7.39	0.16	3.78	51.4	2.7	10	15.35	139.5
Q006255		4.13	0.103	1.79	8.37	302	1030	2.19	6.51	0.18	22.9	48.1	19.2	11	13.15	250
Q006256		4.04	0.103	0.95	8.41	217	890	1.43	3.46	0.23	14.50	49.7	11.9	11	13.65	81.9
Q006257		2.79	0.099	1.64	8.43	321	870	1.31	5.40	0.26	17.00	49.9	5.1	14	10.95	126.0
Q006258		3.51	0.242	1.70	8.68	553	910	1.52	9.16	0.16	21.9	50.3	15.0	11	8.70	153.0
Q006259		4.17	0.199	5.76	7.64	1565	1540	2.08	20.3	0.20	14.85	46.2	8.1	16	36.3	577
Q006260		0.26	0.372	4.43	6.78	741	720	1.49	2.91	2.14	11.10	51.7	11.6	26	12.60	328
Q006261		3.85	1.300	98.9	5.59	6340	510	0.92	989	0.23	10.60	53.3	0.7	11	11.70	432
Q006262		3.44	0.146	2.55	8.47	630	850	2.09	8.14	0.15	23.3	54.6	8.9	22	11.35	691
Q006263		3.86	0.309	6.77	7.87	567	1000	1.36	109.5	0.21	4.98	64.4	2.1	12	15.20	314
Q006264		3.38	0.670	3.25	7.94	410	990	1.45	8.22	0.92	5.87	54.0	6.7	13	11.50	98.2
Q006265		5.05	0.246	3.35	8.14	340	870	1.62	6.35	0.77	3.45	47.5	8.7	11	14.30	87.6
Q006266		4.10	2.38	18.25	6.81	739	970	0.95	55.1	0.32	1.04	64.4	1.6	11	12.30	43.8
Q006267		3.01	0.080	0.76	8.12	157.0	1090	1.48	1.76	1.51	2.52	48.6	8.2	13	15.85	50.2
Q006268		7.95	0.074	1.03	8.07	116.5	1130	1.49	2.89	1.37	2.42	53.4	8.5	13	9.61	29.8
Q006269		5.32	0.103	1.03	7.87	147.0	1230	1.50	3.55	0.90	4.00	57.3	9.2	15	9.63	65.8
Q006270		4.05	0.141	1.68	7.80	152.5	1430	1.33	4.67	0.70	3.77	49.3	8.0	11	9.55	285
Q006271		4.20	0.211	5.05	6.98	490	910	1.32	11.40	0.41	2.32	49.3	4.9	15	13.05	379
Q006272		4.16	0.150	1.24	7.80	232	950	1.87	3.27	1.27	4.26	64.4	7.3	27	12.30	158.0
Q006273		6.15	0.161	2.61	7.54	301	1940	1.41	5.23	0.41	2.48	42.6	3.8	11	13.75	155.5
Q006274		4.78	0.887	16.85	7.81	628	1270	1.86	110.0	0.29	6.87	70.4	9.4	28	19.20	115.0
Q006275		3.81	0.341	1.55	6.83	222	1480	1.49	4.14	0.24	17.40	33.4	8.9	8	12.90	73.8
Q006276		3.75	0.227	1.20	7.61	169.0	1160	1.85	2.15	0.95	16.55	40.4	11.2	11	11.35	145.5
Q006277		6.66	0.058	2.11	8.01	348	1030	1.50	3.57	0.32	2.43	57.5	4.4	11	21.0	210
Q006278		4.77	0.496	3.96	7.15	702	730	1.01	5.47	0.18	0.79	51.0	1.0	9	12.20	51.3

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123348

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006243		4.44	17.65	0.19	0.8	0.172	2.82	25.7	22.2	1.10	694	1.56	1.54	8.6	8.4	1060
Q006244		4.85	18.05	0.16	0.6	0.256	2.61	24.2	14.9	1.12	658	1.77	1.33	7.3	7.0	1070
Q006245		4.95	17.95	0.17	0.7	0.871	2.35	28.9	22.3	0.71	527	1.39	0.90	7.5	4.7	890
Q006246		3.87	17.40	0.14	1.0	0.260	2.26	20.6	38.1	0.15	795	1.91	0.06	7.9	7.7	640
Q006247		5.41	18.10	0.17	2.4	0.483	3.84	19.4	44.7	0.23	2080	2.18	0.14	5.7	13.0	790
Q006248		6.58	18.80	0.13	2.4	0.320	3.35	27.3	20.5	0.20	1570	2.56	0.05	5.5	12.0	790
Q006249		4.41	17.00	0.12	0.6	0.744	3.75	19.4	8.8	0.28	173	4.73	0.05	6.2	1.3	320
Q006250		5.41	17.05	0.14	0.5	2.20	3.33	29.3	10.0	0.27	210	6.19	0.04	6.0	1.2	380
Q006251		4.19	16.30	0.14	0.5	0.180	3.24	24.6	18.1	0.21	2790	2.31	0.04	6.8	3.8	550
Q006252		0.52	0.32	0.22	<0.1	0.013	0.05	0.6	1.1	13.25	228	0.06	<0.01	0.1	1.4	170
Q006253		4.72	16.25	0.15	0.6	0.211	3.36	25.0	12.2	0.32	577	6.94	0.04	6.3	2.2	470
Q006254		4.43	16.35	0.17	0.6	0.182	3.08	28.1	14.2	0.26	398	2.13	0.05	6.7	3.4	610
Q006255		4.48	18.95	0.16	0.7	0.736	2.70	22.4	27.8	0.20	6170	1.42	0.08	7.8	8.7	690
Q006256		3.71	17.35	0.15	0.6	0.577	2.03	27.8	45.2	0.14	1400	1.73	0.08	7.0	4.6	580
Q006257		3.83	17.80	0.14	0.7	0.628	1.99	25.0	32.2	0.21	965	3.89	0.19	7.0	4.2	550
Q006258		4.28	18.65	0.12	0.7	0.564	2.11	25.0	30.8	0.15	2450	3.18	0.05	7.5	6.6	510
Q006259		5.67	16.85	0.15	1.4	0.750	2.42	23.7	43.0	0.18	1280	15.00	0.07	5.6	8.8	610
Q006260		5.11	15.30	0.14	1.1	0.295	3.12	29.3	25.4	0.78	1940	13.85	0.15	5.8	13.7	530
Q006261		7.44	15.30	0.15	1.1	0.941	2.54	29.4	22.4	0.23	171	82.2	0.03	4.4	1.5	430
Q006262		4.94	19.70	0.13	2.8	0.349	3.87	27.9	7.1	0.23	3610	2.58	0.04	6.0	15.6	830
Q006263		5.31	18.35	0.17	1.0	0.334	3.69	35.3	8.6	0.29	332	2.55	0.05	6.7	3.2	680
Q006264		4.22	17.05	0.18	0.6	0.287	2.76	29.8	25.5	0.55	1110	2.00	1.04	7.0	4.8	560
Q006265		5.10	15.65	0.16	0.5	0.224	2.77	24.2	14.1	0.44	1040	1.69	0.92	6.7	4.3	580
Q006266		5.24	18.20	0.16	0.7	0.283	3.49	36.1	11.2	0.32	240	2.96	0.37	7.6	1.6	340
Q006267		3.81	16.75	0.17	0.6	0.175	2.59	26.4	13.9	0.69	983	2.91	1.60	7.2	4.4	580
Q006268		3.44	16.35	0.19	0.6	0.139	2.40	29.2	15.2	0.85	1100	3.44	1.88	7.4	4.3	550
Q006269		3.71	16.50	0.20	0.8	0.190	2.71	29.6	20.5	0.61	1430	2.60	1.09	7.7	5.3	570
Q006270		3.91	15.95	0.19	0.7	0.285	2.90	26.2	22.8	0.59	1250	2.24	0.69	7.8	4.4	550
Q006271		5.22	15.50	0.15	1.0	0.710	2.73	26.6	20.2	0.29	679	3.11	0.28	7.2	4.5	620
Q006272		3.98	18.35	0.18	3.1	0.133	3.29	33.9	44.4	0.33	1240	4.53	0.16	9.4	9.1	930
Q006273		4.79	16.70	0.17	0.7	0.215	2.75	21.6	22.2	0.37	407	22.9	0.40	7.0	3.6	590
Q006274		4.90	17.95	0.20	2.1	0.171	3.00	38.0	28.6	0.26	1200	7.87	0.19	8.2	11.8	1020
Q006275		3.18	14.75	0.16	0.6	0.203	3.26	15.5	18.9	0.31	1880	2.66	0.28	6.5	4.2	420
Q006276		3.84	16.10	0.18	0.6	0.113	3.15	21.0	13.9	0.37	2270	2.05	0.85	7.2	4.8	580
Q006277		5.44	15.85	0.18	0.6	0.213	3.26	31.2	18.0	0.23	408	2.43	0.25	6.7	3.6	680
Q006278		3.96	16.45	0.15	0.6	0.413	3.50	27.7	7.8	0.31	183	2.47	0.05	6.8	1.1	560

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123348

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006243		39.5	104.0	<0.002	0.06	5.90	13.5	2	3.5	354	0.63	0.09	10.4	0.351	1.50	3.0
Q006244		52.0	101.5	0.003	0.20	5.65	13.5	1	8.0	289	0.52	0.17	8.7	0.329	1.69	2.6
Q006245		56.6	107.0	0.002	0.34	13.50	13.8	1	6.3	233	0.62	0.12	11.2	0.336	1.57	2.5
Q006246		31.2	109.0	0.003	0.09	22.4	10.2	1	4.5	67.1	0.71	0.08	9.2	0.297	1.76	2.8
Q006247		93.3	154.5	0.002	0.19	22.8	8.3	1	5.5	85.7	0.43	0.17	6.6	0.261	3.01	3.7
Q006248		101.0	154.0	0.002	0.20	34.3	9.3	1	6.2	50.8	0.40	0.11	8.2	0.277	3.32	4.7
Q006249		157.0	195.0	0.003	0.37	92.5	8.5	1	10.4	74.9	0.54	0.23	7.9	0.235	3.97	1.7
Q006250		1295	177.0	0.002	0.68	387	9.3	1	11.7	70.2	0.54	0.70	8.9	0.230	3.72	1.7
Q006251		95.8	155.0	0.003	0.18	23.6	9.7	1	3.1	45.9	0.64	0.07	12.0	0.247	3.63	2.9
Q006252		5.3	2.9	0.003	<0.01	1.37	0.3	<1	<0.2	44.3	<0.05	<0.05	<0.2	<0.005	0.04	0.6
Q006253		433	193.0	0.002	0.29	67.5	9.4	<1	7.7	79.8	0.58	0.47	10.5	0.233	3.26	2.6
Q006254		182.0	165.0	0.002	0.19	30.7	10.6	1	6.4	61.7	0.62	0.19	12.4	0.252	3.64	2.8
Q006255		94.2	140.5	0.002	0.07	26.0	13.6	2	7.4	45.3	0.72	0.22	13.9	0.287	2.62	4.1
Q006256		46.9	94.1	0.002	0.09	20.5	11.7	2	5.1	53.3	0.63	0.12	11.8	0.274	1.50	2.7
Q006257		74.3	106.5	0.003	0.09	31.8	11.2	1	4.8	68.0	0.61	0.18	12.0	0.267	1.55	2.7
Q006258		72.9	104.5	0.002	0.07	29.9	12.1	1	5.1	32.6	0.69	0.18	11.6	0.278	1.72	3.3
Q006259		253	116.5	0.002	0.13	69.6	10.2	1	6.7	85.0	0.45	0.16	9.7	0.247	2.19	8.2
Q006260		495	166.5	0.006	2.71	26.5	8.9	1	5.6	110.5	0.49	0.33	10.4	0.209	2.48	4.8
Q006261		5060	132.5	0.004	0.71	338	7.4	4	21.3	121.5	0.37	1.60	6.6	0.191	2.92	4.7
Q006262		188.0	183.0	0.002	0.14	60.8	9.5	1	6.9	56.7	0.43	0.11	8.5	0.291	3.86	5.6
Q006263		192.5	183.5	0.003	0.60	33.6	10.1	<1	12.4	99.4	0.58	0.82	11.4	0.261	3.35	3.5
Q006264		162.0	133.0	0.002	0.14	15.10	11.4	1	5.3	171.5	0.61	0.97	10.7	0.278	1.81	3.6
Q006265		82.8	124.5	0.002	0.17	15.25	11.4	1	5.7	159.5	0.59	0.60	10.2	0.274	2.21	6.4
Q006266		599	176.5	0.002	1.47	118.0	9.8	2	9.4	142.0	0.65	7.00	9.2	0.307	2.70	2.1
Q006267		40.7	115.0	0.003	0.19	5.30	11.3	1	2.6	258	0.61	0.65	10.8	0.288	1.75	2.9
Q006268		44.9	105.5	0.003	0.12	4.70	10.5	1	2.5	259	0.66	0.13	11.7	0.280	1.30	2.1
Q006269		75.3	115.0	0.002	0.09	8.66	10.9	1	3.2	196.5	0.67	0.10	11.8	0.284	1.58	2.3
Q006270		79.0	114.0	0.003	0.13	11.40	11.1	1	2.5	166.5	0.71	0.09	12.7	0.281	1.64	2.7
Q006271		215	140.5	0.003	0.43	54.4	10.5	<1	4.4	146.0	0.61	0.15	11.3	0.255	2.37	3.2
Q006272		65.8	158.5	0.003	0.29	17.70	8.4	1	2.6	190.0	0.75	0.19	10.2	0.288	2.80	3.8
Q006273		215	134.0	0.003	0.38	23.6	10.0	1	4.4	146.5	0.58	0.88	12.6	0.244	1.83	2.6
Q006274		462	150.0	0.003	0.45	24.3	9.0	1	4.5	392	0.64	0.32	11.1	0.304	2.06	4.0
Q006275		66.8	117.5	0.003	0.04	6.88	7.7	1	2.5	77.8	0.62	0.06	9.5	0.218	1.89	2.1
Q006276		65.5	133.0	0.002	0.10	8.36	10.2	1	2.7	166.5	0.59	0.06	10.3	0.275	2.27	3.2
Q006277		56.9	148.5	0.003	0.60	22.6	11.7	1	2.5	164.0	0.53	0.12	18.2	0.270	2.74	3.9
Q006278		156.5	204	0.002	0.84	71.5	9.8	1	6.2	125.0	0.66	0.45	13.9	0.236	3.09	1.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123348

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
Q006243		118	3.0	22.1	140	23.5
Q006244		117	3.9	18.5	156	17.2
Q006245		117	47.1	14.9	160	15.4
Q006246		96	4.2	10.9	475	24.7
Q006247		77	7.4	11.6	638	81.3
Q006248		81	10.2	13.0	655	80.5
Q006249		76	9.9	5.0	322	13.0
Q006250		80	12.8	5.7	346	11.3
Q006251		80	3.6	11.3	507	11.1
Q006252		3	0.1	0.8	20	<0.5
Q006253		83	7.1	8.1	576	11.6
Q006254		89	6.6	9.0	784	11.9
Q006255		110	3.1	25.7	1350	14.7
Q006256		93	2.5	18.3	980	11.9
Q006257		95	2.6	15.5	885	15.3
Q006258		104	2.4	19.1	1140	13.2
Q006259		87	3.8	17.0	1120	43.1
Q006260		67	5.2	11.3	922	28.4
Q006261		69	10.2	7.4	715	32.8
Q006262		85	6.1	13.6	1140	93.4
Q006263		82	13.0	9.7	469	26.1
Q006264		100	4.1	18.1	491	12.9
Q006265		92	2.8	19.5	515	10.2
Q006266		88	11.0	7.7	131	13.3
Q006267		94	1.9	18.9	263	12.0
Q006268		88	2.0	14.0	224	12.8
Q006269		88	3.1	15.0	347	16.8
Q006270		86	5.4	13.1	465	13.3
Q006271		77	9.5	9.5	410	27.3
Q006272		76	5.2	13.9	347	109.0
Q006273		80	7.4	8.6	457	17.5
Q006274		86	5.4	12.6	606	78.8
Q006275		71	2.2	9.5	744	11.0
Q006276		89	2.5	14.8	885	11.6
Q006277		91	3.2	8.6	555	10.9
Q006278		76	5.4	4.7	224	10.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 18- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123348

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- MS61

ALS Canada Ltd.
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2013
Account: ROCKHA

CERTIFICATE WH13123370

Project: KLAZA-41

P.O. No.: Batch 27

This report is for 28 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

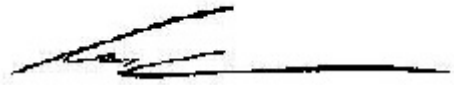
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123370

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006279		2.85	0.045	1.08	8.29	267	1050	1.89	3.10	0.17	7.70	45.5	8.0	10	17.05	284
Q006280		4.02	0.071	2.05	7.93	296	1080	1.93	7.20	0.25	14.80	52.3	9.9	10	16.20	230
Q006281		3.89	0.345	9.27	7.39	700	860	1.26	16.30	0.24	2.20	57.3	1.4	10	13.55	131.0
Q006282		3.31	0.060	0.43	8.07	360	1280	1.66	0.63	0.62	1.46	49.3	6.2	9	12.85	190.0
Q006283		4.59	0.217	0.67	7.78	471	1240	1.41	1.38	0.23	1.75	80.1	3.6	8	18.80	280
Q006284		4.49	0.035	0.51	8.53	201	780	1.92	0.75	0.32	4.18	55.7	10.1	8	10.95	276
Q006285		4.70	0.046	0.22	7.99	99.2	1590	1.30	0.46	0.38	2.97	55.4	9.9	8	10.75	124.5
Q006286		3.53	0.054	0.23	7.46	150.5	1120	1.39	0.59	1.20	2.14	59.1	8.8	10	10.85	26.0
Q006287		5.40	0.212	7.03	6.79	722	780	1.22	9.50	0.24	18.35	59.8	4.3	9	12.20	83.5
Q006288		3.58	0.207	0.45	7.96	537	800	1.93	0.78	0.21	6.10	55.6	10.7	10	17.45	47.2
Q006289		5.03	0.087	1.13	7.23	438	730	0.93	1.36	0.25	1.17	66.0	1.1	8	11.50	21.7
Q006290		4.93	0.456	4.50	7.17	307	600	1.10	9.87	0.16	1.10	57.0	1.3	9	14.65	52.0
Q006291		4.29	0.185	0.93	7.24	879	1510	1.58	1.73	0.22	1.02	52.6	4.5	10	28.5	132.0
Q006292		5.63	0.242	1.56	7.07	932	1220	1.10	2.28	0.23	0.54	57.2	3.7	9	15.60	139.5
Q006293		0.83	<0.005	0.02	0.06	<5	60	0.06	0.07	21.0	0.06	1.50	0.7	1	0.16	4.0
Q006294		3.47	2.85	37.7	4.17	2610	600	0.59	50.4	0.12	1.02	41.6	0.6	8	9.09	53.9
Q006295		5.54	0.218	1.56	7.67	516	1010	1.09	2.48	0.21	2.12	61.5	5.3	11	16.35	88.5
Q006296		2.66	0.579	>100	6.33	2280	770	0.87	285	0.15	2.89	46.6	0.8	12	12.15	590
Q006297		5.50	0.230	4.36	7.26	375	770	0.93	8.10	0.18	0.41	60.4	1.2	30	14.50	48.5
Q006298		7.47	0.255	0.44	7.50	912	2100	1.69	0.41	0.70	4.72	59.0	6.2	29	12.00	226
Q006299		0.26	1.745	39.9	5.79	2580	160	1.17	33.1	1.77	45.6	36.0	17.7	23	10.05	1180
Q006300		0.70	0.759	4.97	2.53	2060	340	0.51	7.77	0.04	5.01	18.70	1.3	16	4.13	445
Q006301		2.41	0.670	7.68	4.10	1085	720	0.66	7.55	0.04	3.37	32.7	0.6	13	5.67	134.0
Q006302		2.73	0.278	1.99	6.81	866	900	0.81	2.91	0.26	1.06	43.3	1.7	9	23.4	60.2
Q006303		8.38	0.027	0.19	8.70	125.0	1360	1.70	0.48	1.03	9.11	47.7	14.7	11	15.35	58.1
Q006304		8.08	0.750	0.71	8.56	2540	1280	1.73	1.64	0.29	6.99	49.9	14.5	11	21.8	139.5
Q006305		2.74	0.422	3.86	7.04	892	1090	0.96	8.79	0.11	0.73	52.9	0.7	11	13.55	107.5
Q006306		2.69	0.020	0.13	8.97	62.2	1130	1.55	0.31	0.23	2.82	34.8	10.4	11	11.20	267

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123370

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006279		4.45	15.85	0.10	0.6	0.276	3.09	25.1	60.3	0.18	1120	3.20	0.10	8.1	5.8	680
Q006280		4.87	16.20	0.11	0.6	0.565	3.21	28.9	19.5	0.23	2100	3.56	0.31	7.0	5.5	500
Q006281		4.34	17.75	0.10	0.5	0.288	3.38	32.7	9.4	0.32	174	3.76	0.05	6.9	1.8	380
Q006282		4.27	15.25	0.10	0.6	0.078	2.84	27.5	19.7	0.55	424	1.56	0.78	7.7	4.9	650
Q006283		4.35	15.45	0.13	0.6	0.135	3.02	41.0	28.0	0.35	296	1.84	0.18	7.7	4.1	710
Q006284		3.70	15.75	0.10	0.7	0.111	2.07	29.4	35.0	0.59	1300	1.41	0.46	9.0	7.1	510
Q006285		3.83	15.30	0.11	0.5	0.065	3.20	30.7	32.3	0.62	1600	1.49	0.39	7.2	5.2	510
Q006286		3.23	15.50	0.11	0.5	0.053	2.45	33.2	17.6	0.71	935	1.51	1.83	7.3	3.8	510
Q006287		4.18	17.95	0.11	0.5	4.72	2.99	34.2	12.4	0.25	1180	7.00	0.04	7.6	2.4	410
Q006288		4.77	17.15	0.12	0.5	0.112	3.45	31.0	18.4	0.25	2440	1.45	0.07	7.9	4.4	510
Q006289		4.68	16.90	0.13	0.6	0.197	3.14	37.8	9.7	0.26	224	1.82	0.05	7.5	1.2	400
Q006290		3.13	16.95	0.11	0.6	0.363	3.26	32.9	11.4	0.29	193	1.88	0.05	7.3	1.4	320
Q006291		4.00	15.00	0.09	0.6	0.341	2.87	28.6	18.0	0.22	253	5.55	0.06	7.2	3.3	680
Q006292		4.58	16.10	0.11	0.6	0.512	2.99	31.0	14.4	0.25	228	3.96	0.09	7.2	2.6	620
Q006293		0.50	0.19	0.08	<0.1	<0.005	0.02	0.7	1.0	12.60	231	0.10	<0.01	0.1	1.7	160
Q006294		3.24	11.90	0.10	0.4	0.827	2.14	23.0	18.7	0.18	165	21.1	0.05	4.5	1.1	720
Q006295		4.54	17.45	0.12	0.6	0.284	3.17	32.5	37.8	0.27	866	2.93	0.06	8.0	2.6	520
Q006296		6.16	15.90	0.11	0.8	1.485	3.38	27.6	11.4	0.27	153	95.2	0.07	7.0	1.4	1080
Q006297		5.01	18.75	0.13	3.1	1.055	3.77	33.5	11.3	0.33	112	2.83	0.05	9.5	1.9	560
Q006298		2.93	17.35	0.11	3.1	0.123	3.33	31.0	32.3	0.30	1900	3.38	0.04	9.9	8.6	950
Q006299		9.20	14.35	0.12	1.0	1.535	2.65	18.4	16.1	0.72	2420	16.60	0.06	4.7	14.3	470
Q006300		2.73	6.17	0.06	0.3	1.440	1.24	10.2	48.8	0.11	115	11.95	0.02	2.8	1.5	160
Q006301		2.62	9.97	0.08	0.5	0.781	2.22	18.8	38.5	0.19	97	21.8	0.03	4.8	1.0	140
Q006302		5.34	19.25	0.11	0.5	1.040	3.07	25.1	24.8	0.25	151	14.60	0.06	6.6	1.8	580
Q006303		3.80	18.05	0.10	0.5	0.070	2.63	26.0	28.5	0.30	2360	2.37	0.53	7.8	5.9	710
Q006304		4.59	17.60	0.13	0.4	0.211	3.40	26.3	28.7	0.27	1860	5.43	0.07	7.4	5.1	750
Q006305		4.04	17.85	0.09	0.5	2.03	3.06	29.7	20.0	0.21	76	20.2	0.08	7.0	1.0	630
Q006306		4.57	16.55	0.08	0.7	0.075	2.55	18.4	31.9	0.52	983	2.66	0.16	10.0	5.1	620

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13123370

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006279		80.0	155.0	<0.002	0.16	19.95	12.4	1	1.7	93.6	0.83	0.32	18.1	0.268	2.74	6.2
Q006280		81.4	187.0	<0.002	0.16	10.65	11.7	1	3.1	85.1	0.69	1.68	16.0	0.219	2.99	4.7
Q006281		600	217	<0.002	1.01	42.9	12.2	1	8.2	60.6	0.63	4.98	10.3	0.241	2.96	2.3
Q006282		78.2	123.5	<0.002	0.17	12.10	12.6	1	3.0	180.5	0.72	0.05	15.3	0.255	1.68	5.8
Q006283		99.1	153.0	<0.002	0.42	19.30	12.2	1	3.5	167.5	0.76	0.11	20.6	0.213	2.42	4.9
Q006284		55.6	101.5	<0.002	0.12	10.70	12.3	1	3.4	70.8	1.01	0.15	18.7	0.252	1.45	6.3
Q006285		38.6	123.5	<0.002	0.08	6.60	11.2	1	3.5	111.0	0.61	<0.05	15.7	0.263	1.55	2.9
Q006286		34.3	110.5	<0.002	0.10	4.21	10.8	<1	2.9	257	0.67	0.05	15.7	0.258	1.27	2.4
Q006287		1070	186.5	<0.002	0.47	28.2	11.2	1	14.9	50.2	0.71	0.09	13.9	0.250	3.57	3.2
Q006288		96.8	201	<0.002	0.11	9.92	12.2	1	5.1	37.8	0.76	<0.05	16.4	0.256	4.02	3.3
Q006289		278	175.5	<0.002	0.71	12.45	9.0	1	9.0	69.7	0.76	<0.05	14.9	0.246	3.75	2.2
Q006290		302	214	<0.002	0.47	40.3	10.7	1	9.0	98.4	0.67	0.27	14.0	0.231	3.73	2.3
Q006291		176.0	164.0	<0.002	0.32	30.0	16.5	1	4.6	139.0	0.71	0.19	20.4	0.231	3.46	6.7
Q006292		184.0	184.5	<0.002	0.79	32.3	13.1	<1	6.0	121.0	0.75	0.25	25.5	0.217	3.69	3.7
Q006293		2.6	1.6	<0.002	0.02	0.23	0.2	<1	<0.2	47.7	<0.05	<0.05	<0.2	<0.005	0.02	0.6
Q006294		3910	134.0	<0.002	0.98	493	9.1	3	15.1	177.5	0.45	3.54	7.6	0.161	2.74	4.2
Q006295		442	188.0	<0.002	0.76	39.9	10.5	1	5.5	94.0	0.73	0.17	15.5	0.244	3.76	2.8
Q006296		>10000	172.5	<0.002	1.79	901	7.8	2	20.7	74.7	0.58	2.61	10.6	0.233	3.29	8.1
Q006297		932	224	<0.002	1.56	59.4	8.0	1	6.1	144.0	0.69	0.54	13.3	0.313	4.42	3.2
Q006298		50.4	171.0	<0.002	0.18	27.0	7.6	1	1.5	114.0	0.70	0.14	10.4	0.295	3.64	5.2
Q006299		1745	147.0	0.002	8.36	109.5	8.2	1	10.6	65.2	0.39	0.68	8.8	0.171	2.15	5.4
Q006300		1310	73.9	<0.002	2.25	79.8	4.9	1	6.5	34.6	0.23	1.01	3.3	0.107	1.21	0.8
Q006301		706	127.0	<0.002	1.48	91.4	5.8	1	9.7	52.5	0.39	0.56	4.5	0.175	2.02	1.7
Q006302		450	175.5	<0.002	1.34	68.0	8.9	1	3.1	124.0	0.53	0.31	11.2	0.255	3.33	1.9
Q006303		30.4	125.0	<0.002	0.12	16.05	12.5	1	1.5	126.5	0.63	<0.05	11.5	0.318	1.82	3.3
Q006304		136.5	185.5	<0.002	0.31	52.0	11.0	1	2.2	81.7	0.58	0.76	11.4	0.302	3.47	4.7
Q006305		550	167.0	<0.002	1.17	95.9	8.5	<1	5.0	116.5	0.61	0.96	16.2	0.247	2.51	2.4
Q006306		24.3	106.5	<0.002	0.04	13.30	13.2	1	1.5	97.4	1.02	<0.05	15.7	0.324	1.32	5.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123370

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Ag- OG62	Pb- OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	1	0.001
Q006279		90	2.8	15.3	956	10.8		
Q006280		71	3.6	18.0	1030	10.5		
Q006281		83	7.3	7.2	214	10.0		
Q006282		80	4.7	12.3	348	10.5		
Q006283		80	6.0	14.1	316	11.2		
Q006284		82	3.3	19.6	478	13.0		
Q006285		79	3.4	15.8	342	9.3		
Q006286		80	2.0	16.9	171	10.1		
Q006287		75	20.3	11.7	1140	11.3		
Q006288		81	9.0	16.6	524	10.9		
Q006289		75	13.5	6.5	277	10.6		
Q006290		75	12.3	7.3	202	11.6		
Q006291		82	6.9	10.0	334	11.4		
Q006292		76	6.6	7.7	245	12.1		
Q006293		2	0.1	1.0	17	<0.5		
Q006294		76	8.3	8.0	77	9.2		
Q006295		88	5.7	10.5	509	13.1		
Q006296		72	11.4	4.8	136	23.0	117	1.310
Q006297		80	8.3	7.6	122	116.5		
Q006298		72	4.6	14.0	430	114.5		
Q006299		59	7.3	9.1	3470	28.0		
Q006300		27	4.3	4.2	442	6.4		
Q006301		44	7.7	4.1	283	13.0		
Q006302		100	6.1	4.9	267	10.8		
Q006303		102	2.9	17.9	607	10.2		
Q006304		109	5.0	16.8	513	9.5		
Q006305		81	4.2	5.7	115	9.8		
Q006306		107	10.0	15.9	591	12.3		

***** See Appendix Page for comments regarding this certificate *****

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13123370

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- OG62	Au- AA24	ME- MS61	ME- OG62
Pb- OG62			

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- JUL- 2013
This copy reported on
7- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13128432

Project: Re- assays from WH13118224

P.O. No.:

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15- JUL- 2013.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS

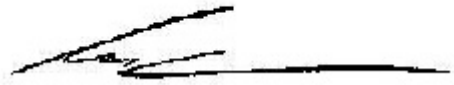
To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13118224**

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: Re-assays from WH13118224

CERTIFICATE OF ANALYSIS WH13128432

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05
M635567		0.64	7.05	50.1	1290	1.28	0.22	1.68	0.90	12.10	3.9	5	11.40	36.8	1.74	17.65
M635568		1.36	7.66	101.0	2120	1.59	0.70	0.45	3.55	22.2	17.8	5	11.50	167.0	2.70	17.15
M635569		8.17	7.63	104.0	1470	1.59	1.49	0.15	8.67	23.6	4.2	5	14.20	89.2	2.18	18.15
M635570		0.54	7.57	53.3	1100	1.58	0.19	1.60	1.01	14.30	7.6	5	12.80	78.5	2.17	19.85
M635571		0.75	6.90	75.1	1290	1.37	0.23	2.74	0.99	10.25	16.2	74	31.2	121.5	3.99	19.05
M635572		0.24	7.36	22.6	1140	1.69	0.10	2.37	0.32	27.3	7.9	28	44.1	19.7	3.07	20.5
M635573		0.25	8.55	27.8	1040	2.13	0.11	1.29	0.20	39.7	8.9	33	64.2	27.5	2.88	22.9
M635574		0.09	6.44	18.7	1700	1.73	0.13	3.36	0.21	41.1	6.2	14	22.7	4.4	2.43	19.25
M635575		0.40	6.74	49.2	1000	2.11	0.22	3.01	0.22	35.6	7.8	20	22.3	8.2	2.54	19.15
M635576		0.98	8.53	148.0	810	2.14	0.23	1.32	2.52	52.6	7.6	21	24.4	22.2	3.09	21.1
M635577		0.73	8.17	41.7	1210	1.57	0.20	0.94	1.32	24.5	11.3	61	17.70	62.1	3.16	18.55
M635578		0.53	7.46	34.7	940	1.21	0.17	1.75	0.29	21.5	19.5	58	16.55	63.8	3.82	16.75
M635579		0.44	8.31	76.3	1100	2.23	0.29	1.48	1.07	39.5	12.1	30	29.6	35.3	3.44	20.5
M635580		0.81	8.30	90.5	1410	1.38	0.21	2.47	1.17	22.5	18.6	34	24.9	64.7	4.88	19.60
M635581		0.58	8.62	53.3	950	1.11	0.39	2.55	2.08	19.65	21.3	19	17.60	96.2	5.03	20.4
M635582		29.1	8.53	2390	750	1.09	2.16	0.32	7.85	18.45	2.5	117	30.2	122.5	7.14	23.1
M635583		1.19	9.09	294	1680	1.11	0.22	1.81	10.05	17.30	22.5	34	15.20	79.4	6.32	18.90
M635584		2.75	8.71	245	890	1.54	0.36	0.66	11.65	15.85	19.9	10	21.5	131.5	4.89	19.70
M635585		0.77	8.00	173.0	1160	1.74	0.25	1.53	2.58	27.9	17.3	24	17.15	78.1	3.64	19.35
M635586		0.55	8.04	82.8	1030	1.43	0.31	1.66	0.59	17.65	11.3	19	13.55	39.4	3.48	19.75
M635587		4.27	6.56	722	510	1.49	3.25	2.05	10.95	47.0	13.0	26	13.35	320	5.03	15.75
M635588		1.16	8.23	169.0	4810	1.80	0.60	0.32	2.44	46.6	9.3	24	18.15	25.4	3.67	18.70
M635589		1.41	9.03	228	2120	1.84	1.42	0.22	5.52	66.3	10.8	45	16.15	50.8	4.34	21.5
M635590		0.61	7.31	203	2740	2.10	0.23	2.10	2.73	45.5	8.6	30	10.95	49.8	3.07	19.30
M635591		0.87	8.90	118.5	1200	1.86	0.59	0.91	2.70	33.4	10.1	27	12.35	87.9	3.96	21.8
M635592		<0.01	0.07	<5	40	<0.05	0.02	21.0	0.08	1.30	2.0	<1	0.16	1.2	0.46	0.40
M635593		0.85	6.89	60.4	1760	1.28	0.47	2.55	1.42	17.85	7.9	12	8.70	50.7	3.36	19.15
M635594		0.57	8.31	69.9	2040	1.44	0.44	1.15	2.08	29.6	4.3	20	8.44	40.9	3.41	17.80
M635595		0.65	8.65	108.5	2110	1.57	0.41	1.20	1.80	42.7	8.3	8	12.45	47.8	3.87	19.75
M635596		0.52	8.28	152.0	1130	1.61	0.30	0.92	1.65	38.3	7.2	7	15.00	40.0	3.08	19.40
M635597		0.47	8.00	84.1	2670	1.36	0.38	2.44	0.69	32.4	7.9	9	10.30	49.5	3.31	19.00
M635598		0.61	7.95	118.0	1480	1.48	0.29	2.41	0.40	26.1	7.3	6	12.95	60.3	2.71	20.0
M635599		2.32	7.05	194.5	1320	1.37	2.72	2.72	1.09	31.4	8.3	20	12.40	77.7	3.11	18.35
M635600		0.84	8.22	121.0	1980	1.65	1.06	2.12	0.88	37.0	8.4	9	11.05	66.7	3.17	20.7
M635601		0.42	8.53	151.5	4660	1.43	0.35	0.66	0.89	18.20	3.4	6	11.85	20.8	2.01	18.25
M635602		0.57	8.49	95.7	1780	1.52	0.44	1.04	1.82	30.5	6.1	7	9.42	66.8	2.20	20.8

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13118224**

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: Re-assays from WH13118224

CERTIFICATE OF ANALYSIS WH13128432

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb
	Units	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5	0.1
M635567		0.08	0.2	0.025	2.12	5.2	35.6	0.13	648	3.93	0.91	5.1	1.2	450	56.4	78.4
M635568		0.11	0.2	0.050	2.49	10.7	41.3	0.16	837	77.8	0.05	5.1	4.2	480	62.4	115.0
M635569		0.13	0.2	1.055	3.03	11.2	68.9	0.22	531	89.6	0.06	4.3	1.9	520	1805	140.0
M635570		0.10	0.3	0.035	2.67	6.1	46.7	0.17	606	8.47	0.83	5.9	3.4	540	22.3	112.0
M635571		0.13	0.5	0.090	2.28	4.0	117.0	0.18	1120	21.6	0.19	3.9	24.4	820	65.8	78.3
M635572		0.16	3.7	0.052	2.60	11.8	48.1	0.17	741	4.63	0.07	10.3	8.4	1360	29.2	89.4
M635573		0.14	4.1	0.074	3.27	16.9	30.8	0.24	949	1.97	0.07	11.9	10.7	1590	19.7	129.0
M635574		0.14	3.9	0.033	2.55	18.8	48.6	0.19	559	1.62	0.44	11.9	5.5	1070	15.6	73.0
M635575		0.16	2.8	0.034	2.85	16.1	23.8	0.24	638	3.38	0.89	10.6	7.5	820	28.7	102.0
M635576		0.18	2.9	0.045	3.34	23.8	38.7	0.27	1480	6.18	0.29	11.0	8.6	860	320	137.5
M635577		0.13	0.4	0.188	2.07	12.1	27.5	0.45	906	10.85	1.93	5.1	35.7	510	53.3	107.5
M635578		0.15	0.2	0.073	2.23	9.8	21.7	0.92	914	3.89	1.41	3.3	47.1	540	12.6	134.5
M635579		0.18	2.0	0.049	3.09	18.1	30.6	0.29	1720	12.95	1.09	9.1	12.3	830	32.9	142.0
M635580		0.18	0.8	0.082	2.39	10.1	71.3	0.59	2280	16.85	1.44	5.3	14.2	620	60.3	109.0
M635581		0.21	0.5	0.119	1.29	9.1	17.8	1.31	1170	17.55	2.46	3.9	17.8	720	52.4	72.8
M635582		0.28	0.4	8.59	3.51	9.2	12.4	0.37	328	24.8	0.26	2.8	16.0	730	5570	210
M635583		0.22	0.4	0.359	1.71	7.6	18.1	0.87	2850	5.93	2.04	2.7	24.1	790	331	93.3
M635584		0.19	0.3	0.438	2.58	6.7	36.9	0.27	2450	13.50	0.86	3.7	9.6	590	618	142.0
M635585		0.21	1.5	0.090	2.22	12.4	104.5	0.23	1400	28.0	0.93	7.3	12.3	730	93.8	98.2
M635586		0.17	0.4	0.068	1.80	7.3	90.1	0.16	959	7.33	1.15	5.8	7.3	740	39.2	75.6
M635587		0.20	1.2	0.323	3.00	24.9	27.5	0.76	1960	13.75	0.15	6.7	14.1	530	499	151.5
M635588		0.19	1.7	0.087	3.40	22.4	17.9	0.33	2690	5.62	0.21	8.2	9.8	870	67.3	160.0
M635589		0.22	2.3	0.267	3.01	33.0	30.2	0.25	1260	16.20	0.28	12.4	11.7	1190	106.0	144.0
M635590		0.16	3.7	0.062	2.58	20.1	53.2	0.26	909	6.42	0.25	11.7	9.8	1180	114.5	75.1
M635591		0.17	0.6	0.093	2.27	15.2	131.0	0.19	996	25.6	0.28	6.8	7.4	1030	37.0	86.8
M635592		0.05	<0.1	0.006	0.02	0.6	1.3	13.00	218	0.09	<0.01	0.3	1.4	180	1.5	1.0
M635593		0.11	0.3	0.080	2.10	7.7	159.5	0.21	1010	13.85	1.18	5.5	2.8	1060	45.0	61.6
M635594		0.16	0.2	0.102	2.38	15.3	66.6	0.19	969	10.95	1.76	4.2	4.1	700	70.2	98.6
M635595		0.16	0.3	0.101	2.15	20.7	34.2	0.26	1220	9.24	1.62	5.9	3.9	970	63.2	89.6
M635596		0.08	0.2	0.061	2.11	19.9	33.0	0.24	1290	3.96	1.19	5.5	3.8	720	51.4	100.5
M635597		0.11	0.3	0.077	1.91	15.8	10.6	0.38	1140	8.61	2.83	5.4	3.1	810	43.7	85.2
M635598		0.11	0.2	0.055	2.40	12.4	12.4	0.21	1440	19.15	2.46	5.8	2.7	750	37.7	101.5
M635599		0.11	1.6	0.088	2.58	15.1	22.6	0.21	1100	31.6	1.40	7.1	7.3	650	67.0	104.5
M635600		0.12	0.4	0.067	1.95	17.4	60.6	0.24	944	14.70	2.65	7.2	3.9	870	34.2	91.1
M635601		0.07	0.2	0.092	3.01	9.0	14.7	0.30	1710	19.25	1.87	5.6	2.5	490	58.3	128.0
M635602		0.10	0.3	0.073	2.56	14.1	27.5	0.22	1360	5.10	2.53	7.5	2.9	730	45.3	110.0

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13118224**

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: Re-assays from WH13118224

CERTIFICATE OF ANALYSIS WH13128432

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
M635567		<0.002	0.10	13.05	4.1	<1	1.3	116.0	0.27	<0.05	2.0	0.141	1.73	0.5	36	1.5
M635568		<0.002	0.10	61.8	4.6	1	2.0	54.7	0.32	0.11	3.4	0.128	1.97	1.0	40	2.3
M635569		0.002	0.14	25.2	6.2	1	8.0	105.0	0.20	0.15	3.1	0.132	2.72	0.9	40	2.4
M635570		<0.002	0.08	22.3	5.7	1	1.9	191.0	0.28	0.05	2.3	0.154	2.36	0.7	43	1.6
M635571		<0.002	0.12	35.1	15.9	1	3.7	119.0	0.21	0.08	1.5	0.329	1.93	1.0	145	3.9
M635572		<0.002	0.03	14.10	6.4	1	1.4	239	0.64	<0.05	4.4	0.381	2.16	1.6	84	1.6
M635573		<0.002	0.01	7.32	9.7	1	2.0	314	0.77	<0.05	6.5	0.443	2.49	2.4	100	0.9
M635574		<0.002	0.03	3.76	4.2	1	1.4	412	0.84	<0.05	7.4	0.333	1.61	2.7	60	0.9
M635575		<0.002	0.04	7.16	6.7	1	1.6	231	0.82	<0.05	7.2	0.277	2.13	4.0	66	1.5
M635576		<0.002	0.01	21.9	8.8	1	1.7	143.0	0.90	<0.05	10.8	0.285	2.55	4.8	69	1.9
M635577		<0.002	0.04	14.25	11.1	1	3.5	330	0.29	0.06	3.7	0.207	1.86	1.3	77	1.9
M635578		<0.002	0.26	4.53	15.9	1	2.7	345	0.16	0.09	2.2	0.306	2.06	0.8	95	1.6
M635579		<0.002	0.01	7.80	13.9	1	2.0	259	0.69	<0.05	7.8	0.327	2.73	4.1	107	1.8
M635580		<0.002	0.11	6.29	20.0	1	2.6	362	0.36	0.06	3.7	0.354	2.30	1.7	144	2.3
M635581		<0.002	0.12	2.70	19.6	2	5.0	532	0.23	0.20	1.9	0.342	1.25	1.0	153	3.3
M635582		<0.002	0.92	35.6	20.6	2	16.0	193.5	0.16	0.36	1.2	0.357	3.68	0.9	155	6.2
M635583		<0.002	0.21	8.93	22.7	2	2.8	501	0.18	0.07	1.4	0.387	1.62	0.9	152	2.5
M635584		<0.002	0.10	28.6	18.1	2	3.9	192.0	0.19	0.13	2.1	0.303	2.46	1.3	115	2.9
M635585		<0.002	0.06	23.6	12.2	1	2.4	231	0.50	0.07	4.9	0.298	1.76	2.2	99	3.3
M635586		<0.002	0.18	16.60	13.5	1	2.3	195.0	0.29	0.10	2.7	0.299	1.56	1.0	85	3.3
M635587		0.004	2.66	31.1	10.0	1	5.8	108.5	0.53	0.34	10.9	0.212	2.61	5.2	68	5.8
M635588		<0.002	0.20	16.85	8.5	1	2.8	158.5	0.53	0.13	7.7	0.243	3.34	3.6	62	3.9
M635589		<0.002	0.40	13.25	8.9	1	4.0	476	0.66	0.39	8.3	0.383	2.69	3.2	77	3.4
M635590		<0.002	0.17	17.85	7.8	1	1.4	300	0.82	<0.05	7.9	0.350	1.69	3.9	77	2.2
M635591		<0.002	0.11	20.9	12.3	1	3.7	112.5	0.35	0.10	5.1	0.282	1.53	2.0	92	6.8
M635592		<0.002	<0.01	0.05	0.3	1	<0.2	46.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.7	3	0.1
M635593		<0.002	0.35	19.40	7.1	1	2.3	182.0	0.27	0.15	2.7	0.233	1.46	1.1	67	1.8
M635594		<0.002	0.35	6.91	7.7	<1	3.3	171.0	0.22	0.13	4.3	0.177	1.65	1.1	60	1.9
M635595		<0.002	0.20	12.10	9.2	1	2.5	252	0.33	0.10	5.6	0.232	1.52	1.3	81	2.6
M635596		<0.002	0.04	15.75	9.9	<1	1.8	156.5	0.25	<0.05	5.8	0.195	1.49	1.1	56	2.6
M635597		<0.002	0.46	3.19	8.7	<1	3.2	490	0.29	0.08	4.9	0.230	1.39	0.9	70	2.0
M635598		0.002	0.22	9.21	8.2	<1	2.5	346	0.31	0.06	4.9	0.202	1.80	1.0	64	3.1
M635599		<0.002	0.38	8.76	8.0	<1	2.6	298	0.53	0.27	7.4	0.236	1.92	1.8	69	6.6
M635600		<0.002	0.38	4.02	9.8	1	2.5	515	0.44	0.15	5.6	0.243	1.45	1.1	68	3.1
M635601		<0.002	0.20	4.97	3.7	<1	2.8	285	0.27	0.07	2.5	0.136	1.89	0.8	35	2.3
M635602		<0.002	0.26	4.64	8.1	<1	2.5	365	0.46	0.09	4.6	0.193	1.67	1.2	56	2.5

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13118224**

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Finalized Date: 19-JUL-2013
Account: ROCKHA

Project: Re-assays from WH13118224

CERTIFICATE OF ANALYSIS WH13128432

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
M635567		5.9	125	4.7
M635568		8.9	539	4.6
M635569		7.4	672	4.8
M635570		7.8	111	6.3
M635571		8.8	116	13.8
M635572		6.8	104	155.0
M635573		9.6	122	174.5
M635574		6.4	89	169.5
M635575		9.7	78	100.0
M635576		13.1	416	95.3
M635577		12.1	225	12.5
M635578		15.6	111	3.9
M635579		13.4	203	65.7
M635580		13.9	182	24.0
M635581		16.5	342	13.3
M635582		6.0	1240	7.9
M635583		18.0	1510	7.4
M635584		15.1	882	6.6
M635585		13.1	293	52.4
M635586		11.5	120	12.6
M635587		11.7	907	32.5
M635588		12.4	316	63.1
M635589		14.5	559	99.4
M635590		12.1	321	152.0
M635591		13.4	268	17.7
M635592		0.7	20	<0.5
M635593		9.8	194	6.9
M635594		9.6	285	5.8
M635595		14.2	241	7.6
M635596		15.4	225	7.6
M635597		12.7	102	8.0
M635598		12.3	93	6.2
M635599		10.6	154	57.1
M635600		16.1	139	11.0
M635601		7.3	187	6.7
M635602		12.2	219	7.6

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- JUL- 2013
Account: ROCKHA

Project: Re- assays from WH13118224

CERTIFICATE OF ANALYSIS WH13128432

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
FND- 02 ME- MS61

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- JUL- 2013
This copy reported on
13- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13130862

Project: KLAZA- 41

P.O. No.:

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 19- JUL- 2013.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13123344**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13130862

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05
Q006098		0.18	8.08	100.5	1200	2.32	0.63	0.22	3.13	62.0	42.8	26	24.2	168.0	3.27	21.9
Q006099		0.27	8.52	103.5	1380	2.55	0.60	0.20	1.80	62.1	24.0	28	18.50	444	3.30	20.1
Q006101		0.71	8.52	74.1	1900	2.75	1.05	0.17	0.81	54.0	6.4	15	19.65	466	4.21	17.65
Q006102		0.68	7.58	48.8	1520	1.34	1.36	0.28	0.65	66.3	1.9	11	35.2	164.0	3.92	16.45
Q006103		0.33	7.37	28.9	3010	1.28	0.89	0.31	0.33	53.4	2.3	11	9.20	182.5	4.14	13.95
Q006104		0.56	7.88	17.2	2980	1.48	1.58	0.51	0.45	81.8	7.8	13	17.75	344	5.08	18.05
Q006105		0.55	7.75	23.4	2130	1.40	1.18	0.60	0.37	67.2	3.6	12	15.05	232	4.88	18.30
Q006106		0.46	8.10	29.6	2960	2.25	0.96	0.57	0.81	66.0	5.4	13	15.40	431	4.58	18.10
Q006107		0.15	8.14	61.4	860	2.51	0.26	0.14	1.03	51.2	23.6	10	16.00	324	2.42	18.15
Q006108		0.33	8.95	27.8	2310	1.75	0.82	0.22	0.40	65.2	9.4	13	23.7	217	3.64	18.75
Q006109		0.43	9.22	32.6	1930	1.67	1.20	0.25	0.47	55.3	2.7	13	12.70	232	3.62	19.00
Q006110		0.45	8.11	12.5	5160	1.53	0.67	0.92	0.27	55.7	7.0	12	9.40	214	4.37	16.75
Q006111		0.94	8.23	76.4	1640	1.38	1.52	0.26	0.41	71.5	5.9	16	22.8	119.0	3.97	15.95
Q006112		0.32	8.15	47.6	2010	1.38	0.68	0.18	0.24	34.2	6.0	13	14.85	206	3.04	14.05
Q006113		0.41	8.05	42.1	5080	1.39	0.72	0.33	0.28	57.4	3.8	11	12.70	264	3.56	14.05
Q006114		1.59	6.92	59.4	1570	1.01	1.36	0.15	0.26	104.0	0.8	11	16.50	112.0	3.79	13.05
Q006115		1.36	7.87	74.8	1390	1.28	1.73	0.17	0.39	79.8	1.3	11	17.10	120.0	4.07	13.45
Q006116		0.02	0.24	<5	40	0.07	0.03	20.1	0.06	2.54	1.7	2	0.86	2.6	0.49	0.61
Q006117		0.45	7.80	34.5	3590	1.53	0.88	0.28	0.26	64.0	5.7	12	15.30	189.5	4.73	12.85
Q006118		0.45	8.48	38.0	2980	1.29	0.90	0.27	0.34	71.6	6.6	12	17.15	141.5	3.53	16.45
Q006119		0.58	7.99	59.2	1790	1.04	1.42	0.13	0.30	82.0	5.6	11	19.50	84.9	5.47	14.50
Q006120		0.39	8.47	29.9	2890	2.01	1.24	0.36	0.53	69.1	11.2	13	15.85	187.5	5.00	15.75
Q006121		0.31	8.61	319	830	1.99	0.53	0.13	0.36	61.0	9.8	14	16.95	127.0	2.88	18.45
Q006122		0.59	8.22	54.3	1510	1.25	1.33	0.27	0.23	64.9	8.7	12	22.2	180.0	5.72	17.35
Q006123		0.42	8.07	13.2	2660	1.35	1.59	0.52	0.20	42.1	6.0	12	14.45	237	5.51	17.45
Q006124		0.37	8.02	10.5	3030	1.47	0.92	0.73	0.16	45.8	3.7	13	11.20	146.5	4.53	17.55
Q006125		0.87	7.98	70.5	1660	1.17	1.09	0.30	0.60	98.6	2.2	12	21.4	181.0	5.01	17.35
Q006126		0.86	7.92	69.3	800	1.14	3.81	0.14	0.40	59.3	1.8	12	15.30	72.5	5.19	16.70
Q006127		2.03	7.36	45.0	840	1.02	2.66	0.18	0.30	65.4	0.7	11	15.30	25.0	4.93	17.10
Q006128		0.53	8.10	64.7	910	1.27	0.97	0.17	0.25	59.5	3.0	13	23.9	135.5	6.31	16.50
Q006129		0.37	6.99	19.8	4500	1.59	0.67	0.49	0.25	43.8	7.5	13	18.00	157.5	4.67	16.80
Q006130		40.2	5.68	2320	130	1.19	34.4	1.68	46.9	36.2	17.2	23	11.05	1195	9.03	14.35
Q006131		0.48	8.45	120.0	1570	1.57	1.18	0.17	0.21	55.4	4.3	12	20.6	79.0	3.89	18.60
Q006132		0.25	7.73	293	1170	1.39	0.53	0.06	0.09	48.2	2.4	12	13.95	55.8	5.24	17.45
Q006133		0.56	7.23	298	770	1.05	1.47	0.13	0.10	60.3	3.4	12	24.1	36.9	5.32	16.05
Q006134		0.50	7.09	49.7	2540	1.04	1.45	0.08	0.12	33.3	2.6	16	18.75	55.0	4.92	15.10

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13123344**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13130862

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb
	Units	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5	0.1
Q006098		0.13	3.6	0.035	3.20	29.5	25.3	0.29	1610	2.75	0.13	11.2	14.7	880	22.7	167.5
Q006099		0.13	3.5	0.047	3.06	30.9	25.9	0.29	475	2.18	0.18	11.1	18.7	970	78.3	158.5
Q006101		0.15	1.4	0.097	3.54	26.5	15.8	0.44	108	10.80	0.16	5.8	7.3	1570	59.1	197.0
Q006102		0.16	0.6	0.132	4.02	32.0	15.3	0.76	80	10.45	0.37	4.9	2.2	1200	67.5	177.0
Q006103		0.15	0.6	0.067	4.54	26.2	17.2	0.85	82	24.1	1.04	3.9	3.4	940	31.8	142.5
Q006104		0.21	0.7	0.133	2.95	40.3	22.3	1.15	233	5.69	1.04	6.6	5.3	1130	34.0	135.0
Q006105		0.18	0.7	0.120	3.41	34.2	16.8	0.99	121	3.89	1.08	5.7	2.9	1030	44.4	160.5
Q006106		0.18	1.4	0.104	2.83	33.4	21.0	0.92	134	3.17	1.15	5.8	6.0	1120	21.7	124.0
Q006107		0.11	2.9	0.027	2.78	24.9	27.4	0.23	447	1.46	0.07	8.2	10.5	570	21.8	136.0
Q006108		0.15	1.2	0.083	3.08	32.5	19.5	0.45	138	2.53	0.56	7.3	6.3	970	28.5	159.0
Q006109		0.13	0.8	0.121	3.13	27.3	23.7	0.47	73	3.62	0.51	7.2	4.3	1570	27.3	139.5
Q006110		0.15	0.7	0.096	3.30	30.8	18.2	1.03	152	5.12	1.35	6.2	6.0	1320	22.3	130.5
Q006111		0.17	0.7	0.170	4.03	37.6	9.8	0.57	261	10.55	0.26	5.6	2.9	900	150.5	209
Q006112		0.12	0.6	0.101	3.61	17.9	20.3	0.51	167	38.9	0.29	4.3	4.8	940	63.7	167.0
Q006113		0.18	0.6	0.086	3.69	27.8	17.1	0.87	92	41.2	0.57	3.5	5.1	1060	45.3	162.0
Q006114		0.20	0.5	0.186	3.55	54.1	7.3	0.46	71	53.9	0.09	3.2	1.2	720	124.5	177.0
Q006115		0.19	0.6	0.169	4.08	39.7	9.3	0.51	100	11.95	0.08	3.7	1.2	1170	211	200
Q006116		<0.05	0.1	0.007	0.06	1.2	1.3	11.50	205	0.44	0.05	0.7	2.7	260	2.3	3.1
Q006117		0.18	0.6	0.059	3.69	32.4	11.9	0.61	133	5.17	0.93	3.1	4.2	1090	40.6	167.0
Q006118		0.18	0.7	0.067	3.96	35.8	16.2	0.49	204	3.10	0.27	5.5	3.2	850	34.6	190.0
Q006119		0.20	0.6	0.082	4.91	42.2	10.0	0.45	181	7.35	0.23	4.4	2.0	850	54.9	193.5
Q006120		0.20	1.1	0.084	3.32	34.2	19.3	0.78	294	6.56	0.94	5.6	5.2	1130	45.1	157.5
Q006121		0.13	3.9	0.047	3.64	31.6	14.0	0.32	266	2.01	0.09	10.8	7.5	920	29.8	176.5
Q006122		0.20	0.7	0.165	3.10	33.3	22.0	1.01	309	4.10	0.55	6.2	5.5	1330	37.5	149.0
Q006123		0.17	0.7	0.129	3.23	21.5	24.8	1.37	227	4.65	1.00	7.3	3.9	1160	21.5	126.5
Q006124		0.15	0.7	0.103	3.16	24.2	23.3	1.43	113	4.29	1.44	7.6	3.6	1170	35.7	123.0
Q006125		0.22	0.7	0.132	3.55	50.5	17.8	1.00	87	4.58	0.71	7.0	2.7	1160	50.3	155.5
Q006126		0.18	0.6	0.140	4.10	29.6	4.8	0.46	109	6.70	0.07	5.6	1.5	920	217	190.0
Q006127		0.17	0.7	0.137	3.86	34.0	4.7	0.44	100	3.13	0.05	6.5	0.8	670	357	193.5
Q006128		0.21	0.6	0.098	3.81	30.3	4.9	0.41	155	2.67	0.06	5.3	2.7	1140	151.0	190.0
Q006129		0.20	0.7	0.099	2.75	22.3	18.1	0.67	235	9.75	1.01	7.1	5.1	1170	55.7	118.0
Q006130		0.24	1.0	1.765	2.78	18.0	17.4	0.68	2430	17.85	0.06	5.6	15.7	460	1700	142.0
Q006131		0.15	1.9	0.107	3.45	28.7	11.4	0.43	197	2.66	0.34	8.4	3.8	930	80.7	193.0
Q006132		0.16	3.4	0.039	3.43	25.9	10.8	0.27	109	2.78	0.06	8.6	2.6	930	21.4	203
Q006133		0.19	2.1	0.086	3.43	32.2	14.0	0.39	165	4.93	0.07	5.6	2.8	970	67.4	215
Q006134		0.15	0.6	0.081	2.84	17.7	15.9	0.31	81	3.79	0.06	3.6	2.1	900	45.7	137.5

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13123344**

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Finalized Date: 23-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13130862

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Q006098		0.002	0.11	17.90	8.9	1	1.5	58.4	0.94	0.29	12.3	0.250	2.99	11.3	68	3.1
Q006099		<0.002	0.25	12.10	9.0	1	1.5	49.0	0.90	0.33	12.3	0.252	2.80	13.4	68	2.7
Q006101		<0.002	0.56	24.1	14.6	4	6.9	104.0	0.46	0.18	13.9	0.249	3.41	10.0	120	6.9
Q006102		0.002	1.15	16.00	16.7	4	14.0	252	0.37	0.21	15.4	0.242	2.56	7.1	128	10.7
Q006103		<0.002	1.12	3.40	15.2	3	7.5	320	0.31	0.11	13.0	0.210	2.45	2.8	118	9.0
Q006104		<0.002	0.91	4.14	18.0	4	10.2	365	0.51	0.16	13.7	0.305	2.17	3.6	137	5.1
Q006105		<0.002	0.90	6.09	16.9	4	10.1	337	0.43	0.13	13.5	0.285	2.60	2.7	135	7.7
Q006106		<0.002	0.60	4.02	14.8	3	5.2	320	0.48	0.30	13.5	0.268	2.15	7.8	120	3.7
Q006107		<0.002	0.07	8.87	5.8	1	1.3	22.5	0.81	0.25	13.6	0.179	2.11	11.5	39	1.4
Q006108		<0.002	0.54	8.42	14.5	3	5.1	185.5	0.60	0.19	13.8	0.317	2.72	7.1	128	6.2
Q006109		<0.002	0.49	36.7	16.6	3	6.5	215	0.56	0.18	15.4	0.341	2.44	6.9	149	7.5
Q006110		0.002	0.59	6.49	16.0	3	3.8	453	0.49	0.14	14.0	0.311	2.25	4.2	141	4.4
Q006111		<0.002	0.85	36.6	17.2	5	9.3	144.5	0.44	0.31	13.5	0.275	3.99	4.1	143	11.5
Q006112		<0.002	0.64	17.75	15.1	3	3.7	183.5	0.33	0.13	14.9	0.211	2.88	5.5	132	8.3
Q006113		0.003	0.98	18.35	17.4	3	4.0	402	0.29	0.10	15.4	0.198	2.84	4.1	143	7.8
Q006114		<0.002	1.25	85.3	14.5	3	5.5	113.5	0.26	0.32	13.1	0.182	3.36	2.3	139	8.9
Q006115		<0.002	1.30	22.0	16.7	4	7.7	161.5	0.30	0.26	17.8	0.192	3.78	2.8	137	11.6
Q006116		<0.002	<0.01	0.35	0.9	<1	<0.2	52.7	<0.05	<0.05	0.2	0.019	0.03	0.9	6	0.1
Q006117		0.002	0.91	6.01	15.4	3	3.7	281	0.25	0.14	14.0	0.179	2.88	3.2	128	6.9
Q006118		<0.002	0.69	23.9	16.5	3	4.5	148.0	0.41	0.11	13.9	0.262	3.27	2.9	137	9.4
Q006119		<0.002	1.50	20.7	15.3	4	8.4	126.5	0.33	0.19	15.3	0.225	3.23	2.1	133	11.7
Q006120		0.002	0.50	7.41	16.3	3	5.3	264	0.45	0.22	15.2	0.243	2.69	4.4	132	8.4
Q006121		<0.002	0.18	7.13	8.1	1	1.7	37.1	0.87	0.17	14.2	0.269	3.82	7.1	64	2.5
Q006122		<0.002	0.56	5.53	16.9	2	8.6	193.5	0.48	0.18	17.3	0.304	2.51	3.5	140	6.5
Q006123		0.002	0.28	3.61	17.0	3	6.1	234	0.54	0.30	14.1	0.333	2.37	3.1	144	7.4
Q006124		0.002	0.49	4.13	16.5	3	6.9	349	0.56	0.15	11.5	0.341	2.13	3.1	141	8.9
Q006125		<0.002	0.94	30.8	17.8	4	8.2	308	0.53	0.30	15.8	0.320	2.64	3.3	138	6.1
Q006126		<0.002	1.31	11.15	16.7	7	23.0	82.0	0.43	1.60	13.1	0.288	3.41	1.8	141	16.3
Q006127		<0.002	1.69	20.5	15.8	6	17.3	118.5	0.48	1.28	13.5	0.304	3.92	1.4	125	14.3
Q006128		<0.002	1.17	8.86	16.5	6	6.2	70.8	0.38	0.52	13.7	0.284	3.78	2.6	147	9.0
Q006129		<0.002	0.41	5.52	17.5	3	6.2	327	0.52	0.17	12.7	0.319	2.35	3.2	141	5.3
Q006130		0.003	7.86	108.5	9.2	1	12.2	63.2	0.48	0.84	9.1	0.173	2.29	5.8	58	9.5
Q006131		<0.002	0.22	9.14	12.4	2	5.2	110.5	0.69	0.26	14.3	0.286	3.41	3.8	104	6.9
Q006132		<0.002	0.13	10.15	5.5	1	1.3	34.1	0.80	0.29	13.6	0.212	3.79	4.4	51	3.8
Q006133		<0.002	0.97	20.2	10.6	1	5.4	139.5	0.48	0.40	13.3	0.230	3.99	3.1	102	7.9
Q006134		<0.002	0.43	16.65	15.2	2	3.6	72.5	0.29	0.31	6.9	0.216	3.01	1.6	148	5.7

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13123344**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13130862

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
Q006098		24.8	346	124.5
Q006099		20.5	326	121.5
Q006101		16.8	145	45.4
Q006102		19.3	50	15.2
Q006103		16.1	52	11.7
Q006104		22.3	140	14.8
Q006105		17.1	79	13.6
Q006106		23.3	121	47.9
Q006107		21.2	309	94.1
Q006108		14.0	147	34.8
Q006109		11.0	59	16.1
Q006110		14.4	121	13.3
Q006111		9.7	214	15.5
Q006112		9.3	146	14.3
Q006113		11.6	79	12.9
Q006114		8.9	27	12.1
Q006115		9.3	49	13.3
Q006116		1.5	15	2.6
Q006117		12.1	119	11.8
Q006118		12.5	141	14.5
Q006119		12.2	120	14.1
Q006120		16.8	155	34.8
Q006121		16.4	178	142.0
Q006122		12.2	132	16.9
Q006123		12.1	107	14.7
Q006124		10.7	70	13.2
Q006125		10.9	106	14.6
Q006126		7.9	101	12.9
Q006127		7.3	62	13.8
Q006128		8.0	144	13.7
Q006129		10.5	148	14.5
Q006130		9.8	3410	28.0
Q006131		11.0	153	60.6
Q006132		9.9	69	119.5
Q006133		7.9	93	75.5
Q006134		5.6	106	12.5

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13123344**

***** See Appendix Page for comments regarding this certificate *****

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2103 Dollarton Hwy
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13130862

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
FND- 02 ME- MS61

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-JUL-2013
This copy reported on 13-AUG-2013
Account: ROCKHA

CERTIFICATE WH13130863

Project: KLAZA-41

P.O. No.:

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13123347**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-JUL-2013
Account: ROCKHA

Project: KLAZA-41

CERTIFICATE OF ANALYSIS WH13130863

Sample Description	Method Analyte Units LOR	Au-AA24 Au ppm 0.005
Q006207		0.137
Q006208		0.389
Q006209		0.392
Q006210		0.053
Q006211		0.043
Q006212		0.042
Q006213		0.053
Q006214		<0.005
Q006215		0.038
Q006216		0.148
Q006217		0.080
Q006218		0.039
Q006219		0.246
Q006220		0.367
Q006221		0.094
Q006222		0.190
Q006223		0.135
Q006224		0.069
Q006225		0.049
Q006226		0.016
Q006227		0.132
Q006228		0.143
Q006229		0.241
Q006230		0.025
Q006231		0.020
Q006232		0.050
Q006233		0.867
Q006234		0.130
Q006235		0.068
Q006236		0.037
Q006237		0.054
Q006238		0.054
Q006239		0.038
Q006240		0.205
Q006241		0.199
Q006242		0.063

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13123347**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21- JUL- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13130863

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24 FND- 02

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13130965

Project: KLAZA

P.O. No.: Batch 28

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 19- JUL- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

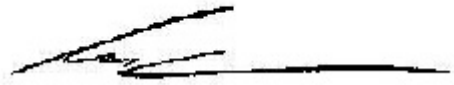
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 2- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13130965

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M635701		3.16	0.022	2.52	7.69	972	1650	1.73	1.42	0.35	20.3	60.7	18.6	8	26.1	1360
M635702		6.09	1.980	>100	2.07	9730	870	0.53	68.0	0.20	151.0	14.05	15.0	8	6.26	2330
M635703		3.90	5.04	>100	0.85	>10000	240	0.21	124.0	0.03	13.55	4.63	19.5	8	1.16	2680
M635704		2.44	0.011	1.24	0.06	66	20	0.06	0.54	19.35	1.04	1.20	0.7	1	0.17	17.8
M635705		3.86	0.023	2.38	7.00	104.0	1710	1.32	0.95	1.68	4.12	50.9	4.7	12	19.30	22.2
M635706		7.17	0.012	0.81	6.49	56.2	1950	1.33	0.41	1.57	4.70	47.1	4.2	14	18.95	15.2
M635707		6.91	0.049	2.31	6.39	103.0	930	1.67	1.06	2.40	3.41	45.4	5.9	15	29.8	33.3
M635708		6.86	0.009	0.82	6.47	40.2	1540	1.44	0.28	1.50	3.29	44.5	4.6	13	16.95	9.1
M635709		0.26	1.665	42.5	5.65	2370	1340	1.12	35.6	1.62	46.4	34.5	16.2	21	9.98	1150
M635710		4.82	0.073	5.49	7.07	159.5	2480	1.90	3.78	1.73	6.25	49.2	7.8	17	28.7	68.5
M635711		4.33	<0.005	0.26	7.16	23.3	1510	2.24	0.23	1.81	4.97	45.8	7.8	18	25.1	17.3
M635712		6.50	1.145	>100	3.90	2520	840	0.80	49.6	0.09	23.6	26.5	24.4	11	8.29	1240
M635713		2.36	3.36	>100	1.85	>10000	1380	0.35	242	0.06	186.5	13.25	42.5	9	3.31	1740
M635714		4.00	0.012	1.17	8.15	57.2	2650	1.59	1.09	0.27	2.25	57.1	18.1	12	9.96	69.1
M635715		<0.02	0.013	2.14	7.51	54.1	2560	1.57	1.62	0.25	2.36	50.6	18.2	10	9.37	68.1
M635716		1.91	0.042	1.49	5.81	41.2	1100	1.47	0.82	2.52	11.15	38.4	5.6	14	8.41	24.3
M635717		3.31	0.027	1.02	6.83	89.9	1600	1.98	0.51	1.35	7.20	42.2	7.7	16	17.05	536
M635718		7.02	1.365	43.5	5.64	1385	1520	1.04	188.0	0.23	7.60	48.2	2.3	10	18.55	487
M635719		2.57	0.009	1.64	8.21	77.7	1790	2.06	1.45	0.22	15.05	55.9	19.8	10	15.80	608
M635720		3.93	0.286	22.2	4.96	1170	1000	0.78	26.2	0.20	8.93	42.2	5.7	9	12.75	364
M635721		4.05	0.022	3.91	7.75	374	2390	1.88	2.25	0.49	10.60	61.7	21.1	10	14.60	1045
M635722		2.70	0.075	3.46	7.41	282	1840	1.65	1.18	1.17	16.10	49.7	6.8	10	17.55	49.3
M635723		3.34	<0.005	0.14	0.07	9	30	0.08	0.24	20.6	0.15	1.39	0.8	1	0.22	7.4
M635724		1.33	0.008	0.53	8.07	24.4	4980	1.61	0.82	0.39	0.32	54.8	10.8	10	20.2	24.4
M635725		0.25	0.359	4.45	6.66	713	750	1.45	3.48	2.04	11.30	50.1	12.9	25	14.05	320
M635726		19.13	0.013	0.64	7.21	44.9	2900	1.68	0.96	1.29	4.22	41.8	5.2	9	28.0	14.9
Q006307		7.45	<0.005	0.42	7.77	14.4	2160	1.77	0.88	0.56	0.33	60.1	8.7	11	10.65	8.4
Q006308		5.42	0.009	0.50	7.89	23.3	1870	1.84	0.56	0.89	0.38	60.8	9.2	11	16.50	9.3
Q006309		6.83	0.005	0.25	7.76	22.2	1780	1.75	0.39	1.38	0.19	55.0	8.7	12	21.2	6.3
Q006310		9.49	<0.005	0.19	7.57	12.0	2010	1.72	0.35	1.30	0.27	54.3	8.3	10	13.55	8.6
Q006311		8.12	<0.005	0.16	7.81	14.8	1880	1.85	0.32	0.38	0.32	56.6	9.0	10	15.80	7.7
Q006312		5.16	<0.005	0.21	8.36	19.5	6220	2.53	0.47	0.72	0.33	67.7	9.2	9	43.0	9.3
Q006313		8.21	<0.005	0.19	7.98	22.5	1770	2.55	0.35	0.37	0.31	63.7	7.7	10	42.8	13.0
Q006314		3.68	0.009	0.30	8.27	27.7	960	2.37	0.56	0.40	0.60	62.7	9.5	11	41.1	14.2
Q006315		4.95	0.012	0.29	7.87	18.6	1400	1.97	0.37	0.31	0.88	59.0	8.0	9	20.8	16.7
Q006316		6.07	0.042	1.45	7.81	66.1	1140	2.01	0.40	0.27	1.20	66.4	8.4	28	33.3	22.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13130965

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M635701		4.18	15.65	0.14	1.2	0.332	2.69	34.8	58.2	0.21	3790	2.90	0.28	7.6	2.4	520
M635702		10.70	5.04	0.07	0.4	2.37	0.75	6.7	20.9	0.06	763	3.99	0.02	1.9	1.4	160
M635703		20.0	2.59	0.19	0.1	5.09	0.38	2.1	12.4	0.02	52	2.47	0.01	0.6	0.9	20
M635704		0.49	0.20	0.07	<0.1	0.022	0.02	0.6	1.2	12.10	210	0.11	<0.01	0.2	1.4	180
M635705		2.48	15.70	0.13	2.5	0.059	1.81	26.6	145.0	0.14	780	2.43	0.05	10.2	3.2	840
M635706		2.53	16.25	0.14	2.4	0.063	1.84	23.9	179.5	0.12	1040	1.95	0.05	10.5	3.0	840
M635707		2.46	15.50	0.14	2.6	0.066	1.97	24.0	65.2	0.17	1030	2.09	0.05	9.5	4.5	880
M635708		2.45	16.50	0.16	2.5	0.030	1.78	22.9	102.0	0.11	932	2.63	0.05	10.8	3.1	790
M635709		8.58	13.55	0.12	1.0	1.485	2.55	17.2	16.5	0.66	2300	16.00	0.06	4.7	15.0	450
M635710		2.92	16.90	0.14	3.3	0.141	2.81	25.7	40.4	0.26	960	2.45	0.05	9.8	6.1	1010
M635711		2.78	19.55	0.16	3.8	0.027	3.13	23.2	90.1	0.23	814	1.72	0.06	11.0	7.8	1120
M635712		8.39	9.78	0.11	0.6	1.380	1.80	15.3	14.0	0.13	148	7.39	0.02	3.6	2.0	200
M635713		11.50	8.27	0.34	0.3	30.6	0.87	7.9	12.5	0.06	153	7.00	0.01	1.7	2.5	100
M635714		3.41	18.65	0.17	1.3	0.221	3.31	32.0	34.1	0.23	1140	4.37	0.25	8.5	4.3	660
M635715		3.30	17.95	0.20	1.2	0.263	3.21	27.0	33.1	0.21	1120	4.76	0.24	8.1	4.2	620
M635716		2.73	17.70	0.14	2.4	0.153	0.96	18.5	117.0	0.28	943	2.24	0.01	10.6	3.3	810
M635717		2.83	19.80	0.15	3.1	0.094	2.12	20.2	104.5	0.14	960	3.03	0.03	11.5	4.4	910
M635718		6.20	14.10	0.12	1.2	2.92	2.32	27.4	29.0	0.17	110	3.64	0.04	6.8	1.6	460
M635719		3.31	17.15	0.14	1.3	0.285	3.13	29.8	62.9	0.16	2590	2.73	0.07	8.1	3.5	640
M635720		8.68	11.80	0.12	0.8	0.887	2.30	24.6	16.4	0.17	256	5.09	0.05	4.8	1.8	420
M635721		5.14	16.50	0.16	1.2	0.788	3.29	33.2	19.5	0.31	1460	2.74	0.86	7.8	3.6	690
M635722		3.79	16.15	0.14	1.2	0.397	3.18	27.6	19.3	0.24	3860	2.78	0.10	7.9	3.1	590
M635723		0.51	0.22	0.15	<0.1	0.008	0.03	0.7	1.2	12.75	226	0.35	<0.01	0.2	1.8	180
M635724		3.16	16.95	0.19	1.2	0.069	2.73	32.6	19.3	0.20	1030	2.32	1.17	8.2	4.0	640
M635725		4.89	15.55	0.14	1.2	0.304	2.90	29.3	26.5	0.76	1900	13.55	0.15	6.3	15.1	520
M635726		3.37	17.10	0.14	1.1	0.275	2.76	20.9	29.3	0.21	1660	1.94	0.07	8.3	3.3	610
Q006307		3.01	15.95	0.14	1.5	0.035	1.92	35.2	23.0	0.19	1100	0.61	2.34	8.7	3.9	680
Q006308		3.11	17.30	0.17	1.7	0.040	2.35	35.8	23.6	0.27	1320	0.75	1.80	8.7	3.6	650
Q006309		3.11	17.20	0.15	1.5	0.046	2.47	31.9	21.9	0.41	1420	0.69	1.59	8.0	3.3	610
Q006310		2.96	16.75	0.14	1.4	0.034	2.37	32.0	17.8	0.33	851	0.62	1.75	8.0	3.5	630
Q006311		3.04	17.25	0.14	1.5	0.038	2.67	33.9	16.2	0.25	836	0.86	1.47	8.3	3.9	640
Q006312		3.14	23.1	0.16	1.6	0.053	4.07	39.4	11.5	0.41	961	0.61	0.10	8.7	3.3	660
Q006313		2.65	19.15	0.15	3.5	0.039	2.53	35.7	56.6	0.23	707	1.56	0.34	10.6	5.1	780
Q006314		2.84	19.55	0.14	3.2	0.042	2.63	34.0	34.0	0.25	925	1.67	0.68	10.3	6.0	790
Q006315		3.08	16.40	0.13	1.5	0.042	2.36	31.0	23.8	0.22	1180	1.57	1.69	7.8	4.6	650
Q006316		2.64	19.15	0.14	3.8	0.042	2.65	37.3	59.7	0.19	1430	2.55	0.17	9.1	16.9	640

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13130965

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M635701		172.0	139.5	0.002	0.06	36.1	9.7	<1	1.9	90.9	0.66	0.08	15.4	0.238	2.13	9.6
M635702		1110	45.9	0.002	4.14	208	2.5	1	5.3	56.8	0.15	1.25	2.8	0.058	0.80	8.8
M635703		5410	24.7	0.002	>10.0	716	1.1	2	9.3	16.7	0.05	2.53	1.0	0.019	0.38	4.1
M635704		17.2	1.1	<0.002	0.02	2.69	0.2	<1	0.2	42.5	<0.05	<0.05	<0.2	<0.005	0.02	0.6
M635705		83.8	70.6	0.002	0.05	23.8	4.7	<1	1.4	165.0	0.71	<0.05	7.1	0.233	1.44	5.5
M635706		76.1	69.9	0.002	0.04	10.55	4.8	<1	1.2	158.0	0.71	<0.05	6.5	0.239	1.39	3.8
M635707		169.5	81.9	<0.002	0.12	24.5	4.6	<1	1.4	311	0.64	0.10	6.6	0.245	1.68	4.9
M635708		67.7	69.0	0.002	0.03	10.30	5.0	<1	1.2	114.5	0.74	<0.05	6.6	0.240	1.44	4.4
M635709		1645	143.5	0.003	7.64	106.0	7.8	2	10.1	65.0	0.39	0.79	8.4	0.167	2.13	5.5
M635710		421	129.0	0.002	0.43	25.6	6.2	<1	1.7	172.5	0.69	0.08	7.5	0.276	2.60	5.8
M635711		27.3	139.0	0.002	0.03	10.15	6.4	1	1.4	170.5	0.75	<0.05	6.7	0.307	2.77	3.9
M635712		>10000	111.5	0.003	3.37	118.5	5.5	1	13.4	29.2	0.30	2.12	4.9	0.123	1.24	7.6
M635713		>10000	52.3	0.003	9.55	556	2.8	5	16.9	41.4	0.13	5.74	3.3	0.051	0.77	8.3
M635714		92.9	157.0	<0.002	0.06	10.50	12.9	1	2.0	72.2	0.76	0.07	16.7	0.264	1.96	4.8
M635715		161.5	145.0	<0.002	0.07	10.90	11.9	1	2.0	66.4	0.72	0.08	15.3	0.258	1.97	4.7
M635716		232	26.7	<0.002	0.06	7.56	5.1	1	1.4	261	0.78	<0.05	7.5	0.252	0.90	4.4
M635717		198.0	91.2	<0.002	0.04	12.00	6.7	1	1.4	309	0.87	<0.05	8.6	0.267	2.16	10.8
M635718		803	141.5	<0.002	1.05	180.5	8.3	1	10.4	144.5	0.54	1.87	10.0	0.199	2.24	10.3
M635719		136.5	168.0	<0.002	0.07	22.7	12.0	1	5.2	71.2	0.66	0.05	15.8	0.260	2.68	13.8
M635720		1300	135.0	<0.002	1.25	65.0	6.9	1	4.8	45.5	0.35	4.22	12.0	0.155	2.29	8.1
M635721		114.5	163.0	<0.002	0.09	13.85	11.7	1	2.5	126.0	0.62	0.54	15.8	0.246	2.32	9.9
M635722		394	164.5	0.002	1.25	16.70	10.7	1	2.5	51.3	0.63	0.06	13.9	0.245	2.84	5.1
M635723		8.2	1.6	<0.002	0.01	0.33	0.2	1	<0.2	45.4	<0.05	<0.05	<0.2	<0.005	0.02	0.6
M635724		27.2	133.5	<0.002	0.12	9.68	12.1	2	1.7	126.5	0.65	0.10	15.4	0.250	1.53	3.8
M635725		478	161.5	0.003	2.61	28.1	9.6	2	5.7	108.5	0.48	0.40	12.0	0.203	2.60	5.3
M635726		76.8	137.0	<0.002	0.17	13.60	11.1	1	3.0	54.7	0.63	0.06	11.7	0.257	2.11	3.3
Q006307		24.2	101.0	0.002	0.05	3.71	12.4	1	1.5	155.0	0.75	<0.05	15.3	0.279	1.10	3.3
Q006308		29.3	127.0	<0.002	0.04	4.66	12.3	1	1.7	147.5	0.81	<0.05	16.2	0.273	1.44	3.5
Q006309		19.5	129.5	<0.002	0.05	4.74	11.8	1	1.6	130.0	0.60	<0.05	15.6	0.261	1.48	3.1
Q006310		21.7	114.0	<0.002	0.05	3.43	11.8	1	1.6	153.0	0.65	<0.05	14.9	0.257	1.26	3.5
Q006311		20.0	131.0	<0.002	0.03	4.06	12.7	1	1.6	131.5	0.71	<0.05	14.8	0.260	1.38	4.4
Q006312		20.2	215	<0.002	0.14	6.44	12.9	1	1.8	106.0	0.69	0.05	17.0	0.281	2.32	6.0
Q006313		32.2	117.0	<0.002	0.03	9.74	9.3	1	1.4	186.5	0.78	0.05	12.3	0.296	1.55	5.7
Q006314		38.2	130.5	<0.002	0.02	10.40	11.0	1	1.7	188.5	0.79	0.07	13.6	0.302	1.83	7.1
Q006315		64.7	119.5	<0.002	0.02	7.88	11.9	1	1.5	132.5	0.61	<0.05	14.0	0.260	1.61	4.4
Q006316		217	129.0	<0.002	0.02	14.40	8.1	1	1.7	271	0.76	<0.05	13.8	0.264	1.96	6.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13130965

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
M635701		68	2.0	19.1	1640	33.1			
M635702		20	1.8	4.3	3790	12.5	104		
M635703		9	0.9	1.6	510	2.9	317		
M635704		2	0.1	0.8	37	<0.5			
M635705		52	2.0	10.6	417	82.3			
M635706		51	2.1	9.8	384	82.3			
M635707		54	2.3	10.3	368	94.6			
M635708		49	2.3	10.2	280	84.4			
M635709		56	7.1	8.6	3290	25.2			
M635710		62	2.3	13.1	480	124.0			
M635711		68	1.8	14.5	340	148.5			
M635712		38	3.7	11.5	1620	15.6	111	1.310	
M635713		21	2.0	6.5	>10000	8.2	701	5.05	1.405
M635714		73	5.6	21.6	299	32.8			
M635715		71	5.5	18.8	301	29.9			
M635716		51	3.1	10.0	667	83.2			
M635717		58	2.8	12.4	687	111.5			
M635718		54	3.4	6.5	557	35.8			
M635719		73	3.4	17.8	1360	29.7			
M635720		51	2.5	4.5	784	20.5			
M635721		72	2.5	19.2	914	29.7			
M635722		67	3.5	15.3	1200	27.5			
M635723		1	0.1	0.9	22	<0.5			
M635724		75	4.0	19.5	78	27.8			
M635725		66	5.4	12.1	877	31.9			
M635726		73	5.1	13.2	414	27.8			
Q006307		75	1.8	18.1	76	39.2			
Q006308		79	1.6	19.7	86	40.1			
Q006309		77	1.2	18.7	66	41.1			
Q006310		78	1.1	17.0	67	37.7			
Q006311		75	1.3	17.1	71	37.0			
Q006312		106	1.4	18.6	76	44.7			
Q006313		75	1.6	18.3	81	124.0			
Q006314		83	1.8	18.8	105	109.5			
Q006315		77	1.5	14.0	149	41.1			
Q006316		61	2.1	14.0	269	133.0			

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 2- AUG- 2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13130965

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

	REE's may not be totally soluble in this method.
Applies to Method:	ME- MS61
	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method:	ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Ag- OG62	Au- AA24	ME- MS61	ME- OG62
	Pb- OG62	Zn- OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-AUG-2013
Account: ROCKHA

CERTIFICATE WH13130966

Project: KLAZA

P.O. No.: Batch 29

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

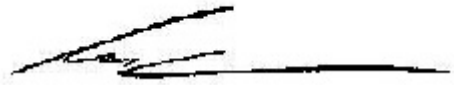
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13130966

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
Q006317		3.62	0.020		0.84	8.18	47.1	530	2.21	0.37	0.28	0.50	71.5	7.0	34	48.9
Q006318		10.24	0.008		0.22	8.09	28.3	1290	1.93	0.83	0.29	0.31	62.2	8.8	9	27.1
Q006319		7.61	0.008		0.24	8.06	61.0	1320	1.81	0.69	0.37	1.03	59.6	8.5	10	9.81
Q006320		7.45	0.015		0.27	7.91	158.0	1420	1.83	1.09	0.40	1.61	55.9	8.7	12	10.45
Q006321		7.45	0.030		0.30	7.99	308	1170	1.90	1.12	0.38	1.64	57.1	9.0	10	14.20
Q006322		7.36	0.017		0.34	8.25	254	1530	1.84	1.28	0.41	1.42	56.0	9.2	10	15.55
Q006323		3.80	0.110		1.23	9.38	397	920	2.41	9.11	1.12	2.20	71.2	12.4	9	42.4
Q006324		7.36	0.277		1.13	8.96	848	1300	1.90	5.20	1.07	6.76	63.6	9.9	10	27.0
Q006325		10.80	0.076		1.13	7.24	703	2950	1.61	1.23	0.88	6.47	50.4	6.9	8	51.6
Q006326		2.54	<0.005		0.02	0.09	11	50	0.07	0.06	20.8	0.10	1.39	0.8	1	0.45
Q006327		5.65	0.026		0.18	8.21	821	1990	1.33	0.29	0.32	7.28	54.4	8.8	10	30.0
Q006328		7.52	0.083		3.19	5.41	1455	1320	1.16	3.30	0.34	15.90	41.2	14.4	9	17.45
Q006329		7.19	0.019		0.44	6.93	1150	1320	1.46	0.75	0.28	9.06	53.0	8.2	9	28.4
Q006330		6.02	0.029		0.59	7.44	791	1570	1.48	1.07	0.23	6.83	50.7	10.1	9	20.1
Q006331		5.15	0.107		2.88	6.57	2690	1110	1.30	2.19	0.24	13.20	50.7	8.8	9	15.55
Q006332		7.36	0.088		2.49	7.36	1225	1200	1.57	1.64	0.22	6.67	56.8	10.1	9	15.25
Q006333		0.25	0.345		4.61	6.59	694	740	1.47	3.45	2.00	11.35	51.6	12.8	23	14.15
Q006334		8.96	0.199		1.98	7.81	1485	1530	1.52	1.27	0.28	8.99	53.9	10.1	9	17.95
Q006335		5.62	>10.0	17.10	>100	5.97	>10000	2540	1.50	59.4	0.64	121.0	43.6	5.0	8	15.95
Q006336		5.95	0.104		1.57	7.93	768	1520	1.51	0.92	0.50	11.05	58.2	9.9	9	13.80
Q006337		6.76	0.100		1.65	7.42	764	2190	1.42	0.86	1.06	11.70	49.2	9.1	9	16.35
Q006338		6.81	0.023		0.37	7.40	237	2650	1.58	0.42	2.12	7.46	44.9	8.7	9	20.2
Q006339		6.78	0.031		0.66	6.37	203	1910	1.42	0.36	2.78	3.56	38.3	7.4	8	23.5
Q006340		5.78	0.120		1.81	7.46	592	1050	1.39	0.80	0.98	29.1	43.2	9.5	10	19.50
Q006341		2.56	<0.005		0.03	0.06	5	20	0.05	0.03	20.3	0.10	1.19	1.3	<1	0.23
Q006342		7.46	0.040		1.05	7.24	346	1120	1.43	1.14	1.65	8.78	45.2	9.7	10	17.50
Q006343		<0.02	0.038		1.17	7.37	337	1080	1.49	1.16	1.75	8.60	50.4	9.7	9	17.65
Q006344		7.44	0.063		2.33	7.20	622	1540	1.36	0.58	0.20	15.45	40.6	8.4	9	14.95
Q006345		7.83	0.023		1.55	7.96	279	1280	1.55	1.99	0.49	9.52	52.4	10.3	10	15.55
Q006346		5.17	0.052		1.50	7.88	841	1250	1.56	1.42	0.27	17.55	53.9	10.8	9	22.6
Q006347		7.17	0.030		0.68	8.35	620	2040	1.71	0.25	0.64	15.70	60.5	12.3	10	22.8
Q006348		6.89	0.012		0.29	8.18	271	2110	1.80	0.14	1.09	5.88	60.8	11.3	10	17.15
Q006349		5.41	0.016		0.39	8.15	198.5	2030	1.68	0.19	1.25	5.35	61.9	9.7	11	19.75
Q006350		4.55	0.036		2.57	8.08	624	2840	1.70	0.28	0.61	15.25	61.3	12.8	9	25.2
Q006351		0.26	0.887		11.50	6.52	1495	1140	1.48	12.30	1.91	34.2	48.2	18.9	19	14.40
Q006352		9.74	0.019		1.22	7.84	268	1590	1.74	1.32	0.72	7.91	58.3	9.2	10	18.80

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13130966

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Q006317		25.0	2.33	21.4	0.14	4.8	0.051	2.60	40.4	69.8	0.19	836	1.65	0.05	10.0	21.4
Q006318		12.7	3.05	17.70	0.15	1.5	0.041	2.65	34.5	41.9	0.19	1130	1.52	0.97	8.7	4.2
Q006319		10.1	2.96	16.80	0.14	1.2	0.048	2.38	30.0	26.8	0.20	1130	1.21	2.17	8.6	4.0
Q006320		10.3	3.05	16.05	0.12	1.4	0.057	2.37	23.7	27.2	0.21	1240	1.00	2.06	8.8	4.2
Q006321		12.2	3.66	17.65	0.14	1.4	0.054	2.17	27.6	38.7	0.20	1120	1.21	2.03	8.6	4.2
Q006322		13.0	3.31	17.30	0.14	1.3	0.051	2.43	25.9	30.6	0.21	1180	1.43	1.81	8.5	3.9
Q006323		52.7	6.56	26.6	0.16	1.5	0.269	1.62	33.5	61.1	0.64	2080	1.28	1.74	10.3	4.6
Q006324		86.3	4.45	22.5	0.14	1.4	0.108	2.33	28.2	39.7	0.41	1530	0.83	1.75	9.2	4.2
Q006325		22.9	3.03	16.05	0.12	1.3	0.128	2.45	28.6	34.4	0.26	1600	2.84	0.20	6.8	2.6
Q006326		3.3	0.47	0.26	0.15	<0.1	<0.005	0.03	0.7	1.2	12.95	207	0.16	0.01	0.2	1.9
Q006327		24.4	3.13	17.80	0.18	1.5	0.041	2.43	28.6	34.8	0.16	1250	3.20	0.07	8.8	3.1
Q006328		31.3	4.15	14.45	0.11	0.9	0.143	2.36	22.8	18.6	0.24	3350	7.39	0.03	5.1	2.6
Q006329		28.5	3.02	15.85	0.14	1.3	0.085	3.07	30.6	20.6	0.22	1580	3.89	0.03	7.3	2.8
Q006330		27.3	2.97	16.40	0.10	1.4	0.067	3.16	27.8	20.4	0.26	2090	2.04	0.05	7.7	3.3
Q006331		39.1	4.83	15.60	0.13	1.2	0.531	3.08	28.9	9.4	0.21	872	2.14	0.02	6.5	2.3
Q006332		25.3	3.99	16.85	0.16	1.3	0.667	3.62	32.5	8.0	0.26	3000	1.71	0.03	7.6	3.1
Q006333		300	4.85	15.55	0.13	1.1	0.315	2.86	29.6	24.8	0.75	1880	14.30	0.15	6.3	14.8
Q006334		59.7	3.91	16.80	0.13	1.2	0.151	3.70	29.6	9.8	0.28	3890	1.59	0.03	8.1	3.0
Q006335		1260	10.65	15.35	0.26	0.9	10.05	2.60	47.8	10.5	0.27	2950	2.06	0.09	5.7	3.4
Q006336		94.5	3.31	16.65	0.13	1.2	0.098	3.07	31.5	16.4	0.38	1760	0.92	1.17	8.3	3.8
Q006337		32.6	3.12	16.35	0.14	1.2	0.114	2.74	27.3	20.7	0.28	2090	0.80	0.86	7.7	3.1
Q006338		16.3	3.04	16.10	0.15	1.4	0.057	2.80	23.6	28.3	0.29	1180	0.49	0.82	8.4	3.0
Q006339		71.4	2.78	15.15	0.14	1.2	0.096	3.01	19.4	18.3	0.38	1270	0.36	0.12	7.6	2.4
Q006340		48.7	4.82	16.55	0.16	1.1	0.381	3.43	23.6	11.6	0.29	3550	1.24	0.10	8.0	3.3
Q006341		2.2	0.49	0.27	0.21	<0.1	0.005	0.03	0.6	0.9	12.85	234	0.06	<0.01	0.3	2.2
Q006342		27.1	3.72	16.60	0.14	1.2	0.121	3.34	24.0	17.8	0.33	3220	0.86	0.10	8.0	3.6
Q006343		27.2	3.64	16.60	0.14	1.2	0.124	3.27	27.4	17.9	0.40	3140	0.84	0.10	7.9	3.5
Q006344		46.0	6.22	16.55	0.17	1.1	0.230	3.35	26.9	11.4	0.24	6250	1.51	0.03	7.7	2.9
Q006345		21.9	4.33	18.20	0.16	1.2	0.192	3.65	27.7	11.8	0.30	3990	1.04	0.14	8.6	4.0
Q006346		47.1	4.12	18.15	0.16	1.3	0.162	2.60	31.6	47.4	0.18	3290	2.51	0.10	8.1	3.9
Q006347		39.1	3.62	19.20	0.16	1.5	0.055	2.61	32.5	47.8	0.34	1990	2.13	0.69	9.3	5.1
Q006348		17.6	3.16	18.60	0.17	1.4	0.048	2.82	32.2	20.2	0.55	1260	1.13	1.65	9.2	4.2
Q006349		21.9	3.33	18.85	0.17	1.3	0.053	2.79	34.2	23.0	0.39	1220	1.53	1.34	8.7	4.6
Q006350		173.0	3.66	18.55	0.19	1.4	0.150	3.28	49.2	20.2	0.35	7220	6.42	0.52	8.4	3.3
Q006351		283	6.45	16.15	0.19	1.0	0.831	2.91	26.2	18.2	0.76	1840	9.31	0.12	6.8	12.5
Q006352		32.5	4.30	17.60	0.17	1.3	0.303	2.85	32.7	37.8	0.34	1650	1.93	0.68	8.3	3.8

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13130966

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
Q006317		690	104.0	125.5	<0.002	0.01	12.85	7.5	1	1.9	302	0.80	<0.05	14.6	0.276	1.96
Q006318		650	23.5	132.0	<0.002	0.01	8.75	12.6	1	1.7	135.0	0.78	0.08	16.5	0.274	1.83
Q006319		690	29.4	111.5	<0.002	0.01	5.97	12.0	1	2.0	180.5	0.69	0.09	15.2	0.278	1.39
Q006320		690	48.0	110.5	<0.002	0.01	8.79	11.8	1	1.9	191.5	0.72	<0.05	14.9	0.279	1.34
Q006321		670	45.7	109.5	<0.002	0.01	9.22	12.0	1	1.8	160.5	0.70	0.05	15.6	0.268	1.34
Q006322		680	55.8	114.5	<0.002	0.01	8.24	12.0	1	1.8	205	0.68	<0.05	16.3	0.276	1.28
Q006323		750	103.5	105.0	<0.002	0.03	33.6	13.6	1	2.3	196.5	0.83	0.08	19.0	0.309	1.44
Q006324		730	122.5	123.5	<0.002	0.03	19.35	12.6	1	2.1	251	0.73	0.09	16.6	0.303	1.64
Q006325		540	248	145.5	<0.002	0.13	20.0	10.7	1	2.2	121.5	0.57	<0.05	12.6	0.237	2.09
Q006326		170	2.9	1.9	<0.002	<0.01	0.15	0.2	<1	<0.2	48.2	<0.05	<0.05	0.2	<0.005	0.02
Q006327		680	33.8	126.5	0.002	0.04	19.05	13.8	2	1.7	73.3	0.67	<0.05	14.9	0.296	1.67
Q006328		450	531	153.0	<0.002	1.27	37.8	9.0	1	1.4	58.0	0.39	0.11	9.4	0.181	1.81
Q006329		600	36.8	184.0	<0.002	0.06	16.65	11.2	1	1.4	49.0	0.59	<0.05	13.0	0.253	2.62
Q006330		600	55.1	192.5	<0.002	0.05	19.35	12.0	1	1.6	53.0	0.61	<0.05	13.8	0.257	2.59
Q006331		540	563	195.5	<0.002	0.32	28.7	11.5	1	6.8	34.7	0.50	<0.05	12.3	0.219	2.17
Q006332		630	463	216	<0.002	0.18	17.55	12.7	1	2.8	32.7	0.59	0.07	13.6	0.260	2.85
Q006333		510	470	162.5	0.004	2.58	28.6	9.7	1	5.7	108.0	0.50	0.33	11.9	0.201	2.69
Q006334		650	285	221	<0.002	0.11	17.30	12.9	1	2.5	35.4	0.65	<0.05	14.0	0.277	2.83
Q006335		540	>10000	154.0	<0.002	0.14	244	12.9	2	24.0	90.7	0.43	0.05	12.3	0.197	1.89
Q006336		660	252	152.5	<0.002	0.03	10.85	12.9	1	1.9	114.0	0.66	<0.05	13.9	0.285	1.71
Q006337		610	207	141.0	<0.002	0.06	14.15	11.6	1	1.7	102.0	0.62	<0.05	12.5	0.264	1.67
Q006338		640	33.7	133.5	<0.002	0.08	8.41	11.8	1	1.6	131.5	0.72	<0.05	11.8	0.279	1.69
Q006339		580	50.5	139.5	<0.002	0.06	10.40	10.1	1	1.3	99.9	0.62	<0.05	10.3	0.258	2.10
Q006340		640	534	185.0	<0.002	0.46	33.5	12.7	1	2.2	55.3	0.61	<0.05	13.1	0.278	2.44
Q006341		190	3.7	1.3	<0.002	0.01	0.08	0.2	1	<0.2	46.0	<0.05	<0.05	<0.2	<0.005	<0.02
Q006342		630	248	165.0	<0.002	0.05	20.7	11.6	1	1.6	55.8	0.64	<0.05	11.6	0.275	2.59
Q006343		630	249	170.5	<0.002	0.05	20.5	11.9	1	1.6	56.0	0.64	<0.05	12.4	0.268	2.57
Q006344		540	834	190.5	<0.002	0.09	17.25	12.2	1	4.2	45.9	0.62	<0.05	13.8	0.257	2.64
Q006345		650	336	191.5	<0.002	0.03	19.65	13.0	1	2.4	58.0	0.67	<0.05	13.3	0.298	2.51
Q006346		640	319	133.0	<0.002	0.01	43.7	12.6	1	2.3	77.8	0.66	<0.05	14.7	0.278	1.87
Q006347		750	42.1	123.5	<0.002	0.01	28.7	14.4	1	1.7	129.0	0.73	<0.05	15.6	0.305	1.31
Q006348		700	26.7	129.0	<0.002	<0.01	12.15	13.5	1	1.7	229	0.74	<0.05	15.7	0.299	1.26
Q006349		720	43.4	148.5	<0.002	0.03	9.95	13.7	1	1.7	145.0	0.68	<0.05	15.1	0.295	1.48
Q006350		610	274	188.0	<0.002	<0.01	31.3	14.1	2	2.2	97.9	0.68	<0.05	15.7	0.275	2.77
Q006351		530	1320	169.0	<0.002	4.61	62.7	9.8	2	8.3	95.7	0.53	0.94	12.0	0.210	2.63
Q006352		640	265	144.0	<0.002	0.02	15.15	12.7	1	2.5	139.5	0.67	<0.05	15.5	0.279	1.76

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13130966

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001
Q006317		7.3	59	1.9	14.9	157	169.5		
Q006318		4.9	78	2.5	16.3	92	39.2		
Q006319		4.2	77	2.1	13.3	126	33.1		
Q006320		3.7	75	2.4	12.8	188	34.0		
Q006321		4.5	81	2.7	13.0	202	33.9		
Q006322		4.3	80	2.7	13.5	238	34.7		
Q006323		6.5	127	3.9	17.1	416	38.6		
Q006324		5.4	110	2.6	13.1	446	34.7		
Q006325		6.0	81	2.6	12.8	617	34.7		
Q006326		0.6	2	0.1	0.8	21	0.5		
Q006327		3.7	85	5.6	17.1	603	37.9		
Q006328		4.8	79	4.2	12.4	1380	22.9		
Q006329		4.4	82	2.4	15.0	739	32.0		
Q006330		3.8	83	2.6	15.6	641	34.1		
Q006331		5.2	75	2.7	12.2	1120	29.7		
Q006332		4.5	83	2.3	13.8	831	31.7		
Q006333		5.3	65	5.6	12.2	859	30.7		
Q006334		4.5	80	2.3	15.0	971	32.3		
Q006335		19.3	65	2.4	43.5	2470	26.4	154	2.05
Q006336		3.4	80	1.4	14.5	1400	34.2		
Q006337		3.0	78	1.8	13.2	845	31.3		
Q006338		2.7	78	1.9	13.0	530	37.3		
Q006339		2.3	76	1.9	11.1	328	32.0		
Q006340		4.4	77	4.2	14.7	2650	30.0		
Q006341		0.6	2	0.1	0.8	22	<0.5		
Q006342		3.2	80	2.3	14.4	991	32.5		
Q006343		3.2	78	2.3	15.3	963	32.0		
Q006344		6.0	71	4.9	16.5	2340	31.4		
Q006345		4.6	87	3.8	13.7	1110	34.2		
Q006346		4.5	81	6.8	17.5	1630	35.7		
Q006347		3.1	90	4.3	17.6	1500	41.3		
Q006348		2.2	84	2.6	16.0	1130	36.4		
Q006349		3.2	89	2.5	15.5	761	36.3		
Q006350		3.9	84	3.3	29.8	1580	39.9		
Q006351		5.8	63	5.7	11.8	2450	30.9		
Q006352		4.5	81	2.7	16.6	1160	35.6		

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VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13130966

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- OG62	Au- AA24	Au- GRA22	ME- MS61
	ME- OG62	Pb- OG62		

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Finalized Date: 13-AUG-2013
Account: ROCKHA

CERTIFICATE WH13135205

Project: KLAZA

P.O. No.: Batch 30

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

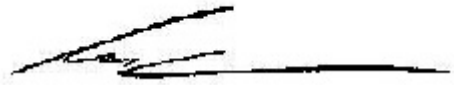
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135205

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
Q006353		8.80	0.006		0.28	7.91	48.1	2100	1.56	0.18	1.42	2.62	57.7	8.4	9	17.50
Q006354		5.94	0.005		0.21	8.24	32.9	2150	1.36	0.13	0.68	1.33	54.3	8.3	9	23.1
Q006355		4.26	0.014		0.49	8.00	237	950	1.29	0.27	0.26	3.05	58.7	8.7	8	19.55
Q006356		6.56	<0.005		0.21	8.78	51.2	2170	1.58	0.15	1.03	1.34	62.0	8.4	10	21.1
Q006357		6.05	0.240		1.96	8.33	863	1880	1.48	0.96	0.77	12.80	65.2	6.6	10	18.20
Q006358		5.36	0.270		2.83	6.75	1365	2320	1.61	1.50	0.19	25.7	69.7	11.2	8	19.20
Q006359		9.78	0.015		0.94	8.02	116.0	1960	1.55	0.39	0.60	3.86	44.9	8.4	9	22.0
Q006360		10.11	0.014		1.50	7.73	219	1330	1.46	0.30	0.44	3.07	54.1	8.0	9	20.7
Q006361		10.22	<0.005		0.16	7.80	42.9	2070	1.48	0.17	1.26	0.33	54.9	8.4	9	13.10
Q006381		5.49	0.076		1.33	8.03	690	2150	1.56	0.46	0.57	17.80	50.4	6.7	9	24.4
Q006382		6.40	0.056		0.97	7.96	165.0	2230	1.50	0.45	0.85	6.22	54.6	7.8	8	19.50
Q006383		4.74	0.023		0.45	8.23	158.5	2300	1.52	0.26	0.82	8.64	47.6	8.9	8	25.0
Q006384		6.17	0.015		0.28	8.21	106.5	2520	1.43	0.20	0.81	11.30	52.2	9.8	8	18.40
Q006385		7.00	0.033		0.80	7.88	402	2260	1.67	0.56	0.21	11.10	45.7	8.7	8	19.10
Q006386		0.24	1.805		36.9	5.99	2360	140	1.29	36.1	1.59	43.7	37.9	16.2	21	9.62
Q006387		7.54	0.039		0.77	7.95	546	1600	1.74	0.29	0.36	23.2	42.5	6.9	8	25.6
Q006388		5.82	0.106		2.32	8.17	888	1660	1.47	1.07	0.24	20.2	47.5	9.1	8	27.0
Q006389		7.31	0.084		2.26	8.36	707	1600	1.54	1.60	0.35	11.95	44.9	8.2	9	26.0
Q006390		6.84	0.029		3.94	8.53	1125	2190	1.94	0.61	0.26	41.7	46.3	11.2	9	23.4
Q006391		7.96	0.118		8.08	6.99	1745	780	0.83	27.0	0.30	5.80	47.6	0.6	7	26.1
Q006392		4.92	>10.0	87.0	>100	0.81	>10000	800	0.26	709	0.19	34.9	7.46	0.6	3	4.35
Q006393		1.76	0.028		0.58	0.06	80	30	0.05	0.56	20.4	0.16	1.05	0.7	<1	0.21
Q006394		5.62	0.115		3.49	6.29	1040	870	1.13	2.60	0.19	12.00	48.8	0.9	8	30.6
Q006395		6.61	0.072		0.92	8.17	197.5	1800	1.95	1.01	0.30	22.5	50.4	26.6	9	29.5
Q006396		0.25	1.720		36.9	5.54	2330	110	1.17	34.0	1.53	43.1	34.1	15.3	20	8.96
Q006397		6.21	0.025		0.39	8.09	69.6	2290	1.48	0.73	0.50	2.02	53.3	9.3	9	29.3
Q006398		6.13	0.023		0.37	8.69	71.3	2350	1.59	0.57	0.85	1.88	56.6	9.1	9	20.0
Q006399		<0.02	0.033		0.50	8.42	84.6	2150	1.62	0.74	0.85	1.76	48.3	8.2	8	20.4
Q006400		6.08	0.008		0.15	7.60	26.3	2210	1.41	0.24	1.97	0.59	49.8	8.8	8	18.90
Q862844		4.43	0.014		0.60	5.02	111.5	5140	1.25	0.16	4.13	4.26	39.6	7.8	6	11.95
Q862845		6.47	0.013		0.20	8.92	34.4	2400	1.23	0.23	0.34	0.72	58.3	9.0	10	19.35
Q862846		6.06	0.036		0.72	8.05	82.5	3260	1.88	0.43	0.81	2.94	57.2	6.1	11	19.95
Q862847		5.06	0.007		0.17	8.20	45.6	1220	2.07	0.23	0.68	1.24	66.0	6.0	15	26.9
Q862848		4.45	0.006		0.19	7.44	34.7	800	1.98	0.15	0.97	1.86	49.5	5.0	13	19.20
Q862849		4.91	0.030		1.29	8.56	94.0	2530	1.99	0.50	0.51	0.87	41.8	7.7	10	33.1
Q862850		1.66	<0.005		0.02	0.07	<5	20	0.07	0.02	21.2	0.09	1.04	0.9	<1	0.20

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VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135205

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Q006353		11.6	3.12	16.10	0.16	1.5	0.033	2.57	30.4	23.5	0.50	841	0.72	1.54	8.0	3.8
Q006354		9.0	3.32	15.80	0.16	1.5	0.030	2.60	26.4	28.9	0.40	946	0.81	0.55	8.1	3.1
Q006355		18.4	3.37	14.80	0.16	1.3	0.034	1.71	38.2	107.0	0.11	1880	1.40	0.07	7.2	3.4
Q006356		11.7	3.47	17.95	0.18	1.7	0.042	2.80	32.7	83.7	0.57	796	0.68	0.87	9.1	3.2
Q006357		45.5	4.66	15.85	0.21	1.4	0.202	3.50	40.9	9.7	0.41	4090	2.74	0.58	7.6	3.3
Q006358		57.0	4.46	13.85	0.22	1.1	0.151	2.19	53.9	40.1	0.18	10550	5.09	0.03	6.3	4.6
Q006359		17.9	3.52	16.20	0.15	1.5	0.182	3.02	22.1	40.9	0.32	1320	1.08	0.50	7.6	3.7
Q006360		52.8	3.30	15.15	0.17	1.5	0.087	2.82	30.2	29.5	0.29	2830	1.32	0.26	7.1	3.6
Q006361		13.4	3.14	15.45	0.17	1.4	0.034	2.58	28.4	15.0	0.62	902	0.67	1.56	7.7	3.2
Q006381		145.0	3.34	16.10	0.17	1.5	0.052	2.74	25.8	25.1	0.38	728	1.62	0.83	8.0	3.3
Q006382		46.4	3.08	15.50	0.16	1.5	0.042	2.55	24.6	18.0	0.59	832	1.02	0.99	7.5	3.8
Q006383		31.9	3.34	18.10	0.15	1.2	0.044	2.73	24.6	26.6	0.53	554	1.06	0.76	7.9	3.7
Q006384		22.6	3.84	17.35	0.15	1.2	0.032	2.51	29.1	20.1	0.83	773	0.90	0.50	7.5	3.7
Q006385		152.0	3.48	16.85	0.15	1.2	0.055	2.59	23.9	64.4	0.16	2140	1.89	0.06	7.2	3.5
Q006386		1170	8.57	14.40	0.12	0.9	1.405	2.65	18.9	17.0	0.65	2260	15.80	0.07	4.8	14.4
Q006387		135.5	3.16	16.50	0.14	1.2	0.050	2.88	23.3	61.3	0.18	2080	1.93	0.03	7.0	3.6
Q006388		339	2.90	17.45	0.15	1.2	0.073	2.89	25.3	53.1	0.17	2440	3.14	0.04	7.5	3.3
Q006389		415	3.17	17.10	0.16	1.4	0.080	2.78	23.5	77.9	0.20	2150	3.54	0.29	7.7	3.1
Q006390		1020	3.62	18.40	0.16	1.3	0.100	3.02	24.9	62.0	0.20	5370	3.34	0.17	8.2	4.2
Q006391		421	6.52	16.25	0.14	1.1	1.615	2.99	26.6	26.5	0.19	207	3.51	0.04	7.1	1.1
Q006392		1460	9.32	4.09	0.12	0.1	16.05	0.41	7.1	19.3	0.02	230	31.2	0.01	0.5	0.6
Q006393		3.7	0.47	0.21	0.07	<0.1	0.016	0.02	0.5	1.2	12.50	216	0.10	<0.01	0.1	0.9
Q006394		413	5.31	14.55	0.14	1.0	0.866	2.85	33.2	18.6	0.18	201	9.12	0.03	6.1	1.6
Q006395		612	3.37	18.40	0.18	1.2	0.079	3.10	29.8	52.8	0.24	10550	5.83	0.03	7.3	4.8
Q006396		1150	8.34	13.40	0.12	0.8	1.385	2.51	17.1	15.9	0.63	2180	15.85	0.06	4.4	13.7
Q006397		20.9	3.16	18.85	0.15	1.4	0.043	2.98	23.1	23.0	0.43	902	1.34	0.53	8.4	3.6
Q006398		18.1	3.39	18.70	0.14	1.5	0.045	2.97	27.9	23.2	0.48	865	1.13	1.09	8.6	3.8
Q006399		17.9	3.18	18.00	0.18	1.5	0.043	2.76	24.2	22.3	0.46	843	0.99	1.08	7.8	3.6
Q006400		11.7	3.32	16.50	0.15	1.2	0.034	2.60	24.4	25.2	0.59	860	0.75	0.95	7.6	3.1
Q862844		9.2	5.09	11.30	0.16	0.9	0.042	1.87	30.4	35.4	0.40	7050	5.29	0.03	4.6	3.9
Q862845		16.5	3.12	19.30	0.16	1.6	0.035	2.97	28.6	33.4	0.30	949	1.24	0.50	8.8	3.3
Q862846		9.7	3.02	17.90	0.18	1.9	0.054	2.55	30.9	129.0	0.22	1660	1.41	0.69	9.2	3.6
Q862847		7.2	2.77	21.1	0.17	3.1	0.027	2.95	32.8	131.5	0.18	822	1.36	0.14	12.9	4.2
Q862848		4.7	2.38	18.80	0.18	2.6	0.027	1.53	25.6	154.0	0.15	1140	1.17	0.03	11.2	3.5
Q862849		14.7	2.91	19.60	0.17	1.9	0.046	2.81	20.7	91.0	0.26	1040	1.61	0.07	9.5	3.6
Q862850		2.2	0.50	0.26	0.14	<0.1	<0.005	0.03	0.5	1.3	12.65	215	0.07	0.01	0.1	1.9

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CERTIFICATE OF ANALYSIS WH13135205

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
Q006353		650	28.1	122.5	<0.002	<0.01	6.84	11.8	1	1.5	269	0.69	<0.05	16.5	0.288	1.29
Q006354		680	33.9	126.0	<0.002	0.01	11.95	11.9	1	1.7	114.0	0.70	<0.05	15.8	0.303	1.34
Q006355		570	34.9	87.0	<0.002	<0.01	32.5	12.3	1	1.4	72.9	0.61	<0.05	15.7	0.274	1.63
Q006356		740	22.7	127.0	<0.002	<0.01	13.35	13.8	1	1.7	176.5	0.77	<0.05	16.6	0.332	1.26
Q006357		570	360	209	<0.002	0.15	19.75	12.0	1	3.7	137.0	0.63	<0.05	16.5	0.303	2.40
Q006358		410	331	151.0	<0.002	0.01	57.0	12.7	1	4.6	85.6	0.50	<0.05	13.3	0.241	2.12
Q006359		630	172.5	155.5	<0.002	0.01	12.25	11.3	1	2.2	112.5	0.64	0.05	11.7	0.284	1.92
Q006360		590	134.5	176.5	<0.002	0.02	28.2	10.8	1	1.7	107.0	0.59	<0.05	15.4	0.273	2.17
Q006361		630	19.2	119.0	<0.002	<0.01	3.57	11.9	1	1.6	215	0.67	<0.05	15.4	0.289	1.10
Q006381		650	74.6	134.0	<0.002	0.01	65.5	12.6	1	1.5	122.0	0.67	<0.05	15.6	0.288	1.37
Q006382		620	35.3	121.0	<0.002	<0.01	13.30	11.8	1	1.5	159.0	0.60	<0.05	15.2	0.284	1.09
Q006383		670	26.2	116.5	<0.002	<0.01	12.85	12.3	1	1.5	144.0	0.65	<0.05	14.1	0.281	1.20
Q006384		660	27.1	106.5	<0.002	0.01	11.50	12.6	1	1.4	110.5	0.60	<0.05	14.1	0.268	1.10
Q006385		620	74.1	127.5	0.002	0.03	58.4	12.2	1	1.5	63.9	0.57	<0.05	12.1	0.257	1.44
Q006386		480	1575	145.5	0.004	7.37	99.4	8.9	2	10.6	65.2	0.39	0.66	8.5	0.177	2.08
Q006387		590	63.8	155.5	<0.002	0.02	36.4	11.4	1	1.6	84.1	0.58	<0.05	11.8	0.250	2.28
Q006388		630	188.5	161.0	0.002	0.03	47.4	12.0	1	1.6	82.4	0.63	<0.05	11.5	0.263	2.57
Q006389		660	261	132.5	<0.002	0.02	76.5	11.7	1	1.7	125.5	0.66	<0.05	12.5	0.283	1.75
Q006390		680	233	167.5	<0.002	0.03	62.1	13.3	1	2.0	106.0	0.66	<0.05	11.7	0.293	2.39
Q006391		410	322	176.0	0.002	1.62	71.8	8.1	1	1.8	268	0.54	0.23	8.2	0.255	2.74
Q006392		80	>10000	23.8	0.002	0.85	2080	2.1	3	35.7	120.5	<0.05	4.60	1.5	0.021	7.23
Q006393		160	81.4	1.4	<0.002	<0.01	2.05	0.2	<1	0.2	49.9	<0.05	<0.05	<0.2	<0.005	0.03
Q006394		440	413	163.5	<0.002	0.78	57.3	10.5	1	2.4	147.0	0.47	<0.05	11.1	0.231	2.06
Q006395		610	96.6	189.5	<0.002	0.02	15.05	13.0	1	1.7	129.0	0.58	<0.05	12.7	0.256	2.32
Q006396		420	1595	138.0	0.004	7.37	97.6	7.8	1	10.3	60.7	0.36	0.61	7.8	0.156	2.04
Q006397		660	23.8	131.0	<0.002	<0.01	10.50	13.5	1	1.6	95.6	0.72	<0.05	15.8	0.288	1.54
Q006398		700	23.6	130.0	<0.002	0.01	9.60	12.8	1	1.6	174.5	0.78	<0.05	15.9	0.297	1.27
Q006399		650	36.3	124.5	<0.002	<0.01	8.71	12.8	1	1.7	175.5	0.67	<0.05	13.1	0.272	1.03
Q006400		650	16.4	95.8	<0.002	<0.01	6.48	11.9	1	1.5	189.0	0.64	<0.05	12.6	0.280	1.05
Q862844		380	101.5	108.0	<0.002	0.17	32.0	11.5	1	1.3	175.5	0.38	<0.05	8.3	0.160	1.33
Q862845		690	27.5	129.0	<0.002	<0.01	12.40	12.7	1	1.6	82.4	0.83	<0.05	17.8	0.285	1.32
Q862846		770	100.5	124.5	<0.002	0.06	15.30	9.8	1	1.7	149.0	0.68	<0.05	11.1	0.264	1.42
Q862847		990	29.2	120.0	<0.002	0.01	7.54	7.0	1	1.6	124.5	0.96	<0.05	12.1	0.285	2.13
Q862848		870	39.5	74.7	<0.002	0.01	15.00	6.2	1	1.5	174.0	0.77	<0.05	8.1	0.253	1.11
Q862849		770	132.0	136.0	0.002	0.07	21.6	10.9	1	1.8	73.5	0.70	<0.05	10.5	0.286	1.46
Q862850		200	1.8	1.2	<0.002	0.02	<0.05	0.2	<1	0.2	45.0	<0.05	<0.05	<0.2	<0.005	<0.02

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135205

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001
Q006353		2.5	81	1.7	17.7	380	34.5		
Q006354		3.0	86	3.3	18.3	319	33.9		
Q006355		9.6	81	5.7	24.6	594	31.8		
Q006356		2.4	99	4.2	20.3	284	38.6		
Q006357		3.4	89	3.7	17.5	859	32.5		
Q006358		5.2	83	4.9	23.7	1280	29.6		
Q006359		2.9	86	2.7	14.3	506	33.8		
Q006360		3.3	79	2.6	13.6	441	34.6		
Q006361		1.7	82	1.5	15.6	83	33.6		
Q006381		3.3	82	1.9	14.6	1780	37.2		
Q006382		2.2	82	2.0	13.7	1040	36.9		
Q006383		2.6	82	1.7	17.2	1120	30.4		
Q006384		2.3	79	1.2	22.8	1760	28.0		
Q006385		4.6	79	3.7	12.8	2630	31.0		
Q006386		5.2	60	6.9	9.3	3170	22.3		
Q006387		3.8	75	3.2	13.1	1940	31.4		
Q006388		4.0	78	4.7	11.8	2150	32.1		
Q006389		4.9	83	4.2	12.5	2150	33.7		
Q006390		9.3	90	4.9	17.7	4000	34.5		
Q006391		3.4	69	4.4	5.3	574	28.3		
Q006392		60.8	11	2.6	6.3	1020	3.3	768	10.40
Q006393		0.6	2	0.1	0.7	22	<0.5		
Q006394		5.4	67	4.9	10.4	960	28.1		
Q006395		19.3	82	2.5	26.2	3550	34.1		
Q006396		4.6	53	6.3	8.0	3110	21.5		
Q006397		2.7	86	2.5	15.6	406	35.1		
Q006398		2.7	88	2.5	17.2	188	38.8		
Q006399		2.3	81	2.4	16.2	180	40.2		
Q006400		2.5	82	2.8	20.1	74	31.0		
Q862844		3.1	74	2.5	28.1	296	21.2		
Q862845		3.2	83	4.0	17.5	107	39.6		
Q862846		4.0	67	2.2	16.6	265	60.0		
Q862847		4.9	57	1.5	16.2	113	97.7		
Q862848		3.3	48	2.9	11.4	149	89.0		
Q862849		4.0	76	2.4	12.0	148	59.2		
Q862850		0.6	3	0.1	0.7	15	<0.5		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Finalized Date: 13- AUG- 2013
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135205

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- OG62	Au- AA24	Au- GRA22	ME- MS61
	ME- OG62	Pb- OG62		

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Finalized Date: 13-AUG-2013
Account: ROCKHA

CERTIFICATE WH13135206

Project: KLAZA

P.O. No.: Batch 31

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135206

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q007101		5.00	0.128	0.57	8.85	39.6	1780	1.58	0.33	0.38	0.67	53.4	16.2	15	11.35	127.0
Q007102		5.34	0.020	0.22	8.75	12.8	3320	1.49	0.28	0.70	0.49	42.0	12.8	16	9.27	71.7
Q007103		5.20	0.078	2.36	8.12	159.0	1260	1.80	0.32	0.31	1.15	55.2	17.4	13	26.6	124.0
Q007104		4.51	0.647	18.85	8.75	223	1690	1.59	0.78	0.27	2.11	55.0	15.9	15	19.10	194.0
Q007105		4.89	0.051	1.02	9.15	89.6	1910	1.75	0.38	0.25	2.01	57.5	24.0	15	12.20	138.0
Q007106		0.26	0.344	4.58	6.68	669	370	1.44	2.94	1.94	10.40	48.3	11.5	24	12.25	316
Q007107		3.78	0.050	0.39	8.58	17.2	2770	1.39	1.22	0.54	0.29	38.6	8.4	14	17.95	81.7
Q007108		6.66	0.029	0.30	8.12	75.4	2960	1.64	0.19	0.55	0.33	57.5	17.8	13	21.5	62.2
Q007109		7.88	0.050	0.40	8.35	95.9	1210	1.72	0.23	0.25	0.38	50.0	20.2	14	24.5	76.3
Q007110		4.36	0.020	0.21	8.75	17.2	2430	1.69	0.18	0.82	0.33	49.2	14.0	14	16.85	83.1
Q007111		6.21	0.067	0.60	8.78	53.7	2190	1.81	0.28	0.55	1.41	52.7	15.8	14	19.60	87.1
Q007112		7.65	0.064	0.91	9.04	175.5	1370	1.90	0.38	0.41	1.33	66.4	21.1	16	24.2	278
Q007113		5.78	0.020	0.21	9.02	17.0	1700	1.71	0.27	0.32	1.50	48.7	23.0	15	15.15	58.2
Q007114		4.47	0.014	0.20	9.56	9.5	2280	1.91	0.31	0.45	1.31	52.9	17.6	16	12.40	80.4
Q007115		4.85	0.017	0.21	9.41	10.9	2210	1.58	0.25	0.34	1.55	46.3	18.1	16	10.00	91.9
Q007116		7.61	0.024	0.30	9.36	16.6	1780	1.81	0.29	0.48	2.33	56.0	16.3	17	15.00	107.5
Q007117		2.12	<0.005	0.01	0.07	<5	20	0.05	0.01	19.95	0.06	1.24	0.7	1	0.14	3.4
Q007118		6.97	0.029	0.37	8.83	13.9	3280	1.67	0.34	1.07	1.72	59.9	16.4	15	15.05	68.4
Q007119		4.24	0.524	7.05	5.65	194.0	1220	1.69	3.78	0.15	11.10	43.7	35.2	17	17.30	151.0
Q007120		6.37	0.070	0.50	7.34	85.1	900	1.96	0.12	0.24	1.79	63.0	7.2	17	21.1	29.6
Q007121		5.22	0.057	0.67	7.06	56.4	720	1.83	0.10	0.22	3.49	49.4	7.6	16	41.0	23.4
Q007122		6.04	0.008	0.17	7.70	14.6	1140	1.84	0.07	0.26	1.48	55.1	6.8	16	16.05	15.8
Q007123		5.74	0.015	0.33	7.77	20.8	950	1.82	0.08	0.23	1.45	51.7	6.1	16	17.40	20.0
Q007124		5.37	0.007	0.29	7.79	14.2	790	1.96	0.13	0.23	1.66	51.8	6.4	15	30.2	16.0
Q007125		5.67	0.066	0.59	6.91	68.1	650	1.60	0.31	0.21	2.56	51.1	5.9	16	17.45	21.3
Q007126		6.36	0.044	1.39	7.77	102.0	880	1.57	0.74	0.19	3.63	50.6	12.8	18	17.10	32.3
Q007127		7.20	0.056	0.38	7.69	75.1	940	1.55	0.29	0.24	1.54	53.2	7.7	20	17.05	28.6
Q007128		4.55	0.158	0.60	7.78	149.0	810	1.62	0.28	0.25	6.39	54.6	13.0	21	26.8	48.6
Q007129		4.88	0.682	3.09	5.57	334	690	1.26	3.09	0.14	7.87	46.3	6.0	15	38.8	118.5
Q007130		4.42	0.120	0.99	8.85	107.5	1330	1.31	0.63	0.34	8.58	49.3	24.2	18	28.0	160.5
Q007131		5.04	0.036	0.35	8.75	19.1	>10000	1.41	0.44	2.06	4.25	51.8	25.5	20	15.60	150.5
Q007132		6.75	0.021	0.21	9.19	16.7	5990	1.34	0.23	1.92	2.73	45.1	20.0	19	17.70	102.5
Q007133		10.57	0.049	0.99	8.49	13.9	2420	1.30	0.37	2.74	1.37	49.5	18.9	18	12.00	152.0
Q007134		3.64	0.151	1.63	9.56	130.5	1930	1.63	0.72	0.97	4.12	54.9	25.3	22	22.2	253
Q007135		10.41	0.043	0.20	8.64	13.6	2420	1.41	0.33	2.65	1.13	54.6	19.4	19	11.70	160.5
Q007136		6.99	0.532	7.06	9.22	303	1810	1.59	0.28	0.49	2.69	35.0	15.7	24	21.0	274

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CERTIFICATE OF ANALYSIS WH13135206

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q007101		4.44	17.95	0.22	0.7	0.024	2.41	26.6	22.2	0.28	814	2.41	0.15	7.3	8.2	1220
Q007102		4.27	18.40	0.19	0.7	0.049	2.68	20.7	24.9	0.52	524	2.16	0.50	8.8	7.9	1280
Q007103		4.34	17.45	0.23	0.6	0.038	3.11	32.8	21.2	0.29	1460	2.37	0.09	7.4	9.3	1110
Q007104		4.74	18.05	0.20	0.6	0.055	2.90	31.6	18.9	0.20	1450	2.20	0.08	8.2	8.6	1180
Q007105		5.54	18.60	0.20	0.7	0.052	2.54	27.1	27.5	0.20	1420	2.59	0.08	7.8	9.9	1270
Q007106		4.83	15.00	0.17	1.0	0.262	2.90	27.7	25.1	0.74	1810	13.90	0.15	5.7	14.1	500
Q007107		4.66	18.20	0.17	0.9	0.017	2.49	20.2	21.6	0.45	248	3.65	0.49	7.5	6.1	910
Q007108		4.67	16.35	0.19	0.6	0.022	2.63	31.1	26.2	0.44	612	3.01	0.38	7.0	8.5	1120
Q007109		4.57	17.25	0.18	0.6	0.013	3.00	26.5	20.4	0.28	725	3.80	0.08	6.8	7.9	1100
Q007110		4.17	17.80	0.19	0.7	0.027	2.45	22.4	20.8	0.44	515	1.88	0.61	8.2	7.6	1310
Q007111		4.86	18.50	0.20	0.8	0.022	2.74	24.9	21.3	0.46	1980	3.20	0.29	8.3	9.1	1340
Q007112		5.21	18.00	0.14	0.7	0.030	3.19	35.8	20.6	0.34	2140	3.41	0.18	7.7	10.4	1300
Q007113		4.85	17.80	0.11	0.7	0.022	2.43	23.1	29.7	0.23	663	5.54	0.10	7.8	8.4	1270
Q007114		5.03	21.4	0.14	0.8	0.035	2.57	24.5	33.5	0.41	374	2.91	0.16	10.0	9.2	1440
Q007115		5.03	19.75	0.11	0.8	0.033	2.63	19.5	28.2	0.26	606	2.60	0.12	9.4	8.6	1310
Q007116		4.77	18.85	0.14	0.6	0.027	2.50	28.4	29.5	0.42	440	2.21	0.30	6.9	8.5	1250
Q007117		0.46	0.20	0.05	<0.1	0.005	0.03	0.6	1.0	11.95	199	0.08	0.01	0.2	2.6	170
Q007118		4.43	18.25	0.16	0.7	0.035	2.50	28.4	26.2	0.83	386	1.53	0.98	7.1	8.4	1230
Q007119		7.08	12.50	0.14	1.5	0.143	2.39	25.0	19.9	0.30	9280	22.1	0.08	4.1	9.1	550
Q007120		2.51	17.95	0.13	2.3	0.026	3.24	33.5	18.5	0.29	1420	2.11	0.09	8.7	7.0	700
Q007121		2.06	15.80	0.11	1.8	0.023	2.21	30.5	39.3	0.23	1140	1.78	0.05	8.2	8.1	690
Q007122		2.32	18.70	0.14	2.1	0.028	3.10	32.0	22.1	0.25	794	1.48	0.10	9.9	7.4	750
Q007123		2.45	17.85	0.12	2.0	0.030	3.29	31.0	13.0	0.26	802	1.80	0.08	8.8	7.1	760
Q007124		2.17	18.20	0.11	2.2	0.025	2.80	30.6	47.1	0.24	709	1.73	0.06	9.8	6.4	740
Q007125		2.56	16.65	0.12	2.1	0.026	2.90	32.1	18.0	0.24	996	2.66	0.06	8.5	6.8	690
Q007126		3.22	16.20	0.12	2.1	0.064	3.21	29.9	15.1	0.26	1300	2.73	0.07	8.3	7.7	750
Q007127		2.61	17.70	0.11	2.8	0.030	3.06	31.1	19.0	0.25	906	2.39	0.08	9.6	8.4	860
Q007128		2.68	18.50	0.12	3.0	0.040	3.11	31.3	14.8	0.30	2140	3.26	0.10	10.2	10.5	900
Q007129		7.02	13.00	0.18	1.8	0.103	2.41	30.6	16.9	0.27	905	15.90	0.06	5.5	6.9	610
Q007130		4.98	18.25	0.13	0.8	0.084	2.25	27.7	33.4	0.25	2000	4.93	0.08	6.8	9.0	1480
Q007131		5.51	18.10	0.13	0.7	0.054	1.95	30.7	26.2	1.04	1120	2.41	1.39	7.5	12.0	1450
Q007132		5.32	16.75	0.10	0.6	0.046	2.29	25.3	25.3	1.26	762	1.37	1.26	7.1	9.1	1530
Q007133		5.30	17.00	0.13	0.6	0.054	2.24	29.1	19.9	1.87	671	1.77	1.58	7.2	9.2	1450
Q007134		5.51	20.3	0.14	0.7	0.088	2.67	27.9	25.3	0.87	1560	4.40	0.51	8.4	10.7	1550
Q007135		5.45	17.70	0.14	0.7	0.055	2.31	33.4	21.7	1.92	675	1.90	1.53	7.4	10.6	1440
Q007136		5.82	19.20	0.12	0.8	0.302	2.87	18.6	28.7	0.56	753	4.46	0.14	7.7	8.9	1530

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CERTIFICATE OF ANALYSIS WH13135206

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q007101		19.8	116.5	0.002	0.02	22.9	16.9	2	2.1	101.0	0.49	0.08	11.5	0.356	1.55	3.0
Q007102		16.2	100.5	<0.002	0.04	13.00	17.1	2	2.0	215	0.62	<0.05	10.6	0.414	1.28	2.8
Q007103		82.1	161.5	0.002	0.02	34.8	16.9	2	2.6	48.9	0.48	<0.05	11.2	0.348	2.59	3.5
Q007104		231	140.5	0.002	0.06	72.2	16.7	2	3.9	66.0	0.55	0.10	12.2	0.392	2.30	3.1
Q007105		106.0	115.5	<0.002	0.03	17.45	18.8	2	2.7	103.0	0.53	0.09	13.4	0.376	1.74	3.9
Q007106		461	157.0	0.004	2.53	25.7	9.1	1	5.7	106.0	0.47	0.25	10.1	0.197	2.05	4.1
Q007107		14.5	107.0	0.002	0.10	6.15	16.5	2	2.4	223	0.49	0.10	9.3	0.371	1.55	3.4
Q007108		14.1	122.5	<0.002	0.07	12.50	17.0	2	1.9	177.5	0.47	0.06	12.1	0.336	1.81	4.6
Q007109		14.7	152.5	<0.002	0.03	15.60	17.6	2	2.0	72.2	0.46	0.05	11.2	0.341	2.47	4.5
Q007110		12.7	98.4	0.002	0.02	7.64	17.1	1	2.0	228	0.57	<0.05	11.8	0.397	1.33	3.3
Q007111		44.5	124.0	0.002	0.02	16.05	18.2	2	2.2	159.5	0.57	0.06	11.8	0.397	1.83	4.8
Q007112		24.7	162.0	<0.002	0.02	79.5	17.7	3	2.1	70.8	0.51	0.12	14.3	0.379	3.37	6.2
Q007113		14.1	112.5	<0.002	0.02	13.35	18.3	2	2.1	94.7	0.54	0.05	13.6	0.388	1.98	5.7
Q007114		15.3	117.0	<0.002	0.01	7.82	21.7	2	2.5	122.5	0.69	0.08	15.9	0.443	1.94	5.7
Q007115		16.1	108.0	<0.002	0.02	12.35	19.7	2	2.4	111.5	0.65	0.06	13.9	0.451	1.80	5.2
Q007116		31.8	125.0	<0.002	0.03	12.60	18.5	2	2.6	124.0	0.46	0.07	14.8	0.379	2.07	4.6
Q007117		1.3	1.1	<0.002	<0.01	0.10	0.2	<1	<0.2	39.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
Q007118		48.8	110.0	<0.002	0.05	5.17	20.7	2	2.2	308	0.49	0.07	13.6	0.393	1.89	4.0
Q007119		2180	126.5	<0.002	0.16	30.3	12.6	2	3.5	82.9	0.30	0.45	9.3	0.157	2.33	8.7
Q007120		133.5	182.0	<0.002	0.01	15.20	7.7	1	1.4	41.7	0.68	<0.05	11.6	0.239	3.08	4.7
Q007121		127.5	126.5	<0.002	0.01	17.60	6.4	1	1.3	107.0	0.61	<0.05	10.6	0.224	2.05	4.1
Q007122		25.9	174.0	<0.002	0.01	8.40	6.5	1	1.3	41.1	0.74	<0.05	11.8	0.229	2.69	3.5
Q007123		46.6	175.5	<0.002	<0.01	7.40	6.5	1	1.3	36.3	0.67	<0.05	11.4	0.228	2.65	3.8
Q007124		17.0	156.5	<0.002	<0.01	7.80	6.1	1	1.4	86.2	0.72	<0.05	11.8	0.234	2.48	4.2
Q007125		58.9	159.0	<0.002	0.01	8.84	6.0	1	1.3	43.0	0.65	<0.05	10.9	0.216	2.70	4.5
Q007126		78.3	154.0	<0.002	0.04	10.10	6.9	1	1.7	74.1	0.61	0.08	10.8	0.240	2.58	5.1
Q007127		59.4	156.0	<0.002	0.02	11.65	7.3	1	1.5	59.0	0.71	<0.05	11.1	0.263	2.95	5.1
Q007128		55.3	167.5	<0.002	0.02	8.65	8.0	1	1.5	54.3	0.70	<0.05	11.1	0.263	3.23	6.3
Q007129		401	162.5	<0.002	0.27	17.10	9.0	3	3.0	120.5	0.40	0.57	8.6	0.200	2.57	7.5
Q007130		140.0	121.5	<0.002	0.12	24.7	18.9	2	2.5	122.0	0.43	0.14	10.6	0.399	2.37	5.9
Q007131		48.5	88.2	<0.002	0.24	5.93	20.6	2	2.0	808	0.47	0.08	11.2	0.455	1.38	3.9
Q007132		22.6	94.6	<0.002	0.11	6.20	17.9	1	1.7	523	0.47	0.05	11.0	0.476	1.34	3.0
Q007133		90.9	88.0	<0.002	0.06	3.06	19.3	2	2.1	477	0.48	0.09	11.1	0.466	1.22	3.2
Q007134		559	135.0	<0.002	0.02	9.11	22.4	2	4.0	187.5	0.54	0.10	13.4	0.501	1.77	5.7
Q007135		18.4	97.2	<0.002	0.06	2.49	20.8	2	2.9	455	0.47	0.12	12.2	0.443	1.35	3.6
Q007136		1015	143.5	<0.002	0.03	43.4	20.8	1	4.0	109.5	0.50	0.08	11.6	0.464	1.93	5.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135206

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q007101		141	8.3	19.9	70	12.9
Q007102		145	5.7	17.1	57	14.1
Q007103		133	4.1	23.9	101	11.8
Q007104		139	7.4	22.2	183	12.1
Q007105		146	9.4	20.6	134	13.1
Q007106		63	4.9	10.9	834	30.4
Q007107		147	4.5	15.0	33	11.5
Q007108		131	2.7	20.5	52	11.7
Q007109		136	4.8	18.6	48	12.2
Q007110		146	5.0	17.4	36	13.6
Q007111		149	3.1	18.6	170	14.5
Q007112		153	4.6	20.2	131	16.2
Q007113		149	7.3	18.8	112	13.9
Q007114		164	7.9	22.1	74	14.9
Q007115		167	11.0	17.5	68	14.8
Q007116		158	4.9	19.8	201	14.0
Q007117		3	0.1	0.7	14	0.5
Q007118		158	3.2	22.4	188	14.2
Q007119		77	3.4	21.3	1100	56.2
Q007120		61	3.7	12.3	300	80.8
Q007121		56	3.8	12.4	269	72.9
Q007122		55	1.9	11.4	127	75.8
Q007123		56	1.6	11.9	194	74.3
Q007124		55	1.8	12.0	134	83.4
Q007125		51	3.4	13.7	229	82.3
Q007126		59	3.0	14.1	274	85.0
Q007127		63	2.5	13.3	137	114.0
Q007128		63	4.2	16.5	382	128.5
Q007129		77	5.4	14.8	744	68.8
Q007130		172	5.9	20.3	739	26.8
Q007131		176	3.7	24.6	432	16.3
Q007132		187	2.9	18.2	355	13.6
Q007133		181	2.3	23.6	177	13.3
Q007134		205	6.9	24.3	261	16.3
Q007135		180	2.3	25.7	88	14.0
Q007136		197	11.1	17.7	434	18.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135206

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2013
Account: ROCKHA

CERTIFICATE WH13135207

Project: KLAZA

P.O. No.: Batch 32

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

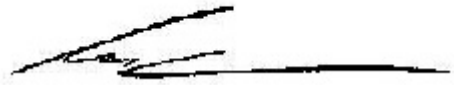
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135207

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q007137		6.65	0.035	0.55	8.21	23.1	2440	1.59	0.26	2.20	1.57	53.0	23.8	19	9.27	139.0
Q007138		5.87	0.032	0.29	9.38	19.4	3390	1.87	0.27	1.54	2.18	65.4	22.5	23	12.90	150.0
Q007139		5.82	0.030	0.16	8.82	14.0	3540	1.73	0.30	1.81	0.92	56.7	18.7	23	9.02	132.0
Q007140		3.92	0.616	0.75	8.39	275	1980	1.46	3.66	1.37	1.66	62.1	14.4	19	8.92	134.5
Q007141		9.09	0.042	0.22	8.52	15.4	2600	1.48	0.44	1.93	0.82	52.2	20.2	20	8.79	131.0
Q007142		6.52	0.038	0.23	9.28	15.2	3010	1.65	0.35	0.81	0.83	59.3	22.2	21	13.10	124.0
Q007143		5.27	0.065	0.29	9.24	42.1	2650	1.50	0.26	0.68	0.82	49.4	22.3	21	12.20	125.0
Q007144		0.24	0.420	4.07	6.71	600	360	1.29	3.17	2.05	10.10	47.7	11.7	24	11.65	313
Q007145		9.95	0.051	0.43	8.18	13.1	2620	1.34	0.18	1.90	0.38	49.3	19.4	17	8.43	180.5
Q007146		5.70	0.073	0.31	8.92	23.3	2500	1.63	0.34	1.46	0.33	54.7	17.3	20	10.70	338
Q007147		6.69	0.073	0.39	8.96	68.6	2330	1.75	0.67	1.09	0.41	57.2	19.7	20	11.35	445
Q007148		4.62	0.043	0.23	8.70	34.3	3530	1.64	0.33	2.15	0.36	58.7	21.8	20	7.72	264
Q007149		4.18	0.042	0.41	9.10	55.3	2670	1.69	0.23	0.96	0.66	66.8	18.6	21	15.90	302
Q007150		2.30	<0.005	0.01	0.07	<5	60	<0.05	0.01	22.1	0.07	1.27	0.7	1	0.18	2.8
Q007151		8.40	0.164	5.48	8.99	105.0	4100	1.84	0.51	0.99	1.23	69.6	18.9	22	16.65	321
Q007152		5.42	0.036	0.31	8.78	60.0	1220	1.43	0.31	0.74	1.00	61.8	15.5	22	13.75	132.0
Q007153		7.74	0.042	0.29	9.08	43.6	1990	1.93	0.32	1.51	0.86	58.4	17.3	22	11.05	146.0
Q007154		4.52	0.108	0.49	9.12	77.3	1770	1.87	0.79	0.91	1.12	58.8	19.1	17	18.35	192.0
Q007155		10.03	0.023	0.19	8.75	32.7	1460	1.69	0.83	1.07	0.62	59.7	11.7	15	16.25	137.5
Q007156		4.71	0.013	0.23	8.76	23.9	850	2.29	0.22	0.49	0.65	81.0	6.9	12	19.70	32.1
Q007157		5.42	0.013	0.18	8.93	23.5	830	1.88	0.24	0.45	0.84	78.2	8.5	12	20.2	29.5
Q007158		5.70	0.015	0.25	8.83	26.4	1780	1.85	0.63	0.57	0.62	58.8	12.7	17	29.7	107.0
Q007159		8.36	0.049	0.43	9.52	66.5	1290	2.18	1.64	0.49	0.88	63.4	19.8	20	33.4	155.0
Q007160		7.74	0.032	0.25	8.56	44.0	1260	2.14	0.52	0.80	0.89	75.8	10.8	16	17.50	49.1
Q007161		7.43	0.302	1.34	8.53	122.0	3470	1.34	1.33	1.19	1.36	55.8	15.4	21	18.00	116.0
Q007162		7.12	0.085	0.93	8.63	86.6	1090	1.79	0.62	0.64	2.40	61.3	16.5	29	20.5	91.7
Q007163		5.51	0.012	0.19	8.16	23.1	920	2.08	0.13	0.66	1.81	67.2	7.3	8	18.80	13.8
Q007164		7.99	0.055	0.47	9.09	67.5	2100	1.71	1.29	0.50	3.87	61.2	18.4	20	24.7	156.0
Q007165		8.96	0.150	1.95	9.04	124.5	4450	1.72	0.67	0.95	4.08	64.9	22.3	19	21.4	160.0
Q007166		4.97	1.725	8.63	8.87	388	4750	1.68	2.27	0.58	4.04	65.1	16.9	17	18.55	237
Q007167		5.07	0.371	3.57	8.79	159.0	3630	2.02	0.80	0.45	4.87	69.4	17.4	17	20.3	172.0
Q007168		6.74	0.082	0.49	8.13	30.3	2610	1.33	0.28	1.54	1.13	47.7	15.7	16	8.76	96.8
Q007169		5.25	0.052	0.42	8.54	61.1	2360	1.69	0.34	1.00	2.57	58.7	17.7	18	14.20	131.0
Q007170		5.90	0.055	0.26	8.38	24.6	2500	1.56	0.35	1.90	1.09	56.3	16.6	16	9.67	131.0
Q007171		4.68	0.213	1.41	8.56	86.5	2650	1.63	0.75	1.07	1.41	56.0	13.8	16	13.75	207
Q007172		6.48	0.111	1.21	8.89	96.2	1750	1.65	1.18	0.93	1.98	60.6	15.2	12	14.85	161.0

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135207

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q007137		5.49	16.50	0.13	0.8	0.043	2.01	27.0	22.2	1.79	807	2.21	1.54	6.9	12.9	1440
Q007138		5.78	18.75	0.14	0.8	0.048	2.35	32.2	24.1	1.25	935	2.85	1.01	7.4	13.5	1600
Q007139		5.12	17.90	0.15	0.8	0.039	2.09	27.5	21.9	1.42	633	2.05	1.21	7.5	12.2	1440
Q007140		7.93	17.80	0.20	0.6	0.063	2.82	38.2	18.3	1.50	360	3.99	1.01	4.6	9.6	1230
Q007141		5.94	17.40	0.15	0.6	0.035	2.18	27.9	22.3	1.94	480	1.76	1.39	6.6	11.4	1490
Q007142		5.34	18.75	0.16	0.8	0.059	2.19	31.5	34.4	1.13	418	2.48	0.36	7.8	11.1	1470
Q007143		5.46	19.10	0.14	0.8	0.050	2.29	23.2	31.7	0.88	611	2.44	0.26	7.9	11.1	1560
Q007144		4.97	14.50	0.12	1.1	0.304	2.97	26.5	24.6	0.76	1860	13.60	0.15	5.8	13.8	520
Q007145		5.11	17.35	0.13	0.9	0.024	2.22	24.3	22.0	1.78	536	1.81	1.73	6.8	9.4	1370
Q007146		5.40	19.05	0.14	1.0	0.042	2.26	27.2	26.8	1.55	436	1.98	1.44	7.1	8.9	1470
Q007147		6.09	19.55	0.14	0.9	0.035	2.39	30.1	28.9	1.26	404	2.13	0.88	7.4	10.6	1370
Q007148		5.64	17.95	0.17	0.8	0.041	2.23	30.3	29.7	1.84	600	1.21	1.55	7.6	12.8	1460
Q007149		5.14	19.15	0.18	0.9	0.027	2.62	34.6	30.3	0.75	644	2.42	0.76	7.4	11.6	1470
Q007150		0.51	0.24	0.07	<0.1	<0.005	0.02	0.6	1.2	13.40	212	<0.05	0.01	0.2	1.7	170
Q007151		5.56	18.75	0.16	0.9	0.048	3.01	34.7	25.3	0.74	1280	3.18	0.85	6.9	11.0	1440
Q007152		4.51	17.70	0.15	1.3	0.027	2.75	29.7	24.6	0.47	979	2.90	0.55	7.6	10.1	1330
Q007153		5.20	18.85	0.15	1.2	0.033	2.34	28.1	33.0	0.99	740	2.96	1.50	8.1	10.5	1420
Q007154		5.92	19.45	0.17	1.1	0.031	2.33	29.0	28.6	0.75	595	3.11	1.09	6.5	11.1	1430
Q007155		4.31	19.00	0.15	1.5	0.034	2.28	29.6	33.7	0.72	493	1.96	1.49	7.4	7.5	1250
Q007156		3.25	19.75	0.18	2.4	0.033	3.15	42.5	44.5	0.34	498	1.76	0.39	11.0	5.7	1130
Q007157		3.38	19.10	0.16	2.2	0.036	3.13	39.1	30.9	0.33	710	1.87	0.88	10.5	6.2	1150
Q007158		4.51	17.75	0.15	1.0	0.045	2.74	29.9	33.5	0.38	481	2.12	1.20	7.7	8.3	1320
Q007159		6.24	19.30	0.17	0.9	0.072	3.11	31.5	38.2	0.39	664	2.98	0.39	6.7	9.9	1450
Q007160		3.91	18.40	0.15	1.8	0.031	2.58	38.4	51.2	0.37	837	2.07	0.54	9.3	7.3	1150
Q007161		5.07	16.55	0.15	0.9	0.072	2.27	31.4	30.1	0.50	642	2.36	1.54	7.4	8.0	1250
Q007162		4.68	17.30	0.17	1.1	0.062	2.45	33.5	34.4	0.31	896	2.72	0.41	8.1	10.5	1280
Q007163		2.99	19.05	0.14	2.3	0.023	2.94	34.3	55.7	0.22	750	1.87	0.17	9.7	4.7	940
Q007164		5.63	18.30	0.15	0.6	0.042	2.32	32.9	34.0	0.53	380	1.76	0.40	6.2	9.6	1230
Q007165		5.35	18.15	0.14	0.7	0.059	2.36	32.4	32.2	0.60	618	2.53	1.04	7.2	10.8	1390
Q007166		5.94	17.45	0.14	0.7	0.109	2.69	36.3	30.4	0.47	483	4.29	0.41	7.0	9.5	1320
Q007167		5.07	16.80	0.17	0.7	0.038	2.61	34.7	37.8	0.40	840	4.14	0.23	6.9	9.4	1280
Q007168		4.46	15.10	0.14	0.7	0.011	2.56	22.6	24.4	1.28	435	1.60	1.64	6.7	7.7	1230
Q007169		5.00	17.30	0.15	0.7	0.044	2.55	28.6	41.9	0.59	705	2.93	0.93	7.6	9.8	1330
Q007170		5.10	17.65	0.14	0.8	0.038	2.48	28.0	23.1	1.49	552	2.11	1.73	7.4	8.5	1300
Q007171		4.97	17.30	0.15	0.9	0.046	2.48	30.0	22.2	0.83	414	2.73	1.10	6.6	6.4	1260
Q007172		5.37	19.90	0.15	1.3	0.068	2.19	33.2	30.9	0.73	508	3.02	1.20	5.8	6.0	1190

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135207

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q007137		197.0	68.7	<0.002	0.02	3.16	21.4	1	1.8	457	0.47	0.09	9.6	0.417	1.38	3.0
Q007138		16.8	102.0	<0.002	0.04	11.85	21.2	2	1.8	331	0.50	0.10	11.6	0.473	1.48	3.8
Q007139		15.8	93.7	<0.002	0.05	5.40	18.8	1	1.9	392	0.50	0.05	11.4	0.442	1.32	2.9
Q007140		26.6	141.0	<0.002	0.09	3.24	21.5	2	8.5	296	0.32	0.35	11.1	0.309	1.62	6.1
Q007141		15.1	90.6	<0.002	0.03	2.25	19.9	2	2.7	374	0.43	0.10	9.6	0.416	1.42	3.5
Q007142		14.0	101.0	<0.002	0.05	6.42	21.5	2	2.0	162.0	0.49	0.12	11.8	0.471	1.41	4.1
Q007143		20.8	100.5	<0.002	0.03	12.15	20.4	2	2.0	144.5	0.52	0.15	11.1	0.476	1.57	4.4
Q007144		477	160.0	0.004	2.64	26.0	8.4	<1	5.1	102.5	0.47	0.25	10.4	0.204	2.26	4.7
Q007145		16.9	79.6	<0.002	0.03	2.41	18.6	2	1.8	426	0.44	0.06	9.1	0.440	1.36	4.1
Q007146		14.4	109.0	<0.002	0.03	4.82	20.2	1	2.7	330	0.47	0.08	10.6	0.447	1.49	3.2
Q007147		23.4	112.0	<0.002	0.02	10.10	20.6	2	3.4	237	0.49	0.13	11.7	0.431	1.52	4.6
Q007148		14.8	88.2	<0.002	0.04	2.38	20.0	1	2.0	449	0.49	0.09	11.0	0.450	1.37	3.1
Q007149		14.5	135.0	<0.002	0.05	14.60	20.0	2	2.5	227	0.48	0.07	12.5	0.429	2.02	4.7
Q007150		1.1	1.2	<0.002	0.01	0.11	0.2	<1	<0.2	53.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
Q007151		63.5	169.0	<0.002	0.09	23.0	20.1	2	2.6	295	0.48	0.12	12.8	0.412	2.54	4.9
Q007152		41.9	133.0	<0.002	0.02	21.1	15.6	1	1.9	145.5	0.54	0.08	11.8	0.396	1.95	4.6
Q007153		49.5	108.0	<0.002	0.03	9.72	17.5	1	2.3	336	0.53	0.06	11.1	0.467	1.45	3.6
Q007154		48.8	127.0	<0.002	0.03	11.70	21.0	2	5.2	224	0.41	0.10	10.3	0.445	1.57	4.7
Q007155		26.5	107.0	<0.002	0.03	7.16	17.2	1	4.7	269	0.49	0.06	9.0	0.470	1.42	3.8
Q007156		34.4	138.0	<0.002	<0.01	11.15	8.6	1	2.3	104.0	0.78	<0.05	12.1	0.312	1.72	4.9
Q007157		26.7	138.5	<0.002	<0.01	8.01	9.1	1	3.3	118.0	0.72	<0.05	11.9	0.325	1.80	4.8
Q007158		20.7	130.5	<0.002	0.03	10.80	16.6	1	5.9	233	0.53	0.05	10.9	0.413	1.71	3.2
Q007159		40.6	148.5	<0.002	0.02	22.3	19.9	1	5.3	102.0	0.47	0.05	12.2	0.413	1.81	4.5
Q007160		49.7	117.0	<0.002	0.02	13.05	11.7	1	2.0	141.0	0.66	0.08	11.4	0.353	1.53	4.4
Q007161		171.0	107.0	0.002	0.10	11.05	16.2	1	3.4	413	0.49	0.08	10.1	0.431	1.22	3.0
Q007162		130.0	112.5	<0.002	0.03	27.1	16.6	1	2.2	128.5	0.54	0.07	10.4	0.435	1.61	4.1
Q007163		17.2	131.0	<0.002	0.01	8.57	6.3	1	1.4	60.8	0.71	<0.05	10.0	0.325	1.82	5.0
Q007164		38.4	117.5	<0.002	0.05	19.65	18.3	1	3.8	145.5	0.42	0.11	12.2	0.395	1.61	6.3
Q007165		459	115.5	<0.002	0.09	20.5	18.4	1	4.6	309	0.47	0.07	12.0	0.420	1.47	5.2
Q007166		509	142.0	<0.002	0.12	65.6	18.0	2	6.5	227	0.48	0.16	12.7	0.380	1.58	5.2
Q007167		355	129.5	<0.002	0.09	41.1	17.4	1	3.0	186.5	0.47	0.12	12.2	0.370	1.82	4.9
Q007168		42.7	91.1	<0.002	0.03	5.36	14.8	1	1.9	361	0.44	0.05	9.7	0.379	1.27	2.6
Q007169		50.2	107.5	<0.002	0.03	16.80	16.8	<1	2.0	245	0.49	0.11	11.5	0.410	1.40	4.2
Q007170		25.2	98.0	<0.002	0.15	3.81	17.3	1	2.5	406	0.51	0.11	11.2	0.397	1.42	3.6
Q007171		362	119.5	<0.002	0.06	19.70	17.1	2	3.3	281	0.47	0.14	11.1	0.370	1.64	4.1
Q007172		258	117.5	<0.002	0.04	13.85	18.4	2	3.8	265	0.38	0.10	9.1	0.385	1.81	4.7

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135207

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q007137		174	2.1	23.1	139	15.7
Q007138		199	1.7	22.0	124	14.0
Q007139		185	2.1	18.9	83	16.0
Q007140		177	2.5	24.7	63	11.7
Q007141		182	1.8	21.7	76	12.1
Q007142		198	6.7	22.6	57	14.3
Q007143		192	3.1	19.6	58	14.5
Q007144		66	5.3	11.1	892	27.0
Q007145		177	2.8	20.6	43	21.0
Q007146		188	2.9	19.2	47	19.8
Q007147		177	3.4	20.5	48	17.0
Q007148		177	1.8	22.6	48	14.4
Q007149		181	3.9	21.6	66	17.1
Q007150		3	0.1	0.8	20	<0.5
Q007151		180	5.1	21.2	109	18.4
Q007152		151	4.1	16.2	119	39.2
Q007153		170	3.6	17.8	101	31.5
Q007154		186	3.9	20.8	124	28.7
Q007155		163	3.3	17.6	97	42.5
Q007156		67	1.8	15.0	121	71.5
Q007157		78	2.1	14.0	115	64.1
Q007158		150	2.3	14.7	125	23.4
Q007159		179	2.4	18.6	146	18.7
Q007160		104	2.4	16.8	122	45.7
Q007161		156	2.7	20.0	140	20.7
Q007162		154	4.0	20.6	146	26.6
Q007163		55	2.5	14.5	102	65.7
Q007164		176	2.7	20.2	141	12.8
Q007165		171	2.7	21.0	221	12.6
Q007166		159	5.2	19.5	154	12.3
Q007167		162	5.1	19.4	127	12.6
Q007168		153	2.5	15.2	75	12.7
Q007169		163	2.9	19.0	135	15.3
Q007170		155	2.1	20.0	82	15.4
Q007171		154	3.0	19.4	188	25.0
Q007172		168	5.8	22.0	213	36.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135207

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2013
Account: ROCKHA

CERTIFICATE WH13135208

Project: KLAZA

P.O. No.: Batch 33

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Finalized Date: 11- AUG- 2013
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CERTIFICATE OF ANALYSIS WH13135208

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q007173		5.92	1.825	15.75	8.40	549	1490	1.80	5.60	0.93	2.94	71.2	13.3	19	15.20	343
Q007174		5.83	0.156	0.91	8.90	79.4	1060	1.61	1.18	1.34	1.46	49.5	15.6	12	17.95	127.5
Q007175		4.55	0.117	0.85	9.07	54.9	990	1.56	2.24	0.90	1.95	45.3	13.1	12	25.9	110.5
Q007176		10.38	0.079	0.70	8.87	59.4	1820	2.04	1.24	0.45	3.04	53.3	12.8	14	28.2	88.2
Q007177		8.07	0.013	0.23	8.14	26.7	1580	1.97	0.24	0.73	2.12	70.9	5.5	15	16.65	20.8
Q007178		4.97	0.011	0.16	7.98	29.8	2010	1.99	0.22	0.67	1.79	73.9	6.2	16	12.80	19.2
Q007179		6.12	0.006	0.12	8.37	12.6	1290	2.21	0.15	0.40	2.19	74.0	4.6	11	16.40	11.9
Q007180		4.77	0.006	0.13	8.56	12.8	1190	2.26	0.12	0.35	3.74	73.8	4.5	12	25.3	10.9
Q007181		5.37	0.007	0.16	8.79	14.7	3400	2.26	0.34	0.34	2.85	74.9	6.5	14	24.7	22.7
Q007182		4.72	0.365	0.85	8.15	203	1230	2.16	0.98	0.19	5.08	48.1	10.6	8	31.0	68.3
Q007183		9.68	0.021	0.34	8.51	43.4	1990	2.24	0.39	0.35	5.03	70.9	7.1	15	22.0	27.0
Q007184		0.26	0.876	9.58	6.46	1550	140	1.12	10.95	1.91	26.2	36.1	14.6	19	11.50	277
Q007185		5.01	0.408	3.13	8.37	212	2510	2.18	2.32	0.39	9.89	81.6	8.9	15	18.40	76.0
Q007186		5.19	0.049	0.82	9.19	57.4	2280	1.59	0.34	0.47	5.06	39.9	13.5	17	15.10	110.0
Q007187		5.14	2.06	14.80	8.96	440	2130	1.52	4.25	0.42	4.85	37.7	10.1	18	14.45	250
Q007188		6.00	1.670	25.0	9.10	382	6080	1.81	9.04	0.94	6.01	55.9	16.7	16	20.3	213
Q007189		5.15	1.150	18.80	8.93	281	3140	1.82	7.26	1.27	3.92	52.3	18.1	16	17.20	289
Q007190		5.73	3.98	25.6	8.56	887	7890	1.72	20.2	0.41	6.20	57.9	14.5	15	19.50	620
Q007191		5.35	0.639	6.15	8.75	369	2530	1.90	2.68	0.29	5.17	54.6	14.3	17	20.5	425
Q007192		5.15	0.726	4.66	9.06	243	3880	1.84	1.04	0.58	4.16	56.4	12.8	18	19.25	169.0
Q007193		2.68	0.007	0.06	0.12	<5	50	0.08	0.06	21.9	0.09	1.59	0.8	1	0.35	4.6
Q007194		6.88	0.054	0.80	8.74	32.8	3670	1.63	0.53	1.76	2.71	51.4	20.1	17	12.45	101.0
Q007195		5.21	0.779	4.06	8.96	243	6280	1.67	2.47	0.97	3.87	57.3	15.2	16	17.45	153.0
Q007196		4.52	0.681	7.42	9.23	266	1290	1.88	5.53	0.35	4.99	52.0	12.1	17	25.9	174.5
Q007197		5.40	0.916	2.09	8.90	192.5	1310	1.90	0.37	0.33	5.38	50.7	17.7	17	22.8	113.0
Q007198		6.98	0.116	1.41	9.19	100.0	3910	1.70	0.43	1.54	3.16	60.4	15.7	17	17.00	89.3
Q007199		4.70	0.324	5.93	9.04	237	6880	1.81	5.46	0.44	5.86	61.9	18.5	16	25.6	144.5
Q007200		6.14	0.021	0.36	8.77	20.7	2720	1.79	0.26	1.98	1.75	66.3	17.0	16	10.70	75.7
Q007201		5.27	0.444	5.76	8.66	269	1760	1.91	2.05	0.78	3.50	56.3	7.2	16	18.25	123.0
Q007202		6.02	0.018	0.30	8.52	15.9	2600	1.69	0.19	2.02	1.85	57.7	15.7	15	9.94	48.2
Q007203		4.10	0.033	0.66	8.50	25.9	1580	1.48	0.25	0.62	2.19	50.6	15.1	18	29.9	64.2
Q007204		6.53	0.039	0.32	8.16	22.6	2290	1.50	0.27	1.61	1.62	49.7	16.8	16	10.40	72.2
Q007205		6.63	0.020	0.45	8.74	43.4	4700	1.61	0.26	0.45	2.28	49.5	21.3	16	23.8	102.5
Q007206		4.92	0.023	0.41	8.38	37.5	2460	1.75	0.21	1.24	2.85	60.8	19.1	17	12.10	131.0
Q007207		6.98	0.029	0.55	7.91	33.8	2380	1.71	0.29	2.07	1.87	64.5	21.5	17	12.65	115.5
Q007208		4.07	0.067	0.53	8.30	69.8	2710	1.54	0.75	1.38	2.16	49.8	15.4	16	11.85	103.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135208

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q007173		6.90	18.50	0.15	1.3	0.277	2.59	39.5	27.0	0.70	746	5.51	0.89	6.6	7.2	1100
Q007174		5.28	20.1	0.11	1.2	0.056	2.07	25.1	29.3	0.94	546	1.78	1.81	5.4	5.4	1030
Q007175		5.62	19.45	0.11	1.3	0.042	2.11	23.2	30.0	0.71	441	2.25	1.43	4.7	4.4	1000
Q007176		4.49	19.85	0.12	2.0	0.168	2.44	26.1	69.6	0.32	922	2.81	0.30	8.0	6.1	1120
Q007177		2.77	18.25	0.13	1.8	0.039	2.51	36.3	54.8	0.34	649	1.46	0.58	11.5	5.9	1050
Q007178		2.73	18.35	0.12	1.8	0.031	2.52	38.0	40.5	0.31	788	2.08	0.51	11.9	6.4	1050
Q007179		2.57	19.00	0.13	1.9	0.026	2.79	38.7	46.9	0.24	631	2.16	0.16	11.1	4.6	1110
Q007180		2.59	19.95	0.14	2.5	0.024	3.08	37.5	44.6	0.23	637	2.20	0.07	13.2	5.1	1250
Q007181		3.09	20.3	0.12	3.2	0.025	2.88	39.3	40.4	0.24	503	2.05	0.05	12.6	7.7	1260
Q007182		4.47	19.80	0.14	1.7	0.045	2.86	25.7	31.7	0.27	454	4.19	0.05	7.2	4.8	940
Q007183		2.77	19.95	0.12	2.9	0.037	2.82	35.4	47.4	0.23	842	2.84	0.08	13.0	9.1	1240
Q007184		6.67	12.30	0.09	0.9	0.616	2.91	18.8	16.4	0.79	1820	6.73	0.12	5.4	10.0	540
Q007185		4.14	18.90	0.14	2.8	0.057	2.50	47.3	47.6	0.29	1240	4.42	0.17	12.4	8.8	1210
Q007186		4.98	18.60	0.13	0.9	0.041	2.49	20.6	44.5	0.45	467	2.12	0.20	8.3	7.5	1450
Q007187		6.06	17.75	0.13	0.7	0.109	3.51	19.9	32.2	0.42	266	2.90	0.18	6.3	5.7	1430
Q007188		6.32	19.30	0.14	0.8	1.055	2.81	34.0	30.3	0.97	440	1.72	0.83	7.5	8.5	1430
Q007189		6.15	18.15	0.15	0.7	0.260	2.48	33.7	31.9	1.35	430	1.65	1.32	6.3	13.8	1390
Q007190		8.70	17.15	0.15	0.6	0.922	3.17	37.5	30.2	0.41	260	4.00	0.62	4.6	5.8	1380
Q007191		7.17	16.90	0.16	0.7	0.335	3.52	32.8	41.2	0.38	304	5.13	0.25	4.4	5.1	1340
Q007192		6.54	18.40	0.14	0.7	0.354	3.31	32.0	32.0	0.73	372	3.11	0.59	6.7	6.5	1240
Q007193		0.51	0.28	<0.05	<0.1	<0.005	0.05	0.8	1.6	13.80	206	0.08	0.01	0.4	1.7	220
Q007194		5.53	17.45	0.12	0.8	0.040	2.74	26.3	27.1	1.47	773	1.58	1.67	8.2	8.4	1340
Q007195		6.05	17.90	0.13	0.7	0.151	3.16	34.1	22.7	0.80	452	2.38	0.71	7.7	6.9	1300
Q007196		6.28	18.35	0.15	0.8	0.293	3.71	29.8	22.5	0.36	497	4.15	0.08	8.1	6.0	1380
Q007197		6.69	18.75	0.15	0.8	0.214	3.72	28.0	18.1	0.42	509	4.05	0.07	7.5	8.0	1280
Q007198		5.40	17.85	0.13	0.8	0.058	3.07	32.8	24.6	0.96	626	2.24	1.32	8.3	8.4	1390
Q007199		6.17	18.40	0.14	0.8	0.191	3.16	33.2	27.3	0.44	657	4.50	0.19	7.5	7.1	1310
Q007200		5.12	17.85	0.14	0.7	0.021	2.70	34.9	22.7	1.89	558	1.79	1.72	7.8	8.1	1350
Q007201		7.41	18.05	0.14	0.7	0.341	3.59	34.1	17.2	0.86	192	5.77	0.66	5.9	5.2	1300
Q007202		4.73	16.20	0.13	0.7	0.015	2.60	31.1	19.6	1.76	651	2.94	1.77	7.6	7.9	1260
Q007203		4.80	15.65	0.12	0.7	0.017	3.17	27.4	16.6	0.68	209	3.66	0.87	6.4	6.2	1100
Q007204		5.24	15.00	0.11	0.7	0.026	2.57	25.6	17.9	1.51	442	2.95	1.46	6.5	6.7	1220
Q007205		5.14	16.75	0.12	0.7	0.013	2.51	27.0	23.8	0.74	239	4.10	0.56	7.3	7.8	1050
Q007206		4.91	14.15	0.13	0.6	0.010	2.60	30.3	19.3	1.49	755	2.71	1.11	6.0	9.9	1180
Q007207		5.77	16.80	0.14	0.7	0.029	2.42	33.0	18.7	1.55	668	2.44	1.58	7.4	9.7	1300
Q007208		6.60	15.80	0.11	0.6	0.032	2.68	30.3	20.6	1.45	413	5.03	1.10	6.5	8.1	1190

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135208

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q007173		533	144.0	<0.002	0.06	25.6	15.4	2	12.1	212	0.44	0.15	10.2	0.328	1.81	6.2
Q007174		219	97.4	<0.002	0.04	6.77	16.8	2	4.7	311	0.35	0.09	6.2	0.359	1.37	3.5
Q007175		128.5	92.1	<0.002	0.03	7.05	16.8	2	3.6	232	0.32	0.09	5.8	0.358	1.43	4.3
Q007176		158.5	106.5	<0.002	0.05	17.00	12.9	2	3.0	135.5	0.54	0.07	9.1	0.350	1.75	6.0
Q007177		33.6	103.0	<0.002	0.03	6.70	7.4	1	1.6	134.0	0.89	0.09	12.1	0.297	1.34	4.5
Q007178		33.6	103.0	<0.002	0.03	7.26	6.9	1	1.3	117.5	0.77	0.08	12.0	0.308	1.25	4.0
Q007179		26.9	111.0	<0.002	0.01	7.34	5.8	1	1.3	50.6	0.77	<0.05	12.2	0.293	1.43	4.4
Q007180		19.7	126.5	<0.002	0.01	8.82	6.2	1	1.3	37.3	0.86	<0.05	12.5	0.315	1.68	5.8
Q007181		16.5	120.0	<0.002	0.07	12.20	8.4	1	2.0	54.3	0.78	<0.05	12.2	0.355	1.77	5.4
Q007182		78.1	142.0	<0.002	0.03	13.00	14.2	2	10.3	56.9	0.48	0.05	7.9	0.356	1.76	5.7
Q007183		47.7	110.5	<0.002	0.03	8.49	6.6	1	1.8	53.5	0.82	0.07	12.4	0.316	1.64	5.6
Q007184		1310	137.0	<0.002	4.57	55.5	7.6	2	6.3	83.3	0.44	0.91	9.7	0.212	2.05	4.3
Q007185		194.0	100.5	<0.002	0.07	14.70	9.2	2	2.6	91.5	0.78	0.48	13.5	0.344	1.46	7.3
Q007186		112.5	102.0	<0.002	0.02	19.00	20.2	2	2.4	172.5	0.56	0.09	12.7	0.449	1.47	5.6
Q007187		1755	160.5	<0.002	0.03	65.6	18.7	2	11.0	112.5	0.42	0.07	11.8	0.379	1.85	6.9
Q007188		1130	133.5	<0.002	0.16	54.6	20.9	2	9.5	390	0.48	0.12	13.7	0.415	1.72	6.1
Q007189		704	118.0	<0.002	0.08	25.8	20.1	2	5.8	301	0.41	0.07	13.2	0.379	1.73	4.9
Q007190		2620	138.0	<0.002	0.25	51.8	18.5	3	10.2	366	0.33	0.33	14.5	0.327	2.08	9.5
Q007191		1335	180.5	<0.002	0.09	34.9	19.1	2	12.0	126.0	0.33	0.09	13.3	0.316	2.41	9.1
Q007192		1210	156.5	<0.002	0.12	15.60	20.1	2	7.5	233	0.45	0.10	14.2	0.401	2.40	7.3
Q007193		8.8	2.3	<0.002	0.01	0.20	0.3	<1	0.2	49.7	<0.05	<0.05	0.2	0.006	0.03	0.6
Q007194		300	99.1	<0.002	0.06	3.25	19.5	2	1.9	458	0.55	0.11	14.7	0.429	1.37	4.7
Q007195		585	145.5	<0.002	0.13	12.45	19.4	2	7.3	331	0.52	0.12	13.9	0.420	1.90	7.1
Q007196		1100	169.0	<0.002	0.07	30.2	20.0	2	5.1	80.0	0.57	0.20	13.7	0.421	2.56	9.2
Q007197		771	178.0	<0.002	0.04	15.20	21.1	3	4.3	82.6	0.49	0.13	13.3	0.396	2.73	10.2
Q007198		510	130.5	<0.002	0.08	12.15	19.8	2	3.4	413	0.56	0.09	14.2	0.448	1.72	5.2
Q007199		1165	161.0	<0.002	0.23	32.3	19.8	2	5.8	259	0.52	0.15	14.2	0.412	2.44	9.9
Q007200		110.5	104.0	<0.002	0.03	1.82	20.7	2	2.0	428	0.51	0.06	14.7	0.417	1.58	4.1
Q007201		945	187.0	<0.002	0.07	11.30	19.1	2	12.3	168.0	0.38	0.51	14.4	0.330	2.46	10.2
Q007202		43.5	96.6	<0.002	0.03	1.46	18.2	2	1.7	433	0.53	0.07	13.6	0.403	1.41	4.4
Q007203		160.5	147.0	<0.002	0.04	3.21	18.8	2	2.5	159.5	0.43	0.05	14.1	0.359	1.93	6.3
Q007204		35.7	89.2	<0.002	0.03	1.70	19.1	2	2.0	368	0.44	0.06	13.1	0.385	1.40	6.1
Q007205		39.5	116.0	<0.002	0.12	5.12	19.9	2	2.0	256	0.49	0.07	13.8	0.392	1.58	6.8
Q007206		71.1	99.4	<0.002	0.02	1.90	19.4	2	2.4	278	0.39	0.05	11.9	0.350	1.52	5.6
Q007207		131.5	100.5	<0.002	0.05	2.47	22.3	2	2.0	409	0.48	0.07	13.4	0.411	1.47	6.3
Q007208		35.6	113.0	<0.002	0.09	1.61	18.9	2	3.6	325	0.44	0.07	13.3	0.365	1.45	7.3

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Finalized Date: 11- AUG- 2013
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135208

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
Q007173		131	4.8	21.7	261	37.4
Q007174		143	2.4	20.6	216	40.9
Q007175		146	2.1	20.4	304	42.3
Q007176		113	3.3	18.5	326	69.1
Q007177		60	2.0	13.1	176	50.4
Q007178		58	1.6	12.4	159	50.4
Q007179		51	1.4	10.1	187	51.5
Q007180		54	2.2	11.9	223	74.0
Q007181		77	3.3	14.6	213	112.5
Q007182		126	6.7	15.6	214	52.5
Q007183		56	1.7	12.1	305	91.7
Q007184		65	4.9	9.8	2370	26.0
Q007185		74	2.1	18.4	475	90.9
Q007186		174	5.0	19.4	349	19.3
Q007187		171	6.1	18.1	432	13.5
Q007188		169	4.6	24.0	576	18.2
Q007189		168	3.1	23.6	472	13.0
Q007190		160	3.3	22.8	977	12.3
Q007191		164	5.3	20.7	771	13.5
Q007192		176	4.8	20.5	921	14.3
Q007193		4	0.1	1.0	20	0.6
Q007194		168	3.0	19.8	454	14.9
Q007195		166	3.6	23.1	627	13.1
Q007196		172	9.8	21.7	755	15.4
Q007197		172	6.8	24.8	846	15.4
Q007198		176	3.0	22.8	421	13.7
Q007199		174	4.3	22.5	688	14.1
Q007200		169	2.5	24.8	263	13.0
Q007201		163	7.7	20.6	585	13.3
Q007202		156	2.2	23.3	190	12.8
Q007203		159	4.2	18.8	270	13.4
Q007204		166	2.6	21.7	191	11.3
Q007205		169	3.1	20.2	231	13.2
Q007206		170	5.8	22.2	222	11.9
Q007207		173	2.8	26.6	204	12.5
Q007208		157	2.9	22.6	274	11.7

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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135208

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

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VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2013
Account: ROCKHA

CERTIFICATE WH13135209

Project: KLAZA

P.O. No.: Batch 34

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH13135209

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q007209		6.43	0.027	0.47	8.55	28.8	2730	1.62	0.36	1.98	1.94	58.3	17.4	18	13.05	112.5
Q007210		4.76	0.050	2.47	9.07	106.5	790	1.70	0.49	0.18	3.65	50.1	10.3	17	24.6	176.5
Q007211		4.25	0.245	6.15	8.24	186.0	730	1.59	2.62	0.12	4.31	56.5	10.4	16	17.75	192.5
Q007212		6.87	0.028	0.67	8.69	34.1	2530	1.64	0.35	1.69	3.38	54.7	26.9	18	12.60	147.5
Q007213		4.36	0.028	1.13	9.04	62.3	2030	1.77	0.79	0.65	3.21	55.6	16.1	18	29.6	158.5
Q007214		5.81	0.024	0.61	8.74	32.8	2190	1.67	0.29	1.86	2.32	51.1	29.2	17	12.25	173.0
Q007215		5.86	0.071	2.43	8.79	107.5	4060	1.70	0.74	0.49	6.74	62.4	32.8	21	17.95	281
Q007216		4.50	0.023	0.41	8.72	22.9	5130	1.67	0.20	1.63	1.70	54.0	20.9	14	12.15	175.0
Q007217		6.69	0.056	0.50	8.68	29.9	1950	1.70	0.38	1.16	1.82	50.0	18.3	20	14.10	256
Q007218		4.72	0.056	0.61	8.85	32.5	3060	1.75	0.23	1.21	2.35	48.4	28.6	17	17.05	281
Q007219		5.18	0.083	4.29	8.40	125.0	1210	1.48	0.98	0.22	4.35	50.5	9.5	14	29.9	287
Q007220		6.57	0.062	3.14	8.43	83.0	1190	1.52	1.44	0.25	5.04	54.3	57.8	15	33.7	236
Q007221		5.15	0.235	0.95	9.19	84.1	1530	1.85	0.22	0.36	7.75	45.5	85.5	18	32.5	347
Q007222		5.56	0.057	1.11	9.01	53.8	1260	1.77	0.79	0.29	7.38	63.0	37.8	18	31.4	396
Q007223		6.25	0.064	0.88	8.69	67.0	1910	1.89	0.59	0.69	2.60	64.4	22.5	69	16.55	800
Q007224		6.18	0.233	1.45	8.59	194.5	1570	1.67	0.80	0.36	3.11	46.9	12.5	100	31.1	1120
Q007225		4.52	0.043	0.70	8.92	18.1	1620	1.52	0.53	1.77	1.54	50.5	16.7	88	19.00	670
Q007226		5.70	0.091	1.14	8.36	27.9	1370	1.47	0.82	0.79	2.04	41.0	12.0	47	16.10	800
Q007227		0.23	0.910	10.60	6.54	1530	870	1.26	9.99	1.86	30.5	41.4	16.1	18	12.25	292
Q007228		5.63	0.055	1.05	7.80	18.9	1360	1.47	0.98	0.45	0.90	31.4	7.6	59	13.40	672
Q007229		4.21	0.049	1.05	7.83	16.8	1580	1.37	1.14	0.60	0.62	31.4	7.9	61	6.37	489
Q007230		4.93	0.031	0.61	8.11	20.2	1300	1.42	0.50	0.27	0.88	32.7	8.4	63	11.85	443
Q007231		6.73	0.031	0.58	7.72	14.2	1500	1.35	0.67	0.89	0.47	34.4	7.7	58	4.88	439
Q007232		4.93	0.056	0.88	7.71	11.6	1550	1.45	0.88	0.64	0.53	29.5	6.2	58	5.35	564
Q007233		7.35	0.084	1.32	7.92	14.8	1520	1.51	1.22	0.53	0.55	33.5	9.1	61	7.72	712
Q007234		5.51	0.077	1.39	7.82	9.3	1600	1.47	1.00	0.81	0.37	26.6	4.4	58	4.22	532
Q007235		5.71	0.084	1.14	8.02	11.4	1500	1.39	0.82	0.37	0.63	30.3	5.7	62	8.53	891
Q007236		1.95	<0.005	0.02	0.07	<5	30	<0.05	0.03	20.8	0.08	1.09	0.6	1	0.13	4.5
Q007237		5.29	0.043	1.62	7.53	10.3	1580	1.36	0.90	0.75	0.53	30.2	9.9	74	4.25	766
Q007238		5.71	0.248	4.53	7.77	32.2	1320	1.32	3.17	0.21	0.91	36.7	5.6	58	12.25	1090
Q007239		5.34	0.371	3.92	7.58	27.9	1350	1.44	6.43	0.42	0.79	33.2	4.6	57	8.45	1090
Q007240		5.52	0.046	0.48	7.87	11.7	1400	1.27	0.52	0.53	1.00	30.6	15.7	66	5.61	586
Q007241		7.44	0.111	1.00	7.47	47.6	1190	1.56	0.69	0.23	1.34	34.0	7.3	57	18.25	629
Q007242		5.77	0.103	2.55	7.68	24.1	1750	1.38	3.65	0.25	1.25	30.4	5.2	60	8.07	715
Q007243		6.77	0.056	0.80	7.73	27.2	1850	1.33	1.25	0.27	2.14	30.7	29.3	61	8.34	786
Q007244		6.48	0.110	1.38	7.73	27.4	1540	1.52	1.29	0.38	1.35	34.5	6.1	60	11.75	551

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135209

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q007209		5.54	16.65	0.14	0.7	0.039	2.55	31.6	18.0	1.49	666	2.90	1.55	7.1	8.9	1380
Q007210		6.13	15.90	0.21	0.7	0.063	3.89	29.4	10.8	0.40	267	5.26	0.11	5.1	4.7	1040
Q007211		7.37	16.00	0.22	0.6	0.547	3.90	34.3	7.3	0.46	373	6.84	0.10	3.9	4.2	1050
Q007212		6.10	15.65	0.19	0.7	0.054	2.55	28.1	20.3	1.66	835	2.95	1.31	5.9	10.3	1320
Q007213		5.26	17.00	0.20	0.7	0.047	3.28	29.4	13.8	0.66	328	3.79	0.64	6.6	6.6	1220
Q007214		5.67	16.15	0.18	0.6	0.027	2.33	25.4	19.7	1.48	613	2.87	1.46	6.2	10.0	1360
Q007215		5.98	16.35	0.19	0.6	0.144	2.26	32.9	36.3	0.48	1940	7.18	0.32	5.9	11.5	1360
Q007216		4.80	15.95	0.19	0.6	0.023	2.40	28.3	22.3	1.37	610	2.60	1.40	7.3	8.8	1240
Q007217		5.62	15.05	0.18	0.4	0.012	2.54	26.7	24.2	1.50	611	10.55	1.22	5.8	9.4	1110
Q007218		5.46	16.20	0.18	0.6	0.022	2.50	25.4	22.8	1.10	632	6.47	1.27	6.3	10.3	1230
Q007219		5.30	14.70	0.22	0.6	0.015	3.57	34.7	11.5	0.39	1120	45.9	0.10	4.7	6.1	1140
Q007220		5.07	14.90	0.18	0.7	0.075	3.01	34.0	23.7	0.36	2960	25.1	0.08	5.2	7.2	1080
Q007221		5.80	17.10	0.19	0.7	0.015	2.97	25.9	24.3	0.50	4090	35.5	0.08	6.3	10.0	1280
Q007222		5.08	16.05	0.19	0.7	0.010	2.21	33.1	34.1	0.33	2180	37.2	0.05	6.1	11.3	1160
Q007223		4.23	18.65	0.17	2.1	0.077	2.53	28.3	25.3	0.98	1480	18.60	1.63	8.5	20.5	1250
Q007224		4.74	17.55	0.19	0.6	0.133	3.01	25.3	20.3	0.75	941	24.9	0.51	6.4	22.8	1080
Q007225		4.73	19.50	0.18	0.7	0.074	2.31	25.3	22.5	1.80	846	13.75	1.99	7.3	28.5	1070
Q007226		4.36	17.45	0.18	0.7	0.122	2.96	21.4	16.5	0.91	1060	15.75	0.98	6.3	14.7	910
Q007227		6.46	13.35	0.18	1.0	0.763	2.90	22.1	18.2	0.76	1780	8.04	0.12	5.9	11.2	530
Q007228		3.69	15.95	0.17	0.7	0.189	3.61	15.6	13.1	0.74	254	20.3	1.69	6.0	12.6	640
Q007229		3.23	14.40	0.17	0.7	0.088	3.73	14.9	14.6	0.97	245	14.80	1.79	6.6	13.9	660
Q007230		2.88	16.40	0.17	0.8	0.066	3.30	15.9	16.4	0.32	259	15.85	1.01	7.9	13.8	630
Q007231		3.09	15.05	0.15	0.8	0.041	3.03	17.0	13.1	1.19	223	13.95	2.08	7.3	15.9	620
Q007232		3.37	15.70	0.18	0.8	0.072	3.53	15.0	14.2	1.20	165	17.75	1.90	6.6	13.8	630
Q007233		3.36	16.30	0.18	1.0	0.158	3.27	16.7	13.6	0.92	215	21.0	1.70	7.2	14.6	670
Q007234		3.61	16.45	0.16	0.8	0.194	3.41	14.6	13.3	1.24	170	14.00	2.02	7.0	14.8	650
Q007235		3.42	15.60	0.17	0.8	0.200	3.63	15.4	14.5	0.90	205	23.1	1.34	6.7	12.5	630
Q007236		0.46	0.15	0.10	<0.1	<0.005	0.02	0.5	1.1	12.55	198	0.24	0.01	0.1	1.7	180
Q007237		3.95	15.80	0.17	0.8	0.115	3.13	14.4	11.8	1.12	330	18.85	1.89	7.0	16.8	640
Q007238		3.79	16.45	0.20	0.8	0.165	3.98	17.8	9.9	0.49	530	26.6	0.93	6.3	9.3	550
Q007239		4.24	15.95	0.17	0.8	0.195	3.69	18.1	12.3	0.96	328	19.15	1.21	5.7	12.8	640
Q007240		2.94	15.30	0.17	0.9	0.054	2.98	13.8	13.5	0.62	717	9.78	1.55	7.5	18.7	610
Q007241		3.00	16.10	0.18	0.9	0.109	3.12	17.6	19.7	0.36	381	15.00	0.51	7.3	14.0	520
Q007242		4.40	16.00	0.18	0.8	0.208	3.93	16.6	16.5	1.06	379	15.35	0.88	6.6	12.2	610
Q007243		3.33	15.15	0.16	0.8	0.066	3.40	12.6	19.6	0.59	1040	16.60	0.57	6.8	14.0	560
Q007244		3.34	15.70	0.18	0.8	0.121	3.51	18.9	14.9	0.52	209	8.01	1.14	7.1	11.9	700

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13135209

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q007209		60.4	108.5	<0.002	0.04	2.97	19.6	2	2.1	429	0.45	0.06	14.1	0.416	1.66	5.5
Q007210		785	192.0	<0.002	0.07	26.1	17.5	2	6.5	44.4	0.33	<0.05	11.5	0.348	3.06	7.9
Q007211		1520	197.0	<0.002	0.11	17.75	16.9	3	12.3	47.3	0.28	0.15	10.9	0.282	2.70	9.7
Q007212		95.9	108.0	<0.002	0.04	2.76	19.8	2	2.0	354	0.42	0.08	12.2	0.378	1.56	6.7
Q007213		147.0	164.0	<0.002	0.08	8.42	19.9	2	2.8	207	0.47	0.10	12.2	0.381	2.71	8.2
Q007214		250	93.4	<0.002	0.04	3.34	20.1	2	2.1	368	0.45	0.06	11.2	0.369	1.50	6.0
Q007215		713	112.0	<0.002	0.11	43.6	19.6	2	3.2	208	0.39	0.07	11.8	0.345	1.99	8.8
Q007216		21.8	93.5	<0.002	0.10	4.76	18.0	2	1.8	439	0.47	<0.05	11.3	0.364	1.47	4.4
Q007217		19.7	99.2	0.010	0.03	3.41	17.2	2	2.7	256	0.38	0.13	9.6	0.338	1.52	5.4
Q007218		31.9	98.0	0.002	0.05	4.23	17.6	3	1.8	304	0.41	<0.05	9.6	0.334	1.49	6.7
Q007219		633	167.5	0.002	0.06	17.90	16.1	2	4.4	50.3	0.31	0.14	12.0	0.271	2.67	8.0
Q007220		357	145.0	0.004	0.06	13.50	17.1	2	2.8	236	0.36	0.16	10.9	0.326	2.45	7.1
Q007221		22.7	137.0	<0.002	0.02	13.75	20.0	2	1.8	86.1	0.44	0.06	10.6	0.411	2.59	7.3
Q007222		28.9	108.0	<0.002	0.02	18.80	18.2	2	2.6	59.4	0.42	0.08	12.1	0.388	1.82	7.6
Q007223		37.4	115.0	0.003	0.04	13.35	13.5	2	2.6	311	0.55	0.07	7.7	0.383	1.93	4.2
Q007224		41.4	145.0	0.003	0.03	19.30	16.7	2	2.9	115.0	0.40	0.17	6.1	0.371	2.62	4.9
Q007225		21.2	116.0	0.003	0.03	3.91	18.5	2	2.5	437	0.43	0.11	5.9	0.413	1.39	2.4
Q007226		26.8	116.5	<0.002	0.02	7.17	14.6	2	3.9	229	0.46	0.25	7.7	0.322	1.48	3.2
Q007227		1310	157.0	<0.002	4.59	57.8	8.8	2	7.2	90.5	0.48	1.06	9.8	0.203	2.26	4.6
Q007228		41.7	119.5	0.003	0.05	4.73	8.9	1	4.2	265	0.50	0.19	8.7	0.200	1.40	2.6
Q007229		30.3	109.5	0.003	0.02	2.93	8.5	1	2.7	306	0.54	0.19	8.0	0.214	1.19	2.0
Q007230		16.0	105.0	<0.002	0.01	6.21	8.9	1	1.8	158.0	0.68	0.11	10.1	0.240	1.15	2.3
Q007231		15.4	87.7	0.002	0.02	2.20	8.1	2	3.2	344	0.60	0.14	8.8	0.222	0.91	2.1
Q007232		21.1	108.0	<0.002	0.02	2.02	8.5	1	3.8	301	0.52	0.18	8.2	0.212	1.14	2.4
Q007233		49.4	103.5	0.002	0.02	2.66	9.1	2	3.2	252	0.58	0.29	8.9	0.227	1.12	2.5
Q007234		38.5	104.0	<0.002	0.03	1.73	8.8	1	2.7	362	0.60	0.23	9.2	0.217	1.04	2.1
Q007235		34.0	113.5	<0.002	0.01	3.82	9.0	1	3.0	195.5	0.58	0.16	8.9	0.224	1.20	2.9
Q007236		1.7	0.9	<0.002	0.01	0.06	0.2	1	<0.2	50.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
Q007237		44.5	88.3	0.003	0.04	2.54	9.3	2	2.1	333	0.60	0.14	8.7	0.232	0.94	2.5
Q007238		190.5	151.5	<0.002	0.05	9.79	8.7	1	4.9	155.0	0.53	0.28	9.2	0.195	1.64	3.5
Q007239		45.8	133.5	<0.002	0.03	4.99	9.2	2	4.1	198.5	0.49	0.39	8.4	0.184	1.28	3.8
Q007240		23.1	77.5	<0.002	0.01	3.95	8.3	1	1.7	242	0.67	0.12	8.6	0.235	0.86	2.5
Q007241		41.5	111.0	<0.002	0.03	35.5	8.9	1	2.6	113.5	0.61	0.13	9.0	0.213	1.33	3.5
Q007242		39.8	130.5	<0.002	0.01	4.60	9.0	1	7.3	157.0	0.55	0.20	9.0	0.215	1.75	3.7
Q007243		24.9	96.4	<0.002	0.02	5.89	8.8	1	3.4	133.0	0.56	0.09	7.4	0.219	1.31	3.1
Q007244		26.8	113.5	<0.002	0.02	11.80	8.7	1	3.1	207	0.56	0.19	8.8	0.213	1.47	3.8

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q007209		171	2.9	24.0	226	12.7
Q007210		163	9.7	16.4	646	12.0
Q007211		149	11.7	15.7	697	11.3
Q007212		166	3.0	22.0	398	12.3
Q007213		174	4.8	19.4	366	12.8
Q007214		169	2.8	22.9	376	10.8
Q007215		167	7.0	25.6	653	11.8
Q007216		148	1.6	22.1	208	9.7
Q007217		145	2.9	21.0	301	7.9
Q007218		139	2.6	23.1	328	11.3
Q007219		130	7.1	19.6	785	10.1
Q007220		139	5.9	19.4	668	10.7
Q007221		170	3.0	21.7	616	11.6
Q007222		162	4.4	25.4	556	12.2
Q007223		117	3.2	17.6	241	67.2
Q007224		142	6.7	21.0	231	15.1
Q007225		147	3.9	18.9	149	15.8
Q007226		126	3.1	16.6	152	17.1
Q007227		62	5.1	10.5	2340	27.6
Q007228		77	2.4	11.1	133	18.6
Q007229		78	3.5	9.8	91	17.7
Q007230		76	3.1	8.6	86	20.5
Q007231		70	2.5	9.0	71	21.2
Q007232		71	3.1	9.8	76	22.0
Q007233		76	3.5	11.1	116	25.2
Q007234		76	4.1	10.3	73	21.6
Q007235		76	3.6	10.1	100	22.6
Q007236		2	0.1	0.7	17	0.8
Q007237		87	3.0	10.0	81	21.1
Q007238		74	4.9	10.3	117	21.1
Q007239		73	5.7	12.1	112	20.3
Q007240		72	2.4	8.6	118	21.9
Q007241		72	3.2	10.5	153	23.6
Q007242		74	5.5	10.6	153	21.3
Q007243		75	3.6	8.9	134	20.9
Q007244		75	3.2	11.9	133	21.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 9- AUG- 2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13135209

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2013
Account: ROCKHA

CERTIFICATE WH13136040

Project: KLAZA

P.O. No.: Batch 35

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

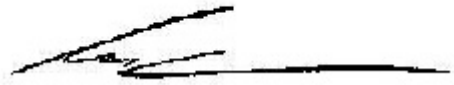
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

Comments: Gold assay(s) on sample Q007038 is (are) reported by fire assay gravimetric method due to high silver content in sample(s) that may cause incomplete gold dissolution in aqua-regia solution

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136040

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
Q007009		5.80	0.075		5.60	6.93	962	740	0.71	7.10	0.24	2.02	49.3	1.4	11	14.60
Q007010		3.83	8.42		>100	3.46	>10000	1070	0.47	623	0.29	46.6	21.7	13.5	7	5.37
Q007011		7.43	0.229		31.6	6.80	1795	2520	0.87	14.85	0.14	5.20	49.3	4.6	12	11.05
M635699		5.41	0.054		5.57	8.25	1185	1720	2.01	2.82	0.45	15.25	44.7	14.8	21	22.3
Q007013		1.40	<0.005		0.15	0.09	9	30	0.05	0.12	19.95	0.09	0.96	0.7	1	0.36
Q007014		8.20	0.049		3.73	7.55	422	2780	1.99	1.24	0.76	13.35	45.4	12.3	18	26.1
Q007015		0.21	1.730		36.9	5.56	2390	120	1.07	33.1	1.59	45.0	32.8	17.9	22	9.28
Q007016		4.11	0.021		0.76	8.84	104.5	1570	1.79	0.52	0.35	12.15	65.2	19.3	16	29.1
Q007017		5.53	0.257		18.85	7.12	1125	1720	1.12	3.19	0.12	6.41	45.4	0.9	9	10.45
Q007018		5.15	0.296		5.36	7.40	491	670	1.20	3.69	0.08	3.90	44.5	1.0	10	6.44
Q007019		4.08	0.454		15.80	6.97	2660	900	1.22	4.87	0.10	5.57	46.9	1.2	9	7.78
Q007020		4.11	0.125		6.93	8.06	697	1760	1.53	3.30	0.79	5.40	54.8	5.1	13	10.60
Q007021		<0.02	0.118		7.01	7.97	688	1710	1.54	3.22	0.79	5.16	53.4	5.2	11	10.30
Q007022		3.17	0.010		0.56	7.11	92.0	1580	1.55	0.99	0.45	9.06	41.2	14.8	11	17.20
Q007023		5.10	0.066		1.48	7.64	462	5170	1.71	1.21	0.35	25.7	53.3	17.8	10	16.90
Q007024		5.40	0.597		40.1	6.44	4270	3500	1.12	5.14	0.18	30.5	43.7	3.5	10	18.60
Q007025		6.88	0.034		2.14	7.78	508	1360	1.99	0.40	0.39	27.8	64.2	9.4	18	24.6
Q007026		7.77	0.068		5.77	7.70	364	1950	1.82	1.90	0.91	13.85	68.5	9.5	16	19.55
Q007027		4.53	1.050		32.9	5.58	917	1120	1.06	34.6	0.22	8.41	45.4	5.3	10	13.95
Q007028		3.79	0.110		5.37	8.27	1195	1720	1.33	2.85	0.21	12.45	67.4	5.3	10	15.10
Q007029		2.88	<0.005		0.08	0.06	<5	30	0.05	0.08	20.5	0.10	1.40	1.4	1	0.18
Q007030		4.59	0.053		4.49	7.53	276	1650	1.75	2.75	1.12	4.83	63.9	11.8	17	12.05
Q007031		4.62	2.68		97.3	5.77	2300	460	1.47	5.35	0.32	98.5	34.7	15.0	8	18.30
Q007032		4.04	0.152		2.85	8.45	115.5	2130	1.83	0.91	0.42	9.87	57.2	7.4	8	24.6
Q007033		8.60	0.062		2.54	7.66	167.0	2120	1.71	0.25	1.03	6.80	55.6	7.5	11	22.7
Q007034		0.25	1.695		38.0	5.76	2130	550	1.12	31.8	1.65	45.7	35.7	17.6	23	9.76
Q007035		5.51	0.164		4.62	7.88	151.5	1600	1.56	0.68	0.39	9.08	55.8	8.8	10	23.6
Q007036		4.37	0.035		30.5	8.27	96.1	2400	1.70	0.39	0.80	6.52	60.2	7.6	10	15.60
Q007037		3.65	0.058		8.87	8.29	89.0	2440	1.54	0.38	0.45	11.35	60.8	6.1	9	17.10
Q007038		6.93		0.90	>100	4.54	3730	180	1.40	0.83	0.20	64.2	27.5	2.9	7	13.30
Q007039		8.36	0.042		4.40	8.06	124.5	2370	1.70	0.38	0.74	4.49	55.1	6.6	11	14.65
Q007040		5.25	1.500		>100	5.44	1690	350	1.40	7.82	0.33	61.5	37.7	8.4	10	16.05
Q007041		6.05	0.070		2.37	7.97	142.0	2320	1.70	0.37	0.52	7.35	56.0	6.9	9	21.0
Q007042		8.18	0.059		2.37	7.53	129.5	1900	1.63	0.66	0.43	9.26	56.8	7.3	9	24.4
Q007043		5.41	0.880		41.1	5.65	1680	550	1.55	9.40	0.19	29.6	48.1	6.7	10	14.50
Q007044		3.64	0.064		2.37	8.46	206	1380	2.19	0.57	0.38	8.64	59.5	6.8	9	36.7

Comments: Gold assay(s) on sample Q007038 is (are) reported by fire assay gravimetric method due to high silver content in sample(s) that may cause incomplete gold dissolution in aqua-regia solution

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136040

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Q007009		252	6.74	15.65	0.13	1.1	2.65	3.47	30.1	7.0	0.24	188	1.33	0.06	8.4	1.0
Q007010		438	14.75	8.41	0.10	0.5	2.94	1.81	14.4	8.2	0.12	142	8.41	0.04	3.3	1.6
Q007011		185.5	4.15	17.00	0.10	1.4	0.723	3.03	30.8	10.8	0.20	160	2.78	0.04	7.8	2.2
M635699		708	4.07	19.65	0.13	3.4	0.296	3.25	23.3	42.3	0.26	888	4.07	0.07	11.6	7.0
Q007013		3.6	0.47	0.28	0.08	<0.1	0.007	0.04	0.5	1.3	12.00	202	0.11	0.01	0.1	1.9
Q007014		249	2.99	18.35	0.12	3.0	0.123	2.86	24.3	28.1	0.24	1160	5.96	0.07	10.6	7.3
Q007015		1160	8.35	14.15	0.11	0.8	1.470	2.47	18.4	15.9	0.64	2260	17.15	0.06	4.9	15.0
Q007016		681	3.07	19.00	0.12	2.5	0.066	2.33	36.6	33.1	0.18	1340	4.19	0.09	13.0	2.0
Q007017		290	3.08	15.85	0.11	1.1	0.550	3.23	28.3	8.8	0.24	166	3.89	0.04	7.5	1.3
Q007018		258	3.02	17.10	0.11	1.1	0.435	3.47	27.0	6.5	0.24	143	1.86	0.04	7.8	1.5
Q007019		350	3.58	16.05	0.12	1.0	1.205	3.21	29.3	11.7	0.22	153	3.66	0.08	7.1	1.7
Q007020		486	4.21	18.45	0.19	1.3	0.621	3.24	30.0	10.0	0.43	397	1.71	1.05	9.0	4.1
Q007021		475	4.09	18.55	0.19	1.3	0.601	3.25	29.0	9.8	0.42	395	1.61	1.06	9.1	3.6
Q007022		36.0	4.30	17.65	0.19	0.9	0.242	3.09	21.5	23.4	0.22	1840	2.06	0.18	8.3	5.0
Q007023		129.0	4.97	17.35	0.22	1.0	0.302	3.22	31.0	20.8	0.24	3790	4.76	0.14	8.3	5.0
Q007024		260	5.99	15.80	0.22	1.2	0.775	2.70	24.2	20.0	0.22	473	4.32	0.04	7.4	2.5
Q007025		47.9	2.86	19.85	0.18	3.5	0.061	2.63	32.7	45.2	0.23	1420	2.00	0.06	11.2	7.8
Q007026		181.0	2.84	19.20	0.19	2.8	0.134	2.17	34.8	96.3	0.19	1080	2.20	0.14	11.8	5.6
Q007027		345	2.85	15.45	0.17	1.0	0.426	2.30	25.1	21.8	0.17	528	6.48	0.05	6.6	1.9
Q007028		510	3.54	19.10	0.19	1.2	0.649	3.12	32.4	16.2	0.25	301	1.11	0.08	9.1	2.1
Q007029		3.4	0.48	0.23	0.07	<0.1	0.005	0.02	0.7	1.2	12.95	211	0.09	<0.01	0.3	1.2
Q007030		734	3.89	17.20	0.20	1.7	0.477	2.44	31.1	29.0	0.46	926	1.75	1.22	10.2	6.1
Q007031		129.0	6.20	14.10	0.22	1.1	0.877	2.47	18.1	24.8	0.24	1070	4.91	0.04	6.5	3.6
Q007032		41.5	3.04	18.55	0.17	1.4	0.222	3.23	30.5	123.0	0.17	1020	1.56	0.09	9.2	3.5
Q007033		16.1	2.78	18.45	0.17	2.7	0.058	3.18	30.8	39.7	0.21	985	2.24	0.18	9.8	5.2
Q007034		1210	8.75	14.85	0.27	0.8	1.680	2.59	18.2	16.4	0.68	2330	16.45	0.06	5.0	15.8
Q007035		28.8	2.98	16.95	0.16	1.2	0.130	3.07	31.1	80.2	0.18	1040	5.80	0.17	8.3	4.6
Q007036		18.2	3.22	18.25	0.17	1.3	0.103	3.27	30.4	26.9	0.39	1020	1.68	1.41	9.1	4.2
Q007037		20.3	3.05	17.85	0.18	1.3	0.102	3.32	30.8	27.6	0.26	1180	1.80	1.15	8.9	3.2
Q007038		448	3.48	10.50	0.14	0.7	0.645	1.93	18.0	21.1	0.16	682	1.56	0.10	4.1	1.8
Q007039		20.4	2.92	17.80	0.15	1.2	0.080	3.03	25.2	20.1	0.46	793	1.23	2.06	8.9	4.3
Q007040		299	4.25	12.30	0.17	1.0	0.689	2.29	23.4	47.0	0.20	1320	12.50	0.09	5.6	3.1
Q007041		22.5	3.44	17.65	0.17	1.2	0.098	3.01	28.2	52.6	0.39	639	1.41	0.72	9.1	4.1
Q007042		21.5	2.91	16.60	0.16	1.1	0.104	2.93	32.9	91.2	0.19	993	2.47	0.29	8.2	3.8
Q007043		94.1	5.90	13.15	0.24	0.9	0.361	2.52	43.0	22.1	0.19	1700	6.59	0.03	5.5	3.8
Q007044		23.3	3.01	19.20	0.18	1.3	0.115	3.18	32.7	67.4	0.20	1060	2.36	0.10	9.6	3.8

Comments: Gold assay(s) on sample Q007038 is (are) reported by fire assay gravimetric method due to high silver content in sample(s) that may cause incomplete gold dissolution in aqua-regia solution

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136040

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
Q007009		420	1700	193.5	<0.002	2.14	16.30	9.6	<1	4.8	72.9	0.63	1.32	12.3	0.277	3.21
Q007010		200	4880	88.6	<0.002	1.20	658	4.6	3	40.2	74.6	0.25	6.87	2.9	0.112	1.33
Q007011		310	729	157.5	<0.002	0.61	59.2	7.8	1	12.6	117.5	0.57	1.34	9.7	0.248	2.54
M635699		1160	71.4	189.0	<0.002	0.06	17.60	7.0	1	1.7	130.5	0.76	0.19	10.3	0.314	3.69
Q007013		170	3.8	2.3	<0.002	<0.01	0.29	0.2	<1	<0.2	43.4	<0.05	<0.05	<0.2	<0.005	0.03
Q007014		1030	306	167.0	<0.002	0.13	19.20	7.1	1	1.6	112.5	0.72	0.05	9.7	0.284	3.31
Q007015		430	1565	145.0	0.002	7.57	97.9	7.7	2	11.0	61.8	0.39	0.66	9.2	0.160	2.10
Q007016		1050	66.7	92.2	<0.002	0.09	14.40	7.5	1	2.1	456	0.84	0.06	13.5	0.301	1.97
Q007017		340	2650	209	<0.002	0.49	57.7	8.4	1	8.0	52.4	0.61	0.22	8.6	0.232	2.90
Q007018		280	560	208	<0.002	0.20	31.6	9.0	<1	14.0	22.4	0.60	0.22	8.2	0.244	2.55
Q007019		620	3160	188.5	<0.002	0.24	59.0	9.0	1	12.1	53.0	0.55	0.43	16.2	0.222	2.55
Q007020		630	750	173.0	<0.002	0.13	28.7	13.0	1	6.0	183.0	0.70	0.15	16.5	0.273	2.34
Q007021		620	725	169.0	<0.002	0.13	27.4	12.9	1	5.8	181.0	0.69	0.15	15.8	0.271	2.32
Q007022		580	59.0	162.5	<0.002	0.23	6.54	12.3	1	1.8	43.8	0.64	0.09	12.5	0.248	2.42
Q007023		610	530	175.0	<0.002	0.34	14.40	12.6	2	2.5	58.5	0.76	0.08	15.3	0.232	2.88
Q007024		450	7370	159.5	<0.002	0.46	105.5	8.7	1	7.2	193.5	0.60	0.20	12.3	0.210	2.62
Q007025		1100	192.0	162.5	<0.002	0.06	19.00	8.5	1	1.8	573	0.78	<0.05	11.4	0.289	3.39
Q007026		940	372	118.5	<0.002	0.15	22.3	7.9	1	1.8	260	0.79	0.06	11.5	0.263	2.20
Q007027		230	644	133.5	<0.002	0.36	67.7	8.2	1	8.9	92.8	0.49	1.00	6.7	0.182	2.21
Q007028		490	713	173.5	<0.002	0.18	25.4	12.4	1	5.2	76.7	0.72	0.08	13.5	0.260	2.74
Q007029		170	5.3	1.4	<0.002	0.01	0.16	0.3	1	<0.2	49.9	<0.05	<0.05	<0.2	<0.005	0.02
Q007030		790	339	111.0	<0.002	0.03	19.70	11.1	1	2.3	255	0.74	0.10	13.6	0.283	1.49
Q007031		440	>10000	151.5	<0.002	4.71	70.3	9.2	2	3.9	136.0	0.50	1.83	9.6	0.186	2.77
Q007032		650	488	170.5	<0.002	0.14	28.6	12.3	1	1.8	114.0	0.75	0.06	15.9	0.259	2.59
Q007033		690	375	153.0	<0.002	0.07	30.0	9.5	1	1.6	147.0	0.75	<0.05	12.4	0.268	2.61
Q007034		440	1625	148.5	0.002	7.89	100.0	9.2	2	10.9	62.7	0.39	0.71	10.3	0.159	2.38
Q007035		570	437	146.0	<0.002	0.14	40.1	11.1	1	1.8	111.5	0.76	0.34	14.8	0.240	2.06
Q007036		610	652	151.5	<0.002	0.06	20.2	11.9	1	1.7	186.0	0.74	0.08	15.5	0.256	1.84
Q007037		590	983	159.5	<0.002	0.09	14.85	10.9	1	2.4	136.0	0.73	0.11	17.7	0.252	2.08
Q007038		310	>10000	105.5	<0.002	4.55	2120	7.3	1	5.1	40.9	0.33	0.11	8.3	0.124	1.69
Q007039		580	737	137.5	<0.002	0.03	10.40	11.4	1	1.5	222	0.73	0.15	16.3	0.246	1.51
Q007040		370	4560	133.5	<0.002	2.03	210	8.0	2	3.6	126.0	0.44	3.93	9.3	0.163	2.11
Q007041		600	152.0	141.5	<0.002	0.03	15.55	12.2	1	1.6	128.5	0.72	0.12	15.3	0.252	1.70
Q007042		560	149.5	139.0	<0.002	0.07	25.7	11.2	1	1.6	103.0	0.66	0.26	15.0	0.234	2.00
Q007043		380	1415	155.0	<0.002	1.37	68.8	9.1	2	4.6	55.3	0.46	4.35	11.4	0.161	2.49
Q007044		630	165.0	165.0	<0.002	0.08	19.05	12.7	1	1.9	95.3	0.79	0.20	16.2	0.263	2.62

Comments: Gold assay(s) on sample Q007038 is (are) reported by fire assay gravimetric method due to high silver content in sample(s) that may cause incomplete gold dissolution in aqua-regia solution

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136040

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62	Ag-GRA21
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb	Zn	Ag
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	5
Q007009		2.4	75	4.1	5.1	264	30.0				
Q007010		11.9	34	3.8	3.9	1360	13.8	548			
Q007011		3.6	64	8.5	5.7	350	49.3				
M635699		8.0	70	1.5	12.1	989	149.5				
Q007013		0.5	2	0.1	0.7	17	0.5				
Q007014		5.7	65	3.1	12.7	876	127.0				
Q007015		4.8	54	7.2	9.5	3220	24.5				
Q007016		12.8	61	3.3	15.4	1900	95.8				
Q007017		2.8	64	5.8	5.3	306	34.4				
Q007018		3.0	68	7.6	5.4	362	33.7				
Q007019		4.1	63	6.6	6.1	479	31.9				
Q007020		5.6	79	4.1	13.1	483	37.2				
Q007021		5.5	79	3.9	12.9	479	37.3				
Q007022		5.2	72	2.4	17.0	932	25.9				
Q007023		8.1	70	2.9	22.4	2150	27.0				
Q007024		9.4	59	3.4	8.6	1840	43.0				
Q007025		6.4	65	2.4	15.3	1820	136.5				
Q007026		5.7	58	2.1	15.5	995	106.0				
Q007027		3.5	53	6.9	9.1	377	33.1				
Q007028		4.1	75	8.5	13.8	436	31.3				
Q007029		0.6	2	0.1	0.8	19	<0.5				
Q007030		5.3	72	2.1	17.7	480	55.8				
Q007031		7.3	54	8.5	19.8	>10000	36.7		1.195	1.105	
Q007032		3.5	73	4.6	20.5	932	38.9				
Q007033		5.3	71	4.0	20.2	550	99.7				
Q007034		5.7	56	7.1	10.2	3320	23.4				
Q007035		4.4	68	3.2	17.9	645	33.7				
Q007036		3.5	72	3.3	18.1	537	38.0				
Q007037		3.7	68	3.1	18.4	969	37.6				
Q007038		5.7	35	3.4	13.8	2840	20.6	>1500	>20.0		2710
Q007039		3.4	66	2.1	16.3	455	35.0				
Q007040		5.7	48	9.1	19.4	4710	30.0	134			
Q007041		3.1	68	2.4	19.5	473	32.8				
Q007042		4.2	64	3.9	20.4	564	29.5				
Q007043		5.8	52	9.5	26.1	1400	25.2				
Q007044		5.1	74	3.4	21.5	644	35.4				

Comments: Gold assay(s) on sample Q007038 is (are) reported by fire assay gravimetric method due to high silver content in sample(s) that may cause incomplete gold dissolution in aqua-regia solution

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136040

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- GRA21	Ag- OG62	Au- AA24	Au- GRA22
	ME- MS61	ME- OG62	Pb- OG62	Zn- OG62

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2013
Account: ROCKHA

CERTIFICATE WH13136041

Project: KLAZA

P.O. No.: Batch 36

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

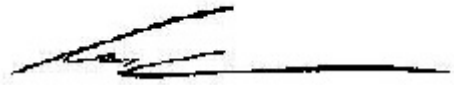
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136041

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
Q007045		3.41	>10.0	63.3	>100	2.63	>10000	210	0.78	1.69	0.27	485	17.50	2.3	5	11.25
Q007046		3.91	0.147		3.04	7.91	469	2560	1.66	0.28	1.28	25.7	55.5	7.8	9	17.40
Q007047		4.69	0.375		10.10	7.22	1740	1680	1.80	0.29	0.26	93.1	52.2	6.4	7	26.0
Q007048		5.27	0.197		9.07	7.91	2290	2730	2.09	0.34	0.39	155.5	60.5	9.1	8	25.5
Q007049		7.58	>10.0	13.50	>100	5.96	>10000	1070	1.54	3.92	0.46	116.0	46.0	2.2	8	27.1
Q007050		5.31	0.342		3.24	7.83	783	1720	1.81	1.19	0.29	82.4	56.2	10.9	8	23.7
Q007051		9.57	>10.0	25.4	>100	5.11	>10000	620	1.08	1.74	0.36	165.5	41.9	1.5	8	18.95
Q007052		2.59	0.035		0.38	0.08	49	30	0.07	0.04	20.8	0.42	1.55	1.2	1	0.37
Q007053		4.67	0.604		46.3	7.36	3000	2330	1.65	0.27	0.32	14.00	59.4	7.0	12	22.7
Q007054		7.46	0.081		0.98	8.63	105.0	1040	1.66	0.47	0.34	2.05	56.2	10.2	11	17.20
Q007055		7.14	0.051		0.58	7.94	292	2090	1.84	0.59	0.29	9.98	50.3	10.4	12	22.2
Q007056		5.73	0.121		0.96	8.19	373	1710	1.65	1.10	0.30	10.95	56.3	8.9	10	26.2
Q007057		0.25	1.685		38.5	5.97	2420	810	1.15	35.4	1.69	43.9	38.0	16.3	21	9.79
Q007058		5.50	0.117		0.73	8.48	262	1140	1.44	0.79	0.44	7.52	54.4	10.8	10	18.40
Q007059		3.99	0.052		0.26	9.67	578	970	2.15	0.83	0.18	7.77	51.8	10.6	10	16.55
Q007060		5.61	0.074		0.41	9.12	313	1650	1.55	0.81	0.35	10.40	62.4	14.6	10	17.55
Q007061		<0.02	0.071		0.48	8.90	312	1710	1.61	0.81	0.34	9.99	59.1	14.3	10	17.20
Q007062		3.53	0.041		0.81	7.92	755	700	0.92	1.46	0.27	2.48	54.9	2.4	10	25.2
Q007063		8.33	1.795		5.03	5.74	629	910	0.73	8.71	0.15	1.44	38.1	1.1	8	11.60
Q007064		5.11	0.772		6.18	7.22	542	900	0.86	10.65	0.21	1.87	55.2	1.1	10	11.00
Q007065		9.08	0.369		2.65	7.93	633	1610	1.07	4.20	0.32	5.95	55.3	3.8	10	13.95
Q007066		3.02	0.006		0.02	0.08	<5	40	0.05	0.05	21.6	0.08	1.29	0.7	<1	0.23
Q007067		4.01	0.256		1.25	8.80	612	1010	1.32	2.04	0.29	5.51	50.9	7.3	11	21.8
Q007068		6.50	0.066		0.66	9.36	530	1180	1.68	1.14	0.53	7.28	49.8	13.2	10	12.85
Q007069		6.64	0.252		16.20	8.27	1180	880	1.17	71.2	0.26	3.74	56.6	3.9	12	19.20
Q007070		11.53	0.588		14.95	7.29	1075	1430	0.91	103.0	0.30	2.54	49.9	1.5	11	18.45
Q007071		0.26	1.680		37.8	6.39	2540	820	1.04	34.0	1.79	43.8	35.9	15.5	21	9.67
Q007072		11.16	1.005		1.31	8.44	1905	1030	1.19	4.87	0.23	4.43	54.3	5.0	10	23.7
Q007073		4.99	0.169		2.10	8.77	1085	1080	1.63	3.55	0.30	11.05	53.2	8.5	13	19.75
Q007074		4.88	0.048		0.36	8.64	178.0	1890	1.38	1.22	1.45	3.04	54.1	9.9	11	8.64
Q007075		4.30	0.125		0.57	8.30	546	1130	1.37	1.13	0.48	7.17	54.1	12.6	9	11.70
Q007076		4.29	0.237		0.48	8.71	738	1380	1.64	1.10	1.58	6.53	50.9	10.2	11	7.64
Q007077		4.67	0.129		0.53	8.68	723	1210	1.53	1.57	0.79	9.66	58.7	12.1	10	13.60
Q007078		9.90	0.154		0.98	8.33	253	940	1.38	2.96	0.65	5.53	49.6	11.0	10	11.90
Q007079		3.20	0.032		0.36	8.11	81.8	910	1.32	2.02	1.09	5.30	55.1	8.0	9	12.65
Q007080		3.97	0.019		0.25	8.17	81.4	1300	1.30	1.62	1.55	4.09	49.8	8.1	9	8.40

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136041

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Q007045		1230	11.35	9.21	0.27	0.3	17.20	1.03	10.2	20.7	0.10	483	14.60	0.01	2.4	1.6
Q007046		17.2	3.13	17.45	0.16	1.1	0.091	3.03	28.5	11.7	0.40	1440	1.46	1.98	8.4	3.4
Q007047		71.8	4.65	16.50	0.19	1.0	0.215	3.21	28.7	20.4	0.21	7340	2.39	0.15	7.4	2.5
Q007048		67.3	4.24	17.70	0.18	1.1	0.138	3.63	32.9	20.0	0.18	6810	2.99	0.44	8.3	3.4
Q007049		228	5.93	14.40	0.19	1.1	1.790	2.01	24.3	39.3	0.16	604	6.16	0.04	6.5	1.3
Q007050		29.9	3.23	17.55	0.17	1.2	0.098	3.24	30.0	63.5	0.16	5780	3.07	0.14	8.6	4.1
Q007051		637	6.21	15.25	0.20	0.7	5.11	2.01	23.3	23.6	0.17	1190	9.58	0.03	5.0	1.2
Q007052		2.8	0.47	0.32	0.05	<0.1	0.013	0.03	0.7	1.4	12.90	219	0.09	0.01	0.3	1.0
Q007053		59.3	3.39	18.15	0.18	2.2	0.105	2.64	31.7	78.0	0.21	1940	3.40	0.06	8.9	4.3
Q007054		61.2	3.38	18.15	0.16	0.7	0.087	2.51	29.2	59.8	0.20	1300	1.32	0.55	9.1	5.4
Q007055		242	3.37	16.80	0.15	0.6	0.180	2.63	26.6	37.6	0.22	1560	3.75	0.15	8.0	6.6
Q007056		270	4.18	17.20	0.19	0.6	0.378	3.03	32.3	37.0	0.25	1750	7.35	0.14	7.4	5.3
Q007057		1120	8.77	12.85	0.19	0.8	1.505	2.52	20.0	16.2	0.67	2210	16.05	0.06	4.6	14.7
Q007058		152.5	3.66	16.70	0.18	0.7	0.106	2.60	30.8	32.9	0.29	1920	2.77	0.36	8.5	6.5
Q007059		649	3.75	16.05	0.19	0.6	0.168	2.14	29.3	55.2	0.16	942	3.13	0.06	7.9	8.5
Q007060		280	3.92	16.70	0.20	0.6	0.114	2.81	35.9	40.2	0.31	2170	2.99	0.28	7.7	6.7
Q007061		268	3.82	16.55	0.18	0.6	0.105	2.73	33.7	39.2	0.30	2090	2.91	0.28	7.5	6.6
Q007062		210	4.87	16.40	0.18	0.6	1.500	3.17	29.4	18.1	0.28	248	3.38	0.06	7.3	2.8
Q007063		62.4	3.17	12.65	0.17	0.5	0.671	2.47	19.9	29.4	0.24	177	19.90	0.05	5.3	1.4
Q007064		54.0	4.15	15.15	0.19	0.6	0.563	3.25	30.6	12.1	0.31	211	8.93	0.06	7.4	1.6
Q007065		137.5	4.00	15.60	0.19	0.6	0.336	3.09	30.6	37.7	0.30	1060	3.60	0.18	7.4	3.2
Q007066		3.5	0.52	0.19	0.10	<0.1	<0.005	0.04	0.6	1.2	13.80	212	0.15	<0.01	0.2	1.8
Q007067		481	4.13	17.05	0.19	0.7	0.964	2.95	27.6	40.3	0.23	1620	1.68	0.16	8.4	4.7
Q007068		433	3.93	16.75	0.18	0.7	0.141	2.15	26.9	47.2	0.38	1620	2.28	0.68	9.0	5.5
Q007069		534	4.94	15.45	0.18	0.6	1.730	2.80	31.8	20.8	0.30	309	3.33	0.07	8.6	3.6
Q007070		124.5	4.51	14.95	0.18	0.6	1.220	2.98	27.6	14.6	0.27	254	3.39	0.17	7.1	2.1
Q007071		1200	9.39	12.60	0.17	0.8	1.475	2.68	18.9	15.1	0.72	2340	16.00	0.07	4.4	13.9
Q007072		110.0	4.65	15.85	0.18	0.5	0.450	3.47	31.7	17.4	0.26	699	1.12	0.10	7.3	3.4
Q007073		200	5.42	16.20	0.20	0.5	0.210	3.17	29.2	21.1	0.36	964	6.10	0.18	7.0	5.4
Q007074		24.7	3.77	16.25	0.20	0.6	0.069	2.44	29.0	15.1	0.81	1280	1.21	1.94	8.0	5.2
Q007075		96.1	4.21	15.85	0.19	0.6	0.062	2.35	28.4	21.4	0.55	1700	2.72	0.77	8.5	5.5
Q007076		52.2	3.95	16.10	0.17	0.6	0.057	2.26	27.0	16.0	0.76	1220	1.38	2.00	8.3	5.5
Q007077		71.9	4.36	16.70	0.20	0.6	0.071	2.14	30.5	18.5	0.66	2390	1.95	1.24	8.0	5.9
Q007078		84.9	3.79	16.65	0.17	0.7	0.134	1.93	24.7	19.3	0.58	1460	1.90	1.24	8.1	5.9
Q007079		25.6	3.02	15.85	0.17	0.7	0.119	1.47	26.5	15.1	0.83	1340	1.28	1.40	8.2	4.3
Q007080		29.2	3.32	14.85	0.18	0.6	0.035	2.18	25.1	10.8	0.59	1280	1.55	1.82	7.4	4.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136041

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
Q007045		170	>10000	59.5	0.002	8.23	1380	4.7	3	20.5	54.6	0.19	0.11	4.6	0.070	1.36
Q007046		600	285	138.5	<0.002	0.03	8.97	11.2	1	2.3	297	0.67	<0.05	14.5	0.254	1.85
Q007047		530	2020	181.5	<0.002	0.10	41.1	10.4	1	5.1	58.5	0.58	<0.05	14.0	0.221	3.38
Q007048		630	1230	179.0	<0.002	0.07	32.0	12.2	2	3.0	109.5	0.68	0.07	15.5	0.245	3.41
Q007049		630	>10000	117.5	<0.002	0.69	301	8.1	1	10.9	334	0.49	0.27	12.1	0.192	2.43
Q007050		600	174.0	158.5	<0.002	0.07	26.8	11.0	2	2.4	109.5	0.68	0.88	14.4	0.244	2.47
Q007051		530	>10000	132.0	<0.002	0.96	298	8.2	1	17.5	152.5	0.36	0.34	13.4	0.148	2.37
Q007052		210	29.8	2.3	<0.002	<0.01	0.75	0.3	1	<0.2	44.1	<0.05	<0.05	<0.2	<0.005	0.02
Q007053		770	2080	166.5	<0.002	0.10	66.7	9.3	1	3.3	272	0.61	0.07	11.4	0.252	2.25
Q007054		550	65.0	121.0	<0.002	0.06	18.10	12.4	1	2.2	93.7	0.81	0.06	15.5	0.262	1.71
Q007055		500	72.6	134.5	<0.002	0.12	31.0	12.0	1	2.9	73.5	0.74	<0.05	15.5	0.253	2.21
Q007056		540	119.0	180.0	<0.002	0.30	33.0	12.2	1	3.6	108.5	0.74	<0.05	15.1	0.253	2.96
Q007057		430	1610	151.5	0.002	7.42	100.0	8.4	1	10.3	64.1	0.36	0.71	8.8	0.159	2.12
Q007058		540	84.6	140.0	<0.002	0.08	18.35	12.1	1	3.0	76.5	0.80	0.06	16.8	0.260	2.08
Q007059		660	58.9	113.0	<0.002	0.10	44.2	14.3	2	1.3	90.3	0.68	0.05	18.4	0.267	1.65
Q007060		620	54.9	151.5	<0.002	0.12	27.6	13.0	1	1.8	95.1	0.68	0.06	16.4	0.265	2.11
Q007061		600	57.2	147.0	<0.002	0.12	26.3	12.5	1	1.7	94.0	0.64	0.07	16.3	0.254	2.11
Q007062		540	141.5	180.0	<0.002	0.93	30.8	11.6	1	3.2	116.5	0.61	0.12	21.0	0.248	3.81
Q007063		300	1190	165.5	<0.002	0.77	107.5	8.2	1	7.0	193.5	0.49	0.64	7.9	0.178	2.79
Q007064		380	516	197.0	<0.002	0.96	64.9	9.0	<1	7.2	147.5	0.67	0.32	10.0	0.247	3.32
Q007065		420	307	172.0	<0.002	0.67	32.5	10.3	1	4.8	134.5	0.61	0.17	11.9	0.271	3.46
Q007066		210	4.3	1.7	<0.002	0.01	0.28	0.2	<1	<0.2	47.0	<0.05	<0.05	<0.2	<0.005	0.02
Q007067		470	95.4	150.5	<0.002	0.37	24.3	11.5	1	3.5	105.5	0.80	0.12	17.9	0.279	3.07
Q007068		620	52.9	97.5	<0.002	0.08	14.75	13.4	1	2.8	146.5	0.80	0.09	17.6	0.293	1.39
Q007069		440	260	151.5	<0.002	0.64	123.5	13.1	1	5.6	106.5	0.75	0.12	15.1	0.286	2.94
Q007070		420	641	161.0	<0.002	0.90	236	10.0	1	8.1	126.5	0.63	0.18	10.4	0.252	3.43
Q007071		460	1720	150.0	<0.002	8.00	101.0	8.2	1	10.2	64.1	0.37	0.69	8.3	0.168	2.04
Q007072		500	104.5	191.0	<0.002	0.32	23.7	11.3	1	5.9	81.4	0.64	0.09	15.0	0.260	3.74
Q007073		630	148.0	165.5	<0.002	0.43	29.5	13.3	1	7.2	195.5	0.53	0.06	12.7	0.270	2.51
Q007074		570	49.4	108.0	<0.002	0.07	4.23	11.7	1	2.0	304	0.67	<0.05	12.9	0.284	1.31
Q007075		540	45.7	117.5	<0.002	0.01	10.90	11.8	1	2.7	133.0	0.80	0.06	13.4	0.272	1.41
Q007076		600	43.8	93.2	<0.002	0.04	5.65	12.2	1	2.4	314	0.76	<0.05	12.0	0.297	1.05
Q007077		600	47.1	110.5	<0.002	0.02	8.67	12.6	1	2.7	183.5	0.78	<0.05	14.6	0.276	1.34
Q007078		580	56.6	99.1	<0.002	0.07	11.40	12.5	1	3.4	157.0	0.70	0.16	15.0	0.278	1.39
Q007079		570	19.7	68.4	<0.002	0.01	7.22	13.1	1	3.4	204	0.69	0.36	12.7	0.289	0.83
Q007080		560	22.0	90.1	<0.002	0.03	3.90	10.4	1	1.4	279	0.62	<0.05	11.3	0.274	1.10

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136041

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62	Ag-GRA21
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb	Zn	Ag
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	5
Q007045		11.4	22	1.8	11.4	>10000	9.8	>1500	13.80	2.64	1700
Q007046		3.0	68	3.3	17.2	1430	31.2				
Q007047		6.9	62	9.4	15.5	4060	27.7				
Q007048		8.2	67	8.6	22.5	6500	29.6				
Q007049		13.0	53	5.0	9.2	3610	34.6	155	1.190		
Q007050		4.7	64	4.9	24.4	6180	32.2				
Q007051		14.6	45	5.8	5.6	4950	19.6	230	1.415		
Q007052		0.5	2	0.1	1.3	26	0.5				
Q007053		6.0	58	4.5	15.1	1360	80.0				
Q007054		3.0	87	2.8	18.1	168	14.5				
Q007055		4.8	86	3.7	18.4	504	12.8				
Q007056		4.8	88	4.3	19.0	581	12.0				
Q007057		5.3	56	6.6	9.8	3250	21.7				
Q007058		3.5	83	3.1	21.1	436	15.5				
Q007059		10.6	89	2.9	20.0	703	13.0				
Q007060		5.3	89	2.7	22.3	584	13.3				
Q007061		5.1	86	2.6	21.5	572	12.7				
Q007062		2.8	92	3.6	8.3	615	11.6				
Q007063		3.9	74	5.2	5.1	152	10.1				
Q007064		1.9	76	8.0	6.3	251	12.4				
Q007065		2.3	85	6.3	9.1	405	13.2				
Q007066		0.9	2	0.1	0.9	15	<0.5				
Q007067		3.4	94	3.5	15.7	709	13.5				
Q007068		3.9	95	2.3	21.6	664	13.8				
Q007069		5.1	92	6.5	11.5	548	11.8				
Q007070		2.3	77	9.9	7.6	339	11.8				
Q007071		5.0	58	6.5	9.6	3460	21.5				
Q007072		2.7	84	6.4	13.1	521	11.2				
Q007073		4.4	94	8.8	19.0	759	10.2				
Q007074		2.0	90	1.9	15.6	267	11.5				
Q007075		2.5	89	2.6	19.2	531	12.2				
Q007076		2.3	94	2.1	17.6	317	11.6				
Q007077		3.1	91	1.8	22.5	637	12.1				
Q007078		2.5	95	2.0	19.2	412	13.7				
Q007079		2.0	96	1.7	16.8	271	12.8				
Q007080		1.6	84	1.4	12.9	290	10.3				

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136041

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- GRA21	Ag- OG62	Au- AA24	Au- GRA22
	ME- MS61	ME- OG62	Pb- OG62	Zn- OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2013
Account: ROCKHA

CERTIFICATE WH13136042

Project: KLAZA

P.O. No.: Batch 37

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Finalized Date: 9- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136042

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q007245		6.14	0.066	1.13	7.78	22.4	1930	1.45	1.16	0.49	1.23	35.3	5.2	57	9.72	535
Q007246		4.61	0.207	1.47	7.02	132.5	1370	1.46	5.74	0.27	3.90	33.3	9.7	53	8.90	720
Q007247		4.65	0.090	1.87	6.94	144.5	1390	1.40	3.24	0.21	4.26	35.3	9.7	53	11.00	817
Q007248		4.89	0.237	2.43	7.17	108.0	1130	1.51	2.02	0.17	3.16	35.3	6.7	55	13.25	786
Q007249		5.59	0.109	1.88	7.33	69.0	1880	1.52	2.08	0.57	2.21	36.8	8.4	60	8.10	785
Q007250		4.83	0.095	1.12	7.33	21.5	1630	1.26	1.06	0.56	1.58	28.4	8.6	57	5.55	386
Q007001		7.01	0.064	0.92	7.84	62.7	1340	1.52	1.13	0.24	1.95	28.9	6.3	60	13.25	578
Q007002		0.26	0.884	11.70	6.45	1285	440	1.25	13.50	1.85	32.0	42.5	18.6	19	13.65	287
Q007003		6.33	0.087	1.57	7.26	163.0	550	1.60	2.69	0.18	2.25	30.2	3.6	55	22.9	653
Q007004		6.42	0.079	1.33	7.58	194.5	1280	1.59	1.41	0.13	2.97	35.3	4.7	68	20.1	711
Q007005		6.40	0.094	1.32	8.13	65.8	1540	1.38	3.26	0.32	4.41	36.6	20.6	113	10.80	776
Q007006		9.87	0.054	1.22	7.92	42.4	1520	1.41	1.01	0.33	2.63	39.4	12.7	79	21.4	459
Q007007		4.85	0.036	0.98	8.01	43.0	2850	1.55	0.84	0.57	3.61	38.4	15.8	97	15.65	496
Q007008		8.27	0.055	1.60	8.07	141.0	1130	1.58	0.82	0.20	6.97	40.6	15.5	74	25.6	653
Q007081		6.18	0.026	0.30	8.48	156.0	1160	1.40	1.34	0.91	3.77	57.5	11.5	11	14.05	26.6
Q007082		4.60	0.055	0.61	8.05	245	1400	1.52	1.50	0.34	94.2	46.2	22.0	11	20.0	59.9
Q007083		5.94	0.220	7.99	8.30	1635	650	1.70	5.27	0.18	7.33	47.0	2.6	11	17.10	341
Q007084		9.18	1.035	88.1	5.73	2170	840	0.73	732	0.21	1.75	63.9	0.5	11	12.65	100.5
Q007085		6.52	0.479	19.00	5.32	1270	860	0.67	82.4	0.23	1.53	47.3	0.8	9	12.60	127.0
Q007086		6.25	0.406	25.7	6.33	965	750	0.78	386	0.19	1.02	50.2	0.5	10	11.95	83.0
Q007087		4.78	0.313	12.00	7.25	548	710	1.06	112.5	0.16	1.01	46.4	0.6	9	14.80	54.4
Q007088		7.54	0.560	10.05	7.38	1280	730	0.98	92.7	0.24	3.85	49.1	5.6	11	21.9	260
Q007089		6.80	0.223	2.91	8.80	390	920	1.47	23.6	0.45	10.20	50.9	10.7	12	13.20	270
Q007090		5.34	0.042	0.67	8.31	217	690	1.67	3.75	1.86	1.95	40.7	6.2	12	8.51	121.0
Q007091		2.71	<0.005	0.03	0.11	<5	60	0.09	0.27	21.4	0.12	1.42	1.6	1	0.28	3.0
Q007092		7.11	2.61	9.02	6.94	2340	830	0.99	25.9	0.32	3.27	39.4	2.0	11	14.45	330
Q007093		5.42	0.044	0.54	8.48	218	1320	1.49	1.64	0.99	4.66	50.6	10.0	11	10.40	76.7
Q007094		9.85	0.159	2.10	8.51	1245	910	1.72	1.72	0.22	24.8	46.9	8.5	12	15.95	208
Q007095		6.41	0.221	1.21	8.72	1595	1040	1.80	1.57	0.22	25.4	44.7	9.5	11	12.05	164.5
Q007096		4.94	0.109	1.29	8.23	2110	800	1.76	2.96	0.23	5.51	46.7	5.6	11	34.4	166.0
Q007097		6.09	0.356	8.42	7.05	533	690	0.88	60.9	0.18	1.13	43.9	0.5	9	12.25	43.0
Q007098		4.84	0.087	1.49	8.24	488	790	1.99	4.83	0.21	50.3	43.5	13.8	11	16.85	469
Q007099		7.85	1.795	25.3	6.34	2780	960	0.90	83.9	0.33	19.80	52.1	1.3	9	15.05	243
Q007100		4.68	0.113	1.68	8.22	1815	820	1.61	2.35	0.27	11.65	46.2	3.3	11	15.85	485
Q006601		6.10	0.049	1.20	8.22	635	810	1.67	1.68	0.75	8.69	50.6	4.8	12	13.50	321
Q006602		5.80	0.065	0.56	8.33	258	860	1.47	1.11	0.23	13.35	43.3	11.5	12	10.25	246

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136042

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q007245		3.66	15.45	0.19	0.8	0.120	3.50	20.1	14.7	0.65	203	8.53	1.43	6.4	12.4	810
Q007246		4.95	17.15	0.15	0.7	0.148	3.28	15.6	11.6	0.50	1180	26.5	0.92	6.6	12.1	490
Q007247		5.75	16.75	0.16	0.7	0.160	3.37	17.1	10.8	0.43	1040	28.7	0.77	6.4	10.5	550
Q007248		4.98	16.70	0.17	0.8	0.220	3.37	19.1	10.7	0.38	587	25.1	0.62	6.6	8.6	570
Q007249		5.44	17.15	0.17	1.3	0.183	2.77	19.7	15.9	0.93	495	15.90	1.19	6.8	15.1	800
Q007250		3.95	17.50	0.15	0.7	0.086	3.31	13.4	18.3	1.03	438	6.47	1.58	7.1	16.3	650
Q007001		4.07	17.80	0.16	0.8	0.092	3.31	15.4	15.9	0.48	409	12.95	0.75	7.2	11.7	570
Q007002		6.44	15.85	0.20	1.0	0.811	2.78	21.6	16.3	0.76	1800	9.54	0.12	6.8	13.0	520
Q007003		4.03	16.40	0.15	0.7	0.090	2.73	17.0	20.9	0.33	296	12.60	0.12	6.8	10.1	510
Q007004		4.87	17.05	0.19	0.6	0.135	3.21	20.6	11.9	0.32	406	18.65	0.06	6.3	10.6	660
Q007005		5.69	18.10	0.21	0.8	0.136	3.46	17.9	29.3	0.95	1720	14.05	0.41	7.7	27.3	790
Q007006		4.01	18.30	0.15	1.4	0.155	2.95	21.3	31.2	0.85	991	8.45	0.63	8.4	25.3	770
Q007007		3.76	18.80	0.18	1.3	0.278	2.92	23.5	20.6	0.82	1030	8.19	1.33	7.9	28.8	760
Q007008		3.67	19.40	0.18	1.4	0.069	3.19	24.8	21.6	0.31	2100	13.40	0.06	7.4	24.2	760
Q007081		3.55	18.35	0.18	0.6	0.067	1.98	29.5	16.7	0.64	1540	1.80	1.00	8.7	5.5	640
Q007082		3.65	19.90	0.18	0.6	0.163	2.93	23.5	13.5	0.22	27900	2.54	0.07	8.1	7.8	550
Q007083		4.77	17.85	0.19	0.6	0.451	3.11	23.9	16.0	0.25	504	4.47	0.05	8.1	4.1	580
Q007084		4.92	18.35	0.21	0.5	2.12	2.62	33.8	13.2	0.21	227	118.5	0.03	6.2	1.2	620
Q007085		4.93	15.60	0.21	0.4	1.805	2.39	25.1	19.9	0.23	161	66.2	0.06	5.6	1.4	390
Q007086		3.84	18.75	0.20	0.5	1.880	3.02	26.6	10.4	0.25	149	33.6	0.05	6.6	1.3	430
Q007087		2.90	19.90	0.18	0.5	0.764	3.40	23.8	9.8	0.34	131	18.30	0.06	6.2	1.2	250
Q007088		6.51	17.15	0.24	0.5	0.830	2.63	27.0	20.6	0.23	507	10.35	0.06	7.1	4.1	610
Q007089		4.08	18.75	0.22	0.6	0.366	1.72	25.1	27.8	0.37	2450	5.79	0.35	9.5	6.5	780
Q007090		2.68	17.35	0.16	0.6	0.177	1.35	18.6	10.5	0.72	814	1.72	2.35	9.1	3.9	540
Q007091		0.53	0.35	0.05	<0.1	0.009	0.02	0.7	1.4	13.55	233	0.12	0.01	0.5	1.7	170
Q007092		5.86	18.05	0.21	0.5	0.923	2.54	21.7	23.4	0.34	272	6.06	0.12	6.7	2.8	470
Q007093		3.43	18.10	0.16	0.6	0.075	2.28	24.3	32.4	0.54	1540	5.23	0.85	8.7	5.2	620
Q007094		3.80	18.25	0.17	0.6	0.232	3.22	22.2	91.2	0.31	6350	5.84	0.08	8.3	5.0	590
Q007095		3.31	18.45	0.18	0.6	0.327	3.29	19.8	112.0	0.30	5510	1.90	0.10	8.4	4.5	660
Q007096		4.63	17.10	0.19	0.5	0.207	2.57	22.5	214	0.29	683	2.02	0.16	7.9	3.7	660
Q007097		2.71	16.55	0.18	0.6	0.341	3.16	20.9	9.8	0.26	189	1.71	0.06	6.5	1.1	300
Q007098		3.80	16.95	0.19	0.6	0.347	2.54	20.5	40.6	0.24	7140	2.68	0.09	7.0	9.3	590
Q007099		5.90	17.85	0.23	0.5	2.17	2.71	26.2	13.5	0.27	574	10.10	0.08	5.9	1.9	440
Q007100		5.34	16.90	0.22	0.5	0.430	3.34	22.1	10.5	0.29	2500	2.40	0.07	7.5	3.7	570
Q006601		3.41	17.20	0.20	0.6	0.381	2.57	26.4	12.4	0.36	2390	2.02	0.80	8.6	4.5	510
Q006602		3.52	16.20	0.17	0.6	0.123	1.86	22.4	30.1	0.55	2770	1.30	0.08	8.6	5.5	540

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136042

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q007245		25.4	105.5	0.002	0.04	3.90	8.2	1	3.3	259	0.53	0.23	8.5	0.203	1.31	3.9
Q007246		51.7	107.5	<0.002	0.11	5.81	8.7	2	4.1	207	0.55	0.41	10.3	0.192	1.65	4.5
Q007247		59.1	116.0	0.002	0.16	4.92	8.7	2	4.3	198.0	0.53	0.36	10.6	0.187	1.73	5.0
Q007248		593	135.0	<0.002	0.13	10.05	8.8	2	5.8	150.5	0.55	0.28	10.7	0.187	2.39	5.5
Q007249		222	107.5	0.003	0.08	5.51	11.3	2	4.3	256	0.54	0.20	11.0	0.229	1.78	6.3
Q007250		59.9	106.5	0.002	0.03	3.06	9.5	2	2.5	299	0.59	0.14	11.0	0.198	1.54	3.1
Q007001		77.5	121.0	0.002	0.04	10.65	9.8	2	2.4	149.0	0.59	0.25	11.7	0.203	2.03	4.9
Q007002		1295	166.0	0.002	4.55	60.8	10.2	2	8.1	95.3	0.52	0.98	13.3	0.201	2.75	5.4
Q007003		62.0	125.0	0.003	0.04	20.5	9.5	2	2.5	51.9	0.57	0.45	10.6	0.205	3.18	6.2
Q007004		118.5	131.5	0.002	0.05	31.1	10.5	3	2.9	79.0	0.50	0.13	10.7	0.202	3.12	7.1
Q007005		63.9	101.0	0.004	0.03	17.45	14.1	2	4.7	158.0	0.55	0.21	11.2	0.253	1.78	5.4
Q007006		97.9	114.0	0.002	0.03	11.20	11.5	2	3.3	153.0	0.70	0.12	12.1	0.250	2.02	4.4
Q007007		65.5	124.0	0.004	0.09	11.95	12.3	2	2.7	323	0.64	0.15	12.1	0.241	2.18	4.6
Q007008		60.3	153.5	0.004	0.07	42.4	12.0	2	2.3	56.6	0.62	0.11	12.4	0.231	3.69	6.1
Q007081		32.1	92.9	<0.002	0.02	7.11	13.4	1	1.9	178.0	0.66	<0.05	14.9	0.294	1.32	2.4
Q007082		60.4	160.0	<0.002	0.09	13.95	12.2	2	3.1	128.0	0.67	0.05	15.2	0.258	3.29	3.3
Q007083		2460	173.5	<0.002	0.29	40.2	12.1	1	6.7	79.7	0.62	0.10	13.9	0.259	3.87	6.2
Q007084		4710	146.0	<0.002	1.22	621	9.4	2	19.4	173.5	0.54	1.67	10.3	0.198	3.76	3.2
Q007085		1405	140.0	<0.002	1.26	196.5	7.6	1	12.6	161.5	0.44	0.94	10.2	0.192	3.30	2.3
Q007086		2150	177.0	<0.002	1.03	158.5	9.7	2	17.3	143.5	0.53	1.16	11.7	0.227	3.69	2.0
Q007087		524	219	<0.002	0.67	134.0	10.5	1	11.0	113.5	0.52	1.18	10.9	0.216	3.14	1.8
Q007088		297	143.0	<0.002	0.88	75.0	12.1	2	5.6	126.5	0.58	0.78	18.6	0.240	2.81	3.6
Q007089		137.5	86.0	<0.002	0.17	38.2	14.9	2	4.0	108.0	0.77	0.48	15.1	0.308	1.38	4.8
Q007090		51.4	62.8	<0.002	0.07	8.19	12.6	1	3.6	337	0.80	0.13	14.4	0.273	1.01	3.0
Q007091		4.7	1.8	<0.002	0.02	0.38	0.3	1	0.2	52.3	<0.05	<0.05	3.7	<0.005	0.02	1.2
Q007092		339	156.0	<0.002	1.03	47.0	12.9	1	9.4	142.5	0.53	1.14	16.9	0.234	2.98	3.1
Q007093		42.9	98.0	<0.002	0.04	11.85	13.1	1	1.9	177.0	0.70	0.08	14.6	0.289	1.50	2.3
Q007094		579	181.0	<0.002	0.13	39.1	14.4	2	6.7	81.5	0.64	0.13	14.2	0.291	4.65	5.5
Q007095		112.0	183.0	<0.002	0.07	20.2	15.0	2	5.6	97.8	0.61	0.17	13.4	0.296	4.44	5.1
Q007096		168.5	152.0	<0.002	0.28	23.4	13.7	1	4.5	171.5	0.60	0.11	18.1	0.260	3.36	7.3
Q007097		1260	171.5	<0.002	0.70	25.7	9.8	1	11.4	91.4	0.52	0.26	8.9	0.230	3.87	1.6
Q007098		139.5	141.0	<0.002	0.20	24.2	12.4	2	4.3	75.4	0.57	0.14	13.5	0.235	3.20	6.8
Q007099		1170	148.5	<0.002	1.27	254	9.9	2	15.8	183.5	0.44	0.28	11.4	0.210	3.77	3.2
Q007100		316	179.0	<0.002	0.50	24.5	11.4	1	5.7	73.4	0.61	0.15	15.4	0.261	4.75	5.3
Q006601		106.0	134.0	<0.002	0.12	14.40	11.6	1	5.4	131.0	0.75	0.13	15.4	0.256	3.01	4.2
Q006602		33.0	89.2	<0.002	0.04	14.10	12.5	1	3.5	56.1	0.73	0.29	15.6	0.279	1.69	4.0

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13136042

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q007245		71	3.3	13.3	131	19.6
Q007246		68	3.0	11.4	163	21.9
Q007247		69	2.8	11.9	168	22.2
Q007248		70	4.7	12.6	205	22.1
Q007249		82	5.5	17.0	246	36.9
Q007250		73	4.1	12.2	151	21.5
Q007001		77	5.1	12.2	231	22.2
Q007002		62	5.7	12.4	2360	30.3
Q007003		77	4.6	12.6	230	19.8
Q007004		83	6.4	14.7	291	18.6
Q007005		107	8.7	17.0	347	21.3
Q007006		89	3.8	16.2	306	41.0
Q007007		90	3.7	18.7	309	41.8
Q007008		86	3.8	21.4	296	44.2
Q007081		98	2.1	18.3	473	13.0
Q007082		87	4.0	29.3	5190	11.8
Q007083		93	7.3	13.9	905	12.1
Q007084		82	16.2	10.2	158	9.9
Q007085		75	11.0	4.8	162	9.5
Q007086		72	16.0	8.2	82	11.8
Q007087		80	8.4	6.5	65	11.4
Q007088		95	6.3	14.2	730	11.2
Q007089		106	2.1	22.3	718	13.3
Q007090		86	0.8	15.0	210	13.9
Q007091		2	0.1	1.0	23	0.7
Q007092		99	4.0	13.7	375	12.5
Q007093		94	3.1	16.3	388	12.0
Q007094		103	6.7	19.2	2010	14.0
Q007095		110	4.3	19.8	1480	15.6
Q007096		92	7.6	12.6	715	11.7
Q007097		91	11.2	4.6	116	13.0
Q007098		83	3.0	24.1	2510	13.1
Q007099		77	15.4	8.7	477	11.3
Q007100		90	9.7	11.4	1120	12.2
Q006601		86	4.8	17.9	1060	12.5
Q006602		88	23.9	22.2	1120	11.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 9- AUG- 2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13136042

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-AUG-2013
Account: ROCKHA

CERTIFICATE WH13138748

Project: KLAZA

P.O. No.: Batch 38

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13138748

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006603		6.80	0.026	0.42	8.64	385	1010	1.37	2.42	0.32	5.43	45.1	3.9	10	9.58	262
Q006604		6.03	0.025	0.45	8.20	472	730	1.95	0.51	1.20	8.78	42.3	6.3	10	9.00	608
Q006605		5.40	0.020	1.30	8.11	741	500	1.78	1.23	0.25	4.48	45.4	3.1	9	10.20	540
Q006606		5.38	0.017	0.51	8.55	1070	390	1.79	1.90	0.41	5.13	52.9	5.2	11	11.85	456
Q006607		5.53	4.56	19.60	7.77	3430	700	1.15	60.8	0.13	3.04	29.7	0.9	9	12.90	148.0
Q006608		6.82	0.180	3.71	7.41	1735	450	1.15	4.27	0.24	2.47	44.0	3.9	10	14.25	332
Q006609		7.97	0.209	1.89	7.39	1705	630	1.35	3.16	0.27	9.84	48.1	10.3	10	21.0	438
Q006610		10.13	0.040	0.55	7.87	323	1170	1.60	1.10	1.09	3.23	52.6	10.6	12	11.05	99.5
Q006611		6.38	0.038	0.62	8.03	318	680	1.39	0.96	0.36	3.63	51.4	7.3	11	9.51	88.0
Q006612		8.25	0.023	0.44	8.22	120.5	590	1.34	0.52	0.56	0.87	54.9	6.4	11	11.30	34.8
Q006613		6.45	0.133	1.29	7.63	533	1150	1.41	2.66	0.73	3.30	57.2	10.0	11	10.75	75.4
Q006614		5.04	0.080	0.93	8.25	676	1330	1.32	1.79	0.60	11.35	55.4	11.3	12	9.37	118.0
Q006615		0.26	0.807	11.45	6.50	1575	1260	1.54	11.75	1.92	32.9	51.2	17.4	18	13.30	289
Q006616		6.30	0.046	0.53	7.21	338	920	1.35	0.86	0.33	4.64	44.9	5.7	6	8.41	89.8
Q006617		4.21	0.113	0.55	7.32	709	1070	1.62	0.84	0.70	4.29	44.7	9.0	8	20.4	45.7
Q006618		7.20	0.511	2.08	7.73	900	780	1.48	2.00	1.08	2.78	51.5	6.8	10	7.90	97.4
Q006619		2.87	<0.005	0.01	0.15	<5	80	0.08	0.04	20.7	0.08	1.73	1.0	<1	0.31	3.6
Q006620		5.65	0.246	0.90	7.80	914	920	1.62	1.64	1.17	5.21	52.0	7.4	11	7.25	94.1
Q006621		6.76	0.035	0.42	7.50	410	940	1.62	0.74	0.73	5.22	48.5	8.0	10	7.91	62.3
Q006622		5.38	0.047	0.96	7.66	375	3990	1.53	1.02	0.25	4.95	44.1	4.0	9	10.35	82.4
Q006623		4.06	0.037	0.81	7.67	144.0	350	1.50	0.87	0.56	1.14	54.7	3.4	9	7.94	143.5
Q006624		5.18	0.156	1.13	8.21	544	450	1.74	1.77	1.62	2.19	42.3	3.1	12	9.12	52.7
Q006625		8.10	0.053	0.55	8.25	281	600	1.44	1.23	1.45	1.55	45.1	4.1	12	8.69	41.0
Q006626		4.41	0.162	1.83	7.37	647	540	1.59	4.07	0.26	3.82	31.2	3.2	7	7.95	134.0
Q006627		6.88	0.265	1.52	8.19	657	660	1.46	2.43	0.25	2.94	45.3	7.1	9	8.47	95.6
Q006628		4.57	0.352	2.41	8.43	850	790	1.61	6.29	0.92	3.68	50.0	6.4	11	9.41	112.0
Q006629		4.44	0.456	5.78	8.69	1590	630	1.73	15.05	0.46	6.85	48.9	8.2	13	10.75	426
Q006630		5.98	0.158	1.82	8.66	890	420	1.85	4.42	0.70	4.75	47.0	7.1	11	7.29	309
Q006631		7.02	0.180	4.28	9.08	1295	540	1.88	8.45	0.23	6.23	49.2	7.4	11	9.30	412
Q006632		4.01	0.220	3.84	8.71	1940	960	2.13	8.46	0.62	17.85	55.4	18.5	10	13.15	763
Q006633		4.75	0.399	9.98	7.67	1460	780	1.52	32.8	0.42	6.06	44.7	5.3	12	12.70	237
Q006634		4.98	0.410	5.70	7.93	1020	480	1.66	13.25	0.23	5.50	42.5	6.7	12	10.45	178.5
Q006635		4.51	0.236	4.10	7.52	1870	650	1.22	8.11	0.30	5.10	45.0	1.2	13	20.9	178.5
Q006636		7.16	4.15	94.1	4.02	8480	440	0.67	1105	0.09	2.33	23.0	0.5	19	5.22	58.4
Q006637		5.84	5.55	68.0	3.20	>10000	350	0.50	207	0.08	3.01	17.55	0.5	42	4.49	95.7
Q006638		4.83	2.69	22.1	5.94	5810	1580	0.89	130.0	0.18	1.80	37.9	1.0	17	10.80	61.9

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	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006603		3.43	16.15	0.11	0.6	0.085	2.12	24.8	25.9	0.68	439	0.75	0.15	8.3	4.3	580
Q006604		3.30	16.10	0.11	0.6	0.105	1.66	21.2	18.8	0.64	1810	1.59	1.49	7.7	5.5	580
Q006605		2.63	15.40	0.14	0.6	0.395	2.13	23.8	28.3	0.35	260	1.98	0.29	7.6	3.5	440
Q006606		3.91	17.25	0.13	0.6	0.435	1.56	26.5	29.7	0.38	427	2.32	0.50	7.7	5.2	420
Q006607		2.48	22.3	0.13	0.5	1.640	3.58	12.9	20.9	0.31	134	6.60	0.08	5.7	1.2	350
Q006608		5.26	17.35	0.11	0.6	0.797	2.53	22.3	32.6	0.24	319	4.85	0.06	7.2	2.9	400
Q006609		4.77	16.10	0.12	0.6	0.659	1.96	22.8	39.2	0.19	2410	3.28	0.13	6.8	4.2	560
Q006610		3.55	16.65	0.12	0.6	0.093	2.16	27.2	19.1	0.60	1210	1.87	1.49	7.6	5.6	540
Q006611		2.72	16.35	0.11	0.6	0.102	1.34	23.1	31.5	0.35	1100	1.59	0.40	7.9	4.2	550
Q006612		2.45	17.45	0.10	0.6	0.132	1.20	24.4	29.9	0.64	1020	1.36	0.98	8.2	3.9	570
Q006613		3.54	16.30	0.11	0.6	0.127	2.28	28.7	23.3	0.49	1160	2.37	1.17	7.7	5.1	540
Q006614		4.15	17.10	0.14	0.6	0.073	2.20	29.2	26.6	0.36	2670	3.57	0.59	8.1	5.8	600
Q006615		6.60	15.05	0.13	1.0	0.774	2.93	27.8	20.3	0.78	1860	8.93	0.13	6.2	12.5	520
Q006616		2.39	14.30	0.12	0.8	0.056	2.47	23.6	26.3	0.29	1390	2.00	0.35	5.4	3.8	340
Q006617		3.85	15.40	0.10	0.7	0.064	2.18	24.4	21.0	0.68	2220	2.05	0.78	6.3	4.7	430
Q006618		3.83	17.05	0.13	0.5	0.181	1.69	27.1	22.0	0.83	2000	1.61	1.07	7.9	5.0	560
Q006619		0.52	0.39	0.11	<0.1	0.006	0.03	0.9	1.3	12.75	225	0.11	0.03	0.3	2.2	190
Q006620		3.64	16.10	0.14	0.6	0.121	1.94	26.5	17.0	0.77	1030	1.48	1.46	7.1	5.2	550
Q006621		3.32	15.80	0.12	0.5	0.079	2.04	25.2	20.3	0.58	1170	1.61	1.02	7.4	5.3	530
Q006622		2.47	16.15	0.13	0.6	0.210	1.70	21.8	78.0	0.16	1640	3.29	0.17	6.9	4.0	530
Q006623		1.86	17.00	0.10	0.7	0.273	0.93	22.0	27.3	0.56	519	0.69	1.00	8.1	2.8	550
Q006624		2.49	18.95	0.27	0.7	0.180	0.99	19.6	20.2	0.82	689	1.24	2.28	8.0	4.0	630
Q006625		2.39	18.60	0.30	0.7	0.125	1.14	20.0	21.6	0.66	689	1.03	2.08	8.1	4.7	630
Q006626		2.15	16.20	0.29	0.8	0.186	2.23	13.8	47.6	0.19	912	2.30	0.23	6.4	3.1	410
Q006627		2.62	17.45	0.27	0.8	0.145	1.98	22.0	50.5	0.22	1060	1.76	0.24	7.9	3.8	570
Q006628		3.64	18.75	0.29	0.6	0.229	2.20	26.3	15.6	0.61	1390	2.22	1.33	7.8	4.8	660
Q006629		4.96	20.3	0.24	0.7	0.343	2.39	26.1	35.5	0.76	1190	5.60	0.35	6.9	4.6	600
Q006630		3.02	19.10	0.28	0.7	0.168	1.49	22.4	31.3	0.67	1190	1.71	1.12	8.1	4.4	630
Q006631		2.95	19.05	0.29	0.6	0.276	1.83	22.8	48.4	0.18	1940	2.38	0.06	8.0	4.6	690
Q006632		4.14	18.25	0.26	0.6	0.376	1.44	29.5	35.5	0.39	7090	4.47	0.64	7.3	8.4	740
Q006633		3.68	19.15	0.25	0.6	0.859	2.45	25.8	21.8	0.38	2060	4.45	0.43	6.9	3.6	560
Q006634		2.63	17.45	0.27	0.6	0.307	1.86	22.3	35.9	0.20	1790	3.40	0.06	7.5	3.7	590
Q006635		6.29	19.30	0.23	0.6	0.858	3.34	24.5	16.8	0.33	285	3.33	0.08	6.8	1.8	480
Q006636		2.66	12.80	0.20	0.6	2.07	1.96	11.5	24.0	0.18	130	11.35	0.03	3.6	1.4	300
Q006637		2.90	10.40	0.14	0.5	3.59	1.57	8.7	19.8	0.14	112	8.36	0.04	3.6	1.1	330
Q006638		3.63	15.95	0.19	0.6	1.735	2.85	20.4	16.5	0.27	181	10.45	0.14	5.3	1.3	330

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006603		30.5	90.2	<0.002	0.17	9.89	12.1	1	2.6	122.5	0.75	0.09	15.4	0.302	1.32	4.1
Q006604		30.0	84.7	<0.002	0.03	9.57	11.6	2	3.4	204	0.66	0.05	13.7	0.284	1.55	6.1
Q006605		53.3	121.0	<0.002	0.08	23.5	11.4	1	4.2	59.1	0.66	0.10	18.9	0.260	2.37	5.9
Q006606		70.3	95.0	<0.002	0.20	26.0	13.5	1	3.9	138.5	0.68	0.30	25.1	0.284	1.74	4.7
Q006607		225	221	<0.002	0.32	210	19.5	1	19.0	70.2	0.50	3.69	10.4	0.222	2.95	3.4
Q006608		70.4	184.5	<0.002	0.67	79.3	9.2	1	4.9	120.5	0.61	0.38	19.0	0.263	2.70	3.6
Q006609		58.3	129.5	<0.002	0.43	50.7	11.4	1	3.2	123.0	0.65	0.34	26.4	0.239	1.98	4.7
Q006610		45.0	110.0	<0.002	0.08	11.20	11.4	1	1.9	218	0.64	0.08	13.1	0.277	1.42	2.6
Q006611		41.5	77.4	<0.002	0.02	19.50	11.6	1	2.8	64.0	0.70	0.13	15.0	0.283	0.94	2.8
Q006612		34.3	59.1	<0.002	0.01	7.66	12.2	1	3.3	117.0	0.63	0.05	14.6	0.301	0.80	1.8
Q006613		105.0	99.1	<0.002	0.06	19.00	11.3	2	2.3	181.0	0.61	0.12	15.0	0.273	1.21	2.5
Q006614		90.4	97.6	<0.002	0.03	19.35	12.7	1	1.9	127.0	0.68	0.08	13.6	0.307	1.21	2.7
Q006615		1300	177.0	<0.002	4.82	65.6	9.4	2	8.0	97.0	0.51	1.11	11.9	0.212	2.64	5.2
Q006616		77.3	116.5	<0.002	0.03	10.95	6.5	1	1.5	76.3	0.52	0.05	18.8	0.156	1.60	2.0
Q006617		45.1	102.5	<0.002	0.01	7.92	9.4	1	2.1	130.0	0.55	0.06	20.5	0.214	1.29	2.0
Q006618		46.9	86.6	<0.002	0.03	9.58	12.0	1	4.4	175.0	0.70	0.12	13.2	0.293	1.03	2.1
Q006619		1.5	1.7	<0.002	<0.01	0.12	0.4	1	<0.2	51.2	<0.05	<0.05	0.2	0.011	0.02	0.6
Q006620		85.6	99.5	<0.002	0.05	8.41	11.5	1	3.4	209	0.57	0.17	12.2	0.277	1.18	2.2
Q006621		37.9	104.5	<0.002	0.03	9.62	10.9	1	2.4	157.5	0.65	0.09	12.1	0.269	1.46	2.1
Q006622		63.0	94.3	<0.002	0.10	36.4	9.7	1	4.2	75.7	0.62	0.22	14.9	0.239	1.54	2.5
Q006623		35.1	52.7	<0.002	0.01	9.67	11.6	1	5.7	107.5	0.71	0.12	18.8	0.273	0.77	1.9
Q006624		43.8	53.8	<0.002	0.03	5.14	12.8	1	5.1	283	0.72	0.26	13.0	0.278	0.74	2.1
Q006625		32.2	60.9	<0.002	0.04	7.97	12.7	<1	3.6	276	0.67	0.10	12.3	0.300	0.82	2.1
Q006626		126.5	137.5	<0.002	0.04	22.9	6.7	<1	3.0	66.2	0.59	0.25	20.4	0.160	1.96	1.8
Q006627		92.9	115.0	<0.002	0.03	25.8	11.1	1	3.7	52.9	0.76	0.23	19.2	0.238	1.71	2.4
Q006628		158.0	126.5	<0.002	0.08	13.85	14.2	1	4.0	183.0	0.63	0.44	13.2	0.302	2.05	2.2
Q006629		220	158.5	<0.002	0.09	17.95	18.8	1	6.8	77.1	0.58	0.61	12.8	0.249	2.24	3.2
Q006630		68.3	101.0	<0.002	0.02	12.95	14.2	1	4.2	144.5	0.64	0.20	13.1	0.291	1.42	3.0
Q006631		214	118.5	<0.002	0.05	35.2	15.1	1	4.5	43.0	0.67	0.46	15.1	0.302	1.94	5.4
Q006632		190.5	88.8	<0.002	0.06	22.8	18.4	1	3.8	128.0	0.62	0.98	12.6	0.281	1.64	7.1
Q006633		567	150.0	<0.002	0.34	51.5	16.9	1	7.9	153.5	0.59	1.43	12.6	0.267	2.39	3.3
Q006634		293	118.0	<0.002	0.25	35.7	16.5	1	5.5	90.9	0.60	1.30	12.8	0.290	1.98	3.0
Q006635		311	219	<0.002	1.26	28.9	15.7	1	7.0	188.0	0.56	0.97	16.9	0.256	3.51	2.1
Q006636		1940	117.0	<0.002	0.54	210	25.9	3	16.2	70.2	0.35	5.32	4.4	0.155	1.71	2.0
Q006637		1690	103.0	<0.002	0.44	200	61.1	2	18.2	40.6	0.33	7.79	2.9	0.164	1.32	1.7
Q006638		785	177.0	<0.002	0.82	66.6	18.6	1	9.4	107.5	0.44	34.2	6.7	0.212	2.61	1.5

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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13138748

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
Q006603		91	5.2	14.0	855	11.7
Q006604		90	1.7	19.7	1020	12.1
Q006605		79	2.0	15.0	562	12.9
Q006606		97	1.9	14.1	836	14.3
Q006607		185	6.7	5.7	141	11.6
Q006608		105	2.1	10.1	491	13.0
Q006609		98	1.8	14.4	689	12.6
Q006610		91	1.7	15.9	233	13.3
Q006611		89	1.4	17.7	271	12.6
Q006612		92	2.2	14.1	84	13.1
Q006613		87	2.1	15.8	269	14.5
Q006614		97	1.9	19.6	557	13.1
Q006615		63	5.6	11.4	2450	27.7
Q006616		47	2.0	12.2	309	20.8
Q006617		67	1.4	18.2	397	16.3
Q006618		91	2.7	20.3	269	11.1
Q006619		4	0.1	1.0	20	1.1
Q006620		87	2.5	15.5	286	13.1
Q006621		83	1.6	14.7	307	10.9
Q006622		79	3.2	12.4	340	14.3
Q006623		82	1.9	13.4	147	14.5
Q006624		89	1.3	15.9	173	13.4
Q006625		93	2.0	12.9	144	13.8
Q006626		48	1.9	12.7	292	22.2
Q006627		77	3.7	15.3	234	17.8
Q006628		103	4.3	18.3	266	12.9
Q006629		125	4.2	25.2	533	13.9
Q006630		97	1.7	20.0	459	13.7
Q006631		96	4.2	20.0	563	12.7
Q006632		102	1.7	40.2	1380	11.8
Q006633		97	6.5	19.1	505	12.7
Q006634		91	6.8	17.9	455	12.5
Q006635		103	9.2	12.8	491	12.0
Q006636		109	8.4	8.6	64	9.8
Q006637		112	10.2	6.6	84	12.5
Q006638		82	6.3	8.1	162	12.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13138748

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

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Finalized Date: 15-AUG-2013
Account: ROCKHA

CERTIFICATE WH13138749

Project: KLAZA

P.O. No.: Batch 39

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH13138749

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006639		4.62	0.068	0.68	7.72	1445	840	1.31	2.71	0.51	2.69	50.7	5.1	11	13.95	275
Q006640		3.08	<0.005	0.02	0.06	<5	40	0.06	0.03	20.4	0.08	1.00	0.6	1	0.12	2.8
Q006641		5.51	0.067	0.45	8.51	907	1040	1.69	0.89	0.91	5.12	51.8	12.1	11	10.80	272
Q006642		4.13	0.083	0.42	8.18	457	970	1.54	0.89	1.48	2.50	53.6	9.8	13	8.64	51.5
Q006643		4.63	0.152	0.86	8.32	687	1170	1.58	1.43	0.99	4.65	46.9	10.9	14	10.15	176.5
Q006644		4.79	0.143	0.46	8.77	561	1060	1.27	0.67	0.31	3.66	42.2	8.3	10	11.85	157.5
Q006645		6.17	0.130	0.72	8.36	324	990	1.54	0.81	1.12	2.34	48.2	7.2	11	9.76	59.4
Q006646		0.23	0.380	3.71	6.60	684	970	1.29	3.37	2.01	10.10	46.6	10.9	24	12.00	294
Q006647		6.75	0.044	0.36	8.44	99.3	930	1.43	0.55	0.53	0.78	48.6	7.6	10	10.60	22.1
Q006648		5.39	0.246	0.70	8.31	173.5	840	1.46	1.17	0.46	2.15	52.2	6.5	11	10.65	59.8
Q006649		4.02	0.021	0.31	8.73	42.5	1260	1.21	0.66	0.31	0.93	53.4	6.5	10	9.89	41.4
Q006650		5.11	0.169	0.70	8.70	68.1	960	1.19	1.98	0.30	0.98	48.1	6.1	10	10.10	54.3
Q006651		4.75	0.015	0.18	8.24	171.5	1200	1.13	0.35	0.20	3.66	44.8	8.1	9	11.25	28.8
Q006652		6.58	0.190	1.46	7.40	667	1020	1.36	3.19	0.25	14.25	46.1	7.6	10	27.5	52.4
Q006653		8.03	0.041	0.42	7.98	273	930	1.41	0.69	0.87	2.53	48.2	8.5	10	11.05	69.2
Q006654		6.83	0.615	0.49	8.26	335	1070	1.46	0.99	1.05	1.08	50.7	7.8	12	11.00	22.5
Q006655		3.67	0.111	0.84	8.71	643	800	1.61	1.37	0.58	1.60	55.2	6.8	12	15.80	54.6
Q006656		9.23	0.147	0.89	8.09	356	1140	1.52	1.88	1.35	1.38	50.7	9.5	15	12.55	33.1
Q006657		3.57	0.281	1.25	8.34	596	1140	1.56	2.32	1.19	4.38	50.6	9.1	13	13.10	56.9
Q006658		4.66	0.057	0.60	8.05	464	1330	1.51	0.69	0.82	2.57	42.4	10.3	11	13.05	24.1
Q006659		7.43	0.105	1.19	8.22	902	1700	1.72	1.23	0.37	26.3	45.6	13.1	10	25.2	196.5
Q006660		5.83	0.121	1.13	8.10	861	1380	1.45	0.83	0.24	8.00	42.7	6.9	10	13.05	108.0
Q006661		3.55	0.195	0.92	8.32	1475	1230	1.57	0.79	0.30	6.27	49.1	8.3	11	16.35	112.5
Q006662		4.60	0.996	1.27	8.37	9200	1800	1.65	0.73	0.39	23.0	46.3	9.8	11	32.5	186.0
Q006663		7.04	1.625	1.57	7.91	>10000	2240	1.69	0.60	0.29	14.55	49.0	2.3	10	39.3	150.0
Q006664		4.55	1.595	1.53	8.11	>10000	2060	1.66	0.64	0.46	26.6	45.2	8.2	10	41.1	303
Q006665		4.96	0.177	0.81	8.44	2500	1100	1.80	0.50	0.30	23.6	58.4	17.0	9	28.2	194.5
Q006666		7.46	0.472	6.11	7.20	1565	840	1.19	6.98	0.23	9.40	49.2	6.7	11	15.85	60.5
Q006667		4.93	0.093	0.72	8.38	554	1140	1.58	1.29	0.24	12.50	49.7	11.1	11	12.30	130.5
Q006668		5.32	0.053	0.60	9.45	237	1260	1.53	0.96	0.35	3.34	44.4	10.5	11	16.70	46.7
Q006669		7.55	0.064	0.69	7.74	290	1010	1.40	0.70	0.34	4.23	49.7	7.7	10	11.95	59.9
Q006670		8.62	0.084	0.96	8.25	453	1100	1.37	1.14	0.87	8.10	49.7	8.5	11	11.05	54.8
Q006671		6.99	0.130	1.30	8.32	524	990	1.38	1.16	0.61	4.80	51.5	8.1	13	10.95	41.0
Q006672		4.39	0.516	1.78	7.69	1725	1190	1.44	0.68	0.67	6.95	50.3	9.6	11	15.40	38.1
Q006673		4.70	1.615	9.32	6.68	6900	1600	1.49	1.45	0.32	22.1	38.0	6.0	10	13.05	101.0
Q006674		4.81	0.075	1.33	8.10	688	1080	1.36	0.62	0.21	5.89	39.3	3.2	9	14.95	48.0

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Finalized Date: 15- AUG- 2013
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13138749

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006639		4.97	15.85	0.12	0.7	0.712	2.31	32.6	17.6	0.38	417	1.62	0.87	6.6	3.9	470
Q006640		0.47	0.16	<0.05	<0.1	<0.005	0.02	0.5	1.1	12.85	205	0.11	<0.01	0.1	1.3	160
Q006641		4.03	15.40	0.11	0.6	0.107	2.19	30.3	15.9	0.73	2820	2.34	1.46	6.8	5.8	600
Q006642		3.39	16.00	0.12	0.6	0.082	1.97	26.0	12.5	0.77	1380	1.67	1.96	7.6	5.4	600
Q006643		3.92	16.15	0.12	0.6	0.071	2.21	25.7	17.2	0.83	1640	2.03	1.29	7.2	5.5	580
Q006644		3.47	16.20	0.09	0.6	0.055	2.26	24.3	29.0	0.42	937	1.15	0.13	7.1	3.9	610
Q006645		3.46	16.25	0.09	0.6	0.069	2.15	26.5	14.1	0.76	903	1.21	1.59	7.5	4.4	610
Q006646		4.76	13.65	0.12	1.1	0.264	2.82	26.4	24.2	0.74	1820	13.20	0.15	5.5	13.3	490
Q006647		3.25	16.80	0.11	0.6	0.055	2.18	25.5	21.9	0.76	786	0.99	0.93	8.0	4.2	590
Q006648		3.00	15.90	0.12	0.7	0.085	1.92	25.4	24.6	0.47	1540	1.86	0.60	7.4	4.3	590
Q006649		3.03	16.75	0.09	0.5	0.060	2.06	27.0	27.3	0.34	1060	0.96	0.15	7.5	3.3	600
Q006650		3.25	17.10	0.12	0.7	0.066	2.13	26.0	27.5	0.50	718	0.75	0.12	8.1	3.6	600
Q006651		2.81	15.35	0.09	0.6	0.045	2.07	23.0	25.4	0.12	1560	1.28	0.08	8.8	3.4	560
Q006652		3.25	15.85	0.11	0.6	0.096	2.62	26.1	25.9	0.26	2720	3.58	0.15	7.0	3.3	510
Q006653		2.91	15.35	0.11	0.6	0.104	2.11	25.9	19.0	0.39	1220	1.61	1.05	7.1	4.3	580
Q006654		3.05	16.20	0.10	0.6	0.109	2.15	26.7	16.8	0.43	1020	1.61	1.22	7.7	5.0	590
Q006655		2.44	16.95	0.14	0.7	0.133	2.37	30.4	22.2	0.30	1700	1.94	0.83	8.4	4.4	650
Q006656		3.40	16.15	0.10	0.6	0.088	2.11	27.1	16.7	0.72	780	1.92	1.62	7.6	5.6	620
Q006657		3.55	16.05	0.10	0.6	0.087	2.20	26.4	15.2	0.64	1160	2.26	1.71	7.0	5.2	620
Q006658		3.51	16.60	0.10	0.6	0.061	2.15	22.2	19.2	0.75	928	1.42	0.86	7.4	5.5	610
Q006659		2.91	17.10	0.13	0.6	0.124	3.01	32.3	60.0	0.34	14550	6.94	0.16	7.5	5.5	620
Q006660		1.95	16.80	0.14	0.6	0.104	3.36	31.9	29.6	0.29	7780	4.61	0.06	7.0	4.0	510
Q006661		2.49	16.90	0.12	0.6	0.094	3.00	30.6	77.4	0.26	3430	2.83	0.14	7.1	4.7	570
Q006662		3.44	16.70	0.13	0.5	0.059	3.03	32.4	54.5	0.24	6790	3.27	0.09	7.5	4.6	510
Q006663		3.63	15.80	0.13	0.6	0.046	2.98	29.4	58.4	0.22	1280	0.90	0.08	7.8	1.8	390
Q006664		3.90	16.50	0.12	0.5	0.044	2.95	29.6	39.4	0.23	3780	1.21	0.07	7.5	2.7	560
Q006665		3.86	17.55	0.12	0.7	0.066	2.97	33.9	94.4	0.23	8400	3.51	0.10	10.1	5.8	530
Q006666		3.47	16.20	0.12	0.8	0.158	2.97	26.7	44.3	0.25	4650	13.55	0.09	7.8	3.3	480
Q006667		3.96	16.85	0.11	0.5	0.110	2.29	28.5	39.5	0.23	4670	3.36	0.08	7.6	5.5	600
Q006668		5.33	21.9	0.10	0.7	0.094	1.94	22.0	58.6	0.49	1800	2.16	0.10	8.9	5.5	680
Q006669		3.43	16.80	0.12	0.5	0.101	2.30	25.6	39.8	0.35	1940	2.08	0.17	7.8	4.2	600
Q006670		3.32	17.05	0.10	0.6	0.094	2.32	26.7	20.4	0.36	1710	1.69	0.89	7.6	4.6	610
Q006671		3.27	16.90	0.09	0.7	0.110	2.40	26.7	24.5	0.33	2180	2.50	0.57	8.3	5.1	610
Q006672		3.50	16.45	0.14	0.6	0.090	2.75	32.8	22.3	0.40	5570	3.36	0.33	7.2	5.1	500
Q006673		4.82	14.45	0.13	0.5	0.160	2.90	34.2	14.0	0.28	9340	6.06	0.04	5.4	3.1	410
Q006674		2.11	16.75	0.11	0.7	0.119	3.05	25.5	16.5	0.25	6690	3.77	0.05	7.4	3.3	410

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Finalized Date: 15- AUG- 2013
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CERTIFICATE OF ANALYSIS WH13138749

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006639		95.9	123.0	<0.002	0.41	10.65	12.1	1	2.3	205	0.50	1.75	12.9	0.280	1.85	2.7
Q006640		1.7	0.9	<0.002	<0.01	0.05	0.2	<1	<0.2	48.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
Q006641		69.9	111.5	<0.002	0.03	8.05	12.6	1	1.8	211	0.59	0.09	12.6	0.291	1.73	2.7
Q006642		59.3	92.0	<0.002	0.04	6.11	11.6	1	2.0	289	0.64	0.05	11.5	0.296	1.32	2.0
Q006643		119.0	104.0	<0.002	0.02	10.20	12.5	1	2.5	220	0.61	0.07	11.5	0.284	1.13	2.2
Q006644		76.2	104.0	<0.002	0.01	16.95	10.9	1	2.1	70.9	0.63	<0.05	11.6	0.286	1.25	2.4
Q006645		119.0	108.5	<0.002	0.05	8.35	11.4	1	2.3	234	0.64	<0.05	12.3	0.291	1.39	2.0
Q006646		467	157.0	0.003	2.60	25.0	8.3	1	5.4	101.0	0.46	0.26	9.9	0.202	2.26	4.6
Q006647		67.4	107.5	<0.002	0.02	10.05	11.2	1	1.8	128.0	0.71	<0.05	12.6	0.288	1.45	1.8
Q006648		85.4	98.5	<0.002	0.02	11.55	11.4	1	2.4	97.8	0.64	0.08	13.8	0.279	1.40	2.1
Q006649		27.7	97.1	<0.002	0.01	15.50	11.2	1	1.4	57.7	0.61	<0.05	11.9	0.303	1.28	1.6
Q006650		38.4	113.5	<0.002	0.01	11.20	11.6	1	2.2	50.7	0.79	0.11	13.1	0.290	1.29	2.1
Q006651		21.6	90.5	<0.002	0.01	18.35	10.5	1	1.1	64.5	0.86	<0.05	11.6	0.284	1.20	2.0
Q006652		147.5	141.5	<0.002	0.18	27.2	10.2	<1	5.1	98.3	0.60	0.11	10.3	0.260	2.42	3.1
Q006653		62.1	103.0	<0.002	0.02	11.15	10.6	1	2.2	160.5	0.57	0.05	11.7	0.276	1.66	2.0
Q006654		63.1	100.5	<0.002	0.02	9.71	10.6	1	2.1	195.0	0.64	0.06	11.8	0.288	1.38	2.1
Q006655		87.8	125.0	<0.002	0.03	16.65	11.9	1	3.2	118.5	0.71	0.09	12.3	0.304	2.23	2.6
Q006656		86.4	97.8	<0.002	0.06	9.79	11.2	1	2.1	274	0.60	0.08	9.9	0.303	1.25	1.7
Q006657		123.0	105.5	<0.002	0.07	11.55	11.3	<1	2.1	269	0.53	0.09	11.2	0.298	1.32	1.9
Q006658		41.5	93.4	<0.002	0.02	8.75	13.0	<1	1.5	168.5	0.60	<0.05	10.1	0.289	1.14	1.8
Q006659		303	158.0	<0.002	0.05	15.90	15.4	1	4.5	138.5	0.62	0.44	11.6	0.289	3.58	3.5
Q006660		208	183.0	<0.002	0.01	13.25	12.5	1	3.7	77.0	0.59	0.40	10.5	0.278	3.99	2.3
Q006661		154.0	169.0	<0.002	0.03	17.65	12.3	1	2.8	52.8	0.61	0.16	11.3	0.273	3.59	2.7
Q006662		58.3	180.5	<0.002	0.04	39.4	12.8	1	1.7	171.0	0.60	0.75	11.3	0.288	5.92	3.5
Q006663		41.1	183.0	<0.002	0.33	44.4	12.7	1	1.5	233	0.68	1.05	11.8	0.285	6.19	3.2
Q006664		46.5	194.0	<0.002	0.04	55.7	12.6	2	1.5	180.5	0.61	0.86	10.8	0.278	6.02	4.0
Q006665		51.0	168.5	<0.002	0.14	24.1	14.6	2	2.6	125.0	0.83	0.09	13.1	0.291	4.80	4.6
Q006666		860	170.0	<0.002	0.48	62.2	11.1	1	6.8	174.5	0.67	0.36	10.3	0.257	3.49	3.2
Q006667		79.0	132.5	<0.002	0.06	19.75	13.3	1	2.6	50.7	0.59	0.05	11.9	0.290	2.32	3.7
Q006668		51.9	105.0	<0.002	0.02	14.95	13.8	1	2.4	56.7	0.74	<0.05	12.7	0.334	1.97	2.7
Q006669		163.5	125.0	<0.002	0.02	20.5	11.8	1	2.3	59.3	0.67	0.05	12.6	0.276	2.17	2.9
Q006670		196.5	116.0	<0.002	0.04	14.80	12.1	1	2.6	165.0	0.65	0.07	11.7	0.297	1.71	2.4
Q006671		248	121.5	<0.002	0.05	17.85	11.7	1	2.7	124.5	0.74	0.12	13.1	0.301	1.81	2.6
Q006672		382	147.5	<0.002	0.03	26.2	11.9	1	2.4	104.0	0.66	0.05	11.8	0.268	2.72	2.8
Q006673		3390	181.0	<0.002	0.03	70.8	11.4	1	6.5	50.9	0.48	0.10	9.0	0.201	2.65	3.7
Q006674		237	167.5	<0.002	0.02	22.2	10.5	1	4.5	56.3	0.70	0.09	13.7	0.252	3.25	2.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13138749

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q006639		96	2.1	20.5	435	10.9
Q006640		2	0.1	0.7	18	<0.5
Q006641		96	2.0	23.9	647	12.2
Q006642		96	2.2	16.3	265	14.9
Q006643		95	3.7	22.0	395	12.8
Q006644		94	3.8	18.7	318	11.7
Q006645		95	2.2	16.1	174	12.8
Q006646		64	4.9	10.4	841	28.6
Q006647		94	2.4	15.0	130	12.8
Q006648		91	2.1	18.0	196	13.7
Q006649		96	4.1	14.4	132	11.0
Q006650		90	3.3	17.8	119	13.1
Q006651		82	3.1	15.0	399	11.4
Q006652		82	5.9	18.1	1090	11.8
Q006653		87	2.6	14.4	385	11.6
Q006654		93	1.7	14.2	141	13.0
Q006655		97	1.7	20.1	221	16.0
Q006656		94	1.5	14.7	183	15.1
Q006657		95	2.0	15.4	487	13.9
Q006658		97	2.0	14.3	355	11.4
Q006659		96	5.2	30.2	2070	12.3
Q006660		88	4.3	15.9	645	12.8
Q006661		94	3.6	18.5	659	12.0
Q006662		91	10.7	29.4	1320	10.5
Q006663		89	12.1	18.8	750	10.5
Q006664		88	11.4	32.0	758	10.7
Q006665		93	6.1	26.0	1940	13.4
Q006666		77	5.0	14.1	1020	20.7
Q006667		96	3.7	21.0	1190	10.9
Q006668		129	7.1	17.5	463	13.7
Q006669		94	3.3	15.0	484	11.5
Q006670		97	3.1	14.9	500	11.9
Q006671		94	3.0	14.8	381	15.1
Q006672		89	3.9	21.0	555	13.7
Q006673		72	4.4	35.5	1140	11.6
Q006674		73	3.0	16.0	650	13.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13138749

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method:	REE's may not be totally soluble in this method. ME- MS61
Applies to Method:	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL) ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	PUL- 31
PUL- QC	SPL- 21	WEI- 21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-AUG-2013
Account: ROCKHA

CERTIFICATE WH13139650

Project: KLAZA

P.O. No.: Batch 40

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

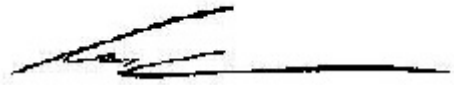
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139650

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006675		3.50	0.063	0.93	8.52	335	880	1.63	0.74	0.39	3.83	58.9	7.2	11	15.55	36.0
Q006676		9.99	0.069	1.44	8.27	379	1010	1.38	2.06	0.28	4.29	48.5	6.5	12	11.85	64.4
Q006677		0.25	0.358	4.28	6.75	674	470	1.40	3.42	2.11	10.70	49.8	11.8	24	12.55	315
Q006678		4.75	0.042	0.59	8.54	123.5	990	1.44	0.52	0.30	3.04	51.8	9.1	11	14.95	31.1
Q006679		5.46	1.395	16.40	7.20	714	520	0.99	13.00	0.13	0.82	40.3	0.5	8	11.50	61.8
Q006680		6.52	0.291	6.04	7.86	794	830	1.28	4.56	0.20	6.44	45.6	3.6	10	11.60	153.5
Q006681		5.49	0.071	2.22	8.62	344	1040	1.56	1.33	0.34	10.90	51.7	8.4	11	12.25	93.6
Q006682		3.75	0.213	15.90	6.35	1155	1510	1.11	1.66	0.24	7.65	40.6	2.9	10	18.45	108.5
Q006683		7.21	0.191	16.20	6.57	1145	2860	0.99	1.59	0.22	10.45	48.3	1.5	9	32.3	72.5
Q006684		3.61	0.200	50.9	7.32	1835	3100	1.46	2.92	0.20	32.9	45.6	4.4	8	18.65	88.2
Q006685		6.57	0.201	28.1	7.08	934	1720	1.07	27.4	0.22	8.40	42.9	1.7	10	23.7	40.9
Q006686		4.55	0.131	22.6	7.15	402	2860	1.14	1.70	0.15	3.48	37.6	1.2	9	22.4	28.4
Q006687		2.24	<0.005	0.09	0.05	8	20	<0.05	0.12	20.9	0.10	1.13	0.6	1	0.19	1.8
Q006688		3.95	0.031	5.07	7.94	363	1020	1.61	0.95	0.27	10.55	50.5	5.1	9	17.75	54.4
Q006689		5.03	0.099	6.75	7.22	384	1050	1.39	1.65	0.19	7.63	41.8	2.9	8	11.25	66.6
Q006690		6.55	0.226	4.33	6.77	799	2310	1.33	3.64	0.12	7.29	38.8	1.9	5	10.55	64.8
Q006691		4.24	0.219	6.64	6.56	449	1130	1.24	4.04	0.10	7.73	33.3	2.3	6	6.99	89.1
Q006692		4.83	0.199	8.42	7.95	379	790	1.20	6.71	0.10	1.98	40.7	0.9	10	9.59	74.7
Q006693		4.79	0.241	3.05	8.28	206	1180	1.31	5.42	0.40	7.17	47.3	9.4	10	10.85	161.5
Q006694		7.35	0.072	1.04	8.19	163.0	1380	1.35	1.12	0.98	4.56	53.5	9.6	13	11.00	33.6
Q006695		3.67	0.034	0.83	8.13	184.0	1250	1.42	0.95	0.70	7.82	53.0	9.5	10	12.15	26.6
Q006696		9.24	0.108	9.18	7.79	447	1090	1.39	1.76	0.31	10.45	41.7	5.0	12	16.35	59.5
Q006697		4.07	0.102	1.29	8.43	286	820	1.51	1.20	0.90	5.15	45.2	6.9	12	12.80	26.8
Q006698		5.24	0.017	0.30	8.05	57.2	1250	1.28	0.23	1.15	1.52	43.8	9.7	9	8.97	26.3
Q006699		9.52	0.071	1.72	7.95	265	1160	1.46	0.79	1.26	6.24	46.2	8.8	12	13.05	16.4
Q006700		4.22	0.086	1.01	8.12	161.0	1280	1.44	0.80	1.59	5.93	44.2	9.2	11	12.75	8.9
Q006701		4.13	0.250	3.49	8.14	707	1280	1.50	3.27	1.44	3.83	49.8	8.8	12	10.90	18.9
Q006702		4.30	0.093	1.90	8.10	311	1070	1.53	1.46	0.96	10.65	48.3	8.9	12	16.25	17.0
Q006703		3.81	0.050	0.88	8.22	111.5	1070	1.51	0.58	1.80	5.50	43.3	8.2	11	12.95	13.1
Q006704		4.91	0.031	0.49	8.09	81.3	1110	1.23	0.39	1.41	3.54	43.2	8.0	10	14.20	11.8
Q006705		4.48	0.066	0.72	7.88	66.0	1130	1.37	0.75	2.08	5.21	44.3	8.7	9	14.95	18.2
Q006706		4.48	0.177	2.27	8.23	86.1	990	1.50	2.23	0.84	29.9	60.0	9.9	9	10.55	59.3
Q006707		4.54	0.712	36.7	6.35	555	520	1.03	0.20	0.44	12.95	39.5	2.5	8	23.9	36.1
Q006708		5.90	0.307	15.00	8.10	395	790	1.47	0.19	0.31	36.2	42.0	7.8	11	30.7	31.2
Q006709		4.27	0.040	1.05	8.10	261	1020	1.34	0.52	0.60	7.26	38.9	10.6	11	12.85	34.9
Q006710		5.73	0.188	6.12	6.49	753	520	1.11	0.38	0.16	12.40	39.0	1.9	9	26.0	35.2

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139650

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006675		2.84	18.00	0.15	0.8	0.078	2.34	30.3	46.5	0.25	4340	3.34	0.16	8.8	5.3	580
Q006676		2.95	17.50	0.16	0.6	0.131	2.53	24.3	45.5	0.23	2510	3.74	0.12	7.4	4.3	530
Q006677		5.01	14.95	0.15	1.1	0.278	2.93	28.2	26.0	0.79	1960	15.55	0.15	5.6	13.9	520
Q006678		3.55	17.85	0.16	0.6	0.061	2.46	25.3	27.0	0.24	2030	2.79	0.09	7.9	5.0	630
Q006679		3.71	17.05	0.16	0.5	0.431	3.39	21.6	13.6	0.27	154	4.67	0.05	6.0	0.9	210
Q006680		3.93	17.10	0.18	0.6	0.432	3.32	24.5	29.6	0.26	1730	4.30	0.08	6.8	2.7	400
Q006681		3.31	17.80	0.18	0.6	0.135	2.84	27.8	27.0	0.34	3020	4.40	0.17	7.7	4.2	570
Q006682		4.79	15.75	0.15	0.4	0.174	2.42	25.2	23.5	0.24	698	12.25	0.09	5.9	2.2	440
Q006683		4.52	17.05	0.15	0.4	0.230	2.63	29.4	18.1	0.24	378	10.95	0.04	6.3	1.4	470
Q006684		4.04	18.85	0.17	0.4	0.268	2.99	29.3	16.2	0.25	3250	9.71	0.06	6.3	2.4	570
Q006685		3.45	17.90	0.17	0.4	0.189	3.00	26.1	12.3	0.26	793	8.93	0.06	6.8	1.2	420
Q006686		2.41	17.40	0.16	0.5	0.141	3.06	21.0	14.2	0.29	601	7.78	0.04	6.3	1.4	230
Q006687		0.50	0.19	0.09	<0.1	<0.005	0.03	0.6	0.9	13.30	223	0.36	<0.01	0.1	1.5	170
Q006688		2.90	16.80	0.18	0.6	0.115	3.02	26.7	24.6	0.28	3340	6.25	0.07	7.1	2.7	450
Q006689		2.67	15.70	0.17	0.9	0.134	2.97	22.9	14.2	0.24	1800	6.90	0.11	6.1	2.3	330
Q006690		2.89	14.95	0.18	1.1	0.204	2.98	21.9	13.4	0.20	1160	11.40	0.07	5.2	1.9	280
Q006691		2.27	14.35	0.17	0.9	0.181	2.81	18.4	29.1	0.17	1660	9.41	0.06	5.1	2.3	220
Q006692		2.62	16.85	0.19	0.6	0.314	3.62	23.3	11.5	0.24	208	3.34	0.05	5.6	1.3	210
Q006693		3.90	16.25	0.18	0.5	0.163	2.60	25.2	27.7	0.62	1860	3.43	0.32	6.8	3.8	560
Q006694		4.06	17.80	0.16	0.7	0.069	2.43	27.1	16.1	1.04	1220	2.49	1.32	8.7	4.6	620
Q006695		3.74	17.20	0.16	0.6	0.058	2.27	27.7	16.1	0.99	1320	4.38	1.26	8.0	4.3	580
Q006696		3.53	16.55	0.11	0.7	0.213	2.86	24.1	23.4	0.31	2690	6.25	0.32	6.8	2.7	470
Q006697		3.05	16.45	0.10	0.8	0.071	2.00	22.3	16.7	0.94	1080	2.59	1.51	7.5	4.6	620
Q006698		3.37	15.90	0.09	0.8	0.045	2.25	22.4	17.7	0.98	614	1.05	1.22	7.8	3.8	580
Q006699		3.53	16.15	0.10	0.7	0.053	2.13	23.0	17.2	0.87	1580	2.57	1.58	7.3	4.8	590
Q006700		3.32	15.95	0.09	0.7	0.050	1.91	20.0	17.3	0.93	1490	1.45	1.73	7.1	4.1	560
Q006701		3.55	15.95	0.10	0.9	0.083	2.19	25.2	17.1	0.70	1340	2.63	1.62	8.0	4.7	620
Q006702		3.31	16.05	0.09	0.6	0.054	1.89	25.6	20.1	0.53	1500	4.76	1.58	7.2	3.9	570
Q006703		2.91	16.60	0.08	0.7	0.052	1.71	20.3	17.4	0.93	1120	2.30	2.16	7.4	4.4	590
Q006704		2.99	15.60	0.08	0.7	0.051	1.91	22.5	19.5	1.03	990	2.03	1.41	7.3	3.7	610
Q006705		3.35	15.30	0.11	0.8	0.047	2.02	24.4	18.8	0.93	1010	5.33	1.21	7.1	3.7	570
Q006706		3.34	16.00	0.12	0.8	0.077	2.69	31.3	14.6	0.58	2750	14.60	0.56	7.0	3.3	600
Q006707		3.01	20.3	0.07	0.6	0.038	2.31	23.3	24.5	0.32	1160	28.5	0.30	5.6	1.9	330
Q006708		4.06	19.35	0.11	0.8	0.056	2.83	24.6	20.3	0.32	4410	11.85	0.10	6.9	3.4	530
Q006709		3.74	15.70	0.09	0.7	0.048	2.36	20.5	17.4	0.72	1320	6.02	0.70	6.7	4.0	610
Q006710		3.98	17.15	0.10	0.6	0.136	2.73	24.7	15.6	0.27	2320	11.90	0.03	5.7	1.6	330

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139650

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006675		100.0	129.5	0.002	0.05	15.20	11.8	1	2.6	61.8	0.94	0.06	15.1	0.299	2.63	3.0
Q006676		125.0	151.5	0.002	0.05	22.5	11.9	1	3.4	48.6	0.76	0.09	12.2	0.272	2.45	2.7
Q006677		490	168.5	0.005	2.67	25.1	9.2	1	5.5	105.0	0.53	0.29	10.8	0.207	2.30	5.3
Q006678		52.1	130.5	0.002	0.03	12.75	12.2	1	2.0	54.6	0.73	<0.05	12.5	0.303	2.18	2.6
Q006679		1130	201	<0.002	0.52	98.8	8.8	1	19.8	67.2	0.61	0.50	5.9	0.229	2.74	2.4
Q006680		488	196.5	0.002	0.39	50.8	10.5	1	7.1	68.5	0.70	0.38	10.7	0.243	2.71	3.0
Q006681		431	160.0	<0.002	0.07	20.5	12.4	1	3.6	61.4	0.81	0.13	12.7	0.293	2.59	2.9
Q006682		3970	138.5	0.002	0.50	36.5	9.9	1	15.3	134.5	0.52	0.10	8.3	0.234	2.55	3.2
Q006683		3480	154.0	0.002	0.66	35.9	10.0	1	19.8	117.0	0.54	0.05	8.8	0.250	3.17	3.5
Q006684		>10000	170.5	<0.002	0.50	93.2	9.9	1	29.5	75.7	0.55	0.05	10.0	0.240	3.57	4.8
Q006685		5690	166.5	<0.002	0.63	33.9	9.7	1	19.7	75.3	0.61	<0.05	8.8	0.270	3.50	2.8
Q006686		3760	161.5	<0.002	0.36	29.6	10.8	<1	21.5	51.4	0.57	0.06	8.0	0.251	3.51	2.6
Q006687		19.5	1.3	<0.002	0.01	0.24	0.2	<1	<0.2	53.2	<0.05	<0.05	<0.2	<0.005	0.06	0.6
Q006688		886	163.0	<0.002	0.21	15.55	12.0	1	6.6	66.9	0.65	0.05	11.1	0.288	3.17	4.2
Q006689		1150	163.5	<0.002	0.23	19.95	7.2	<1	7.0	52.8	0.61	0.13	14.1	0.172	2.67	3.7
Q006690		739	167.5	<0.002	0.25	28.7	6.1	1	6.6	63.6	0.60	0.45	18.1	0.103	2.51	3.3
Q006691		401	159.5	<0.002	0.20	29.5	6.3	1	5.4	68.4	0.54	0.48	9.9	0.123	2.32	2.7
Q006692		173.0	208	<0.002	0.21	23.6	8.5	1	8.1	39.4	0.55	2.35	9.4	0.207	2.66	1.8
Q006693		126.5	132.0	<0.002	0.08	11.90	11.8	1	3.5	95.1	0.64	0.54	11.6	0.275	1.67	2.5
Q006694		97.5	115.5	<0.002	0.03	6.92	13.7	1	2.8	214	0.68	0.27	12.9	0.291	1.29	2.1
Q006695		140.0	116.5	<0.002	0.04	7.72	12.4	1	2.2	192.0	0.63	0.29	13.1	0.284	1.49	1.7
Q006696		1630	147.5	<0.002	0.24	21.0	11.4	1	13.3	83.3	0.59	0.22	10.6	0.261	2.40	2.3
Q006697		81.6	102.0	<0.002	0.08	5.80	11.6	<1	2.6	195.5	0.66	0.22	11.2	0.302	1.31	2.1
Q006698		26.9	87.7	<0.002	0.04	3.60	11.3	<1	1.6	210	0.67	<0.05	10.4	0.297	0.86	1.5
Q006699		327	97.0	<0.002	0.05	8.24	11.4	1	2.7	244	0.64	0.10	10.3	0.294	1.19	1.9
Q006700		80.7	75.1	<0.002	0.02	6.61	10.9	<1	1.6	279	0.60	0.08	10.2	0.284	0.88	1.6
Q006701		159.5	92.6	<0.002	0.09	15.75	10.6	<1	2.4	266	0.73	0.58	10.5	0.303	1.21	2.5
Q006702		177.5	97.1	<0.002	0.05	9.62	11.0	1	2.5	167.5	0.60	0.28	10.3	0.293	1.31	2.0
Q006703		70.0	69.5	<0.002	0.06	5.09	11.2	<1	2.2	332	0.59	0.14	10.3	0.305	0.84	1.7
Q006704		50.6	77.0	<0.002	0.03	4.84	11.2	<1	1.8	234	0.63	0.08	10.0	0.312	0.93	1.5
Q006705		83.2	83.8	<0.002	0.03	5.13	11.1	1	2.0	249	0.56	<0.05	9.5	0.298	0.93	1.4
Q006706		418	138.0	<0.002	0.05	8.06	11.5	<1	4.4	97.2	0.58	<0.05	11.7	0.296	1.54	1.8
Q006707		7900	115.0	<0.002	0.31	66.5	8.1	<1	38.6	95.2	0.47	<0.05	7.2	0.238	2.11	2.5
Q006708		2300	134.5	<0.002	0.15	26.6	13.2	<1	15.7	77.3	0.58	<0.05	9.4	0.319	2.48	3.3
Q006709		130.0	115.5	<0.002	0.02	7.21	11.5	<1	2.8	108.5	0.57	<0.05	9.2	0.295	1.43	1.7
Q006710		1690	149.5	<0.002	0.21	24.5	10.7	<1	23.0	68.0	0.48	0.06	7.8	0.236	2.78	2.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139650

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001
Q006675		89	3.1	16.3	400	15.3	
Q006676		90	3.1	14.0	411	12.8	
Q006677		66	5.2	10.9	888	27.4	
Q006678		98	3.2	15.1	245	12.7	
Q006679		71	8.2	4.8	105	11.9	
Q006680		80	3.9	10.8	525	11.6	
Q006681		95	3.6	18.1	674	11.7	
Q006682		81	6.0	10.0	601	9.6	
Q006683		79	8.3	9.8	606	8.7	
Q006684		76	8.2	13.9	1200	9.1	1.320
Q006685		80	8.4	8.3	642	9.4	
Q006686		77	7.3	6.7	503	12.2	
Q006687		2	0.1	0.8	21	<0.5	
Q006688		90	3.8	13.7	1220	11.8	
Q006689		46	2.6	10.0	636	24.7	
Q006690		30	1.8	10.0	532	29.0	
Q006691		36	2.3	9.2	416	23.2	
Q006692		65	4.4	8.0	232	14.2	
Q006693		88	5.0	16.6	575	11.0	
Q006694		101	7.0	17.5	320	14.5	
Q006695		97	20.4	16.7	502	13.2	
Q006696		83	4.5	14.2	1590	14.9	
Q006697		99	1.8	14.4	288	18.9	
Q006698		94	3.0	13.7	82	18.3	
Q006699		97	2.5	12.3	385	17.1	
Q006700		95	1.9	10.9	266	16.4	
Q006701		98	2.9	12.8	291	21.2	
Q006702		95	3.7	17.1	506	14.7	
Q006703		97	2.5	11.8	260	17.6	
Q006704		99	5.1	14.4	218	17.2	
Q006705		94	2.8	15.0	414	19.2	
Q006706		95	2.6	19.1	1640	18.1	
Q006707		76	4.4	6.4	936	14.7	
Q006708		113	4.6	15.6	2770	17.9	
Q006709		98	2.3	14.1	989	16.4	
Q006710		86	4.9	9.6	1420	15.1	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139650

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

	REE's may not be totally soluble in this method.
Applies to Method:	ME- MS61
	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method:	ME- MS61

LABORATORY ADDRESSES

	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
Applies to Method:	CRU- 31	CRU- QC	LOG- 22	PUL- 31
	PUL- QC	SPL- 21	WEI- 21	
	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
Applies to Method:	Au- AA24	ME- MS61	ME- OG62	Pb- OG62

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2013
Account: ROCKHA

CERTIFICATE WH13139651

Project: KLAZA

P.O. No.: Batch 41

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

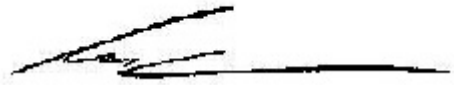
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 18- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139651

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006451		5.66	0.006	0.60	7.98	65.6	2060	1.62	0.49	0.48	0.59	62.1	8.8	20	33.0	20.7
Q006452		5.37	<0.005	0.19	7.45	52.1	1670	1.59	0.12	1.19	0.69	65.1	9.3	28	29.3	22.1
Q006453		8.89	<0.005	0.19	5.62	44.4	2200	1.17	0.40	0.52	0.38	39.6	5.8	9	22.1	6.2
Q006454		6.01	<0.005	0.18	5.97	18.8	1010	1.16	0.42	0.94	0.27	42.0	6.4	14	11.25	8.8
Q006455		5.86	<0.005	0.12	7.23	31.5	1280	1.52	0.33	0.80	0.50	47.3	7.3	10	14.10	4.7
Q006456		0.24	0.372	4.09	6.72	718	850	1.32	3.05	2.10	9.92	48.8	11.6	25	12.60	306
Q006457		7.01	0.005	0.14	7.81	21.2	2350	1.52	0.55	0.68	1.25	48.4	8.8	10	14.60	4.3
Q006458		6.55	<0.005	0.18	8.27	32.2	1600	1.76	0.77	0.26	1.29	56.5	12.2	11	16.20	3.4
Q006459		6.12	<0.005	0.04	7.78	4.2	2030	1.43	0.06	2.04	0.08	48.1	8.5	13	7.89	7.6
Q006460		4.97	<0.005	0.12	7.53	4.4	1780	1.42	0.09	1.00	0.09	51.2	7.9	10	11.00	42.3
Q006461		2.72	<0.005	0.01	0.07	<5	30	0.05	0.02	19.80	0.06	1.08	0.6	1	0.16	1.2
Q006462		4.11	<0.005	0.07	7.40	2.9	1960	1.49	0.05	1.87	0.05	44.5	8.2	10	10.65	19.9
Q006463		4.37	<0.005	0.07	7.92	6.4	1410	1.42	0.10	0.60	0.10	53.7	8.3	11	14.60	14.8
Q006464		4.07	<0.005	0.35	7.60	13.5	1140	1.52	0.58	0.42	0.09	49.0	8.4	9	16.80	12.3
Q006465		5.03	<0.005	0.15	7.63	6.9	1720	1.55	0.13	1.42	0.09	52.2	8.2	10	14.65	37.4
Q006466		6.10	0.005	0.13	7.29	34.0	1910	1.43	0.16	1.89	0.16	45.0	7.9	10	12.70	25.3
Q006467		7.59	0.197	0.19	6.83	811	1900	1.42	0.34	2.22	1.49	38.8	8.3	9	14.30	15.0
Q006468		6.74	0.005	0.07	7.66	35.0	1980	1.48	0.17	1.50	0.12	51.6	8.5	13	11.55	7.7
Q006469		8.25	<0.005	0.04	7.58	22.2	2330	1.50	0.13	1.28	0.14	52.0	8.6	10	12.00	6.1
Q006470		5.60	0.006	0.47	7.96	115.5	1400	1.61	0.38	0.45	0.82	53.9	9.7	10	29.9	79.9
Q006471		8.79	<0.005	0.14	7.96	37.8	2260	1.46	0.08	0.68	0.47	54.9	9.6	10	22.6	45.3
Q006472		7.41	<0.005	0.16	7.71	38.0	1670	1.45	0.27	1.08	0.54	53.9	7.9	11	17.20	18.8
Q006473		<0.02	<0.005	0.16	7.80	34.5	1710	1.77	0.32	1.07	0.61	56.3	8.1	11	18.10	17.0
Q006474		5.75	0.010	0.13	7.50	19.9	1870	1.66	0.55	0.94	0.18	58.1	8.4	11	15.75	10.5
Q006475		4.67	0.008	0.37	7.41	59.4	1430	1.55	0.94	0.74	0.99	57.8	8.6	14	12.65	11.2
Q006476		2.32	<0.005	0.06	7.79	9.3	1540	1.59	0.12	0.59	1.52	56.4	6.3	10	20.3	6.4
Q006477		3.48	0.007	0.38	7.63	32.4	3280	1.84	0.75	0.66	0.60	60.6	11.5	10	22.3	22.3
Q006478		2.53	0.009	0.27	7.96	26.2	1600	1.63	2.98	0.89	0.40	58.0	9.1	13	10.30	17.7
Q006479		6.33	<0.005	0.25	7.51	14.2	1980	1.64	0.91	1.63	0.31	49.3	8.7	13	8.57	14.5
Q006480		6.01	<0.005	0.05	7.21	5.9	2020	1.30	0.11	2.06	0.14	49.7	8.9	11	6.32	23.1
Q006481		0.24	0.377	5.18	6.90	669	970	1.49	3.48	2.11	11.35	52.3	12.1	24	13.85	312
Q006482		5.49	0.005	0.11	7.82	12.4	2120	1.68	0.18	2.14	0.24	50.3	8.5	13	8.69	16.6
Q006483		7.84	<0.005	0.09	7.74	8.2	2020	1.65	0.15	2.08	0.16	51.3	8.6	11	7.92	12.2
Q006484		6.40	0.008	0.21	7.94	35.4	1610	1.73	0.49	1.06	0.53	62.4	9.1	18	14.90	19.0
Q006485		2.69	<0.005	0.02	0.05	<5	20	<0.05	0.04	21.0	0.07	1.26	1.6	1	0.16	5.5
Q006486		14.87	0.012	0.27	7.14	57.4	1370	1.33	0.43	0.37	0.84	51.3	6.6	12	18.75	26.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139651

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006451		3.01	18.85	0.14	2.5	0.043	2.77	35.1	41.4	0.28	1260	2.81	0.04	8.8	8.0	1010
Q006452		2.79	16.80	0.13	3.6	0.037	1.57	35.0	148.5	0.27	1020	1.46	0.03	9.9	10.6	1430
Q006453		2.14	12.40	0.10	1.0	0.028	2.14	22.7	53.6	0.18	1020	2.49	0.03	5.2	2.8	460
Q006454		2.58	13.75	0.11	1.0	0.033	2.48	23.7	42.8	0.23	1180	1.34	0.03	5.6	3.0	520
Q006455		2.98	15.90	0.12	1.2	0.051	3.14	27.1	23.8	0.27	1720	1.58	0.03	6.7	2.7	550
Q006456		4.90	14.65	0.11	1.1	0.281	3.01	28.2	25.5	0.77	1920	15.70	0.15	5.7	14.7	500
Q006457		3.18	15.00	0.13	1.1	0.051	3.04	27.3	48.6	0.23	1550	2.08	0.04	7.5	3.5	650
Q006458		4.32	16.45	0.13	1.3	0.068	3.49	32.2	26.3	0.28	1520	1.00	0.03	7.7	4.0	650
Q006459		3.20	16.40	0.11	1.4	0.040	2.70	25.5	17.4	0.85	873	0.71	2.04	7.7	3.8	660
Q006460		3.02	15.70	0.11	1.4	0.039	2.70	27.4	16.0	0.79	942	1.21	1.51	7.3	3.6	600
Q006461		0.44	0.14	<0.05	<0.1	<0.005	0.03	0.5	1.1	12.40	199	0.18	0.01	0.2	1.3	170
Q006462		2.98	15.95	0.10	1.5	0.038	2.59	23.5	18.0	0.69	733	2.41	1.91	7.6	3.3	630
Q006463		3.24	16.10	0.11	1.4	0.036	2.55	31.8	33.0	0.28	1110	2.58	1.15	7.9	3.5	700
Q006464		3.04	15.80	0.12	1.3	0.071	3.02	30.6	18.5	0.29	1440	1.14	0.08	7.3	3.5	650
Q006465		3.52	15.70	0.13	1.3	0.075	2.97	31.6	16.3	0.37	1450	2.01	1.14	7.4	3.6	660
Q006466		3.02	15.50	0.11	1.4	0.050	3.04	24.2	22.4	0.36	1480	1.58	0.82	7.4	3.4	630
Q006467		3.38	14.65	0.10	1.2	0.045	2.85	20.2	31.0	0.44	2460	0.93	0.68	6.9	3.1	590
Q006468		3.14	15.80	0.11	1.4	0.045	2.56	27.3	12.3	0.58	1080	0.52	2.00	7.8	4.7	650
Q006469		3.26	15.75	0.10	1.4	0.033	2.55	27.6	14.3	0.66	1120	0.47	1.36	7.3	4.0	650
Q006470		3.13	16.85	0.17	1.5	0.057	3.45	32.7	14.3	0.25	2020	2.56	0.10	7.9	3.5	680
Q006471		3.58	17.05	0.14	1.6	0.040	2.98	25.7	26.2	0.49	1040	2.11	0.36	8.6	3.2	750
Q006472		3.20	16.20	0.15	1.6	0.044	3.10	29.1	16.2	0.41	1140	2.92	1.26	8.2	4.0	680
Q006473		3.14	17.00	0.11	1.7	0.052	3.10	29.7	16.3	0.41	1140	2.20	1.26	8.6	4.0	690
Q006474		3.13	16.60	0.12	1.6	0.079	2.58	32.0	23.8	0.48	1220	1.01	1.26	7.7	4.2	680
Q006475		3.38	15.50	0.13	1.6	0.107	2.87	32.8	16.8	0.42	1860	1.69	0.83	8.0	5.5	660
Q006476		3.08	15.75	0.12	1.6	0.050	2.72	31.1	19.3	0.28	1510	1.01	1.36	7.9	4.1	670
Q006477		4.26	16.50	0.14	1.3	0.098	3.26	35.7	18.7	0.34	3010	3.97	0.07	7.6	5.2	670
Q006478		3.38	16.45	0.12	1.5	0.114	2.42	31.2	14.9	0.60	1480	0.91	2.14	8.4	4.9	720
Q006479		3.20	16.25	0.11	1.4	0.073	2.51	25.4	13.2	0.79	1320	1.15	2.06	8.1	5.1	670
Q006480		3.02	17.00	0.13	1.6	0.042	2.43	24.0	11.0	0.80	813	1.46	2.16	8.3	4.2	620
Q006481		5.11	15.30	0.11	1.1	0.310	3.02	29.6	27.0	0.80	1930	14.05	0.16	6.2	14.6	540
Q006482		3.24	16.15	0.12	1.4	0.049	2.54	26.1	12.1	0.77	1100	1.31	2.12	7.8	4.6	700
Q006483		3.16	16.30	0.10	1.4	0.044	2.47	26.3	13.0	0.81	966	0.92	2.17	7.9	4.1	680
Q006484		4.27	16.80	0.13	1.5	0.165	2.81	34.0	21.1	0.51	4930	3.52	1.04	8.2	7.6	680
Q006485		0.48	0.39	0.24	<0.1	0.005	0.02	0.6	0.9	13.30	232	0.17	0.01	0.5	5.0	180
Q006486		5.89	14.50	0.14	1.2	0.392	3.08	38.2	11.7	0.25	10150	10.85	0.12	6.9	5.9	600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139651

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006451		38.6	154.5	<0.002	0.05	22.6	10.1	1	1.5	278	0.66	<0.05	10.5	0.326	2.00	4.5
Q006452		22.6	74.8	<0.002	0.04	57.0	7.6	1	1.2	630	0.67	<0.05	8.1	0.383	1.20	4.4
Q006453		15.3	117.5	<0.002	0.07	50.9	8.1	1	1.1	84.9	0.44	<0.05	9.3	0.193	1.47	2.6
Q006454		10.8	148.0	<0.002	0.09	13.15	9.7	1	1.2	48.5	0.44	<0.05	8.9	0.215	1.74	2.8
Q006455		9.4	185.5	<0.002	0.10	15.15	10.4	<1	1.4	39.4	0.60	<0.05	11.8	0.238	2.29	3.3
Q006456		477	160.0	0.006	2.69	25.7	9.1	1	5.4	106.0	0.47	0.31	10.6	0.209	2.37	5.0
Q006457		10.8	165.5	<0.002	0.10	9.20	11.7	<1	1.5	61.9	0.62	<0.05	11.8	0.278	2.22	3.1
Q006458		9.2	204	<0.002	0.15	7.58	14.0	1	1.6	31.6	0.63	<0.05	12.4	0.278	2.74	3.3
Q006459		16.2	103.5	<0.002	<0.01	1.77	11.8	1	1.5	343	0.65	<0.05	12.1	0.290	1.10	1.6
Q006460		14.6	118.0	<0.002	0.01	2.63	11.6	1	1.4	200	0.65	<0.05	13.5	0.271	1.27	1.9
Q006461		1.4	1.1	<0.002	<0.01	<0.05	0.2	<1	<0.2	47.7	<0.05	<0.05	<0.2	<0.005	0.02	0.5
Q006462		15.4	101.5	<0.002	<0.01	2.15	11.2	1	1.5	310	0.67	<0.05	11.3	0.275	1.09	1.5
Q006463		13.0	134.5	<0.002	0.01	7.06	12.9	1	1.6	102.0	0.63	<0.05	12.8	0.303	1.67	2.9
Q006464		14.6	168.5	<0.002	0.01	10.95	12.4	1	1.4	29.4	0.61	0.10	12.0	0.282	2.27	3.6
Q006465		18.8	158.0	<0.002	0.01	4.86	12.2	1	1.5	189.5	0.62	<0.05	13.0	0.280	2.08	2.6
Q006466		14.7	149.0	<0.002	0.03	9.05	11.7	1	1.5	129.5	0.62	<0.05	11.4	0.283	2.22	2.4
Q006467		35.3	126.5	<0.002	0.07	14.20	10.5	1	1.5	141.5	0.58	<0.05	10.1	0.263	1.87	2.8
Q006468		17.5	111.5	<0.002	0.01	3.95	11.9	1	1.5	291	0.65	<0.05	12.9	0.296	1.26	2.2
Q006469		16.4	109.0	<0.002	0.01	5.42	11.8	1	1.5	214	0.61	<0.05	11.6	0.284	1.24	1.9
Q006470		34.0	173.5	<0.002	0.07	132.0	12.4	1	1.6	58.8	0.65	<0.05	14.8	0.289	1.99	3.6
Q006471		18.0	134.5	<0.002	0.01	9.45	12.4	1	1.7	96.0	0.75	<0.05	14.7	0.322	1.42	2.8
Q006472		18.1	160.5	<0.002	0.03	11.55	12.2	1	1.6	176.0	0.70	<0.05	14.6	0.297	1.88	3.1
Q006473		19.2	164.5	<0.002	0.02	11.45	12.5	1	1.7	168.0	0.73	<0.05	13.7	0.305	2.01	3.0
Q006474		14.7	144.0	<0.002	0.02	10.30	12.0	1	1.6	155.0	0.63	<0.05	14.2	0.277	1.44	2.6
Q006475		37.9	156.5	<0.002	0.01	29.8	11.6	1	1.8	125.5	0.69	0.17	13.9	0.292	1.93	3.4
Q006476		12.3	148.0	<0.002	0.01	15.65	11.9	1	1.5	102.5	0.64	<0.05	13.6	0.293	1.89	2.9
Q006477		13.6	191.0	<0.002	0.06	41.4	13.2	1	1.5	54.4	0.57	<0.05	13.5	0.288	2.74	4.3
Q006478		22.0	117.0	<0.002	0.01	13.00	13.0	1	1.9	268	0.66	0.44	13.5	0.314	1.30	3.0
Q006479		20.9	105.5	<0.002	<0.01	5.40	11.7	1	1.6	300	0.66	0.07	12.1	0.297	1.22	2.2
Q006480		18.0	103.0	<0.002	0.01	2.69	12.6	1	1.6	356	0.74	<0.05	13.4	0.278	1.01	1.8
Q006481		499	167.5	0.003	2.78	26.6	9.3	1	5.5	106.5	0.50	0.33	11.2	0.216	2.52	5.3
Q006482		19.2	102.5	<0.002	<0.01	4.50	11.7	1	1.4	361	0.62	<0.05	11.7	0.303	1.06	2.1
Q006483		16.6	108.0	<0.002	<0.01	3.68	11.6	1	1.6	354	0.64	<0.05	12.0	0.300	1.00	1.9
Q006484		35.5	157.0	<0.002	0.02	13.80	12.6	1	1.8	175.5	0.67	<0.05	13.5	0.312	1.94	3.8
Q006485		3.1	1.4	<0.002	<0.01	0.06	0.3	1	<0.2	55.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
Q006486		51.4	199.5	<0.002	0.04	20.4	11.9	1	2.2	46.5	0.55	<0.05	13.0	0.261	2.88	6.0

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139651

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q006451		96	2.3	15.0	129	92.5
Q006452		77	4.1	13.7	116	148.0
Q006453		66	1.9	10.1	74	26.3
Q006454		87	1.8	11.1	82	24.8
Q006455		79	2.1	14.0	98	26.0
Q006456		67	5.1	11.2	886	28.5
Q006457		73	2.4	14.4	158	25.8
Q006458		83	2.7	14.7	187	28.0
Q006459		86	1.0	15.7	59	37.1
Q006460		81	2.4	14.5	62	40.2
Q006461		2	0.1	0.7	18	<0.5
Q006462		80	2.8	14.0	55	40.2
Q006463		88	2.3	18.0	89	38.8
Q006464		84	1.8	19.2	94	34.9
Q006465		84	2.6	20.6	89	39.6
Q006466		84	1.8	15.5	84	38.9
Q006467		77	1.5	14.6	174	34.1
Q006468		86	1.1	15.4	86	39.7
Q006469		83	1.1	15.8	77	37.4
Q006470		89	6.6	21.3	166	38.9
Q006471		96	5.7	16.8	87	36.6
Q006472		89	3.3	15.4	92	38.2
Q006473		90	3.0	16.2	90	43.7
Q006474		88	1.6	16.1	81	41.4
Q006475		85	2.3	15.4	203	41.4
Q006476		83	1.8	15.3	133	41.1
Q006477		89	2.2	22.0	121	36.0
Q006478		94	1.7	16.7	150	39.6
Q006479		88	1.8	16.1	124	38.4
Q006480		82	2.4	16.4	59	41.1
Q006481		69	5.2	12.7	876	32.1
Q006482		91	1.5	16.4	66	35.9
Q006483		89	1.6	16.4	62	37.3
Q006484		93	4.3	16.8	107	40.9
Q006485		2	0.1	0.9	17	<0.5
Q006486		77	9.4	22.8	159	34.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139651

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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Finalized Date: 17- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13139652

Project: KLAZA

P.O. No.: Batch 42

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1- AUG- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70%< 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

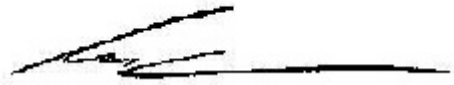
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139652

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006487		7.05	<0.005	0.23	8.10	27.6	1510	1.79	0.64	0.36	0.28	51.6	8.7	11	27.1	12.4
Q006488		7.82	0.031	0.43	8.39	383	1990	1.64	0.93	0.42	1.54	57.5	9.4	10	25.4	22.4
Q006489		5.86	0.063	2.20	7.87	386	1340	1.78	0.40	0.28	9.28	51.7	6.8	8	18.30	138.5
Q006490		4.77	0.186	4.52	7.06	1535	1280	1.58	0.74	0.14	8.03	40.9	3.4	9	12.65	178.5
Q006491		6.17	0.597	19.50	6.26	1170	820	1.27	2.11	0.12	5.43	35.8	1.4	8	12.10	237
Q006492		3.39	<0.005	0.09	0.11	<5	30	0.06	0.05	21.6	0.10	1.42	0.8	1	0.37	4.4
Q006493		6.45	0.417	24.8	5.99	1005	1500	1.52	1.63	0.18	36.7	35.0	10.9	7	10.80	821
Q006494		6.10	0.376	17.30	7.02	1125	1440	1.62	1.05	0.19	29.9	43.5	4.7	7	15.60	552
Q006495		6.61	0.131	1.75	8.19	241	1600	2.12	0.41	0.24	17.30	53.9	12.8	8	13.10	190.0
Q006496		5.94	0.502	15.95	6.07	649	630	1.01	5.82	0.12	3.20	32.6	1.4	9	11.00	149.0
Q006497		7.02	<0.005	0.47	8.50	25.8	2580	1.62	0.18	0.82	7.43	53.9	9.4	9	11.15	36.4
Q006498		5.73	<0.005	0.24	8.43	20.2	2350	1.51	0.13	0.67	1.46	48.4	7.6	10	18.40	16.5
Q006499		<0.02	<0.005	0.19	8.30	19.4	2310	1.59	0.13	0.64	1.47	47.2	7.8	9	18.60	16.7
Q006500		6.90	<0.005	0.57	8.19	20.3	1930	1.51	0.22	0.49	1.04	48.6	7.8	9	16.10	81.1
Q006951		8.36	0.012	0.39	8.43	42.6	2170	1.87	0.32	0.31	2.30	50.9	8.5	9	27.1	18.1
Q006952		0.23	0.897	11.70	6.69	1590	780	1.38	11.70	1.95	32.5	45.5	16.9	18	12.55	285
Q006953		8.73	<0.005	0.19	8.16	32.1	600	1.91	0.16	0.47	0.97	60.4	6.5	10	27.7	13.1
Q006954		7.86	0.394	29.0	7.34	723	3900	1.53	5.80	0.19	32.6	41.8	8.5	8	17.25	1120
Q006955		4.36	<0.005	0.43	8.43	33.7	1740	2.31	0.28	0.41	0.62	52.3	8.1	13	18.15	17.5
Q006956		6.14	<0.005	0.32	8.63	26.0	2480	1.92	0.27	0.37	1.03	51.5	8.5	9	24.4	22.3
Q006957		5.57	0.007	0.36	7.66	29.8	1830	1.70	0.54	1.16	0.89	42.2	8.2	9	25.7	10.4
Q006958		4.93	<0.005	0.09	6.43	29.7	1010	2.84	0.18	3.89	0.55	35.9	9.7	31	19.85	9.4
Q006959		5.01	0.009	0.74	7.71	45.9	1480	3.40	1.21	0.26	4.04	42.7	5.0	7	23.7	16.4
Q006960		10.13	<0.005	0.20	6.54	25.9	370	2.61	0.20	0.20	0.75	19.10	0.6	2	26.3	5.7
Q006961		5.54	0.006	0.25	6.67	22.3	440	2.36	0.25	0.22	1.07	19.30	0.9	2	24.3	12.0
Q006962		6.64	0.009	0.72	7.16	44.1	510	2.69	0.75	0.22	2.37	19.45	1.2	2	24.2	23.7
Q006963		5.74	0.037	2.38	7.20	177.5	1430	4.23	1.65	0.21	11.40	39.3	5.1	7	17.60	102.0
Q006964		10.25	1.835	47.7	6.33	2630	1980	2.59	4.67	0.19	47.7	43.3	9.5	8	13.25	660
Q006965		2.80	0.005	0.17	0.07	7	40	0.05	0.09	20.0	0.23	1.20	0.7	1	0.19	7.0
Q006966		5.90	0.009	0.65	8.40	96.6	2600	3.38	0.23	0.47	11.50	55.9	8.5	9	17.60	53.2
Q006967		8.31	0.023	0.87	8.21	59.2	1630	4.08	1.08	0.31	8.91	41.8	6.9	9	35.1	19.3
Q006968		3.35	0.486	8.30	6.94	1495	1550	2.69	2.58	0.28	18.85	46.0	8.0	8	20.2	56.4
Q006969		7.42	0.023	1.04	7.65	85.3	1900	2.96	0.92	0.99	9.64	51.4	9.1	9	27.1	18.7
Q006970		5.55	0.006	0.27	7.99	56.3	1900	1.76	0.23	1.12	8.25	51.8	8.1	12	18.35	10.0
Q006971		4.97	1.465	12.55	5.54	1355	1580	1.17	3.91	0.31	47.6	47.8	11.4	11	17.15	107.0
Q006972		0.21	1.730	38.4	5.85	2420	1260	1.12	40.2	1.67	48.0	35.6	16.8	22	9.64	1165

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006487		4.40	15.70	0.11	1.2	0.127	3.48	32.5	26.6	0.30	2750	4.66	0.11	7.3	4.9	650
Q006488		3.58	16.15	0.14	1.3	0.089	3.67	37.3	20.2	0.29	4410	3.50	0.23	7.8	4.0	700
Q006489		3.57	15.70	0.11	1.2	0.118	3.25	34.7	45.7	0.25	6170	10.70	0.05	7.8	3.7	580
Q006490		6.55	14.50	0.13	1.0	0.265	3.23	32.1	27.7	0.22	3180	40.8	0.03	7.3	1.5	560
Q006491		4.12	13.40	0.09	1.0	0.472	2.88	25.5	16.5	0.19	3130	41.2	0.03	6.1	0.8	350
Q006492		0.51	0.23	<0.05	<0.1	0.005	0.05	0.8	1.4	13.40	251	0.20	0.01	0.2	1.6	180
Q006493		6.08	12.40	0.11	0.9	0.329	2.58	24.3	29.1	0.20	21700	72.2	0.03	6.0	2.3	450
Q006494		4.35	15.00	0.10	1.0	0.186	3.24	29.7	14.5	0.26	16350	34.1	0.03	6.7	1.4	390
Q006495		4.26	16.40	0.12	1.1	0.122	3.86	31.8	36.4	0.29	6450	6.40	0.06	7.7	3.0	590
Q006496		4.61	12.50	0.09	0.8	0.566	2.78	21.5	14.3	0.20	1080	9.78	0.03	5.6	1.0	430
Q006497		3.40	16.50	0.11	1.0	0.048	3.49	29.2	15.8	0.52	3260	5.43	1.09	7.9	4.1	770
Q006498		3.30	15.80	0.10	1.1	0.045	3.14	22.9	71.5	0.46	1090	1.92	0.74	7.6	2.8	740
Q006499		3.31	16.25	0.11	1.1	0.041	3.09	22.0	72.4	0.46	1080	1.91	0.72	7.8	3.0	740
Q006500		3.25	15.45	0.11	1.1	0.057	3.11	25.3	85.8	0.31	1320	1.55	0.76	7.5	2.6	700
Q006951		3.79	16.85	0.10	1.3	0.087	3.57	27.8	68.0	0.29	2050	3.94	0.06	8.0	3.3	700
Q006952		6.49	14.15	0.10	1.1	0.690	2.87	24.1	18.9	0.77	1880	8.52	0.12	5.9	11.9	520
Q006953		2.68	18.40	0.11	3.9	0.032	2.85	32.5	190.5	0.18	823	1.44	0.04	10.5	4.2	830
Q006954		4.44	15.40	0.10	1.1	1.635	3.12	23.0	21.9	0.23	12850	8.19	0.02	6.8	2.1	540
Q006955		3.20	17.10	0.10	2.0	0.050	3.20	27.9	89.7	0.22	1180	1.26	1.09	10.2	5.4	810
Q006956		3.47	18.10	0.14	1.4	0.062	3.39	28.0	184.5	0.20	1310	1.16	0.61	9.3	4.7	710
Q006957		3.05	16.90	0.11	1.3	0.069	3.28	21.5	90.8	0.24	1410	1.17	0.17	8.6	3.4	620
Q006958		3.31	18.60	0.09	4.4	0.045	2.35	14.9	365	0.23	1020	1.22	0.11	13.3	12.9	1480
Q006959		2.10	17.45	0.10	2.3	0.061	3.52	22.6	55.8	0.18	1360	1.56	0.69	15.0	3.6	440
Q006960		0.55	17.55	0.07	3.0	0.023	2.64	9.1	33.1	0.08	509	0.65	0.06	23.7	1.1	60
Q006961		0.67	17.50	0.08	3.0	0.025	2.61	9.6	29.8	0.09	593	1.25	0.14	23.8	1.1	90
Q006962		0.73	19.80	0.10	3.3	0.033	3.09	10.4	65.8	0.13	626	1.61	0.14	23.7	1.3	80
Q006963		2.27	17.05	0.12	2.4	0.078	3.36	22.1	93.1	0.18	3360	7.74	0.20	15.8	2.9	390
Q006964		5.55	14.45	0.11	1.1	0.927	2.87	26.5	21.2	0.18	7950	2.66	0.05	6.6	2.8	470
Q006965		0.47	0.22	0.15	<0.1	<0.005	0.03	0.6	1.1	12.50	235	0.16	<0.01	0.1	1.9	170
Q006966		3.25	17.15	0.14	1.5	0.058	4.11	30.6	49.9	0.31	2610	1.04	0.64	8.9	3.7	640
Q006967		2.60	17.35	0.12	1.6	0.092	3.43	21.3	139.0	0.25	2960	1.59	0.18	12.5	2.9	600
Q006968		5.63	15.30	0.11	1.6	0.308	3.14	25.3	24.6	0.24	3990	9.99	0.05	8.3	2.7	510
Q006969		3.54	16.35	0.12	1.2	0.108	3.65	28.0	55.5	0.26	3150	1.73	0.77	7.9	3.3	620
Q006970		3.02	16.65	0.12	1.4	0.048	3.25	28.6	88.2	0.20	1720	1.50	1.31	8.1	3.5	650
Q006971		5.77	14.00	0.11	1.3	0.659	2.45	30.7	37.9	0.18	12050	5.13	0.19	5.5	3.4	420
Q006972		8.77	14.15	0.10	0.9	1.510	2.68	18.0	16.0	0.68	2340	18.15	0.06	4.8	15.3	450

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006487		19.4	198.0	<0.002	0.02	16.35	12.6	<1	1.6	42.4	0.59	<0.05	13.5	0.292	2.66	3.7
Q006488		60.9	197.5	<0.002	0.06	79.5	12.7	1	1.7	62.1	0.63	<0.05	12.8	0.315	2.51	3.2
Q006489		256	196.0	<0.002	0.04	72.3	10.8	1	2.1	70.6	0.67	<0.05	13.1	0.278	2.77	5.9
Q006490		525	196.0	<0.002	0.12	103.5	10.2	1	2.1	43.5	0.57	<0.05	10.4	0.251	2.68	10.5
Q006491		3120	161.0	<0.002	0.31	260	8.9	<1	4.2	42.8	0.50	0.05	9.5	0.229	2.13	8.8
Q006492		11.4	2.7	<0.002	<0.01	1.47	0.2	<1	<0.2	44.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
Q006493		1920	154.0	<0.002	0.10	523	8.9	1	3.3	63.8	0.49	0.05	9.6	0.216	2.17	17.9
Q006494		1050	188.5	<0.002	0.18	317	10.5	1	2.0	92.5	0.57	<0.05	11.3	0.254	2.77	10.9
Q006495		410	211	<0.002	0.05	32.0	11.8	1	1.9	62.3	0.70	<0.05	15.6	0.279	2.67	6.7
Q006496		3790	159.5	<0.002	0.28	169.5	8.3	1	4.0	37.3	0.47	<0.05	9.0	0.211	2.16	6.7
Q006497		174.0	168.0	<0.002	0.01	10.05	12.3	<1	1.8	171.5	0.58	<0.05	11.3	0.322	1.84	2.9
Q006498		28.8	138.0	<0.002	0.01	6.75	11.5	<1	1.6	142.0	0.60	<0.05	11.7	0.310	1.37	2.1
Q006499		22.2	139.0	<0.002	<0.01	6.42	11.7	1	1.7	139.0	0.61	<0.05	11.2	0.311	1.39	2.0
Q006500		24.9	147.5	<0.002	0.01	8.38	11.1	<1	1.6	123.5	0.60	<0.05	11.9	0.301	1.64	2.6
Q006951		39.8	190.5	<0.002	0.02	14.05	11.5	<1	1.9	61.2	0.64	<0.05	12.9	0.298	2.30	3.8
Q006952		1310	162.5	<0.002	4.69	63.3	8.7	1	7.5	93.6	0.52	1.15	10.4	0.211	2.32	4.8
Q006953		26.8	135.0	<0.002	0.01	17.35	7.7	<1	1.3	118.0	0.81	<0.05	10.4	0.328	1.43	4.8
Q006954		4230	182.5	<0.002	0.13	431	9.8	<1	2.5	128.0	0.57	<0.05	11.0	0.256	2.85	7.4
Q006955		40.6	157.5	<0.002	0.02	9.77	10.2	<1	1.7	230	0.85	<0.05	13.2	0.315	1.66	4.0
Q006956		44.8	163.0	<0.002	0.03	9.31	11.8	1	1.8	169.5	0.75	<0.05	14.5	0.295	1.80	4.2
Q006957		59.8	168.5	<0.002	0.08	8.77	11.3	1	1.7	167.0	0.72	<0.05	12.2	0.278	2.08	3.5
Q006958		25.2	78.1	<0.002	0.02	13.20	6.1	1	1.6	349	0.98	<0.05	6.5	0.409	1.50	3.6
Q006959		80.5	185.5	<0.002	0.01	11.60	7.7	1	2.5	133.5	1.31	0.05	18.5	0.190	2.08	5.2
Q006960		44.7	156.5	<0.002	<0.01	4.36	3.2	1	2.0	53.0	2.39	<0.05	20.8	0.041	1.41	2.8
Q006961		45.2	159.0	<0.002	<0.01	5.46	3.5	1	1.7	64.0	2.22	<0.05	18.5	0.056	1.39	4.2
Q006962		85.6	181.0	<0.002	0.01	9.62	3.8	1	2.1	51.9	2.45	<0.05	20.1	0.056	1.82	5.3
Q006963		296	196.0	<0.002	0.03	34.4	8.1	1	2.2	112.0	1.25	<0.05	17.1	0.182	2.59	10.0
Q006964		5950	170.0	<0.002	0.61	458	9.8	1	4.6	63.2	0.51	<0.05	10.9	0.216	2.67	7.3
Q006965		23.6	1.6	0.002	<0.01	1.85	0.2	<1	0.2	50.7	<0.05	<0.05	<0.2	<0.005	0.03	0.7
Q006966		65.6	236	<0.002	0.03	19.45	12.1	1	1.6	120.5	0.74	<0.05	14.2	0.288	2.93	4.7
Q006967		95.0	202	<0.002	0.01	16.25	11.5	1	6.4	125.5	0.75	<0.05	12.5	0.286	2.10	4.6
Q006968		1280	196.0	<0.002	1.91	56.9	10.2	1	4.7	81.1	0.60	<0.05	11.1	0.240	2.46	6.7
Q006969		196.0	213	<0.002	0.11	12.95	11.3	1	2.6	145.0	0.62	<0.05	12.8	0.265	2.67	3.7
Q006970		41.8	161.0	<0.002	0.02	7.37	11.8	1	1.5	192.0	0.65	<0.05	13.1	0.288	1.85	3.0
Q006971		2780	140.0	<0.002	1.43	77.5	8.7	1	3.7	91.6	0.45	<0.05	9.0	0.195	1.85	4.8
Q006972		1650	137.0	<0.002	7.95	106.0	8.0	2	11.3	64.5	0.40	0.72	8.4	0.171	2.20	5.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139652

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q006487		88	3.5	19.0	113	34.1
Q006488		91	3.3	18.4	198	36.1
Q006489		84	4.6	21.3	964	26.4
Q006490		91	6.1	22.6	605	25.2
Q006491		80	6.0	10.8	521	22.1
Q006492		3	0.1	0.8	18	0.5
Q006493		68	5.6	24.4	1900	21.7
Q006494		80	4.1	20.5	1620	23.1
Q006495		82	3.8	21.1	1960	24.1
Q006496		67	5.1	10.7	726	20.0
Q006497		92	2.6	17.3	1280	21.6
Q006498		87	1.5	13.4	358	25.0
Q006499		88	1.5	13.6	352	25.0
Q006500		82	1.3	13.7	185	22.0
Q006951		87	3.1	15.8	297	33.7
Q006952		63	5.7	10.7	2450	26.7
Q006953		73	1.8	14.9	166	138.5
Q006954		75	5.8	12.0	2910	26.7
Q006955		81	2.0	14.3	108	59.0
Q006956		85	2.5	16.1	132	34.0
Q006957		79	2.5	13.6	134	28.7
Q006958		84	1.7	9.4	117	162.0
Q006959		48	2.4	13.6	285	54.8
Q006960		4	1.4	12.6	92	50.7
Q006961		9	1.8	12.8	125	54.6
Q006962		9	1.6	12.8	303	57.2
Q006963		47	2.6	15.8	1370	55.4
Q006964		62	4.9	20.3	3010	29.7
Q006965		1	0.1	0.8	30	<0.5
Q006966		84	1.7	16.4	1230	33.5
Q006967		84	3.9	18.7	1040	37.7
Q006968		71	5.5	14.5	2120	36.5
Q006969		76	3.8	16.6	1200	28.5
Q006970		81	1.3	16.3	771	32.0
Q006971		61	4.6	24.8	4610	38.5
Q006972		57	7.4	8.6	3340	23.2

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139652

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	SPL- 21
	SPL- 21d	WEI- 21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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Finalized Date: 19-AUG-2013
Account: ROCKHA

CERTIFICATE WH13139653

Project: KLAZA

P.O. No.: Batch 43

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139653

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
Q006973		7.69	0.007		0.24	7.57	25.3	1490	3.17	0.37	1.58	4.28	51.7	6.4	10	33.2
Q006974		9.37	0.046		1.69	7.41	45.8	980	4.46	1.06	0.37	3.27	40.8	4.7	11	36.5
Q006975		5.73	1.125		10.70	6.80	230	1890	2.15	6.17	0.24	14.60	54.2	5.6	10	23.9
Q006976		9.93	0.885		5.11	6.68	25.9	2320	1.84	2.70	1.73	22.0	43.0	8.7	10	34.5
Q006977		3.99	0.086		6.04	7.74	457	1020	2.19	1.85	0.20	19.95	53.5	5.4	11	18.40
Q006978		4.78	0.097		7.80	7.02	978	950	1.48	0.64	0.18	8.15	52.0	2.4	10	19.80
Q006979		11.71	1.950		36.5	4.64	754	1390	0.92	36.8	0.17	2.00	33.8	1.8	9	20.5
Q006980		8.02	0.104		11.80	7.12	713	5160	1.89	5.34	0.16	8.41	65.9	3.3	13	12.20
Q006981		5.94	0.141		6.63	7.84	310	1630	1.69	2.73	0.47	35.1	75.1	7.6	14	12.55
Q006982		0.24	0.830		11.50	6.48	1400	1190	1.42	13.05	1.85	34.0	47.6	17.1	23	14.05
Q006983		6.23	0.111		3.90	7.07	270	>10000	1.81	3.76	0.94	39.5	68.0	7.3	16	7.79
Q006984		4.95	0.085		3.19	7.80	331	1370	2.38	1.98	1.04	52.5	67.1	8.2	19	31.5
Q006985		5.74	0.449		13.50	7.29	1510	1610	1.41	14.95	0.33	9.16	54.2	2.6	14	16.30
Q006986		6.52	0.101		3.79	7.66	608	2190	1.79	4.01	1.16	15.00	54.8	8.5	12	10.85
Q006987		6.40	0.021		1.48	7.96	39.4	2410	1.60	1.54	1.74	7.22	47.9	12.1	10	7.74
Q006988		<0.02	0.019		1.40	7.94	39.7	2420	1.71	1.42	1.79	6.70	47.9	11.5	10	7.75
Q006989		9.28	0.216		8.11	7.12	1220	950	1.13	14.30	0.21	3.84	74.0	1.5	11	19.80
Q006990		7.87	>10.0	71.4	>100	1.82	1260	810	0.34	1270	0.07	1.37	27.9	0.8	9	3.73
Q006991		7.49	2.09		9.68	6.16	935	730	0.90	12.25	0.27	1.98	56.4	4.5	9	33.0
Q006992		2.58	0.055		1.95	0.05	6	40	0.07	1.73	21.1	0.08	1.47	0.7	<1	0.14
Q006993		10.32	0.146		4.88	7.43	367	1230	1.54	2.79	0.67	12.15	54.6	11.5	9	29.6
Q006994		8.59	0.016		0.84	6.50	47.1	1810	1.51	0.59	1.60	12.00	44.4	6.2	14	13.65
Q006995		8.10	0.020		1.47	5.87	214	1110	1.79	0.61	2.53	38.1	38.8	7.0	16	17.70
Q006996		4.15	2.77		>100	6.64	9920	1330	1.87	0.87	0.29	175.5	50.1	12.5	10	24.5
Q006997		3.15	>10.0	21.6	>100	0.90	>10000	160	0.49	2.13	0.97	769	9.58	5.2	7	3.68
Q006998		7.48	0.076		3.46	7.63	411	2430	1.60	0.59	0.87	19.10	52.7	8.8	10	24.0
Q006999		10.22	0.455		12.65	6.63	2840	1060	1.25	0.77	0.38	103.5	48.6	4.0	11	19.20
Q007000		7.35	0.274		8.01	7.29	1980	1250	1.64	0.51	0.30	83.9	54.7	7.8	9	20.4
Q006751		7.28	0.028		0.74	7.75	186.0	2070	1.53	0.38	0.88	13.55	55.0	10.7	10	15.10
Q006752		3.09	<0.005		0.13	0.08	14	30	0.07	0.04	21.0	0.34	1.50	0.6	1	0.24
Q006753		5.36	0.033		6.78	7.78	164.0	2020	1.60	1.46	0.33	15.70	54.8	14.6	10	14.55
Q006754		6.66	0.404		12.15	7.30	1190	1840	1.48	4.44	0.19	51.4	52.8	15.9	10	16.90
Q006755		0.24	0.880		11.85	6.55	1500	1240	1.36	11.95	1.88	31.4	46.3	18.6	20	13.90
Q006756		3.69	0.123		15.75	7.88	290	1320	1.48	5.18	0.23	20.8	56.8	22.5	10	16.65
Q006757		6.83	1.515		39.1	5.25	1290	1000	0.76	54.1	0.28	10.40	47.4	2.1	9	11.30
Q006758		4.98	0.226		20.4	5.25	1860	940	0.67	37.7	0.26	6.70	48.1	1.4	9	15.20

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139653

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Q006973		12.4	2.59	18.50	0.11	3.8	0.039	3.54	27.5	144.0	0.25	1120	1.09	0.81	10.6	5.2
Q006974		26.0	1.78	18.75	0.12	3.1	0.076	2.98	23.8	82.7	0.25	2320	1.47	0.11	19.0	6.7
Q006975		92.4	6.22	16.60	0.12	1.2	0.439	2.87	32.5	26.4	0.20	2590	4.98	0.09	7.3	4.0
Q006976		73.1	3.62	13.65	0.10	1.1	0.344	2.59	23.3	51.9	0.44	2080	0.95	0.81	6.7	3.2
Q006977		296	5.80	15.60	0.13	1.0	0.395	3.18	31.7	18.2	0.23	2250	1.09	0.06	7.0	3.2
Q006978		89.6	6.30	14.80	0.11	1.0	0.536	3.08	30.4	16.1	0.25	445	0.80	0.04	6.7	1.9
Q006979		114.0	4.71	11.45	0.09	0.8	1.005	1.95	19.6	34.9	0.14	240	4.43	0.05	5.4	1.8
Q006980		310	3.96	15.20	0.10	2.3	0.457	1.10	38.3	96.8	0.07	203	3.36	0.02	9.8	3.5
Q006981		166.5	3.57	17.75	0.12	2.7	0.172	1.51	41.5	109.0	0.08	1360	3.79	0.04	11.2	3.3
Q006982		276	6.43	14.80	0.11	1.1	0.805	2.83	25.9	18.8	0.76	1770	8.15	0.12	6.1	11.7
Q006983		191.0	3.43	15.70	0.11	2.5	0.110	0.78	36.3	82.0	0.17	1700	1.91	0.09	10.1	4.1
Q006984		971	3.42	18.00	0.13	3.6	0.843	2.69	35.6	44.2	0.27	906	1.29	0.07	9.6	5.9
Q006985		561	4.49	16.70	0.12	2.2	1.185	2.97	31.8	36.1	0.27	227	2.57	0.26	9.2	2.8
Q006986		490	4.13	15.85	0.11	1.5	0.664	2.91	28.9	18.2	0.54	748	0.87	1.45	7.9	3.9
Q006987		43.0	3.79	16.70	0.14	1.2	0.074	2.92	22.1	10.8	0.74	1490	1.49	2.27	8.3	3.6
Q006988		41.3	3.72	16.60	0.15	1.2	0.065	2.95	22.0	10.5	0.74	1430	1.19	2.29	8.3	3.4
Q006989		206	6.87	16.95	0.13	1.2	0.797	3.48	40.1	7.9	0.23	223	1.98	0.08	7.2	1.6
Q006990		45.6	5.64	4.74	0.09	0.6	0.564	1.62	16.9	18.4	0.07	115	6.98	0.05	3.8	1.4
Q006991		163.5	9.06	17.60	0.12	0.9	0.884	2.51	31.1	45.0	0.14	260	1.07	0.06	6.6	2.3
Q006992		4.7	0.51	0.19	0.09	<0.1	<0.005	0.02	0.7	<0.2	12.95	208	0.11	0.01	0.2	2.0
Q006993		83.3	3.35	16.30	0.15	1.2	0.100	2.54	28.9	43.0	0.21	1720	0.67	0.05	7.8	3.2
Q006994		50.8	2.53	17.90	0.11	2.5	0.041	1.43	22.1	74.1	0.13	1270	1.35	0.06	11.9	3.6
Q006995		36.9	2.82	16.80	0.10	3.2	0.033	2.16	18.8	45.6	0.35	2190	2.46	0.05	9.9	6.0
Q006996		235	6.61	15.55	0.11	1.2	0.728	2.60	28.7	27.3	0.22	6090	1.53	0.03	6.7	4.0
Q006997		851	14.10	3.72	0.07	0.2	2.34	0.37	5.2	13.3	0.36	6070	0.89	0.01	0.8	5.2
Q006998		26.0	3.12	16.85	0.10	1.2	0.053	3.13	26.3	51.2	0.26	1330	0.60	1.02	8.1	3.8
Q006999		71.1	4.87	14.80	0.10	1.0	0.379	2.88	27.5	27.2	0.26	2990	1.51	0.06	6.9	2.7
Q007000		75.7	4.30	16.20	0.11	1.2	0.143	2.91	31.6	65.3	0.19	4660	2.82	0.08	7.4	4.0
Q006751		24.2	3.53	16.60	0.12	1.2	0.105	3.33	30.9	19.7	0.39	2190	0.68	1.28	7.8	3.8
Q006752		2.0	0.46	0.23	0.11	<0.1	<0.005	0.03	0.7	0.5	12.65	223	0.06	0.01	0.2	1.4
Q006753		85.2	4.04	17.25	0.16	1.1	0.218	3.10	31.0	83.8	0.22	1960	1.10	0.05	7.9	4.5
Q006754		168.0	5.09	16.60	0.14	1.0	0.339	3.16	37.6	14.2	0.22	3580	2.13	0.05	7.3	3.9
Q006755		277	6.57	15.10	0.11	1.2	0.777	2.88	25.3	17.8	0.77	1800	8.77	0.13	6.4	12.2
Q006756		215	4.19	16.90	0.12	1.2	0.414	3.07	32.0	28.2	0.18	3520	1.54	0.05	8.2	4.5
Q006757		90.9	6.84	15.35	0.10	1.0	1.540	2.62	27.9	14.8	0.20	260	1.65	0.13	6.9	1.9
Q006758		113.0	8.67	17.95	0.12	0.9	1.750	2.83	28.4	11.2	0.18	239	1.10	0.04	6.7	1.7

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CERTIFICATE OF ANALYSIS WH13139653

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
Q006973		820	50.9	176.5	<0.002	0.02	18.30	7.9	1	1.5	180.5	0.79	<0.05	9.5	0.312	2.18
Q006974		370	249	182.0	<0.002	0.01	16.35	6.2	1	2.7	81.9	1.64	<0.05	18.4	0.161	1.91
Q006975		470	1510	170.5	<0.002	0.26	34.5	10.6	1	9.8	70.3	0.52	<0.05	11.6	0.245	2.61
Q006976		550	940	126.0	<0.002	0.10	12.35	9.7	1	1.7	171.5	0.55	<0.05	10.7	0.248	1.48
Q006977		590	907	206	<0.002	0.31	42.7	11.1	1	3.7	86.3	0.57	0.07	13.3	0.246	3.13
Q006978		640	1080	228	<0.002	0.34	28.9	10.4	1	4.2	57.7	0.53	<0.05	13.8	0.235	3.16
Q006979		320	2040	120.5	<0.002	0.78	104.5	5.8	1	4.9	181.5	0.43	2.39	6.6	0.186	2.25
Q006980		750	1150	52.1	<0.002	0.24	45.3	6.1	1	1.9	241	0.68	0.13	11.2	0.236	1.06
Q006981		890	473	69.8	<0.002	0.07	25.4	6.2	1	2.9	146.0	0.78	0.14	11.4	0.268	1.97
Q006982		510	1285	164.0	<0.002	4.58	61.3	8.9	2	7.5	92.0	0.51	0.94	11.3	0.208	2.56
Q006983		830	511	42.4	<0.002	0.40	22.1	6.1	1	1.4	384	0.70	0.07	9.9	0.264	1.13
Q006984		1090	955	169.5	<0.002	0.07	21.4	7.7	1	1.5	552	0.70	0.11	10.2	0.292	3.61
Q006985		460	1965	161.5	<0.002	0.84	94.4	7.8	1	2.9	202	0.69	1.20	11.4	0.293	2.55
Q006986		670	645	132.0	<0.002	0.10	17.85	10.2	1	1.7	267	0.66	0.18	16.3	0.264	1.50
Q006987		650	111.0	122.5	<0.002	0.03	3.39	10.9	1	1.6	363	0.70	0.06	14.2	0.266	1.34
Q006988		640	104.0	123.0	<0.002	0.03	3.27	10.7	1	1.6	367	0.72	<0.05	13.8	0.265	1.27
Q006989		660	741	221	<0.002	1.05	20.0	9.3	<1	5.6	112.5	0.62	0.30	19.9	0.239	3.02
Q006990		180	>10000	87.9	<0.002	2.03	1355	2.4	7	59.7	67.2	0.29	6.75	3.7	0.136	1.37
Q006991		570	217	137.0	<0.002	2.12	22.5	7.9	1	1.8	138.5	0.52	2.59	11.7	0.234	1.90
Q006992		150	21.9	1.0	<0.002	0.05	2.30	0.2	<1	0.3	50.1	<0.05	<0.05	<0.2	<0.005	<0.02
Q006993		630	342	140.5	<0.002	0.07	26.5	10.5	1	1.9	84.6	0.61	<0.05	12.7	0.266	2.51
Q006994		830	62.6	55.0	<0.002	0.05	11.65	5.4	<1	1.4	175.5	0.75	<0.05	7.3	0.263	1.24
Q006995		880	78.1	89.8	<0.002	0.08	15.75	5.6	1	1.3	216	0.67	<0.05	6.5	0.267	2.86
Q006996		550	>10000	160.0	<0.002	1.50	141.0	9.5	1	4.1	77.1	0.51	0.12	11.0	0.229	3.03
Q006997		60	>10000	27.2	<0.002	9.56	817	1.5	1	9.4	77.1	0.06	0.65	1.6	0.027	0.91
Q006998		680	694	152.5	<0.002	0.05	14.40	11.0	1	1.6	191.5	0.62	<0.05	13.0	0.270	1.99
Q006999		480	2990	176.5	<0.002	0.50	39.1	9.5	<1	4.4	98.8	0.53	<0.05	11.3	0.239	2.83
Q007000		530	1350	166.0	<0.002	0.18	36.5	10.3	1	3.0	84.8	0.59	<0.05	13.5	0.243	2.58
Q006751		620	102.0	173.0	<0.002	0.02	8.50	11.0	1	1.8	190.0	0.60	<0.05	13.8	0.257	2.09
Q006752		190	24.1	1.7	<0.002	<0.01	0.25	0.2	<1	<0.2	44.9	<0.05	<0.05	<0.2	<0.005	0.02
Q006753		640	562	186.0	<0.002	0.13	19.20	10.8	1	2.1	87.3	0.63	0.07	14.7	0.257	2.70
Q006754		560	870	195.0	<0.002	0.14	34.8	11.0	1	4.7	58.0	0.57	0.63	13.5	0.245	3.07
Q006755		540	1310	168.5	<0.002	4.65	64.3	9.3	1	7.6	99.9	0.52	1.11	11.2	0.212	2.56
Q006756		660	1510	164.5	<0.002	0.10	31.7	11.2	1	2.4	72.6	0.63	0.33	14.8	0.263	2.77
Q006757		440	3310	148.5	<0.002	1.74	48.2	8.1	1	6.2	97.4	0.57	7.98	9.2	0.229	2.48
Q006758		440	1245	170.5	<0.002	2.19	29.7	8.5	<1	4.5	72.0	0.51	3.11	10.8	0.232	2.82

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139653

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001
Q006973		4.0	75	1.6	17.1	416	135.5			
Q006974		6.0	38	2.4	17.1	451	75.5			
Q006975		7.6	74	5.6	14.8	2300	34.0			
Q006976		2.9	70	1.5	14.5	2140	28.7			
Q006977		21.0	72	5.3	13.1	1850	27.5			
Q006978		6.9	72	4.9	5.6	1490	23.7			
Q006979		4.3	51	4.0	4.1	576	21.3			
Q006980		18.3	50	4.1	12.5	1400	76.1			
Q006981		8.4	54	3.3	14.7	1740	88.1			
Q006982		5.1	63	5.6	11.9	2320	30.3			
Q006983		7.6	54	4.2	16.4	1860	86.3			
Q006984		8.8	68	2.2	16.6	2090	134.5			
Q006985		5.3	64	2.9	8.7	581	71.0			
Q006986		5.5	74	1.5	15.9	1070	43.4			
Q006987		3.7	75	1.5	17.1	657	25.4			
Q006988		3.6	75	1.5	17.4	640	26.1			
Q006989		6.6	72	4.7	5.6	718	28.7			
Q006990		3.3	23	2.6	2.4	64	14.5	1310	1.100	
Q006991		4.1	80	2.6	7.4	767	20.1			
Q006992		0.5	1	0.1	0.8	20	<0.5			
Q006993		3.8	74	3.1	14.8	688	31.1			
Q006994		2.8	55	2.6	10.2	753	87.6			
Q006995		4.0	59	4.1	11.5	1590	118.5			
Q006996		4.1	64	3.6	15.1	>10000	34.5	108	2.50	1.160
Q006997		3.4	9	0.8	6.6	>10000	5.0	599	14.90	4.78
Q006998		2.3	78	2.6	14.1	1460	31.7			
Q006999		3.6	67	4.9	9.6	4400	27.2			
Q007000		4.0	67	3.3	15.9	3380	30.8			
Q006751		2.7	74	1.9	16.9	1080	31.0			
Q006752		0.7	1	0.1	0.8	29	<0.5			
Q006753		4.2	75	4.8	16.7	1380	26.7			
Q006754		4.9	71	4.9	16.1	2200	28.7			
Q006755		5.2	64	5.9	11.9	2340	31.3			
Q006756		6.3	74	5.1	16.9	2280	31.0			
Q006757		2.5	62	4.5	6.0	535	25.9			
Q006758		2.2	73	4.2	6.0	862	24.0			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139653

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- OG62	Au- AA24	Au- GRA22	ME- MS61
	ME- OG62	Pb- OG62	Zn- OG62	

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Finalized Date: 15-AUG-2013
Account: ROCKHA

CERTIFICATE WH13139654

Project: KLAZA

P.O. No.: Batch 44

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

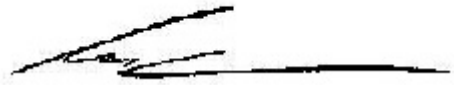
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139654

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
Q006501		5.08	2.99		48.5	6.06	6600	2060	1.79	0.76	0.58	29.5	47.4	6.6	12	21.6
Q006502		3.78	0.310		4.48	7.21	867	5530	1.79	0.36	0.36	9.50	64.5	7.3	13	28.8
Q006503		5.04	0.305		1.93	7.72	503	540	1.82	0.26	0.38	7.29	68.0	7.4	15	33.0
Q006504		8.87	>10.0	13.45	>100	5.13	>10000	2890	0.84	1.43	0.39	116.5	37.9	2.5	7	16.30
Q006505		1.80	0.015		0.15	0.08	22	20	0.06	0.03	21.0	0.26	1.38	0.6	1	0.26
Q006506		4.25	0.033		0.69	7.87	381	2350	1.41	0.35	0.29	5.03	70.8	5.6	14	21.6
Q006507		6.89	0.010		0.33	7.27	52.0	2080	1.42	0.21	2.13	0.60	41.3	5.6	8	12.35
Q006508		3.86	0.014		0.51	6.59	60.9	2850	1.53	0.23	2.15	0.91	37.1	3.9	9	14.30
Q006509		4.88	2.16		10.85	4.99	7340	1050	1.14	0.82	2.73	47.9	38.5	24.5	5	10.95
Q006510		5.32	0.034		0.31	5.21	125.0	2050	1.14	0.15	3.52	1.19	22.7	5.9	7	17.10
Q006511		7.35	0.026		0.27	7.56	51.2	2180	1.28	0.29	1.54	0.50	51.5	6.3	8	12.85
Q006512		6.23	0.010		0.37	7.66	30.7	2150	1.51	0.27	0.89	0.45	53.6	6.1	8	13.15
Q006513		0.24	1.635		39.3	5.71	2340	1290	1.08	34.9	1.67	42.5	35.2	16.5	22	9.74
Q006514		4.87	<0.005		0.26	7.74	21.9	2140	1.21	0.32	1.53	0.31	51.5	6.0	8	10.85
Q006515		3.88	0.006		0.22	7.02	24.4	2150	1.23	0.37	1.42	0.24	47.0	3.4	8	8.10
Q006516		10.56	0.007		0.30	7.82	20.7	2400	1.38	0.44	1.46	0.20	55.4	4.0	9	11.55
Q006517		7.02	0.012		0.20	7.66	21.3	2210	1.52	0.27	1.23	0.44	53.1	4.9	10	8.28
Q006518		4.17	0.467		0.52	8.67	46.4	2260	1.67	0.59	0.70	0.86	74.5	4.2	10	15.80
Q006519		6.26	0.091		1.15	8.18	73.8	1740	1.45	1.12	1.04	1.35	76.2	3.1	8	10.40
Q006520		5.32	0.047		0.81	8.51	58.6	1330	1.68	0.68	1.04	1.43	67.5	7.2	10	10.65
Q006521		0.24	0.884		11.70	6.49	1470	1020	1.35	10.30	1.86	32.8	46.7	17.1	18	13.40
Q006522		4.15	0.022		0.44	8.03	33.6	1890	1.62	0.40	0.90	0.70	54.9	5.9	11	9.48
Q006523		7.81	0.008		0.21	7.61	23.2	2270	1.45	0.28	1.60	0.39	45.1	6.9	8	11.45
Q006524		3.20	0.013		0.49	6.78	190.0	2130	1.54	0.32	1.93	1.13	32.0	4.9	8	11.40
Q006525		2.18	<0.005		0.02	0.07	<5	30	0.07	0.03	21.8	0.07	1.14	0.6	<1	0.15
Q006526		3.42	0.007		0.45	7.91	124.5	2210	1.38	0.37	0.99	0.42	51.3	4.5	9	13.25
Q006527		7.40	0.005		0.20	7.78	13.4	2520	1.72	0.16	1.45	1.03	50.2	6.7	9	26.8
Q006528		5.66	3.41		>100	6.74	6270	1180	1.70	0.43	0.59	54.4	46.3	5.7	9	17.60
Q006529		4.00	0.041		1.10	7.84	90.3	2260	1.89	0.23	1.12	2.92	56.4	6.5	10	22.3
Q006530		9.08	0.005		0.28	8.23	32.6	2710	1.39	0.11	0.61	2.01	55.8	5.9	13	18.10
Q006531		<0.02	0.006		0.36	8.37	35.0	2680	1.39	0.12	0.60	2.15	56.3	6.0	9	18.55
Q006532		4.81	1.825		>100	7.41	2230	2080	1.82	0.52	0.37	16.15	54.8	6.6	9	22.9
Q006533		6.38	0.057		6.04	6.30	111.0	2870	2.00	0.33	1.77	4.97	34.1	4.6	23	31.5
Q006534		5.69	0.070		3.68	7.43	219	2610	1.79	0.18	0.95	8.10	48.3	4.9	10	30.1
Q006535		4.02	0.058		2.57	7.98	271	2600	1.69	1.89	0.74	5.15	56.5	103.5	9	14.00
Q006536		5.00	0.032		2.98	8.17	169.0	2860	1.77	0.28	0.75	4.01	61.1	13.8	9	19.00

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CERTIFICATE OF ANALYSIS WH13139654

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Q006501		69.6	3.43	14.35	0.09	1.7	0.323	1.88	27.2	88.0	0.19	846	5.56	0.04	6.5	5.7
Q006502		39.8	2.38	18.05	0.12	3.3	0.049	1.91	37.3	83.8	0.14	905	3.44	0.03	9.5	6.0
Q006503		35.9	2.21	19.30	0.12	3.7	0.038	1.99	36.9	101.0	0.14	785	2.62	0.04	10.5	7.1
Q006504		214	5.69	12.60	0.07	0.8	3.69	2.14	21.8	18.3	0.17	400	3.53	0.02	4.5	0.7
Q006505		2.1	0.44	0.27	0.11	<0.1	0.005	0.02	0.7	0.7	13.00	202	0.09	<0.01	0.2	1.8
Q006506		19.0	2.23	19.75	0.17	3.7	0.031	1.90	38.2	73.3	0.12	972	3.24	0.04	10.8	5.3
Q006507		7.7	2.82	15.95	0.11	1.5	0.062	2.86	21.7	15.9	0.40	781	0.94	1.86	8.0	2.9
Q006508		7.9	2.93	15.75	0.11	1.3	0.090	3.04	19.2	32.7	0.38	1820	1.14	0.32	7.7	2.9
Q006509		80.4	5.85	12.70	0.10	0.8	0.236	2.23	23.1	26.8	0.58	21600	2.74	0.06	4.1	2.4
Q006510		15.5	2.48	15.25	0.10	1.3	0.047	2.93	9.8	37.7	0.10	1110	1.56	0.18	8.0	2.1
Q006511		13.9	3.08	16.10	0.12	1.4	0.086	3.09	27.2	28.2	0.33	944	1.39	0.69	8.8	2.6
Q006512		14.8	3.03	16.65	0.12	1.5	0.075	2.85	26.7	23.5	0.63	720	0.92	1.92	8.5	3.4
Q006513		1155	8.74	13.60	0.12	0.8	1.470	2.60	19.1	14.1	0.68	2320	15.70	0.06	4.7	14.0
Q006514		11.8	3.08	16.50	0.13	1.4	0.068	2.93	28.4	29.1	0.50	686	0.86	1.14	8.3	2.9
Q006515		11.8	3.10	15.95	0.11	1.4	0.127	2.94	24.6	15.9	0.59	842	0.61	1.58	8.2	3.1
Q006516		17.8	3.31	16.85	0.14	1.5	0.139	2.99	30.1	16.8	0.41	936	0.93	1.50	8.1	3.1
Q006517		11.6	3.24	16.70	0.12	1.6	0.138	3.02	27.4	11.4	0.59	939	0.84	2.14	8.2	3.6
Q006518		25.7	5.27	20.3	0.16	1.6	0.319	3.65	42.2	25.1	0.24	2420	1.08	0.78	8.0	3.7
Q006519		95.3	5.04	17.90	0.13	1.4	0.261	2.77	42.5	23.6	0.26	2320	0.92	1.50	8.0	3.6
Q006520		25.2	4.78	18.95	0.12	1.4	0.285	3.00	37.1	26.2	0.37	2520	0.97	1.13	8.0	4.0
Q006521		275	6.45	14.80	0.12	1.1	0.773	2.85	24.8	18.0	0.76	1780	8.51	0.12	6.2	11.9
Q006522		14.9	3.53	16.80	0.10	1.4	0.142	2.79	27.6	17.7	0.54	1120	1.13	1.68	8.1	4.3
Q006523		6.9	3.31	16.55	0.12	1.5	0.113	3.03	23.0	25.1	0.42	1040	1.36	1.21	8.4	2.9
Q006524		16.0	3.19	16.10	0.10	1.4	0.152	3.04	15.5	32.1	0.19	1220	1.84	0.72	7.8	2.9
Q006525		1.4	0.47	0.21	0.14	<0.1	<0.005	0.02	0.6	1.0	13.20	221	0.06	0.01	0.1	1.4
Q006526		11.9	2.94	16.65	0.17	1.4	0.090	3.29	27.9	23.8	0.22	855	2.42	1.08	8.2	3.4
Q006527		4.6	2.86	16.90	0.12	1.4	0.042	3.01	27.0	16.5	0.23	695	1.07	2.23	8.2	3.0
Q006528		126.0	3.98	14.70	0.11	1.4	0.207	2.90	30.1	29.2	0.22	4290	2.38	0.41	6.8	4.1
Q006529		10.6	2.70	16.70	0.13	1.8	0.042	2.94	28.8	22.4	0.33	771	1.19	1.90	8.5	4.1
Q006530		5.3	2.90	17.25	0.13	1.4	0.044	3.25	30.8	30.5	0.21	797	1.68	0.77	8.3	2.6
Q006531		5.8	2.95	17.55	0.12	1.4	0.041	3.23	31.3	30.7	0.21	800	1.88	0.79	8.5	2.8
Q006532		155.0	3.67	16.80	0.13	1.3	0.283	3.28	34.8	21.5	0.22	5450	3.48	0.06	7.3	3.7
Q006533		23.3	2.35	18.15	0.09	3.2	0.050	2.48	16.5	88.1	0.19	1340	1.16	0.06	8.6	13.2
Q006534		19.3	2.84	16.70	0.13	1.8	0.053	3.01	26.1	68.8	0.20	1920	2.26	0.11	7.9	5.8
Q006535		8.4	5.73	16.30	0.13	1.3	0.135	2.36	33.8	14.0	0.22	1130	1.62	2.77	7.2	3.5
Q006536		9.3	3.37	17.10	0.13	1.4	0.079	3.27	34.1	33.7	0.26	1100	1.71	1.85	8.2	3.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139654

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
Q006501		530	2600	106.5	<0.002	0.97	78.4	7.1	1	4.3	155.5	0.52	0.17	9.3	0.207	1.83
Q006502		880	384	86.9	<0.002	0.18	45.3	5.6	1	2.0	236	0.67	<0.05	10.5	0.274	1.16
Q006503		1000	137.5	84.8	<0.002	0.02	38.8	5.7	<1	1.8	235	0.70	<0.05	10.6	0.304	1.02
Q006504		420	>10000	134.5	<0.002	0.55	227	6.8	<1	9.0	129.0	0.35	0.63	9.9	0.152	2.09
Q006505		170	19.0	1.3	<0.002	<0.01	0.39	0.2	<1	<0.2	50.6	<0.05	<0.05	<0.2	<0.005	<0.02
Q006506		1010	75.5	76.6	<0.002	0.06	17.55	5.5	<1	1.6	748	0.75	<0.05	10.8	0.303	1.03
Q006507		570	37.2	117.0	<0.002	0.02	7.60	9.7	1	1.8	222	0.66	<0.05	11.7	0.251	1.38
Q006508		580	58.3	123.5	<0.002	0.12	11.45	9.6	1	2.0	101.0	0.62	<0.05	9.6	0.250	2.21
Q006509		360	562	141.0	<0.002	2.77	106.5	7.0	1	2.9	61.8	0.34	0.15	8.5	0.134	2.02
Q006510		530	39.2	100.0	<0.002	0.02	21.2	6.5	<1	1.8	174.0	0.64	<0.05	6.7	0.249	1.52
Q006511		670	29.3	128.0	<0.002	0.04	16.65	10.4	1	1.9	112.5	0.71	<0.05	13.4	0.273	1.52
Q006512		660	28.9	128.5	<0.002	0.01	8.50	10.5	1	2.1	200	0.68	<0.05	14.1	0.276	1.34
Q006513		450	1650	148.5	<0.002	7.90	101.0	7.9	1	10.2	61.8	0.38	0.80	8.5	0.171	2.07
Q006514		630	27.0	123.0	<0.002	0.01	7.17	10.5	1	2.0	141.5	0.66	<0.05	13.7	0.279	1.29
Q006515		610	24.4	111.0	<0.002	0.02	6.04	9.9	1	2.1	171.0	0.67	<0.05	12.9	0.263	1.39
Q006516		610	22.3	128.5	<0.002	0.04	6.77	10.8	1	2.0	174.0	0.68	<0.05	15.0	0.259	1.47
Q006517		580	22.7	131.5	<0.002	0.10	3.87	9.7	1	2.0	237	0.71	<0.05	13.3	0.254	1.50
Q006518		710	32.4	184.5	<0.002	0.38	10.10	12.1	1	5.1	79.6	0.67	0.07	14.5	0.253	2.59
Q006519		660	65.9	142.5	<0.002	0.47	18.45	11.8	1	2.7	90.0	0.67	0.08	16.2	0.260	1.96
Q006520		660	103.0	161.5	<0.002	0.28	9.36	12.0	1	2.6	91.5	0.66	0.05	15.3	0.261	2.34
Q006521		510	1270	162.5	<0.002	4.60	65.7	9.0	1	7.7	94.5	0.51	1.11	10.8	0.210	2.49
Q006522		660	43.2	125.0	<0.002	0.04	7.22	10.8	1	2.1	184.5	0.65	<0.05	13.4	0.276	1.48
Q006523		650	21.8	119.0	<0.002	0.05	7.62	11.0	1	2.0	149.5	0.71	<0.05	12.2	0.285	1.59
Q006524		580	31.7	117.0	<0.002	0.08	15.95	8.7	1	1.9	111.5	0.68	<0.05	9.0	0.251	1.89
Q006525		200	1.8	1.2	<0.002	<0.01	0.10	0.2	<1	<0.2	45.6	<0.05	<0.05	<0.2	<0.005	<0.02
Q006526		620	23.8	148.5	<0.002	0.05	12.45	10.6	1	1.8	137.5	0.70	<0.05	13.8	0.268	1.99
Q006527		600	31.8	126.5	<0.002	0.01	8.11	10.3	1	2.0	308	0.66	<0.05	12.9	0.260	1.25
Q006528		500	>10000	144.0	<0.002	1.37	139.5	8.6	1	4.3	96.6	0.59	0.06	12.2	0.214	2.11
Q006529		600	146.0	129.5	<0.002	0.01	9.53	9.5	1	1.8	266	0.76	<0.05	15.9	0.253	1.32
Q006530		610	39.5	139.0	<0.002	0.01	17.55	10.6	1	1.7	112.5	0.66	<0.05	14.8	0.266	1.54
Q006531		630	45.5	141.5	<0.002	0.02	18.05	10.7	1	1.7	113.0	0.67	<0.05	14.7	0.271	1.53
Q006532		530	7040	171.5	<0.002	0.52	137.0	10.8	1	3.5	57.4	0.59	<0.05	13.5	0.231	2.84
Q006533		620	212	95.0	<0.002	0.09	40.4	6.1	1	1.9	317	0.70	<0.05	7.6	0.254	1.90
Q006534		600	232	143.0	<0.002	0.19	32.0	9.4	1	2.2	134.5	0.67	<0.05	12.9	0.248	2.21
Q006535		570	59.0	112.0	<0.002	0.93	9.97	10.6	1	2.2	173.5	0.58	0.61	15.2	0.229	1.48
Q006536		600	113.5	138.5	<0.002	0.06	12.65	10.9	1	2.2	204	0.64	0.06	16.4	0.261	1.72

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139654

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001
Q006501		6.3	49	4.6	14.6	1400	50.6		
Q006502		5.5	46	3.7	15.3	978	117.0		
Q006503		5.3	48	3.8	12.5	843	139.5		
Q006504		11.5	46	7.3	5.0	2930	19.8	120	1.305
Q006505		0.8	2	0.1	0.8	27	1.0		
Q006506		6.3	52	2.1	11.9	999	136.0		
Q006507		2.3	67	1.9	15.3	92	38.6		
Q006508		3.2	71	3.0	14.3	134	37.0		
Q006509		2.8	43	3.3	20.1	3530	21.2		
Q006510		1.7	67	3.3	9.6	177	37.1		
Q006511		2.5	74	5.0	17.6	94	38.6		
Q006512		3.0	80	3.6	15.4	86	41.1		
Q006513		5.3	58	6.8	8.8	3300	23.9		
Q006514		2.4	75	3.1	19.8	62	38.5		
Q006515		2.4	73	2.8	16.6	68	40.6		
Q006516		2.8	72	3.2	19.7	59	39.9		
Q006517		3.1	70	3.7	15.6	71	41.2		
Q006518		4.7	80	17.3	21.4	156	42.6		
Q006519		4.3	76	13.5	18.9	166	38.6		
Q006520		3.8	77	9.1	18.2	175	41.0		
Q006521		5.1	64	6.0	11.0	2350	29.6		
Q006522		2.7	77	3.7	16.6	105	40.7		
Q006523		2.5	82	3.2	16.0	82	39.9		
Q006524		2.7	73	4.4	12.3	141	38.3		
Q006525		0.7	1	0.1	0.8	16	<0.5		
Q006526		3.2	73	4.2	17.2	66	39.1		
Q006527		2.6	69	1.3	17.1	87	35.4		
Q006528		4.1	57	3.1	19.4	3960	40.7	121	1.195
Q006529		3.3	66	1.6	16.1	267	47.4		
Q006530		3.1	72	3.4	17.9	219	37.6		
Q006531		3.1	70	3.5	17.8	224	36.4		
Q006532		4.9	66	4.1	21.6	1480	35.1	214	
Q006533		3.1	55	2.3	9.6	433	114.5		
Q006534		3.8	64	2.9	15.3	863	52.2		
Q006535		4.3	60	2.4	20.4	575	36.1		
Q006536		4.0	70	2.4	17.8	462	40.1		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13139654

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- OG62	Au- AA24	Au- GRA22	ME- MS61
	ME- OG62	Pb- OG62		

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
This copy reported on 15- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13142304

Project: KLAZA-42

P.O. No.: Batch 16

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 7-AUG-2013.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13121817**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13142304

Sample Description	Method	Au- AA24	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K862929		0.165	6.24	8.23	243	840	1.32	9.96	0.06	0.25	60.4	0.7	62	14.05	95.1	2.97
K862930		0.268	6.74	5.04	128.0	540	0.79	15.15	0.04	0.10	86.3	0.3	8	4.91	20.9	2.24
K862931		0.150	3.94	7.42	126.5	680	1.25	5.20	0.05	0.19	96.8	0.6	9	11.05	57.3	2.42
K862932		0.128	2.11	7.80	211	5100	1.21	3.14	0.14	0.45	52.0	1.9	10	8.44	174.0	2.76
K862933		0.399	2.77	6.61	157.0	750	1.19	4.71	0.09	0.46	55.3	1.1	9	12.35	86.6	2.99
K862934		0.112	1.53	7.78	125.5	2250	1.54	1.96	0.19	0.43	54.5	1.9	9	11.70	222	2.94
K862935		0.172	2.27	6.98	140.0	860	1.23	3.54	0.07	0.34	41.5	1.5	9	17.25	166.0	2.84
K862936		0.193	3.11	6.11	75.5	740	1.07	10.10	0.02	0.13	27.5	0.5	12	6.02	53.2	1.54
K862937		0.494	2.86	1.68	61.7	290	0.45	5.72	0.02	0.44	9.35	0.5	18	0.81	52.1	1.05
K862938		<0.005	0.04	0.06	<5	50	0.06	0.09	19.85	0.06	1.17	0.5	2	0.12	1.6	0.42
K862939		0.334	6.46	6.91	120.0	1440	1.18	13.40	0.06	0.15	61.1	1.2	10	31.9	111.0	2.44
K862940		0.104	1.17	7.78	34.4	1830	1.35	3.37	0.07	0.20	61.0	2.4	7	19.70	341	3.92
K862941		0.144	2.37	7.78	70.0	1670	1.19	11.15	0.03	0.10	57.8	1.8	8	10.70	70.2	3.13
K862942		3.96	8.69	9.30	179.5	1150	1.52	36.9	0.02	0.09	30.0	0.2	9	8.89	28.0	2.15
K862943		1.615	4.58	8.92	814	1360	1.57	15.65	0.03	0.17	52.7	0.3	7	13.50	32.6	2.55
K862944		0.107	1.06	7.87	79.9	2550	1.41	2.50	0.11	0.23	58.5	2.5	7	15.00	207	3.26
K862945		0.330	5.38	7.72	324	1020	1.32	26.3	0.03	0.29	53.9	1.8	11	31.5	219	4.36
K862946		0.057	0.46	8.26	87.5	1630	1.83	1.52	0.15	2.52	60.0	13.4	22	21.3	177.5	3.19
K862947		0.111	0.77	8.03	105.5	1210	1.62	1.98	0.06	1.09	50.3	4.0	9	20.1	164.0	3.64
K862948		0.162	1.88	7.89	82.1	2330	1.33	7.68	0.05	0.23	43.9	2.2	9	18.30	142.5	4.17
K862949		0.299	2.59	7.36	331	1230	1.12	14.15	0.05	0.36	57.1	1.4	8	20.7	94.4	4.81
K862950		0.147	3.26	7.86	318	2650	1.32	15.60	0.14	0.34	43.3	4.3	8	18.00	206	5.93
K862951		0.967	11.65	6.76	1565	940	1.38	12.55	1.90	30.1	42.8	18.3	20	13.40	275	6.52
K862952		0.418	4.63	7.44	558	1090	1.21	46.3	0.06	0.36	59.4	1.5	7	21.5	75.5	5.68
K862953		0.185	8.33	7.46	622	1340	1.34	108.5	0.05	0.44	71.3	1.2	8	13.30	110.0	4.94
K862954		0.607	10.15	7.87	260	970	1.27	56.3	0.05	0.27	80.5	0.9	8	12.10	55.4	4.09
K862955		0.146	2.49	8.21	159.0	4180	1.25	11.55	0.10	0.34	54.4	1.3	8	14.95	222	3.87
K862956		0.370	5.16	6.92	166.5	690	0.85	167.5	0.07	0.15	45.0	0.8	26	13.15	74.2	5.89
K862957		0.181	1.17	7.99	104.5	1260	1.15	5.51	0.11	0.20	56.4	1.3	20	13.25	79.8	4.73
K862958		0.263	3.44	7.36	101.0	1070	0.82	19.25	0.10	0.07	26.8	1.7	59	16.60	62.4	6.12
K862959		0.193	1.03	7.60	69.4	750	1.14	6.54	0.09	0.14	39.8	1.1	9	11.55	87.1	3.67
K862960		3.91	9.50	7.06	159.5	1200	1.01	150.0	0.08	0.18	55.6	0.9	8	13.40	145.0	5.59
K862961		0.478	3.10	6.31	127.0	770	0.98	7.45	0.09	0.34	50.0	0.4	8	15.15	31.0	5.44
K862962		0.135	2.33	6.37	128.0	800	1.00	4.94	0.08	0.41	52.1	0.5	7	13.55	56.3	4.71
K862963		0.096	1.13	7.93	35.4	2610	1.23	3.74	0.11	0.21	55.3	1.6	8	12.90	138.0	4.10
K862964		0.112	4.22	6.73	74.3	910	1.03	23.5	0.08	0.27	57.8	0.9	7	9.97	75.9	5.08

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13121817**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13142304

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K862929		21.0	0.16	3.6	0.555	4.23	32.7	16.5	0.44	68	125.0	0.07	3.9	1.6	260	197.5
K862930		13.35	0.17	1.1	0.304	2.81	50.8	14.0	0.23	53	25.4	0.06	2.9	1.0	240	198.0
K862931		16.85	0.18	1.2	0.639	3.79	56.9	12.1	0.39	77	48.0	0.07	4.3	1.2	230	125.5
K862932		15.80	0.15	1.1	0.221	3.87	30.2	15.6	0.27	66	63.7	0.39	4.8	1.6	310	64.8
K862933		15.40	0.15	1.0	0.342	3.16	31.8	9.9	0.33	90	53.6	0.05	4.3	1.2	300	92.1
K862934		15.95	0.16	1.0	0.173	3.43	28.9	12.9	0.26	54	50.0	0.89	5.1	1.9	590	41.7
K862935		15.75	0.16	1.0	0.212	3.28	21.2	12.7	0.28	64	50.3	0.20	5.1	1.7	470	83.8
K862936		14.45	0.12	0.9	0.154	3.18	14.1	8.4	0.26	60	32.2	0.07	3.9	1.1	170	85.6
K862937		4.05	0.09	0.3	0.053	0.80	4.7	7.3	0.05	40	26.9	0.03	1.1	1.1	110	35.4
K862938		0.17	0.09	<0.1	<0.005	0.03	0.6	0.9	12.55	192	0.40	<0.01	0.1	1.4	150	1.7
K862939		15.85	0.16	1.0	0.218	3.02	37.0	13.7	0.36	66	32.1	0.14	4.6	1.4	360	223
K862940		16.20	0.15	0.9	0.146	3.08	35.0	11.6	0.35	54	8.94	0.41	4.4	2.3	560	23.6
K862941		17.00	0.16	1.0	0.229	3.78	32.7	9.2	0.37	72	4.17	0.12	4.3	1.2	340	75.0
K862942		30.9	0.15	1.1	0.129	4.71	15.5	7.7	0.45	84	7.57	0.08	6.3	1.0	210	425
K862943		23.8	0.17	1.3	0.291	4.26	28.9	18.5	0.39	74	7.73	0.06	6.1	0.8	320	166.5
K862944		16.30	0.15	1.0	0.154	2.92	30.7	10.0	0.33	79	2.85	0.93	4.6	1.7	500	37.5
K862945		18.40	0.16	1.5	0.454	2.84	29.6	32.4	0.31	89	11.55	0.10	5.7	3.6	770	174.5
K862946		18.90	0.15	2.8	0.097	1.86	32.3	168.5	0.30	889	1.87	0.23	9.2	12.5	640	41.0
K862947		16.55	0.14	1.1	0.145	3.12	27.3	15.5	0.24	357	3.10	0.06	6.6	2.1	580	49.3
K862948		16.10	0.15	1.1	0.165	3.06	24.4	15.4	0.23	115	4.24	0.06	5.9	1.6	590	36.9
K862949		16.00	0.16	1.1	0.320	3.33	33.2	7.9	0.28	188	6.06	0.04	5.4	1.3	520	127.0
K862950		17.90	0.15	1.2	0.183	3.02	24.0	13.6	0.23	269	9.69	0.61	6.7	2.3	860	72.3
K862951		14.65	0.14	1.1	0.745	2.94	22.4	18.0	0.77	1800	8.56	0.13	6.4	10.7	540	1325
K862952		17.80	0.17	1.0	0.611	3.48	32.2	8.2	0.30	146	3.93	0.04	5.1	1.2	670	196.5
K862953		17.25	0.19	1.0	0.621	3.59	39.7	8.6	0.31	102	7.03	0.06	3.6	1.1	1050	622
K862954		21.5	0.18	1.0	0.494	3.93	45.3	6.0	0.36	103	2.46	0.06	3.7	1.0	720	193.0
K862955		19.65	0.14	1.1	0.386	3.22	29.1	23.3	0.25	68	0.86	0.75	5.3	1.5	910	51.4
K862956		24.0	0.15	1.8	0.435	3.03	22.8	13.8	0.31	48	2.85	0.34	2.3	0.9	720	143.0
K862957		18.90	0.15	1.5	0.313	2.94	30.7	7.7	0.35	65	2.67	1.19	3.8	1.4	720	60.1
K862958		22.6	0.12	3.1	0.270	3.11	13.7	9.2	0.38	72	1.71	0.54	3.0	1.3	710	64.0
K862959		15.35	0.14	0.9	0.214	2.70	22.2	6.1	0.30	64	2.04	1.46	3.4	1.2	600	39.3
K862960		18.40	0.15	1.0	0.772	2.97	30.0	9.5	0.27	62	1.54	0.57	3.5	0.9	700	74.1
K862961		15.35	0.15	1.2	0.584	3.14	28.4	11.0	0.29	95	4.54	0.05	4.8	1.1	270	493
K862962		14.95	0.15	1.2	0.828	3.26	28.0	7.7	0.30	79	2.08	0.05	4.3	0.7	530	272
K862963		16.85	0.15	1.2	0.254	2.91	29.7	12.5	0.32	90	2.89	0.76	3.9	2.0	650	104.0
K862964		16.65	0.15	1.0	0.503	3.46	30.7	7.4	0.33	75	3.80	0.07	3.0	0.8	440	88.8

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13121817**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13142304

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
K862929		234	0.021	0.67	56.0	15.0	2	17.7	67.9	0.29	0.43	11.4	0.281	3.75	3.2	122
K862930		154.5	0.006	0.64	36.0	5.6	2	21.2	89.4	0.34	0.43	11.9	0.113	1.97	1.4	48
K862931		229	0.003	0.52	29.4	8.2	2	11.0	73.0	0.48	0.50	16.3	0.155	3.31	1.7	57
K862932		152.0	0.007	0.51	21.5	9.4	2	4.2	244	0.45	0.14	14.1	0.185	2.46	2.4	67
K862933		168.0	0.003	0.53	26.4	7.7	2	11.2	97.4	0.51	0.26	13.9	0.136	2.71	1.7	53
K862934		135.0	0.005	0.35	22.7	10.0	2	4.2	172.5	0.46	0.20	17.8	0.176	2.05	3.5	65
K862935		148.0	0.006	0.36	36.3	8.2	2	6.5	98.5	0.47	0.26	12.3	0.172	2.27	2.5	65
K862936		148.5	0.011	0.23	31.2	6.8	2	8.9	40.6	0.38	0.34	6.8	0.124	2.15	1.2	55
K862937		27.6	0.010	0.27	16.80	1.4	1	3.3	20.2	0.15	0.18	2.9	0.031	0.36	0.7	20
K862938		1.2	<0.002	<0.01	0.25	0.1	1	<0.2	49.3	<0.05	<0.05	<0.2	<0.005	0.02	0.6	2
K862939		169.0	0.004	0.31	84.6	7.7	2	8.1	123.5	0.43	0.54	13.7	0.148	2.71	2.7	56
K862940		136.0	0.002	0.30	3.84	9.5	2	5.4	83.3	0.36	0.33	16.0	0.163	2.13	1.9	62
K862941		180.5	0.002	0.94	5.57	10.4	3	8.7	47.8	0.34	2.68	12.4	0.154	2.56	1.4	63
K862942		234	<0.002	0.51	25.5	11.6	2	55.6	21.9	0.48	2.51	7.3	0.213	2.91	1.3	83
K862943		236	<0.002	0.52	15.85	10.9	3	14.6	33.1	0.51	3.80	8.6	0.215	3.44	1.5	70
K862944		137.5	<0.002	0.50	3.37	10.0	2	3.2	168.5	0.36	0.35	16.8	0.160	2.20	2.0	61
K862945		137.0	<0.002	0.56	18.95	9.0	3	7.7	102.5	0.45	0.58	17.5	0.183	2.32	3.9	62
K862946		88.9	<0.002	0.06	5.13	8.7	1	2.1	159.0	0.70	0.37	15.5	0.251	1.56	5.6	61
K862947		156.0	<0.002	0.11	12.05	9.9	1	3.2	28.7	0.55	0.34	15.3	0.215	2.58	4.2	66
K862948		148.5	<0.002	0.16	12.35	9.4	1	3.6	39.9	0.50	0.33	14.4	0.199	2.36	2.8	65
K862949		189.5	<0.002	0.91	11.10	8.9	1	6.4	60.0	0.45	0.30	14.5	0.186	2.95	2.2	60
K862950		140.5	<0.002	0.43	9.66	9.3	2	2.6	143.0	0.54	0.60	14.8	0.221	2.26	3.3	73
K862951		156.5	0.002	4.62	62.4	8.5	2	7.4	93.9	0.52	1.15	11.4	0.212	2.44	4.9	64
K862952		187.0	<0.002	1.03	23.1	9.1	6	8.5	84.4	0.40	1.27	14.1	0.185	3.69	2.4	64
K862953		201	<0.002	0.94	37.2	9.8	10	7.4	190.5	0.30	1.72	16.6	0.150	3.32	2.6	67
K862954		197.0	<0.002	0.93	73.6	9.3	3	13.6	235	0.33	1.99	16.4	0.146	3.35	1.7	66
K862955		150.5	<0.002	0.77	5.20	11.3	2	7.8	242	0.43	0.78	17.4	0.184	2.38	2.8	69
K862956		146.5	<0.002	1.91	6.58	10.3	3	15.4	111.5	0.20	2.48	12.5	0.138	2.34	1.7	75
K862957		143.5	<0.002	0.93	3.59	11.7	2	8.0	169.0	0.31	0.75	13.1	0.166	2.27	1.8	86
K862958		158.0	<0.002	1.58	3.88	15.7	3	11.1	106.5	0.23	1.96	9.3	0.214	2.37	2.4	119
K862959		137.5	<0.002	0.69	3.68	9.0	2	4.5	118.5	0.30	0.66	12.6	0.126	2.22	1.1	68
K862960		140.5	<0.002	1.38	7.92	8.7	2	10.0	91.0	0.30	1.43	15.3	0.137	2.39	1.6	62
K862961		167.5	<0.002	1.67	32.1	7.3	2	6.4	41.5	0.43	0.98	13.1	0.160	3.23	1.5	53
K862962		167.0	<0.002	1.50	14.05	8.4	1	5.6	39.6	0.39	0.50	19.3	0.147	3.36	1.7	56
K862963		153.5	<0.002	0.65	4.18	10.9	2	4.9	137.5	0.36	0.56	16.6	0.144	2.71	1.8	66
K862964		174.5	<0.002	1.58	9.44	8.9	2	8.6	28.2	0.25	0.84	13.8	0.125	2.94	1.3	62

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13121817**

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13142304

Sample Description	Method Analyte Units LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
K862929		15.2	7.2	89	119.0
K862930		10.3	4.8	12	26.2
K862931		8.5	5.4	42	30.9
K862932		5.2	8.7	154	27.4
K862933		8.7	6.3	84	25.8
K862934		5.4	10.3	161	26.7
K862935		13.2	7.0	122	26.4
K862936		11.8	3.3	41	23.9
K862937		3.9	1.6	23	7.3
K862938		0.1	0.7	18	<0.5
K862939		7.7	6.8	69	26.2
K862940		7.5	9.5	112	25.5
K862941		6.3	6.9	48	28.0
K862942		17.6	4.4	24	33.8
K862943		9.1	6.8	38	37.2
K862944		2.7	11.2	150	28.2
K862945		5.7	8.5	175	51.8
K862946		2.7	19.0	333	105.5
K862947		2.9	13.1	247	30.5
K862948		2.9	8.9	132	30.0
K862949		6.4	7.1	118	30.7
K862950		2.0	9.3	242	32.4
K862951		5.8	11.3	2360	30.6
K862952		5.8	7.9	128	32.3
K862953		4.8	7.6	121	26.9
K862954		7.4	6.3	87	29.2
K862955		3.8	8.6	96	31.2
K862956		4.1	6.1	57	60.1
K862957		3.1	6.7	73	48.0
K862958		4.5	6.3	99	115.0
K862959		3.0	4.1	70	25.0
K862960		3.1	6.6	61	28.9
K862961		5.2	6.1	62	32.6
K862962		4.0	5.9	89	29.9
K862963		2.7	6.0	137	32.2
K862964		4.7	6.9	56	27.5

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13121817**

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To: **ROCKHAVEN RESOURCES LTD.**
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 12- AUG- 2013
Account: ROCKHA

Project: KLAZA- 42

CERTIFICATE OF ANALYSIS WH13142304

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method:	REE's may not be totally soluble in this method. ME- MS61
Applies to Method:	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL) ME- MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au- AA24	FND- 02	ME- MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2013
This copy reported on
17- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13142305

Project: KLAZA

P.O. No.: Batch 28

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 7- AUG- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13130965**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142305

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05
M635701		2.25	7.49	899	1560	1.73	1.36	0.33	17.70	51.4	19.6	8	23.4	1280	3.99	15.40
M635702		>100	2.15	9890	360	0.65	68.3	0.21	147.5	14.10	16.3	8	6.16	2300	10.90	5.12
M635703		>100	0.81	>10000	190	0.18	118.5	0.03	12.05	3.94	20.1	9	1.06	2500	18.65	2.53
M635704		1.09	0.06	74	20	0.05	0.49	20.3	0.96	1.16	0.7	1	0.16	15.6	0.52	0.17
M635705		2.19	5.92	105.5	1680	1.22	0.92	1.68	3.63	34.7	5.2	13	17.70	20.6	2.41	16.15
M635706		0.75	6.09	51.9	1870	1.46	0.43	1.56	4.28	33.2	4.5	14	18.05	13.9	2.43	16.95
M635707		2.27	5.08	100.5	890	1.68	1.15	2.31	3.11	27.3	6.3	15	27.5	32.0	2.26	15.65
M635708		0.80	6.18	37.4	1530	1.42	0.30	1.52	3.02	33.1	4.7	13	16.35	9.6	2.42	16.90
M635709		39.2	5.84	2470	1120	1.05	34.6	1.67	42.1	34.0	16.8	23	9.58	1130	8.65	13.05
M635710		5.37	6.38	156.0	2420	2.01	3.80	1.70	5.76	33.7	8.4	17	27.8	69.3	2.82	17.65
M635711		0.27	6.71	21.4	1430	2.13	0.25	1.77	4.55	37.2	7.9	19	23.2	17.3	2.64	19.40
M635712		>100	4.04	2610	810	0.80	48.3	0.09	24.2	27.3	25.5	15	8.44	1275	8.63	9.94
M635713		>100	1.96	>10000	1190	0.35	249	0.06	202	9.95	47.3	12	3.04	1845	12.00	7.59
M635714		2.13	8.02	77.5	2560	1.53	1.25	0.27	2.51	55.5	17.7	12	9.49	65.0	3.39	16.95
M635715		2.55	8.41	55.3	2630	1.57	1.47	0.28	2.57	62.7	17.9	11	9.49	66.3	3.53	17.10
M635716		1.56	6.11	39.4	1070	1.46	0.70	2.41	11.20	41.8	5.3	14	8.02	21.5	2.73	16.35
M635717		1.27	6.59	87.8	1530	1.82	0.49	1.29	7.23	35.6	7.0	16	18.35	543	2.77	17.30
M635718		44.9	5.77	1410	1550	0.88	187.5	0.23	7.40	47.6	2.2	9	18.70	497	6.22	13.60
M635719		1.63	8.41	79.8	1860	1.67	1.32	0.22	14.30	49.8	18.7	10	15.70	603	3.44	16.40
M635720		21.4	5.01	1160	1010	0.68	23.4	0.20	8.29	39.6	5.2	9	11.55	356	8.82	11.00
M635721		3.61	7.72	364	2380	1.65	1.91	0.48	9.89	58.6	18.3	10	13.05	1020	5.04	14.70
M635722		3.34	7.54	289	2060	1.57	0.93	1.20	15.65	46.4	6.5	11	18.00	47.0	3.88	15.35
M635723		0.13	0.08	7	30	0.06	0.18	20.3	0.16	1.23	0.7	1	0.21	6.4	0.51	0.23
M635724		0.54	7.65	22.5	4770	1.52	0.64	0.38	0.33	53.4	9.4	10	20.2	19.2	2.97	15.20
M635725		4.41	6.70	722	1000	1.34	3.07	2.03	10.85	50.2	11.8	25	13.25	310	4.85	14.65
M635726		0.62	7.29	41.5	2870	1.67	0.76	1.30	3.93	42.5	4.6	9	27.3	11.6	3.39	15.50
Q006307		0.39	7.84	14.6	2200	1.57	0.72	0.55	0.30	56.0	7.9	11	9.83	6.6	3.08	14.90
Q006308		0.41	8.15	22.5	1960	1.76	0.48	0.90	0.39	57.3	8.6	11	16.65	7.6	3.28	16.55
Q006309		0.26	7.83	20.9	1820	1.60	0.32	1.36	0.20	51.0	8.0	11	20.5	4.9	3.21	15.85
Q006310		0.21	7.80	14.6	2110	1.58	0.26	1.31	0.27	52.1	7.9	11	12.55	7.1	3.13	15.95
Q006311		0.18	7.82	21.5	1910	1.64	0.25	0.37	0.36	53.1	8.0	9	15.15	6.4	3.11	15.75
Q006312		0.22	8.48	20.5	6260	2.38	0.41	0.71	0.35	56.5	8.8	9	42.6	7.2	3.29	21.8
Q006313		0.20	8.23	23.6	1850	2.23	0.29	0.37	0.34	58.6	7.2	11	41.7	11.6	2.78	18.60
Q006314		0.29	8.74	26.1	1020	2.13	0.45	0.42	0.59	53.0	8.8	12	39.0	12.2	3.06	18.30
Q006315		0.33	8.35	18.9	1500	1.91	0.30	0.31	0.84	58.1	8.0	10	21.9	13.4	3.32	16.60
Q006316		1.42	7.78	62.7	1150	1.73	0.33	0.26	1.16	61.1	7.6	27	31.5	17.2	2.66	17.95

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13130965**

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142305

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb
	Units	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5	0.1
M635701		0.14	1.0	0.324	2.67	28.1	55.1	0.21	3580	2.86	0.27	7.9	2.2	500	160.5	124.5
M635702		0.10	0.4	2.43	0.78	6.9	19.5	0.06	765	4.24	0.02	2.0	1.3	160	1105	43.4
M635703		0.12	0.1	4.96	0.37	1.9	10.0	0.02	56	2.49	0.01	0.6	0.8	30	5040	21.5
M635704		0.07	<0.1	0.010	0.03	0.6	0.9	12.95	218	0.10	<0.01	0.2	1.3	180	14.5	1.2
M635705		0.12	2.3	0.052	1.85	17.0	127.5	0.12	775	2.47	0.05	11.1	3.0	760	78.5	60.5
M635706		0.13	2.4	0.055	1.85	16.0	163.5	0.12	1020	2.06	0.05	11.4	2.9	790	76.6	60.4
M635707		0.12	2.5	0.061	1.93	13.1	59.7	0.13	992	2.10	0.04	10.4	4.1	800	157.5	63.6
M635708		0.12	2.3	0.022	1.82	15.8	96.1	0.11	923	2.68	0.05	11.5	2.9	780	68.0	58.3
M635709		0.15	0.8	1.435	2.64	17.7	14.0	0.67	2280	16.55	0.06	4.6	12.4	440	1640	139.0
M635710		0.13	3.1	0.139	2.83	16.0	37.2	0.24	926	2.57	0.05	10.5	5.7	960	411	111.0
M635711		0.14	3.7	0.024	3.11	17.7	79.2	0.21	780	1.81	0.06	11.7	6.9	1090	27.1	120.0
M635712		0.10	0.7	1.455	1.83	15.5	14.1	0.13	156	7.68	0.02	3.7	2.1	210	>10000	111.5
M635713		0.10	0.3	29.9	0.89	5.8	11.2	0.06	164	6.48	0.02	1.5	2.0	110	>10000	52.3
M635714		0.13	1.2	0.228	3.29	29.9	31.0	0.21	1190	3.95	0.25	8.6	4.1	670	146.0	158.0
M635715		0.14	1.3	0.256	3.36	35.3	31.4	0.22	1230	4.26	0.26	8.5	4.0	670	165.0	159.5
M635716		0.11	2.5	0.134	0.92	19.9	121.0	0.28	945	2.02	0.03	10.6	3.0	840	212	26.0
M635717		0.11	3.0	0.089	2.06	16.4	106.5	0.13	976	2.75	0.04	11.1	3.9	920	189.0	84.0
M635718		0.11	1.2	2.70	2.37	26.4	25.3	0.17	114	3.52	0.04	6.7	1.2	480	781	140.5
M635719		0.13	1.2	0.278	3.16	25.3	62.5	0.16	2540	2.65	0.07	8.0	3.4	650	132.0	165.0
M635720		0.11	0.8	0.804	2.28	22.4	14.2	0.16	246	4.88	0.05	4.4	1.5	430	1230	130.5
M635721		0.13	1.2	0.694	3.23	31.1	17.2	0.30	1430	2.71	0.84	7.1	3.2	680	109.5	153.5
M635722		0.11	1.3	0.384	3.23	24.4	18.4	0.23	3820	2.79	0.10	7.7	3.1	600	392	165.5
M635723		0.10	<0.1	0.010	0.03	0.6	1.0	12.35	227	0.26	<0.01	0.2	1.1	170	6.7	1.5
M635724		0.16	1.2	0.078	2.68	30.9	20.2	0.19	991	2.06	1.07	7.4	3.4	600	26.5	125.5
M635725		0.12	1.1	0.288	2.87	28.7	25.7	0.74	1860	13.10	0.15	6.0	14.5	520	458	160.5
M635726		0.13	1.0	0.248	2.75	22.0	29.2	0.21	1640	1.67	0.07	7.7	2.8	610	68.6	134.5
Q006307		0.12	1.5	0.043	1.92	32.4	22.2	0.18	1080	0.59	2.35	8.2	3.6	690	22.8	96.2
Q006308		0.12	1.6	0.047	2.37	32.2	23.3	0.27	1340	0.66	1.85	8.4	3.4	670	27.8	125.0
Q006309		0.13	1.5	0.049	2.46	28.3	20.7	0.41	1420	0.68	1.60	7.6	3.3	620	17.2	124.5
Q006310		0.12	1.4	0.044	2.42	28.8	17.4	0.33	863	0.61	1.80	7.9	3.3	670	20.8	111.5
Q006311		0.14	1.4	0.038	2.63	30.6	15.4	0.24	819	0.72	1.47	7.9	3.5	640	22.4	125.0
Q006312		0.17	1.6	0.053	4.08	29.4	11.6	0.40	958	0.58	0.08	8.7	3.1	670	19.3	216
Q006313		0.14	3.6	0.040	2.59	31.1	63.1	0.23	714	1.48	0.34	10.4	5.0	820	30.0	116.0
Q006314		0.14	3.2	0.045	2.76	27.1	31.9	0.26	963	1.54	0.73	9.9	5.6	820	35.1	124.0
Q006315		0.14	1.5	0.048	2.47	29.6	24.1	0.23	1200	1.65	1.78	8.0	4.9	690	64.0	122.0
Q006316		0.14	3.6	0.047	2.61	33.0	64.4	0.18	1380	2.37	0.17	8.7	16.8	660	209	124.5

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13130965**

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Finalized Date: 13- AUG- 2013
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142305

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
M635701		<0.002	0.06	33.8	9.1	1	1.9	82.1	0.60	0.07	13.9	0.234	2.03	7.9	67	1.8
M635702		<0.002	4.21	211	2.5	1	5.4	53.7	0.16	1.21	2.9	0.060	0.81	8.3	20	1.9
M635703		<0.002	>10.0	651	1.0	2	8.9	14.8	0.05	2.37	1.0	0.020	0.37	3.7	8	0.9
M635704		<0.002	0.03	2.43	0.2	<1	<0.2	41.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.7	2	0.1
M635705		<0.002	0.05	25.3	4.5	1	1.4	158.5	0.69	<0.05	6.0	0.230	1.42	4.8	52	1.9
M635706		<0.002	0.04	11.00	4.6	<1	1.3	151.0	0.75	<0.05	6.1	0.239	1.46	3.8	51	2.2
M635707		<0.002	0.12	26.6	4.0	1	1.4	287	0.66	0.09	5.1	0.241	1.64	4.2	53	2.2
M635708		<0.002	0.03	10.65	4.7	1	1.3	109.5	0.73	<0.05	6.1	0.244	1.44	4.1	50	2.3
M635709		0.003	7.76	100.0	7.3	2	9.9	59.4	0.38	0.68	8.3	0.168	2.08	5.2	57	6.8
M635710		<0.002	0.43	28.5	5.9	1	1.8	164.5	0.68	0.11	6.4	0.271	2.55	5.3	63	2.3
M635711		<0.002	0.03	10.35	6.1	1	1.4	158.5	0.75	<0.05	6.3	0.300	2.73	3.6	68	1.8
M635712		<0.002	3.36	124.0	5.5	1	14.6	27.7	0.32	2.18	5.2	0.121	1.31	7.7	40	3.7
M635713		0.002	9.62	566	2.7	3	15.9	37.6	0.13	4.89	2.5	0.052	0.75	8.6	21	1.8
M635714		<0.002	0.07	10.90	11.5	1	2.1	69.6	0.73	0.05	16.2	0.254	1.80	4.4	76	5.2
M635715		<0.002	0.07	11.25	11.6	1	2.1	70.1	0.72	0.07	17.1	0.259	1.80	4.4	77	5.0
M635716		<0.002	0.06	7.17	4.7	1	1.5	259	0.75	<0.05	7.0	0.229	0.81	4.7	51	2.8
M635717		<0.002	0.04	11.55	5.6	1	1.4	299	0.77	<0.05	6.7	0.250	1.93	10.1	58	2.4
M635718		<0.002	1.03	181.5	7.7	1	9.8	141.5	0.52	1.69	9.3	0.197	2.06	9.8	55	3.4
M635719		<0.002	0.07	22.1	10.9	1	4.9	68.9	0.66	<0.05	15.4	0.244	2.37	14.3	76	3.2
M635720		<0.002	1.21	65.0	6.2	1	4.4	42.6	0.36	4.11	11.4	0.144	1.95	7.4	51	2.2
M635721		<0.002	0.09	12.85	10.0	1	2.3	118.0	0.62	0.41	15.9	0.235	1.95	9.0	72	2.4
M635722		<0.002	1.23	16.45	10.2	1	2.6	50.0	0.67	0.06	14.1	0.232	2.60	5.0	70	3.5
M635723		<0.002	0.01	0.34	0.2	<1	<0.2	41.8	<0.05	<0.05	<0.2	<0.005	0.02	0.5	2	0.1
M635724		<0.002	0.11	9.26	10.6	1	1.5	116.0	0.66	0.07	15.4	0.229	1.30	3.6	74	3.7
M635725		0.004	2.53	27.9	8.7	1	5.5	104.0	0.50	0.30	11.3	0.196	2.32	5.1	67	5.1
M635726		<0.002	0.16	13.05	10.1	1	2.8	50.7	0.61	<0.05	11.9	0.241	1.84	3.4	75	4.8
Q006307		<0.002	0.04	3.66	11.3	1	1.5	150.0	0.73	<0.05	15.2	0.261	0.97	3.2	76	1.7
Q006308		<0.002	0.04	4.52	11.5	1	1.7	149.0	0.78	<0.05	16.3	0.257	1.24	3.3	81	1.5
Q006309		<0.002	0.05	4.56	10.6	1	1.4	125.5	0.59	<0.05	15.6	0.243	1.27	3.0	79	1.2
Q006310		<0.002	0.05	3.45	10.9	1	1.5	152.5	0.64	<0.05	14.9	0.253	1.03	3.5	80	1.1
Q006311		<0.002	0.03	3.94	11.1	1	1.5	124.5	0.68	<0.05	14.4	0.246	1.12	4.2	76	1.3
Q006312		<0.002	0.14	6.34	12.1	1	1.7	105.0	0.70	<0.05	16.3	0.269	2.01	5.9	106	1.4
Q006313		<0.002	0.03	9.55	8.5	1	1.4	188.0	0.80	<0.05	12.2	0.290	1.38	5.5	77	1.6
Q006314		<0.002	0.02	9.91	10.0	1	1.5	192.0	0.78	0.05	13.2	0.301	1.51	6.8	86	1.6
Q006315		<0.002	0.02	7.82	11.9	1	1.5	137.0	0.64	<0.05	14.9	0.249	1.50	4.4	80	1.5
Q006316		<0.002	0.02	13.55	7.3	1	1.6	266	0.69	<0.05	13.7	0.249	1.69	5.9	60	2.0

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13130965**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142305

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62
	Analyte	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	%	%
	LOR	0.1	2	0.5	1	0.001	0.001
M635701		17.0	1540	26.1			
M635702		4.2	3790	12.7	100		
M635703		1.3	482	2.9	302		
M635704		0.7	39	<0.5			
M635705		8.9	415	83.4			
M635706		8.3	374	84.5			
M635707		7.8	351	94.5			
M635708		8.7	279	83.2			
M635709		8.9	3290	22.4			
M635710		10.2	462	124.0			
M635711		12.2	328	145.0			
M635712		12.2	1640	15.7	108	1.295	
M635713		5.2	>10000	6.8	692	5.07	1.405
M635714		20.7	316	30.2			
M635715		21.2	323	31.1			
M635716		9.3	661	84.6			
M635717		9.2	688	105.5			
M635718		6.2	566	35.7			
M635719		17.5	1360	30.9			
M635720		4.1	759	18.1			
M635721		18.6	890	29.0			
M635722		15.3	1200	30.1			
M635723		0.8	22	<0.5			
M635724		18.4	75	27.9			
M635725		11.4	870	31.0			
M635726		13.1	406	26.4			
Q006307		17.8	73	39.2			
Q006308		19.7	84	42.0			
Q006309		17.9	63	41.3			
Q006310		16.7	66	37.4			
Q006311		16.8	69	36.0			
Q006312		17.5	74	46.9			
Q006313		17.6	80	125.0			
Q006314		17.2	106	108.0			
Q006315		15.0	149	43.2			
Q006316		13.8	257	130.5			

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13130965**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142305

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- OG62	FND- 02	ME- MS61	ME- OG62
Pb- OG62	Zn- OG62		

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13142557

Project: KLAZA

P.O. No.: Batch 46

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6- AUG- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

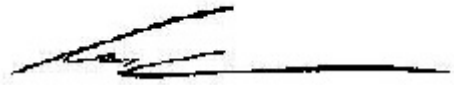
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
Au- GRA22	Au 50 g FA- GRAV finish	WST- SIM
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142557

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
Q006759		16.22	8.15		>100	2.61	5200	910	0.40	224	0.20	6.64	31.7	0.6	9	6.43
Q006760		2.78	0.031		2.22	0.08	9	20	0.08	1.18	20.4	0.09	1.23	0.6	1	0.12
Q006761		8.88	2.27		>100	5.33	6190	860	1.04	78.2	0.36	52.0	43.6	2.6	13	14.20
Q006762		8.49	0.069		10.70	6.84	167.5	870	2.04	3.59	1.97	36.9	47.2	8.0	18	24.7
Q006763		<0.02	0.069		7.81	7.01	171.0	930	1.95	3.19	1.86	34.6	51.9	7.9	18	24.7
Q006764		4.40	0.844		16.15	6.09	2480	880	1.12	2.90	0.25	58.6	41.3	5.9	9	17.40
Q006765		7.03	0.096		5.97	8.05	244	1380	1.59	0.90	1.22	12.35	68.8	6.3	14	22.0
Q006766		7.21	0.012		1.17	6.30	36.1	1970	1.49	0.39	2.35	6.30	41.5	5.6	14	23.6
Q006767		4.33	0.053		4.11	8.23	201	5000	1.96	1.16	0.56	16.75	72.9	6.7	14	33.6
Q006768		7.38	0.031		3.98	7.83	337	1360	2.06	0.80	0.52	26.2	55.6	8.2	9	32.7
Q006769		0.24	0.915		12.20	6.47	1360	1020	1.38	13.15	1.85	32.7	44.3	17.9	18	14.20
Q006570		6.26	0.135		4.92	7.95	554	1470	1.80	0.60	1.07	14.15	42.9	23.8	28	28.8
Q006571		6.55	0.035		0.91	7.48	267	750	1.42	0.25	0.64	2.65	31.5	21.6	39	10.65
Q006572		3.94	>10.0	26.1	>100	2.31	>10000	960	0.68	0.99	1.18	215	19.85	15.5	10	26.5
Q006773		6.21	0.066		2.57	8.08	184.0	2090	1.62	3.24	0.44	7.55	55.4	9.5	11	15.30
Q006774		6.58	0.103		2.85	7.79	249	1960	1.69	1.02	0.36	13.75	53.3	10.5	9	16.80
Q006775		8.09	0.131		6.19	8.08	626	1340	1.32	4.36	0.13	7.68	49.7	8.9	10	17.55
Q006776		7.03	0.039		3.10	8.10	152.5	1490	1.65	1.62	0.26	12.30	59.8	20.4	10	21.6
Q006777		0.23	0.393		5.13	6.88	623	940	1.49	3.94	2.18	11.30	50.0	12.9	27	14.45
Q006778		4.69	0.072		5.02	8.38	134.5	1970	1.79	4.60	0.47	9.55	63.1	14.3	15	15.95
Q006779		6.98	0.011		1.03	7.87	26.6	2190	1.63	1.78	1.52	3.59	52.1	9.0	12	7.66
Q006780		5.17	0.041		3.18	7.71	144.0	1630	1.60	1.97	0.58	15.65	57.3	8.5	16	11.45
Q006781		4.59	0.050		4.00	7.89	311	1660	1.64	2.57	0.36	12.50	54.4	7.1	11	14.75
Q006782		6.76	0.052		6.81	7.65	983	1840	1.49	5.66	0.57	14.05	42.7	3.7	10	16.50
Q006783		7.31	0.100		14.30	7.65	1560	1560	1.22	22.4	0.34	10.25	44.0	2.6	11	14.20
Q006784		9.32	0.692		42.5	3.78	246	1650	0.54	17.50	0.07	0.89	28.1	0.7	12	5.29
Q006785		7.87	0.289		21.7	6.79	1370	1960	1.08	9.38	0.47	3.82	56.5	2.6	17	19.00
Q006786		7.63	0.463		30.1	6.89	2680	1970	1.35	19.35	0.23	13.20	60.0	1.9	14	14.90
Q006787		6.55	0.124		9.84	7.51	1110	1140	1.44	9.58	0.20	16.80	64.6	3.2	12	10.50
Q006788		6.87	0.156		7.55	7.82	1115	1260	1.48	4.95	0.22	22.7	63.4	1.3	14	14.00
Q006789		4.04	0.253		12.90	7.47	2570	2290	1.48	5.57	0.22	28.1	63.4	1.0	14	14.65
Q006790		3.08	0.279		12.20	8.09	1465	1350	1.63	17.15	0.32	19.45	69.7	1.9	16	13.45
Q006791		3.77	0.100		8.09	8.36	1470	1140	1.56	4.41	0.17	23.9	65.4	1.0	12	12.95
Q006792		2.93	<0.005		0.07	0.08	8	50	0.07	0.09	21.8	0.17	1.21	0.7	1	0.16
Q006793		9.22	0.114		9.84	8.35	1805	1390	1.54	5.93	0.26	21.7	71.1	1.6	15	10.15
Q006794		9.83	0.068		2.39	7.90	702	2130	1.47	0.82	1.50	5.73	42.8	7.0	11	11.45

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142557

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Q006759		203	5.63	9.46	0.12	0.6	3.71	1.60	18.6	12.2	0.14	129	2.70	0.03	4.4	1.4
Q006760		2.2	0.47	0.20	0.10	<0.1	0.014	0.02	0.6	0.9	12.85	193	0.16	0.02	0.1	1.5
Q006761		1040	10.65	17.60	0.13	1.5	6.03	2.10	26.6	18.0	0.23	374	3.20	0.07	6.2	3.0
Q006762		193.0	3.12	18.00	0.15	3.6	0.124	2.78	23.9	38.5	0.27	1380	1.99	0.04	10.0	5.9
Q006763		202	3.13	17.70	0.17	3.5	0.129	2.79	26.5	37.2	0.28	1360	1.94	0.04	9.9	5.7
Q006764		57.1	6.22	14.45	0.13	0.9	0.553	2.77	24.1	14.7	0.23	556	4.16	0.03	6.2	2.1
Q006765		24.0	3.03	19.05	0.17	2.8	0.109	2.03	36.8	74.2	0.16	774	1.99	0.04	12.0	3.3
Q006766		8.8	2.46	18.70	0.14	2.7	0.102	2.58	20.6	44.7	0.13	853	1.38	0.09	12.1	3.5
Q006767		31.4	2.97	19.60	0.17	2.8	0.148	2.42	38.7	49.1	0.17	1270	1.67	0.09	12.5	3.7
Q006768		25.1	3.96	17.05	0.16	1.2	0.147	3.14	30.9	20.6	0.28	3760	7.44	0.05	8.3	4.0
Q006769		277	6.31	15.15	0.16	1.1	0.797	2.80	23.3	17.5	0.76	1800	7.62	0.12	6.4	12.1
Q006570		129.5	5.69	22.2	0.16	0.7	0.663	2.76	20.7	25.7	0.36	11300	6.15	0.03	6.0	13.1
Q006571		83.2	5.12	24.3	0.25	0.8	0.110	0.77	13.2	42.5	0.16	1620	2.71	0.03	7.9	11.0
Q006572		1325	12.00	8.65	0.10	0.2	2.21	0.86	10.6	39.2	0.13	8650	2.18	0.02	1.3	5.3
Q006773		34.8	4.08	17.85	0.14	1.3	0.147	3.53	29.2	29.1	0.46	1670	1.99	0.54	8.4	3.7
Q006774		32.7	3.87	16.85	0.14	1.2	0.115	3.52	27.5	18.2	0.42	2930	1.43	0.43	8.0	3.4
Q006775		31.0	5.04	17.55	0.14	1.4	0.331	3.42	26.8	17.1	0.24	2260	1.94	0.15	8.3	2.2
Q006776		38.9	5.50	17.55	0.17	1.3	0.271	3.42	33.6	15.3	0.26	2790	2.79	0.24	8.2	3.3
Q006777		328	5.32	16.00	0.13	1.1	0.328	3.10	28.4	28.8	0.79	2030	14.95	0.16	6.3	15.4
Q006778		108.0	5.25	18.85	0.14	1.3	0.347	3.64	36.1	23.8	0.48	2820	2.62	0.59	8.3	5.2
Q006779		19.5	3.28	17.40	0.13	1.3	0.091	2.59	25.4	10.5	0.67	1100	1.20	2.31	8.5	5.0
Q006780		96.6	4.90	17.25	0.16	1.1	0.277	3.15	31.6	22.2	0.37	1730	2.51	0.71	8.2	5.7
Q006781		332	5.48	17.40	0.14	1.1	0.654	3.42	30.9	30.7	0.27	1170	2.94	0.40	7.7	2.8
Q006782		581	6.00	16.90	0.15	1.3	0.940	3.41	26.7	18.2	0.28	345	4.30	0.76	7.7	2.7
Q006783		112.5	5.29	17.80	0.12	1.4	0.814	3.32	27.4	16.0	0.27	294	4.31	0.34	8.2	2.3
Q006784		26.4	2.41	6.85	0.08	0.9	0.171	1.83	15.8	23.0	0.10	132	3.36	0.06	5.6	2.2
Q006785		140.0	6.68	16.90	0.14	1.6	0.874	2.36	32.2	28.3	0.29	316	9.87	0.35	8.1	3.4
Q006786		327	6.42	16.00	0.15	1.5	1.025	2.87	34.6	21.6	0.23	380	4.47	0.12	7.7	2.6
Q006787		214	4.51	16.85	0.15	1.1	0.659	3.44	36.9	11.7	0.26	606	4.13	0.13	7.6	2.2
Q006788		289	5.30	16.85	0.13	1.1	0.630	3.54	36.1	13.8	0.27	246	3.98	0.10	7.5	2.4
Q006789		280	6.03	17.05	0.14	1.3	1.015	3.35	35.1	15.1	0.27	225	5.12	0.08	7.8	2.1
Q006790		302	4.45	16.60	0.16	1.5	0.813	3.20	39.5	33.6	0.28	279	3.73	0.23	9.4	3.3
Q006791		142.5	3.33	18.05	0.14	1.1	0.749	3.77	37.0	18.4	0.30	206	4.71	0.09	8.5	1.6
Q006792		2.9	0.50	0.20	0.08	<0.1	0.008	0.03	0.6	1.0	12.90	218	0.12	0.01	0.1	1.8
Q006793		164.0	3.79	18.70	0.19	1.6	0.712	3.62	41.8	25.0	0.33	242	4.44	0.15	9.4	2.6
Q006794		46.4	3.72	16.90	0.13	1.5	0.222	2.94	22.5	18.5	0.56	896	1.69	1.61	8.3	3.5

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142557

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
Q006759		400	>10000	98.0	0.003	2.33	727	5.2	1	33.7	42.2	0.37	4.17	5.8	0.152	1.78
Q006760		180	167.0	0.9	<0.002	0.01	2.58	0.2	<1	0.3	48.4	<0.05	<0.05	<0.2	<0.005	0.03
Q006761		670	>10000	142.0	<0.002	1.51	226	9.5	1	11.8	150.0	0.46	2.14	19.4	0.198	2.57
Q006762		1010	999	144.0	<0.002	0.06	20.7	6.4	1	1.7	185.0	0.72	0.05	8.0	0.292	3.70
Q006763		1010	862	153.5	<0.002	0.06	18.60	6.6	1	1.6	187.5	0.71	<0.05	8.9	0.290	3.78
Q006764		410	2650	188.0	<0.002	0.24	43.2	7.9	1	7.2	63.8	0.52	0.41	10.1	0.202	3.05
Q006765		940	861	90.7	<0.002	0.05	12.95	6.6	1	2.2	219	0.85	0.06	11.8	0.284	2.02
Q006766		830	161.5	88.4	<0.002	0.04	7.35	5.1	1	1.5	137.0	0.80	<0.05	6.9	0.269	2.31
Q006767		920	571	116.5	<0.002	0.29	14.60	7.5	1	2.4	263	0.85	<0.05	13.0	0.290	1.99
Q006768		640	688	198.5	<0.002	0.18	18.85	10.9	1	2.9	64.9	0.67	<0.05	14.9	0.268	3.44
Q006769		520	1265	161.5	<0.002	4.64	63.4	9.0	2	8.0	94.2	0.53	1.25	11.6	0.207	2.59
Q006570		1110	545	137.0	0.002	0.16	61.5	19.9	1	3.4	144.5	0.38	0.05	5.8	0.453	3.80
Q006571		1390	51.8	24.3	0.002	0.02	48.5	27.1	1	1.8	72.4	0.49	<0.05	4.7	0.611	0.61
Q006572		290	>10000	73.2	<0.002	0.29	623	7.4	1	16.5	223	0.08	0.07	1.7	0.107	0.92
Q006773		620	272	182.5	<0.002	0.05	6.42	11.8	1	2.8	101.0	0.71	0.08	17.4	0.272	2.42
Q006774		590	364	186.5	<0.002	0.04	8.55	10.7	<1	2.3	81.6	0.73	0.05	15.4	0.258	2.46
Q006775		510	648	195.5	<0.002	0.09	10.50	9.7	1	6.3	39.3	0.72	0.17	15.1	0.265	2.88
Q006776		600	413	197.0	<0.002	0.03	7.50	11.8	1	3.3	48.4	0.70	0.08	17.7	0.256	2.91
Q006777		550	515	171.0	0.005	2.93	28.6	10.0	1	5.8	107.5	0.49	0.31	11.9	0.226	2.55
Q006778		720	429	209	0.002	0.07	13.55	13.2	1	3.3	92.1	0.69	0.25	17.5	0.289	2.98
Q006779		680	65.0	116.5	<0.002	0.02	2.59	11.6	1	2.4	297	0.69	0.08	14.6	0.293	1.39
Q006780		580	534	171.5	<0.002	0.03	6.80	11.7	1	5.3	114.5	0.69	0.06	14.0	0.293	2.32
Q006781		660	657	192.5	<0.002	0.07	9.85	11.7	1	5.0	81.3	0.67	0.07	17.6	0.264	2.91
Q006782		760	557	174.5	<0.002	0.15	14.85	10.5	1	3.4	129.5	0.66	0.41	16.4	0.262	2.31
Q006783		480	1890	178.5	<0.002	0.53	31.2	7.9	2	4.6	99.2	0.71	1.17	11.5	0.284	2.76
Q006784		120	1020	87.6	<0.002	0.57	27.7	4.6	2	10.9	33.6	0.45	0.30	4.9	0.197	1.54
Q006785		680	4040	141.5	0.002	0.57	34.3	9.4	1	7.9	134.5	0.60	0.58	11.4	0.292	2.23
Q006786		620	6540	177.5	<0.002	0.71	46.2	11.3	1	10.1	98.8	0.60	0.52	12.7	0.276	2.85
Q006787		660	1700	218	<0.002	0.36	22.3	11.8	1	8.2	68.8	0.59	0.33	16.7	0.274	3.41
Q006788		750	1565	225	0.002	0.54	15.95	12.9	1	7.0	61.6	0.57	0.23	14.4	0.282	3.55
Q006789		950	3540	219	<0.002	0.61	31.2	13.2	1	7.1	108.5	0.57	0.22	16.7	0.286	3.59
Q006790		840	2100	185.5	<0.002	0.29	29.1	15.1	1	5.2	118.0	0.70	0.77	18.8	0.346	3.22
Q006791		650	1600	241	0.002	0.27	20.4	12.3	1	5.3	90.3	0.65	0.18	17.8	0.324	4.19
Q006792		180	11.0	1.6	<0.002	0.01	0.21	0.2	1	0.2	45.5	<0.05	<0.05	<0.2	<0.005	0.03
Q006793		800	2290	229	<0.002	0.26	23.4	11.4	1	5.6	126.5	0.69	0.21	19.7	0.342	3.85
Q006794		580	350	133.5	<0.002	0.15	9.92	10.5	1	2.3	255	0.72	<0.05	15.8	0.282	1.61

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142557

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001
Q006759		4.4	36	3.3	3.1	328	14.9	884	5.73
Q006760		0.6	2	0.1	0.8	17	0.5		
Q006761		11.2	77	4.3	8.9	2680	54.2	161	1.680
Q006762		6.0	63	3.5	13.9	1980	132.0		
Q006763		6.8	63	3.5	14.6	2000	130.5		
Q006764		4.0	60	5.6	6.1	2730	26.3		
Q006765		5.2	57	3.6	14.7	870	90.3		
Q006766		3.0	56	2.3	9.6	400	88.8		
Q006767		5.9	59	5.1	16.2	1540	90.3		
Q006768		4.0	74	4.1	16.5	1890	30.0		
Q006769		5.2	61	5.5	11.5	2360	30.4		
Q006570		1.9	170	8.6	21.7	960	16.1		
Q006571		1.5	209	25.4	17.2	282	19.1		
Q006572		2.9	72	2.2	11.1	7780	4.7	361	1.120
Q006773		4.0	78	2.4	16.0	1080	30.8		
Q006774		4.4	72	2.0	15.5	1300	29.4		
Q006775		3.7	73	4.6	9.8	1020	33.8		
Q006776		6.1	72	2.9	18.8	1540	32.7		
Q006777		5.5	71	5.5	12.6	926	32.7		
Q006778		5.1	82	2.6	20.3	1180	33.2		
Q006779		2.2	79	1.6	15.4	358	29.6		
Q006780		4.1	78	5.0	15.4	1360	31.0		
Q006781		7.5	74	6.2	15.1	1510	25.1		
Q006782		10.1	76	2.2	12.9	700	30.3		
Q006783		4.4	73	4.1	7.6	453	32.6		
Q006784		1.4	36	10.5	4.0	91	20.7		
Q006785		3.8	73	7.8	7.8	591	51.2		
Q006786		5.3	76	8.1	6.9	1140	37.1		
Q006787		5.1	76	9.4	7.4	484	30.4		
Q006788		7.3	78	9.7	7.6	665	25.5		
Q006789		7.6	82	9.5	12.1	919	35.9		
Q006790		9.1	84	8.8	11.8	627	44.0		
Q006791		7.0	80	8.8	8.8	396	26.2		
Q006792		0.6	2	0.1	0.8	18	<0.5		
Q006793		8.2	81	7.9	12.0	533	49.0		
Q006794		3.7	76	1.8	14.0	771	38.4		

***** See Appendix Page for comments regarding this certificate *****

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142557

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- OG62	Au- AA24	Au- GRA22	ME- MS61
	ME- OG62	Pb- OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13142558

Project: KLAZA

P.O. No.: Batch 47

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6- AUG- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

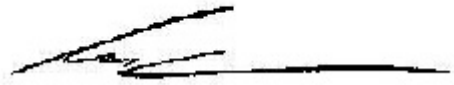
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142558

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006795		7.50	1.035	27.3	6.11	2370	730	1.11	9.19	0.11	11.80	40.4	0.9	8	7.95	43.5
Q006796		8.79	0.677	11.85	5.92	1865	1330	1.32	3.11	0.17	21.0	41.1	1.6	9	18.65	75.9
Q006797		13.20	0.169	7.41	8.03	482	1580	2.23	0.92	0.23	24.5	62.3	7.1	13	35.6	53.2
Q006798		13.24	0.448	8.12	6.38	1240	2010	1.74	2.15	0.18	22.8	50.6	4.2	11	31.8	83.9
Q006799		10.59	0.212	9.56	7.14	1960	1480	1.62	5.74	0.22	23.1	46.1	6.6	9	19.35	96.7
Q006800		15.85	0.299	9.08	5.78	1030	1210	0.83	13.25	0.29	1.85	45.5	4.5	8	20.9	36.5
Q006801		1.76	<0.005	0.04	0.08	7	20	<0.05	0.06	19.80	0.12	1.08	0.6	<1	0.25	2.6
Q006802		13.87	2.19	76.2	4.18	1495	540	0.58	84.6	0.22	1.11	38.6	4.4	7	10.30	30.3
Q006803		13.22	3.75	>100	3.90	935	730	0.48	59.3	0.13	1.05	41.5	5.6	9	6.62	24.7
Q006804		16.46	0.221	14.75	5.37	1665	430	0.86	25.8	0.26	3.26	46.9	7.8	9	15.00	68.3
Q006805		7.17	0.144	11.00	6.76	1575	1070	1.11	39.2	0.16	8.55	57.5	14.0	9	21.6	75.5
Q006806		7.20	0.007	0.36	7.68	111.5	2130	1.75	0.36	1.64	2.69	54.7	11.8	10	9.80	57.2
Q006807		8.44	0.012	7.34	7.64	775	1780	1.46	0.49	0.89	10.05	38.8	11.5	9	17.35	342
Q006808		0.24	0.873	11.95	6.54	1565	1030	1.44	10.60	1.86	31.9	46.4	18.0	17	14.65	289
Q006809		8.63	0.015	8.12	6.50	1075	1610	1.07	0.82	0.71	8.44	48.2	9.2	9	25.9	581
Q006810		10.42	1.295	72.1	4.87	4570	480	0.60	49.3	0.38	2.99	54.1	1.9	14	22.8	333
Q006811		8.94	0.608	73.9	5.40	3890	440	0.85	18.35	0.35	2.10	54.1	1.9	15	28.3	365
Q006812		11.93	0.126	31.2	5.27	4400	830	1.01	2.82	0.24	6.74	44.5	19.2	11	13.80	681
Q006813		9.13	0.043	11.30	7.57	1570	1970	0.97	0.91	0.31	2.54	24.7	5.0	7	21.7	325
Q006814		7.12	0.050	13.60	7.34	1065	1720	1.31	1.57	0.48	2.15	24.6	4.4	8	16.45	218
Q006815		7.79	0.043	9.17	7.52	1010	2130	1.26	1.41	0.91	10.50	23.4	7.9	10	12.90	174.0
Q006816		9.12	0.050	11.60	7.70	944	2170	1.33	2.93	0.59	10.45	31.9	15.9	11	17.80	208
Q006817		5.32	0.005	1.26	7.97	204	1510	1.55	0.59	0.74	3.93	47.1	5.1	12	10.20	82.2
Q006818		<0.02	0.011	1.45	7.89	218	1510	1.52	0.75	0.73	3.96	48.0	5.2	11	10.30	82.0
Q006819		6.96	0.027	7.64	7.43	1380	1590	1.37	1.37	0.21	7.90	48.4	6.4	11	15.35	485
Q006820		7.66	0.060	8.15	6.67	2420	950	0.90	2.84	0.19	8.43	27.5	5.1	8	20.9	882
Q006821		14.92	0.201	20.9	6.41	3560	1300	0.88	4.22	0.37	3.85	51.0	2.6	11	18.15	459
Q006822		1.83	<0.005	0.10	0.09	12	20	0.05	0.07	21.0	0.09	1.16	0.6	1	0.21	9.5
Q006823		7.09	0.185	20.9	6.96	1600	1490	1.20	16.55	0.30	3.39	51.3	7.9	18	18.70	679
Q006824		8.83	0.099	18.05	7.83	673	1760	2.45	18.65	0.41	8.61	72.8	16.5	17	20.9	504
Q006825		6.75	0.036	4.57	6.15	132.5	3570	1.46	2.44	1.72	23.4	41.2	6.2	12	6.86	77.9
Q006826		0.22	0.375	4.27	6.40	660	670	1.38	2.70	1.94	9.92	48.0	11.2	21	13.55	302
Q006827		7.80	0.091	6.13	6.72	161.5	1490	1.42	4.93	1.50	18.75	48.0	5.4	14	9.13	77.4
Q006828		5.56	0.286	11.50	7.28	299	3460	1.61	9.01	1.15	31.7	67.3	8.5	15	4.66	431
Q006829		4.58	0.024	3.26	7.37	95.3	1770	1.55	2.11	1.85	11.70	41.6	6.4	10	19.20	55.9
Q006830		7.06	0.027	3.83	7.69	93.4	2230	1.69	2.26	1.59	6.69	48.6	7.3	10	15.95	53.7

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 24- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142558

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006795		3.20	14.65	0.13	1.2	1.035	2.94	22.5	15.3	0.22	139	1.68	0.05	6.3	1.2	210
Q006796		4.52	12.65	0.13	1.0	0.485	2.68	22.4	14.4	0.21	1100	4.41	0.04	5.7	1.4	460
Q006797		4.25	17.65	0.15	2.7	0.279	3.01	32.5	36.9	0.25	4600	9.69	0.05	10.1	4.1	880
Q006798		4.25	13.80	0.16	1.9	0.465	2.24	30.6	43.7	0.20	1240	6.07	0.05	7.3	3.1	620
Q006799		5.57	13.45	0.13	1.1	0.511	2.50	27.1	24.9	0.18	1740	4.48	0.09	6.5	3.4	640
Q006800		7.37	13.60	0.14	1.1	0.682	1.88	24.1	40.9	0.16	335	3.54	0.09	6.3	2.0	510
Q006801		0.48	0.18	0.08	<0.1	0.005	0.03	0.5	1.5	12.60	214	0.06	<0.01	0.2	1.4	190
Q006802		7.33	7.27	0.15	1.2	0.473	2.30	20.0	17.7	0.13	287	3.20	0.12	6.1	1.3	340
Q006803		6.04	5.74	0.14	1.1	0.394	2.17	22.0	14.5	0.10	316	3.28	0.09	7.5	1.3	200
Q006804		9.72	13.85	0.14	1.0	0.999	2.71	24.8	18.2	0.17	505	5.44	0.36	6.8	1.9	480
Q006805		5.42	14.75	0.15	1.1	0.663	3.14	32.8	13.9	0.22	693	6.21	0.05	7.3	2.0	450
Q006806		3.46	15.65	0.15	1.3	0.092	2.78	27.9	10.2	0.63	823	1.43	2.21	8.1	3.8	610
Q006807		5.75	14.80	0.13	1.0	0.285	3.07	21.8	13.6	0.33	893	5.50	1.10	6.9	3.0	620
Q006808		6.47	14.45	0.15	1.1	0.832	2.85	23.9	21.3	0.76	1800	8.47	0.13	6.3	12.0	530
Q006809		7.87	14.65	0.15	1.1	0.584	2.67	28.0	17.1	0.25	325	7.81	0.80	6.5	2.4	630
Q006810		9.71	13.05	0.14	2.0	3.03	1.78	27.8	39.8	0.16	102	15.35	0.06	7.5	1.6	770
Q006811		8.18	13.40	0.13	2.7	1.155	1.61	27.7	49.1	0.16	58	7.85	0.04	7.9	2.2	800
Q006812		10.30	10.90	0.15	1.2	0.614	2.14	23.7	18.8	0.19	447	16.80	0.05	5.0	3.5	690
Q006813		5.87	15.20	0.13	1.2	0.204	2.95	13.1	19.1	0.32	114	3.65	0.34	7.4	2.2	430
Q006814		4.57	14.85	0.14	1.3	0.242	2.96	13.4	16.1	0.27	172	3.55	0.85	7.6	1.9	410
Q006815		5.11	15.40	0.13	1.2	0.179	2.81	12.5	12.9	0.49	358	4.88	1.39	7.4	2.9	520
Q006816		5.00	16.15	0.14	1.2	0.278	2.70	17.6	15.3	0.50	649	4.94	1.28	7.9	3.7	560
Q006817		3.62	14.85	0.14	1.0	0.225	2.27	23.7	12.9	0.51	909	1.73	2.10	7.6	3.9	620
Q006818		3.59	14.95	0.14	1.0	0.225	2.27	24.3	12.5	0.50	911	1.58	2.09	7.6	3.7	620
Q006819		6.44	14.95	0.15	1.1	0.519	3.00	27.9	18.6	0.19	539	1.87	0.36	7.5	2.2	640
Q006820		14.05	12.90	0.16	1.0	0.945	2.02	17.0	56.4	0.13	148	6.63	0.04	6.5	2.4	930
Q006821		7.00	13.60	0.15	1.1	1.550	2.85	28.5	13.1	0.25	194	1.54	0.19	6.4	2.8	550
Q006822		0.51	0.20	0.09	<0.1	0.006	0.03	0.5	3.8	13.35	200	0.11	<0.01	0.2	1.5	180
Q006823		6.90	15.65	0.14	2.9	1.065	2.65	28.5	29.0	0.26	501	3.30	0.18	9.7	4.6	880
Q006824		4.00	16.85	0.18	3.3	0.505	2.71	35.1	48.0	0.26	1160	2.18	0.07	10.5	7.0	1150
Q006825		2.68	14.55	0.14	2.1	0.143	0.64	19.7	171.0	0.12	1230	3.14	0.06	10.5	4.2	770
Q006826		4.77	13.85	0.14	1.0	0.292	2.77	25.7	28.8	0.74	1800	12.55	0.14	5.7	13.0	490
Q006827		2.51	15.05	0.13	2.3	0.138	0.97	23.3	174.5	0.14	947	1.64	0.10	10.9	3.4	810
Q006828		3.31	15.35	0.13	2.4	0.298	0.46	33.5	90.7	0.16	1400	2.59	0.17	11.4	3.8	880
Q006829		2.76	15.45	0.15	1.4	0.084	2.29	19.4	72.9	0.26	824	0.85	0.82	8.2	2.8	670
Q006830		2.95	15.10	0.13	1.2	0.080	2.71	23.1	20.2	0.37	891	0.96	1.74	7.8	3.3	630

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142558

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006795		3770	180.5	0.002	0.57	56.2	8.4	1	11.2	34.4	0.59	0.33	6.3	0.204	2.27	3.5
Q006796		1720	167.5	0.003	0.72	50.6	8.3	<1	8.3	70.8	0.49	0.17	9.9	0.198	2.50	7.9
Q006797		1385	192.0	0.003	0.07	20.7	9.6	1	3.5	136.5	0.73	<0.05	12.6	0.300	3.60	10.4
Q006798		1285	148.0	0.003	0.36	39.6	8.1	<1	3.5	144.5	0.57	0.09	9.4	0.237	2.56	11.4
Q006799		858	126.0	0.003	0.41	42.9	9.3	1	4.1	77.2	0.53	0.26	11.4	0.231	2.04	15.9
Q006800		513	105.5	0.003	1.06	22.3	9.0	1	4.0	105.5	0.57	1.27	11.7	0.217	1.76	9.5
Q006801		5.7	1.5	0.002	<0.01	0.21	0.2	<1	<0.2	40.6	<0.05	<0.05	<0.2	<0.005	<0.02	1.0
Q006802		3130	114.5	0.003	1.95	65.1	5.3	5	16.0	123.0	0.50	1.01	6.7	0.213	1.95	5.7
Q006803		5370	106.0	0.002	1.75	90.1	4.9	4	18.2	71.4	0.67	0.98	5.2	0.266	1.59	4.9
Q006804		983	137.5	0.003	2.52	32.1	7.8	1	4.1	149.5	0.59	1.92	10.8	0.242	2.07	5.8
Q006805		1580	188.0	0.003	0.90	37.2	9.6	1	4.6	89.5	0.64	1.05	12.0	0.254	2.91	5.5
Q006806		36.2	121.5	0.003	0.01	3.06	11.4	1	1.5	338	0.73	0.06	16.7	0.249	1.24	4.1
Q006807		385	149.0	0.002	0.03	13.35	9.6	1	2.0	186.5	0.51	0.33	9.9	0.249	2.03	8.1
Q006808		1295	165.0	0.003	4.66	64.0	9.3	1	7.5	98.7	0.55	1.08	11.9	0.208	2.60	5.6
Q006809		219	135.5	0.003	0.73	12.00	9.1	<1	1.9	156.5	0.54	0.35	13.7	0.217	1.79	9.7
Q006810		1560	102.5	0.003	2.09	176.5	7.8	1	5.0	276	0.57	4.79	11.3	0.236	2.18	9.0
Q006811		2460	99.4	0.003	2.07	129.5	6.2	1	2.1	453	0.58	1.89	7.9	0.250	2.10	8.3
Q006812		779	120.0	0.002	0.71	93.8	6.8	1	2.6	50.9	0.47	1.16	8.5	0.164	2.41	21.9
Q006813		297	126.0	0.003	0.36	23.9	7.8	<1	1.4	89.9	0.67	0.18	11.1	0.244	1.64	9.2
Q006814		1195	136.0	0.003	0.17	21.6	7.8	<1	1.8	139.0	0.67	0.16	11.4	0.253	1.78	8.9
Q006815		695	123.5	0.003	0.11	17.20	9.1	<1	1.6	214	0.61	0.24	10.8	0.273	1.46	5.8
Q006816		790	126.0	0.002	0.18	18.40	10.4	1	1.9	186.0	0.67	0.19	13.0	0.283	1.50	6.6
Q006817		54.2	113.5	0.003	0.01	6.25	10.3	<1	5.3	204	0.64	0.06	14.2	0.274	1.49	3.6
Q006818		60.6	114.5	0.003	0.02	6.51	10.3	<1	5.4	204	0.64	<0.05	14.3	0.272	1.50	3.6
Q006819		236	167.5	0.003	0.10	15.75	9.5	1	8.6	58.4	0.69	0.52	13.8	0.249	2.53	9.6
Q006820		253	108.0	0.002	0.09	40.5	5.6	1	2.1	62.3	0.62	2.00	8.1	0.211	1.73	14.8
Q006821		1405	173.0	0.003	1.14	40.2	7.9	<1	4.7	155.0	0.58	0.52	12.7	0.224	2.67	5.3
Q006822		12.2	1.5	0.002	0.01	0.27	0.2	<1	<0.2	45.0	<0.05	<0.05	0.2	<0.005	0.02	0.6
Q006823		764	151.5	0.002	0.26	39.1	5.5	<1	2.3	269	0.69	0.34	11.0	0.290	3.09	14.2
Q006824		806	157.0	0.003	0.25	33.1	7.5	1	1.9	459	0.75	0.18	11.1	0.305	3.32	11.1
Q006825		337	21.5	0.003	0.12	19.20	4.8	1	1.2	187.0	0.70	<0.05	6.7	0.234	0.77	3.9
Q006826		449	151.0	0.006	2.57	27.6	8.5	1	5.1	103.5	0.49	0.26	10.9	0.195	2.28	4.9
Q006827		433	35.0	0.003	0.07	22.8	5.2	<1	1.3	149.0	0.77	0.07	8.0	0.255	0.98	3.9
Q006828		1030	19.0	0.002	0.13	31.8	6.1	1	1.9	419	0.76	0.12	10.1	0.266	0.43	7.8
Q006829		274	88.7	0.003	0.05	12.20	8.9	1	1.6	258	0.75	<0.05	11.0	0.262	1.34	3.0
Q006830		806	114.0	0.002	0.04	9.44	10.0	1	1.6	306	0.73	<0.05	14.0	0.263	1.41	2.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142558

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Ag- OG62
	Analyte	V	W	Y	Zn	Zr	Ag
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	1
Q006795		55	6.2	5.4	395	30.6	
Q006796		57	6.7	9.3	1020	30.8	
Q006797		70	5.0	18.4	2460	99.5	
Q006798		61	4.8	15.5	1210	66.8	
Q006799		65	3.6	16.3	1440	29.4	
Q006800		63	3.7	6.6	392	29.0	
Q006801		1	0.1	0.7	18	<0.5	
Q006802		43	6.7	4.6	288	34.2	
Q006803		41	9.8	4.5	193	28.0	109
Q006804		67	3.7	7.2	522	25.0	
Q006805		66	4.1	9.5	625	26.1	
Q006806		68	1.2	21.3	428	32.1	
Q006807		67	1.4	16.8	1140	29.0	
Q006808		62	5.8	12.4	2330	29.8	
Q006809		69	1.8	11.6	911	28.0	
Q006810		51	3.2	6.0	217	75.9	
Q006811		54	3.2	6.8	292	104.5	
Q006812		51	3.7	5.8	762	36.3	
Q006813		67	2.5	7.9	697	32.2	
Q006814		70	2.7	6.9	523	31.5	
Q006815		77	2.7	8.9	767	30.1	
Q006816		84	2.9	11.1	742	30.2	
Q006817		69	2.2	14.1	550	25.3	
Q006818		70	2.2	14.1	550	24.1	
Q006819		69	2.9	13.7	1320	25.3	
Q006820		61	1.9	8.0	1560	23.5	
Q006821		63	3.6	5.4	611	29.5	
Q006822		2	0.1	0.7	23	<0.5	
Q006823		61	3.3	11.9	860	110.5	
Q006824		62	4.0	16.5	1280	129.5	
Q006825		49	3.7	10.7	993	74.4	
Q006826		61	4.9	11.7	825	29.4	
Q006827		49	3.3	11.4	984	78.4	
Q006828		53	3.2	15.5	1840	82.8	
Q006829		67	1.3	13.9	558	36.6	
Q006830		71	1.9	15.1	377	29.9	

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142558

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- OG62	Au- AA24	ME- MS61	ME- OG62

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2013
Account: ROCKHA

CERTIFICATE WH13142559

Project: KLAZA

P.O. No.: Batch 48

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

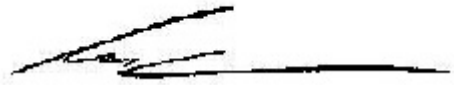
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 24- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142559

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
Q006728		6.06	0.255		2.77	7.79	547	1770	1.84	2.08	1.10	8.58	60.0	7.5	13	13.85
Q006729		7.47	0.133		5.18	7.54	1145	1200	1.67	3.09	0.21	26.7	56.7	9.1	10	15.90
Q006730		7.64	0.216		7.90	7.81	1380	2060	1.61	2.69	0.22	29.7	58.6	10.6	11	14.75
Q006731		8.20	0.113		6.48	7.66	778	2520	1.75	1.93	1.49	19.35	53.6	12.8	10	12.40
Q006732		5.61	7.15		52.7	7.37	3640	1350	1.46	34.4	0.29	11.65	51.2	2.6	12	16.55
Q006733		15.98	>10.0	47.0	>100	3.07	>10000	660	0.63	710	0.17	54.6	25.2	1.1	11	10.15
Q006734		1.80	0.007		0.89	0.04	41	20	<0.05	0.99	20.5	0.17	1.28	0.7	<1	0.17
Q006735		4.73	>10.0	33.4	>100	5.43	5580	3010	1.23	164.0	0.32	46.4	51.8	3.8	13	17.00
Q006736		6.35	0.065		1.47	7.54	493	1420	1.51	1.05	0.41	18.85	76.2	5.7	17	4.97
Q006737		0.23	1.650		37.2	5.62	2450	1340	1.10	35.1	1.70	42.9	36.7	16.5	21	10.00
Q006738		9.09	0.154		2.45	7.26	632	1210	1.61	2.07	0.40	21.4	72.6	5.2	16	4.53
Q006739		6.16	4.79		>100	5.19	3450	1810	1.18	64.9	0.25	24.3	46.3	2.5	13	10.25
Q006740		7.32	2.75		46.0	6.58	2100	1300	1.38	43.3	0.75	14.10	61.6	6.2	18	9.09
Q006741		4.36	2.69		88.9	5.76	3320	950	1.34	127.0	0.29	14.40	54.3	3.4	13	10.75
Q006742		1.64	>10.0	12.70	>100	2.88	>10000	980	0.44	83.7	0.07	23.9	18.10	0.7	8	4.64
Q006743		3.68	0.027		1.64	7.99	440	1690	1.66	0.79	0.23	5.15	66.6	8.1	10	17.85
Q006744		5.69	0.112		2.13	5.27	407	1520	1.48	1.63	2.38	5.74	30.2	7.5	7	33.3
Q006745		3.67	0.079		0.63	7.67	164.5	2170	1.61	0.67	0.91	1.57	47.6	8.5	8	12.45
Q006831		6.91	0.038		2.31	8.34	123.0	1960	2.07	0.82	1.06	9.02	60.3	11.3	27	23.9
Q006832		6.33	0.053		2.99	8.36	243	2000	1.82	1.28	0.49	9.53	51.5	9.6	10	26.5
Q006833		5.69	0.080		5.98	8.02	297	2150	1.74	2.67	1.00	14.00	61.1	8.2	15	10.15
Q006834		0.24	0.348		4.45	6.73	695	1080	1.38	3.42	1.98	10.80	47.8	13.2	23	13.70
Q006835		6.72	0.080		6.68	7.97	710	1510	1.68	1.40	0.36	16.70	51.7	9.7	10	19.55
Q006836		8.59	3.42		>100	4.31	8860	2400	1.38	127.0	0.25	32.8	35.7	6.5	12	10.80
Q006837		6.03	0.731		>100	6.71	3130	1320	1.94	61.2	0.32	28.2	65.5	12.3	14	27.6
Q006838		6.30	0.028		3.23	7.78	161.0	1590	1.86	1.15	1.51	39.4	56.9	8.4	15	12.95
Q006839		5.19	0.287		4.63	7.40	187.5	1650	1.81	1.73	1.08	24.8	57.6	12.1	15	8.44
Q006840		<0.02	0.041		4.20	7.69	179.5	1600	1.76	1.55	1.05	23.2	63.6	11.8	14	8.41
Q006841		4.86	0.662		76.7	7.48	1930	2450	2.47	9.14	0.34	24.9	60.2	12.8	16	21.8
Q006842		5.78	0.158		13.35	5.43	1410	840	0.90	7.48	0.35	3.45	53.6	2.4	15	22.6
Q006843		10.90	1.415		>100	2.77	1695	950	0.49	127.5	0.17	2.22	27.6	1.7	10	10.90
Q006844		4.51	0.047		6.01	5.64	1185	850	0.59	3.80	0.25	1.06	38.0	0.9	8	10.90
Q006845		6.57	0.810		16.15	6.35	453	830	0.97	16.65	0.17	3.88	47.1	3.3	8	13.45
Q006846		2.84	0.005		0.19	0.08	5	30	0.05	0.14	20.5	0.09	1.46	1.5	<1	0.21
Q006847		7.95	0.693		12.65	6.68	392	2130	1.31	30.3	0.22	8.42	40.6	13.3	10	18.85
Q006848		5.22	0.021		0.85	8.19	108.0	2490	1.65	1.00	0.66	4.34	60.3	17.4	14	13.35

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142559

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Q006728		119.0	3.22	17.10	0.16	1.4	0.084	3.29	30.3	19.6	0.44	1780	1.10	1.01	8.3	4.6
Q006729		254	5.25	18.20	0.18	1.3	0.400	3.58	33.2	13.2	0.24	6310	3.13	0.06	7.5	4.7
Q006730		466	5.02	18.35	0.16	1.4	0.204	3.60	31.2	25.4	0.17	8240	3.18	0.12	7.9	5.0
Q006731		313	3.44	18.05	0.17	1.4	0.110	3.08	25.9	8.7	0.54	7380	2.78	1.73	8.4	6.6
Q006732		515	4.31	16.70	0.16	1.2	2.48	3.15	31.2	23.8	0.25	487	3.53	0.34	7.6	2.5
Q006733		878	8.43	9.71	0.14	0.8	9.41	1.38	18.3	16.6	0.11	343	11.95	0.07	3.1	1.3
Q006734		4.3	0.49	0.16	0.12	<0.1	0.022	0.02	0.6	0.9	13.00	215	0.14	<0.01	0.1	1.6
Q006735		630	5.98	14.25	0.16	1.7	1.580	1.76	33.2	30.8	0.17	2030	5.60	0.12	6.7	3.1
Q006736		263	3.16	17.95	0.17	2.6	0.049	0.31	41.6	94.0	0.07	3030	2.56	0.10	11.7	5.0
Q006737		1185	8.77	13.60	0.15	0.9	1.520	2.61	19.6	14.9	0.68	2270	16.00	0.06	4.6	14.2
Q006738		273	3.04	18.05	0.14	2.7	0.095	0.23	38.6	99.7	0.06	2030	3.31	0.04	11.6	4.1
Q006739		807	5.54	12.80	0.13	1.4	0.994	1.43	31.4	42.4	0.15	1020	18.05	0.15	6.5	3.1
Q006740		542	4.16	15.40	0.16	1.6	0.877	1.73	36.3	54.4	0.34	1600	7.22	0.70	8.8	5.6
Q006741		645	4.52	13.40	0.14	1.2	1.725	2.13	33.9	34.0	0.20	1020	12.80	0.20	7.2	3.1
Q006742		1275	7.74	11.55	0.11	0.4	8.70	1.39	10.4	14.0	0.08	389	26.5	0.03	2.3	1.4
Q006743		24.6	4.30	18.55	0.19	1.2	0.118	3.62	39.6	24.9	0.22	2770	2.68	0.07	8.5	3.9
Q006744		15.2	3.53	13.85	0.13	1.1	0.081	2.51	18.3	25.3	0.23	2740	1.39	0.04	6.4	3.4
Q006745		15.7	2.97	17.60	0.21	1.3	0.047	2.52	22.3	25.8	0.69	611	0.73	1.44	8.7	2.8
Q006831		43.5	3.53	20.2	0.26	1.4	0.134	3.07	31.5	57.4	0.43	2150	1.07	0.94	10.9	9.6
Q006832		45.1	3.41	18.55	0.21	1.1	0.115	3.09	26.6	45.3	0.20	2670	1.28	0.62	8.7	4.2
Q006833		87.4	3.54	19.10	0.26	1.4	0.378	2.53	29.0	28.0	0.49	1390	1.04	1.61	10.1	4.6
Q006834		303	4.89	17.00	0.16	1.1	0.314	2.81	27.1	27.1	0.76	1880	16.20	0.16	7.0	14.7
Q006835		581	4.73	19.60	0.25	1.2	1.565	3.19	27.3	29.6	0.25	784	1.18	0.37	8.8	2.2
Q006836		878	6.17	13.30	0.19	0.9	12.75	1.55	21.4	37.8	0.16	680	9.63	0.09	4.2	1.1
Q006837		1130	6.03	19.50	0.21	2.2	4.45	1.63	35.9	53.5	0.18	561	6.41	0.16	10.1	3.7
Q006838		117.5	3.02	21.0	0.22	3.0	0.172	1.71	27.0	98.2	0.15	1130	1.89	0.11	13.3	4.0
Q006839		78.9	2.97	19.85	0.21	2.7	0.182	1.01	27.9	144.5	0.15	1560	2.06	0.18	12.4	4.6
Q006840		73.1	2.99	18.65	0.20	2.7	0.167	1.02	31.6	145.0	0.15	1540	1.97	0.17	12.3	4.2
Q006841		235	4.58	19.60	0.22	3.0	1.965	2.31	32.5	52.8	0.21	1220	5.11	0.08	10.2	5.1
Q006842		171.0	8.82	20.0	0.26	3.2	3.95	2.11	27.5	33.9	0.20	79	2.13	0.05	9.6	2.8
Q006843		74.5	7.58	8.62	0.22	1.0	3.93	1.81	14.7	25.7	0.10	116	3.22	0.09	5.3	0.8
Q006844		114.0	8.14	15.90	0.19	0.8	0.924	2.84	19.5	14.4	0.18	137	1.73	0.06	6.5	<0.2
Q006845		82.1	5.23	16.40	0.21	1.0	0.291	2.92	26.3	9.6	0.23	154	2.48	0.05	7.4	0.5
Q006846		2.5	0.50	0.42	0.32	<0.1	0.012	0.04	0.7	1.2	12.40	219	0.10	<0.01	0.4	1.6
Q006847		109.0	5.43	15.35	0.22	0.9	0.267	2.64	24.9	38.7	0.21	353	2.79	0.12	7.5	2.0
Q006848		62.6	3.59	19.05	0.25	1.2	0.150	3.08	30.8	24.2	0.33	1280	2.88	1.02	9.0	4.9

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142559

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
Q006728		660	246	187.0	<0.002	0.02	18.15	12.2	1	1.6	192.0	0.69	<0.05	16.5	0.288	2.01
Q006729		560	443	223	<0.002	0.09	32.5	12.5	1	3.1	53.4	0.60	<0.05	15.8	0.260	2.88
Q006730		630	1305	199.0	<0.002	0.12	39.6	12.5	1	2.3	79.9	0.67	<0.05	16.9	0.271	2.62
Q006731		660	593	147.0	<0.002	0.02	15.15	12.3	1	1.9	302	0.73	<0.05	15.4	0.272	1.77
Q006732		490	9400	186.0	<0.002	0.54	150.0	11.7	1	8.9	120.0	0.64	0.18	14.0	0.267	2.52
Q006733		370	>10000	88.5	<0.002	1.34	2550	5.5	2	16.6	221	0.24	2.70	7.1	0.111	1.62
Q006734		190	106.5	1.4	<0.002	<0.01	4.42	0.2	<1	<0.2	46.7	<0.05	<0.05	<0.2	<0.005	<0.02
Q006735		530	>10000	117.0	<0.002	0.77	525	7.1	1	11.7	235	0.51	0.43	9.4	0.211	1.87
Q006736		890	77.4	17.9	<0.002	0.04	18.25	6.7	<1	1.4	309	0.82	<0.05	12.9	0.276	0.46
Q006737		430	1645	157.5	0.002	7.71	101.5	8.2	1	10.3	60.5	0.40	0.69	10.1	0.164	2.21
Q006738		880	197.0	13.2	<0.002	0.05	31.5	6.5	1	1.4	390	0.81	<0.05	12.4	0.263	0.44
Q006739		480	8510	96.6	<0.002	0.42	300	7.2	1	4.9	209	0.51	0.34	10.0	0.195	1.48
Q006740		630	6570	95.6	<0.002	0.31	181.0	9.3	1	4.6	260	0.68	0.12	12.6	0.277	1.29
Q006741		530	>10000	135.0	<0.002	0.37	265	9.3	1	3.9	153.5	0.58	0.50	12.9	0.242	2.00
Q006742		590	>10000	88.5	<0.002	1.59	1680	6.3	1	24.3	138.5	0.19	0.58	7.0	0.083	1.62
Q006743		630	213	207	<0.002	0.01	25.3	13.3	1	2.4	51.7	0.73	<0.05	17.5	0.285	2.48
Q006744		460	238	130.5	<0.002	0.02	33.8	7.9	<1	1.6	38.8	0.56	<0.05	8.5	0.219	1.81
Q006745		620	53.8	110.5	<0.002	<0.01	7.69	13.7	1	1.7	225	0.65	<0.05	13.2	0.271	1.15
Q006831		900	186.5	143.0	<0.002	0.05	14.95	15.2	1	2.3	190.0	0.73	<0.05	14.8	0.333	2.21
Q006832		710	118.5	149.0	<0.002	0.06	13.30	12.9	1	2.3	97.8	0.59	0.06	13.1	0.276	2.36
Q006833		690	460	131.0	<0.002	0.09	12.70	12.6	1	2.9	257	0.69	0.12	14.2	0.289	1.64
Q006834		520	484	172.5	0.004	2.72	28.2	9.9	2	5.6	114.0	0.51	0.30	11.7	0.200	2.55
Q006835		640	397	177.0	<0.002	0.05	18.20	13.7	2	3.1	109.5	0.61	0.22	15.8	0.252	2.78
Q006836		440	>10000	90.8	<0.002	0.85	390	5.7	2	32.7	109.5	0.29	4.47	7.9	0.127	1.73
Q006837		790	>10000	92.4	<0.002	0.34	196.5	8.7	2	20.0	459	0.63	0.81	11.8	0.236	1.86
Q006838		930	372	69.5	<0.002	0.04	11.85	7.5	1	1.7	166.0	0.84	0.06	9.8	0.282	1.65
Q006839		890	514	43.5	<0.002	0.06	15.25	7.3	1	1.7	168.0	0.80	0.06	10.3	0.263	1.14
Q006840		910	504	46.4	<0.002	0.06	14.35	7.2	1	1.6	168.5	0.77	0.05	10.8	0.267	1.06
Q006841		1020	5780	148.5	<0.002	0.31	82.9	9.2	2	6.0	208	0.65	0.62	11.5	0.270	3.44
Q006842		870	2050	143.5	<0.002	2.49	32.3	6.9	1	3.1	247	0.60	0.70	10.4	0.242	3.28
Q006843		250	>10000	113.5	<0.002	2.78	179.0	4.3	2	16.3	105.0	0.31	2.81	4.4	0.159	2.12
Q006844		610	833	161.0	<0.002	2.42	14.05	10.1	1	3.2	59.8	0.47	1.76	14.0	0.229	2.61
Q006845		360	823	183.0	<0.002	0.79	14.30	9.8	2	6.5	33.6	0.57	14.05	9.7	0.219	2.71
Q006846		180	16.4	2.0	<0.002	0.02	0.27	0.3	1	<0.2	48.1	<0.05	0.05	<0.2	<0.005	0.02
Q006847		510	522	149.0	<0.002	0.37	23.3	10.2	3	4.0	65.7	0.49	19.30	11.1	0.220	2.17
Q006848		680	65.1	149.5	<0.002	0.05	7.98	13.6	1	3.0	157.0	0.66	0.26	15.3	0.273	2.17

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001
Q006728		2.9	80	1.8	14.7	1260	35.6		
Q006729		6.6	83	4.1	15.9	3200	34.0		
Q006730		7.8	77	6.5	17.9	3490	35.2		
Q006731		3.9	77	1.5	19.3	3280	35.3		
Q006732		7.7	77	6.1	11.4	1240	29.8		
Q006733		16.6	39	3.8	7.3	1060	24.8	578	7.20
Q006734		0.5	2	0.1	0.8	21	<0.5		
Q006735		10.2	56	5.6	13.7	1990	58.0	184	0.986
Q006736		7.2	53	5.3	15.3	2280	83.4		
Q006737		5.6	56	7.3	9.7	3350	23.8		
Q006738		8.6	50	4.2	14.5	2230	83.8		
Q006739		9.6	56	5.0	11.9	1920	42.0	117	
Q006740		7.5	70	4.1	18.0	1030	49.3		
Q006741		10.1	64	5.6	13.1	1220	37.1		1.175
Q006742		12.0	46	3.3	3.7	1410	11.4	808	13.25
Q006743		4.2	83	8.0	19.1	763	31.8		
Q006744		2.3	63	3.1	12.5	817	28.4		
Q006745		1.7	77	2.0	13.4	824	32.0		
Q006831		4.2	91	3.5	19.7	819	30.7		
Q006832		3.6	80	3.7	17.7	880	27.1		
Q006833		4.0	76	2.7	15.2	1140	36.3		
Q006834		5.4	65	5.6	12.3	866	31.2		
Q006835		9.5	73	4.0	13.5	2500	29.7		
Q006836		8.8	40	3.5	7.8	2010	29.8	398	4.04
Q006837		14.4	60	5.3	16.6	3040	73.7	150	1.375
Q006838		5.2	58	2.8	13.3	2530	94.9		
Q006839		5.8	54	4.5	13.4	2090	87.5		
Q006840		6.0	54	4.4	14.3	2110	88.9		
Q006841		12.5	63	3.6	16.9	2430	112.0		
Q006842		5.6	58	1.9	8.3	717	122.0		
Q006843		2.5	30	2.0	4.0	202	31.2	166	1.110
Q006844		2.4	84	2.8	4.1	403	19.1		
Q006845		3.2	67	4.8	5.6	625	23.1		
Q006846		0.7	2	0.1	0.8	20	<0.5		
Q006847		5.7	66	4.4	15.2	1240	23.6		
Q006848		4.3	80	2.8	17.6	583	28.3		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142559

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- OG62	Au- AA24	Au- GRA22	ME- MS61
	ME- OG62	Pb- OG62		

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2013
Account: ROCKHA

CERTIFICATE WH13142580

Project: KLAZA

P.O. No.: Batch 50

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

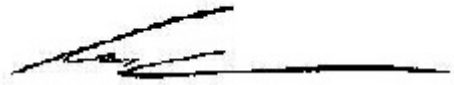
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH13142580

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
Q006573		4.40	0.074		3.09	7.14	854	830	1.62	0.45	1.49	9.81	34.5	18.4	25	21.4
Q006574		4.12	0.216		3.08	6.08	631	1270	1.40	0.24	1.47	5.70	24.7	18.0	22	19.90
Q006575		4.59	0.073		1.11	9.54	97.0	1260	1.55	0.09	1.06	2.41	33.1	22.1	38	11.70
Q006576		5.25	2.91		14.60	6.62	9390	5420	1.46	0.25	0.44	25.3	43.8	14.1	5	20.3
Q006577		4.57	1.985		16.60	6.47	5750	5240	1.73	0.26	0.35	59.2	51.0	6.4	6	30.6
Q006578		5.96	>10.0	25.7	>100	2.01	>10000	370	0.80	0.40	0.49	520	7.09	2.6	6	9.89
Q006579		1.64	0.041		0.76	0.09	95	100	0.05	0.03	20.7	1.48	1.27	1.2	<1	0.31
Q006580		3.98	1.905		58.4	7.45	3710	2600	1.57	0.25	0.46	55.0	59.8	5.9	8	17.45
Q006581		4.36	0.131		6.55	7.96	463	2520	1.61	0.28	0.68	14.40	51.3	6.4	8	11.20
Q006582		2.83	0.034		0.71	7.49	110.0	2610	1.66	0.23	1.21	2.74	52.4	9.8	13	7.66
Q006583		5.55	1.445		29.2	7.19	4010	1970	1.34	0.25	0.45	24.2	54.7	4.9	9	15.75
Q006584		5.79	0.488		18.30	6.60	2170	990	0.93	0.64	0.18	2.73	55.1	0.6	11	20.4
Q006585		5.12	0.242		4.18	7.20	1440	1620	1.93	0.53	0.18	51.9	54.9	7.7	8	37.2
Q006586		1.40	<0.005		0.11	0.08	<5	30	0.06	0.02	20.2	0.15	1.22	1.3	<1	0.27
Q006587		3.98	0.037		1.43	8.43	480	2180	1.69	0.24	0.63	23.7	48.0	10.4	8	16.90
Q006588		4.11	0.032		2.40	8.46	321	2940	1.83	0.16	0.68	11.50	53.4	7.9	8	25.4
Q006589		4.02	0.020		1.21	8.06	215	2500	1.55	0.24	0.59	5.25	50.9	9.0	9	20.3
Q006590		3.63	0.007		0.24	7.69	21.2	2090	1.71	0.49	0.63	1.16	58.7	6.0	11	11.10
Q006591		0.20	1.630		36.2	5.53	2430	1460	1.10	29.3	1.61	40.8	34.0	15.1	22	9.03
Q006592		4.10	0.007		0.31	7.78	26.2	2190	1.66	0.40	0.46	1.40	48.3	4.8	11	12.75
Q006593		4.05	0.008		0.38	7.05	34.4	2060	1.66	0.43	0.93	2.22	45.3	7.9	13	10.90
Q006594		3.39	0.220		14.10	7.80	559	2540	1.64	0.32	1.04	29.0	51.0	22.0	9	11.40
Q006595		3.90	8.98		>100	4.19	>10000	1560	0.81	3.62	0.22	45.5	34.4	2.1	7	7.21
Q006596		3.78	7.76		21.0	5.48	829	1270	0.65	9.60	0.16	1.33	44.2	1.2	8	8.30
Q006597		5.65	0.227		12.10	7.46	612	1760	1.70	0.75	0.46	38.2	48.2	18.8	9	12.95
Q006598		4.28	0.130		4.78	7.81	373	2060	1.64	0.53	0.56	16.95	47.5	11.5	9	18.60
Q006599		<0.02	0.117		4.37	7.93	364	2070	1.42	0.39	0.58	15.45	46.5	10.2	9	17.35
Q006600		4.82	0.042		0.93	7.80	85.5	2390	1.63	0.39	0.74	1.65	55.6	7.1	10	14.85
K862891		4.72	3.02		8.26	6.66	320	2010	1.55	0.40	0.35	50.0	46.3	7.2	7	17.60
K862892		7.91	7.07		>100	5.69	455	1320	1.30	0.48	0.17	11.45	37.5	4.9	8	14.65
K862893		3.23	0.158		2.86	7.25	79.7	1770	1.69	0.41	0.84	13.80	34.5	6.3	9	14.45
Q006851		0.21	1.740		38.5	5.49	2400	1390	1.20	32.1	1.59	43.3	37.2	16.2	21	9.69
Q006852		4.09	0.444		13.10	6.39	866	1840	1.64	0.47	1.32	23.5	41.2	5.3	8	11.60
Q006853		5.15	>10.0	24.7	>100	3.31	>10000	940	0.81	0.18	0.33	431	27.3	2.9	7	7.17
Q006854		5.03	8.98		>100	5.70	>10000	1120	0.90	0.20	0.18	26.5	44.2	0.8	7	15.35
Q006855		5.05	0.447		79.0	6.97	1695	1400	1.41	0.17	0.29	14.50	40.2	6.0	7	12.00

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Finalized Date: 28- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142580

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Q006573		104.0	3.98	21.0	0.22	0.6	0.134	2.59	15.6	51.5	0.32	4930	2.76	0.06	5.7	11.0
Q006574		93.2	4.62	17.20	0.18	0.5	0.140	1.64	11.0	121.0	0.26	3730	3.17	0.06	4.6	10.9
Q006575		93.9	5.60	25.9	0.22	0.8	0.109	0.59	13.8	47.5	0.20	1780	3.46	0.04	7.6	13.3
Q006576		19.8	4.59	14.95	0.16	1.1	0.080	2.59	23.4	46.8	0.18	11050	3.31	0.07	6.2	1.9
Q006577		45.0	5.01	19.45	0.21	1.3	0.562	2.24	27.4	52.8	0.18	13550	4.02	0.03	7.2	2.0
Q006578		346	10.05	10.55	0.24	0.4	1.210	0.80	1.4	45.9	0.13	46500	49.6	0.02	2.1	0.3
Q006579		3.8	0.52	0.37	0.21	<0.1	0.009	0.03	0.6	1.3	12.50	475	0.42	<0.01	0.3	0.6
Q006580		81.0	3.42	17.90	0.20	1.4	0.280	2.99	31.2	62.0	0.37	4130	5.29	0.38	8.4	1.6
Q006581		13.7	2.93	17.35	0.22	1.4	0.068	3.09	26.9	22.2	0.58	973	1.79	1.14	8.8	2.0
Q006582		14.8	2.86	17.70	0.25	1.4	0.063	2.77	24.4	20.8	0.56	1010	2.00	1.84	8.9	3.9
Q006583		44.4	5.12	17.95	0.23	1.3	0.106	3.18	29.7	30.3	0.23	1520	3.76	0.57	7.8	2.0
Q006584		7.5	4.58	16.45	0.22	1.9	0.180	2.61	29.6	39.6	0.18	154	3.34	0.04	8.2	0.2
Q006585		19.8	4.20	16.00	0.20	1.5	0.206	1.99	28.1	68.6	0.15	2500	8.36	0.05	7.9	1.9
Q006586		1.6	0.48	0.40	0.30	<0.1	0.005	0.03	0.6	1.2	12.05	213	0.09	<0.01	0.4	1.6
Q006587		15.0	3.36	20.3	0.24	1.5	0.070	2.59	22.1	111.5	0.19	2160	3.42	0.09	10.1	2.7
Q006588		15.0	3.38	19.75	0.24	1.4	0.057	3.16	26.6	87.4	0.17	1160	2.31	0.30	9.3	2.2
Q006589		13.8	3.33	19.45	0.24	1.4	0.049	2.89	23.6	26.9	0.24	1120	2.21	0.90	9.3	3.1
Q006590		10.3	3.11	17.70	0.14	1.5	0.078	2.93	30.2	17.8	0.38	900	2.17	1.65	8.2	4.6
Q006591		1110	8.54	13.35	0.11	0.8	1.395	2.48	14.7	14.9	0.65	2250	16.85	0.06	4.5	14.3
Q006592		15.0	2.96	16.80	0.10	1.5	0.067	2.80	21.9	22.1	0.23	733	2.10	1.32	8.0	3.5
Q006593		16.3	3.24	16.90	0.11	1.5	0.067	2.62	18.0	18.6	0.66	1130	1.66	1.66	8.0	5.1
Q006594		116.0	3.36	17.35	0.13	1.4	0.074	3.04	27.6	25.2	0.48	3630	3.48	1.41	7.6	3.8
Q006595		571	5.38	11.90	0.09	0.8	0.188	1.89	16.2	28.7	0.17	805	33.7	0.10	4.5	1.1
Q006596		10.0	4.36	13.85	0.09	1.2	0.199	2.71	20.7	23.0	0.20	237	16.95	0.07	6.5	1.0
Q006597		64.6	3.18	16.85	0.11	1.3	0.085	3.09	21.5	44.2	0.19	5050	4.47	0.30	8.0	4.6
Q006598		33.1	3.02	18.70	0.11	1.5	0.075	3.44	19.2	43.6	0.20	2020	3.27	0.53	8.6	3.5
Q006599		30.0	2.98	16.75	0.13	1.3	0.076	3.46	19.3	38.4	0.20	1990	2.84	0.55	7.8	3.5
Q006600		16.2	2.82	17.40	0.13	1.7	0.052	3.34	28.4	25.6	0.28	1420	2.07	0.95	8.6	3.8
K862891		189.5	3.01	15.90	0.11	1.3	0.243	2.51	26.7	38.5	0.15	3310	2.62	0.11	6.6	2.8
K862892		601	2.69	12.50	0.11	1.0	0.197	2.41	21.8	25.8	0.15	2050	2.26	0.04	5.3	2.1
K862893		79.7	3.02	17.75	0.10	1.3	0.046	3.42	14.8	28.6	0.20	1760	2.04	0.09	7.8	2.9
Q006851		1100	8.44	14.25	0.12	0.8	1.510	2.49	16.4	15.9	0.64	2250	18.95	0.06	4.7	15.0
Q006852		20.8	3.48	15.05	0.12	1.1	0.166	3.12	18.8	20.8	0.32	7900	3.32	0.04	6.3	3.0
Q006853		799	5.82	14.80	0.09	0.7	0.258	1.44	13.2	24.9	0.15	4200	11.15	0.02	3.6	1.3
Q006854		37.3	3.68	13.55	0.08	1.3	0.133	2.65	21.8	24.0	0.15	595	20.6	0.02	6.1	0.8
Q006855		158.0	2.84	14.90	0.10	1.7	0.044	3.61	18.4	46.7	0.13	2510	4.65	0.06	7.4	2.2

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
Q006573		1020	338	136.5	<0.002	0.04	50.8	20.4	2	1.8	92.1	0.33	0.06	4.4	0.385	3.07
Q006574		860	236	74.6	<0.002	0.12	44.5	17.2	1	1.8	78.6	0.27	0.05	3.2	0.325	1.72
Q006575		1440	80.4	22.7	<0.002	0.03	37.0	26.9	2	1.6	61.2	0.45	<0.05	4.7	0.551	0.55
Q006576		500	1945	120.0	<0.002	0.47	51.0	8.2	1	5.5	185.0	0.46	0.15	12.0	0.196	1.95
Q006577		470	1570	128.0	<0.002	0.23	60.1	11.0	1	11.2	122.5	0.54	<0.05	13.8	0.194	2.39
Q006578		140	>10000	50.1	<0.002	3.75	624	3.1	2	19.2	250	0.14	0.05	2.4	0.057	1.13
Q006579		180	89.6	1.5	<0.002	0.02	1.28	0.3	1	<0.2	44.1	<0.05	<0.05	<0.2	<0.005	0.02
Q006580		500	6830	139.5	<0.002	0.25	96.0	10.2	1	6.5	130.0	0.60	0.05	15.5	0.231	2.16
Q006581		610	752	133.5	<0.002	0.05	17.75	11.3	1	2.8	155.5	0.63	0.06	16.0	0.251	1.70
Q006582		590	59.4	127.5	<0.002	0.04	10.75	11.9	1	1.7	294	0.67	<0.05	14.0	0.260	1.48
Q006583		540	3010	154.0	<0.002	0.88	77.2	10.9	1	8.8	139.5	0.59	<0.05	13.8	0.247	2.43
Q006584		420	1800	149.0	<0.002	1.14	52.8	9.3	1	7.5	257	0.59	0.07	11.3	0.265	2.80
Q006585		700	371	123.5	<0.002	0.31	44.3	11.6	1	3.8	333	0.57	0.10	14.9	0.243	2.67
Q006586		170	9.5	1.6	<0.002	0.01	0.29	0.2	1	<0.2	45.1	<0.05	<0.05	<0.2	<0.005	0.02
Q006587		740	82.5	128.0	<0.002	0.09	21.6	13.3	1	2.0	128.0	0.69	<0.05	13.7	0.288	2.26
Q006588		700	272	152.0	<0.002	0.14	16.45	13.1	1	2.1	123.0	0.65	<0.05	14.9	0.295	2.22
Q006589		660	145.0	136.5	<0.002	0.03	19.25	13.0	1	1.8	136.5	0.66	<0.05	15.2	0.280	1.78
Q006590		580	23.9	139.0	0.002	0.01	7.98	11.1	1	2.0	180.5	0.70	<0.05	15.8	0.248	1.43
Q006591		430	1610	146.0	0.005	7.64	102.5	7.5	1	9.6	60.4	0.36	0.66	8.2	0.166	1.95
Q006592		590	27.1	121.5	0.003	0.01	16.85	10.6	1	1.9	141.5	0.70	<0.05	14.7	0.253	1.30
Q006593		580	27.0	104.0	0.002	0.02	7.52	10.6	1	1.9	206	0.67	<0.05	12.1	0.254	1.25
Q006594		550	501	143.5	<0.002	0.05	47.1	10.9	1	2.6	244	0.64	<0.05	14.7	0.240	1.67
Q006595		260	>10000	111.5	<0.002	1.46	880	7.1	1	22.5	95.5	0.40	0.14	7.6	0.151	1.96
Q006596		360	1340	172.5	0.002	1.26	54.0	8.8	1	4.9	94.2	0.52	0.24	8.8	0.216	2.66
Q006597		580	489	164.5	0.003	0.11	46.1	10.7	1	2.6	108.0	0.67	<0.05	13.1	0.250	2.51
Q006598		610	168.5	178.5	0.002	0.06	29.1	11.4	1	2.3	121.0	0.72	<0.05	14.2	0.254	2.51
Q006599		610	158.0	169.0	0.002	0.05	25.8	10.4	1	2.0	121.5	0.65	<0.05	13.2	0.257	2.33
Q006600		620	36.7	166.5	<0.002	0.03	18.50	10.9	1	1.7	152.0	0.76	<0.05	16.7	0.257	2.09
K862891		490	3020	146.5	0.004	0.22	119.0	9.9	1	1.6	65.6	0.58	<0.05	13.0	0.203	2.05
K862892		420	>10000	141.5	0.002	0.94	297	8.1	1	1.6	56.8	0.44	<0.05	9.8	0.182	2.22
K862893		590	1365	182.0	0.002	0.07	50.4	11.0	1	1.7	57.5	0.63	<0.05	11.1	0.251	2.28
Q006851		420	1605	154.5	0.005	7.58	107.0	8.2	2	10.3	64.9	0.39	0.66	9.2	0.165	2.14
Q006852		510	586	194.0	<0.002	0.54	86.9	9.0	1	2.7	52.6	0.54	<0.05	11.8	0.217	2.69
Q006853		210	>10000	87.3	0.002	2.75	4730	4.2	1	93.0	69.0	0.33	<0.05	8.5	0.099	1.58
Q006854		380	2220	151.5	0.002	0.52	468	6.7	<1	9.6	107.0	0.56	<0.05	13.5	0.175	2.76
Q006855		450	275	175.0	<0.002	0.08	198.5	7.5	1	3.2	84.6	0.74	<0.05	16.6	0.192	2.38

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142580

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62	Ag-GRA21
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb	Zn	Ag
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	5
Q006573		1.4	152	3.3	18.8	1000	12.6				
Q006574		1.2	135	4.0	14.1	459	10.1				
Q006575		1.4	200	30.3	18.7	302	17.0				
Q006576		8.2	54	4.1	14.0	1920	29.5				
Q006577		7.4	56	9.3	18.2	2950	35.0				
Q006578		7.6	19	4.0	9.1	>10000	10.6	449	5.29	2.36	
Q006579		0.8	3	0.1	0.8	118	<0.5				
Q006580		6.1	62	5.1	12.8	2550	35.8				
Q006581		2.8	67	1.7	14.9	1180	36.9				
Q006582		2.9	70	4.0	14.1	277	35.4				
Q006583		5.2	67	7.9	12.5	1420	34.0				
Q006584		3.5	62	20.6	6.4	508	57.6				
Q006585		7.7	68	20.8	12.9	2090	40.7				
Q006586		0.5	2	0.1	0.8	18	0.5				
Q006587		3.6	78	5.6	16.4	1230	39.1				
Q006588		3.2	80	3.3	16.9	859	38.9				
Q006589		3.3	78	3.7	16.2	533	37.6				
Q006590		3.1	67	2.5	20.3	189	40.1				
Q006591		4.9	53	6.3	7.7	3220	19.6				
Q006592		3.1	67	3.3	18.5	292	39.4				
Q006593		2.6	71	2.7	15.1	486	39.5				
Q006594		5.2	65	2.4	23.5	1790	36.5				
Q006595		6.7	44	11.8	5.5	2240	19.9	652	3.23		
Q006596		1.8	62	39.3	3.5	155	33.0				
Q006597		6.6	67	5.0	17.7	2090	34.6				
Q006598		4.4	69	3.6	15.5	1030	39.1				
Q006599		3.8	69	3.2	14.7	1020	34.9				
Q006600		3.4	69	2.5	19.7	278	47.7				
K862891		4.8	58	3.0	20.0	3470	32.0				
K862892		7.3	52	2.4	12.3	1330	23.6	111	8.49		
K862893		4.8	76	2.5	12.9	1200	34.5				
Q006851		5.5	53	6.9	8.7	3190	21.3				
Q006852		3.4	60	2.7	13.3	5450	26.7				
Q006853		5.1	26	2.4	5.3	>10000	19.1	>1500	1.515	1.265	2000
Q006854		4.8	46	5.1	5.2	1290	37.4	123			
Q006855		3.9	51	3.7	11.5	1490	48.3				

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142580

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- GRA21	Ag- OG62	Au- AA24	Au- GRA22
	ME- MS61	ME- OG62	Pb- OG62	Zn- OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13142581

Project: KLAZA

P.O. No.: Batch 52

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6- AUG- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES

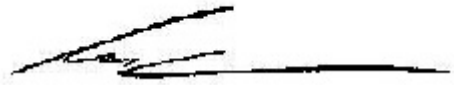
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142581

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K862894		7.85	0.043	0.84	8.05	37.9	1900	1.45	1.51	0.59	0.98	61.5	6.1	18	18.60	467
Q006860		4.91	0.111	1.74	8.43	75.5	3680	1.71	2.83	0.26	0.78	69.6	7.2	19	26.1	497
Q006861		4.57	0.169	3.02	7.92	244	1190	1.53	3.43	0.28	0.60	72.9	3.6	17	25.8	543
Q006862		4.10	0.171	4.25	6.86	570	1110	1.55	3.19	0.30	0.84	79.8	5.8	17	29.7	500
Q006863		5.42	0.291	7.97	8.71	298	1200	1.59	11.40	0.09	0.24	68.9	1.3	17	12.95	66.2
Q006864		5.29	0.147	3.18	8.54	378	820	1.32	2.15	0.21	0.39	67.3	2.4	19	21.7	326
Q006865		3.94	0.062	1.69	8.59	155.5	3730	1.92	1.82	0.38	0.83	64.7	6.1	19	15.55	451
Q006866		7.74	0.270	2.48	8.34	182.5	1650	1.83	3.93	0.21	0.84	72.1	5.4	19	28.5	424
Q006867		4.35	0.148	4.48	8.12	448	850	1.30	3.58	0.29	0.62	108.0	1.1	18	31.9	189.5
Q006868		5.86	0.090	1.61	8.73	95.8	2330	1.83	2.20	0.39	0.94	50.4	5.3	22	13.80	319
Q006869		6.93	0.075	2.01	8.57	54.9	2030	1.71	2.08	0.52	0.89	47.4	5.6	19	16.30	314
Q006870		0.22	0.333	4.53	6.68	626	900	1.43	4.22	2.13	11.15	50.2	12.4	24	14.25	317
Q006871		5.29	0.127	1.29	8.54	34.1	3970	1.40	1.37	0.41	0.73	46.0	5.2	17	11.05	288
Q006872		3.93	0.258	3.36	8.41	90.9	2360	1.28	9.13	0.41	0.67	61.1	4.8	19	16.80	325
Q006873		4.55	0.079	1.37	8.38	47.1	2110	1.55	1.83	0.41	0.66	39.1	4.7	20	11.85	300
Q006874		5.38	0.118	2.50	8.51	191.5	3640	1.64	2.87	0.38	0.59	52.4	4.7	24	13.95	265
Q006875		3.74	0.059	1.19	8.33	62.0	870	1.78	1.88	0.32	0.64	57.4	5.5	17	13.40	321
Q006876		4.72	0.091	1.41	8.98	81.4	1050	1.74	2.21	0.20	0.62	55.1	5.7	39	20.5	233
Q006877		4.39	0.051	1.35	9.43	70.7	5120	1.58	1.44	0.34	0.56	57.0	9.1	22	17.10	178.5
Q006907		4.99	0.058	1.18	9.57	45.4	2370	1.48	0.90	0.41	0.66	54.0	10.5	20	18.65	234
Q006908		4.57	0.065	0.96	9.13	55.2	3120	1.53	0.67	0.48	0.74	58.6	9.5	24	19.05	298
Q006909		5.35	0.101	0.75	9.18	36.4	2390	1.59	0.90	0.74	0.50	54.0	8.9	20	10.90	246
Q006910		5.34	<0.005	0.02	0.09	<5	40	0.05	0.05	20.9	0.07	1.31	0.6	1	0.26	3.0
Q006911		4.17	0.055	0.82	9.26	28.9	1770	1.53	3.62	0.74	0.53	64.5	9.0	20	16.90	246
Q006912		4.51	0.078	1.81	9.36	54.0	1800	1.63	2.07	0.23	1.09	59.5	7.0	19	20.4	218
Q006913		3.83	0.197	2.72	9.26	159.5	1750	1.49	1.03	0.19	1.68	64.7	8.3	17	27.3	235
Q006914		3.42	0.058	1.11	9.35	34.4	2660	1.88	0.93	0.70	2.37	61.0	16.8	25	21.3	500
Q006915		3.71	0.076	2.79	9.57	78.5	1110	2.18	5.86	0.31	3.13	67.9	17.3	20	24.3	371
Q006916		2.83	0.099	2.62	8.00	177.5	1020	1.90	4.22	0.18	3.88	64.4	15.1	21	26.0	445
Q006917		4.10	0.204	1.61	8.64	75.2	2100	1.53	3.26	0.64	2.19	57.3	7.3	19	16.35	258
Q006918		4.10	0.106	2.28	9.01	78.5	2060	1.44	2.54	0.65	1.93	58.8	5.6	19	18.20	221
Q006919		5.72	0.079	1.26	9.36	65.2	2460	1.52	2.00	1.08	1.71	58.7	6.6	21	11.55	274
Q006920		2.90	0.035	0.54	8.98	26.2	1930	1.63	1.44	0.98	1.65	53.2	7.3	23	14.30	237
Q006921		3.32	0.040	0.48	9.24	21.7	2040	1.54	0.71	1.45	1.38	60.4	7.1	19	11.20	185.5
Q006922		4.19	0.036	0.53	8.60	17.2	2180	1.39	3.11	1.26	2.07	57.1	10.1	17	11.65	245
Q006923		5.44	0.033	0.50	8.75	15.7	2420	1.51	0.90	1.41	1.95	60.5	7.6	15	9.07	217

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Finalized Date: 22- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142581

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K862894		7.91	16.85	0.17	0.9	0.068	2.67	31.5	19.0	0.70	140	4.87	0.91	5.2	7.6	1230
Q006860		7.54	18.85	0.19	0.9	0.108	3.21	38.2	17.3	0.48	136	8.10	0.24	5.4	7.9	1200
Q006861		7.81	19.75	0.17	0.8	0.334	3.39	38.0	20.5	0.41	86	8.97	0.08	4.7	4.4	1450
Q006862		9.49	16.30	0.18	0.8	0.439	2.96	41.9	21.4	0.34	130	8.38	0.09	5.2	4.7	1860
Q006863		3.24	19.85	0.17	0.9	0.199	4.40	38.7	10.8	0.49	89	5.67	0.08	5.8	1.5	760
Q006864		6.48	19.60	0.17	0.9	0.360	3.24	37.2	25.1	0.35	65	3.90	0.05	6.0	3.8	1420
Q006865		6.96	18.85	0.17	0.9	0.182	2.91	32.8	20.5	0.53	130	4.33	0.79	6.8	12.5	1890
Q006866		7.36	18.90	0.18	0.8	0.133	3.38	38.2	11.7	0.42	118	5.69	0.50	4.8	6.1	1460
Q006867		7.16	20.3	0.22	0.8	0.219	3.74	56.1	7.7	0.43	73	4.24	0.06	4.7	1.8	1270
Q006868		6.34	17.15	0.15	0.9	0.174	2.96	27.4	19.3	0.81	199	7.87	0.66	5.4	12.4	1630
Q006869		6.05	18.10	0.16	0.9	0.130	2.89	24.5	21.6	1.02	201	8.37	0.73	5.9	8.3	1430
Q006870		5.17	15.60	0.14	1.1	0.316	3.03	29.0	26.5	0.77	1980	14.70	0.16	6.1	14.8	540
Q006871		5.54	18.35	0.12	0.8	0.095	3.18	24.4	23.2	1.10	187	6.98	0.89	4.8	7.4	1270
Q006872		5.68	18.95	0.14	0.7	0.115	2.99	32.2	18.6	0.76	171	4.70	0.47	4.7	6.8	1210
Q006873		5.81	17.55	0.15	0.9	0.081	2.69	20.1	25.4	1.04	236	4.52	0.58	5.8	10.0	1380
Q006874		4.65	18.60	0.13	0.9	0.120	3.09	27.8	18.8	0.63	190	11.55	0.35	6.5	9.0	1160
Q006875		3.80	15.75	0.13	1.1	0.079	2.31	31.8	33.2	0.31	188	8.60	0.31	6.1	7.8	940
Q006876		4.21	17.75	0.14	0.9	0.094	3.15	31.0	22.2	0.36	188	9.94	0.17	6.1	7.0	1000
Q006877		4.32	19.10	0.17	1.0	0.087	2.63	29.0	21.0	0.50	316	3.52	0.26	7.6	6.2	1080
Q006907		4.93	18.50	0.17	0.8	0.102	2.81	27.1	22.1	1.07	233	3.40	0.32	5.9	7.0	1310
Q006908		4.85	17.65	0.17	0.8	0.088	2.55	29.6	23.7	0.83	243	3.46	0.39	5.6	8.2	1350
Q006909		4.96	18.05	0.15	0.7	0.043	2.61	26.7	25.4	1.51	282	10.40	0.79	5.8	8.5	1320
Q006910		0.50	0.24	0.14	<0.1	0.007	0.03	0.6	1.0	12.95	214	0.18	0.01	0.1	1.6	180
Q006911		4.79	17.70	0.21	0.7	0.053	2.66	32.2	24.4	1.49	281	3.24	0.57	6.2	7.3	1310
Q006912		4.16	17.75	0.17	0.8	0.039	3.75	31.0	13.9	0.60	142	5.89	0.22	4.8	3.8	1010
Q006913		5.17	18.20	0.17	0.8	0.046	3.59	35.1	14.0	0.45	174	4.78	0.15	5.2	4.1	1050
Q006914		5.86	17.65	0.19	0.7	0.062	2.44	30.3	19.2	0.73	322	4.04	0.84	5.0	8.8	1510
Q006915		4.67	20.4	0.20	1.8	0.068	2.97	33.4	22.4	0.37	458	3.11	0.17	6.7	8.9	1230
Q006916		7.76	18.45	0.18	2.4	0.090	3.00	33.3	18.9	0.32	405	9.33	0.12	6.0	9.9	1510
Q006917		6.47	19.60	0.18	1.1	0.066	2.66	29.7	17.1	0.77	272	4.48	0.68	5.7	6.7	1300
Q006918		5.94	20.1	0.18	0.8	0.119	3.04	31.2	15.5	0.80	226	4.23	0.69	5.8	5.6	1200
Q006919		6.49	19.70	0.17	0.8	0.128	2.84	31.5	17.7	1.43	255	4.38	1.00	6.3	7.5	1560
Q006920		5.44	19.45	0.16	0.9	0.045	2.39	24.8	20.8	1.53	293	3.76	1.03	6.8	8.3	1380
Q006921		4.97	18.20	0.18	0.8	0.039	2.33	31.0	18.9	1.48	359	3.18	1.41	7.2	8.2	1310
Q006922		5.51	16.95	0.17	0.7	0.047	2.29	31.0	18.4	1.58	335	7.09	1.05	6.2	9.0	1280
Q006923		5.06	17.35	0.18	0.7	0.035	2.64	32.1	15.4	1.39	277	4.69	1.31	6.2	7.3	1250

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142581

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K862894		41.3	133.5	0.002	0.51	2.41	18.9	2	3.5	184.0	0.40	0.09	18.9	0.327	1.88	4.9
Q006860		82.4	179.0	<0.002	0.69	27.9	19.4	3	5.5	227	0.36	0.15	16.3	0.343	2.70	5.4
Q006861		110.0	199.5	<0.002	1.67	18.15	18.2	2	10.0	182.5	0.32	0.22	20.3	0.319	3.27	5.1
Q006862		213	167.0	<0.002	1.84	78.3	14.9	3	5.8	301	0.34	0.35	23.0	0.322	3.04	6.3
Q006863		284	253	0.002	0.70	61.8	17.1	2	18.9	124.5	0.41	0.31	12.4	0.359	3.74	2.6
Q006864		115.5	185.5	<0.002	1.07	99.9	16.3	3	5.0	149.5	0.40	0.15	19.9	0.367	3.56	4.3
Q006865		71.4	154.0	0.002	0.52	24.3	20.2	3	4.6	261	0.46	0.19	20.7	0.392	2.41	8.0
Q006866		71.0	202	<0.002	0.95	17.30	18.9	3	6.8	180.0	0.32	0.22	18.9	0.321	3.26	7.0
Q006867		177.0	217	<0.002	1.53	47.9	15.7	2	6.9	251	0.29	0.24	23.0	0.309	4.39	3.6
Q006868		105.0	150.0	<0.002	0.14	16.05	21.9	3	4.5	169.0	0.35	0.13	21.7	0.344	2.23	9.5
Q006869		55.3	136.5	0.004	0.10	8.82	20.0	2	4.3	169.5	0.39	0.24	15.9	0.351	2.37	7.0
Q006870		497	167.0	0.005	2.83	27.9	9.6	2	5.7	105.5	0.50	0.33	11.9	0.219	2.58	5.4
Q006871		43.5	144.5	0.003	0.22	5.44	19.4	2	4.2	194.0	0.33	0.12	14.1	0.329	2.44	6.2
Q006872		180.0	133.5	<0.002	0.38	12.90	19.4	2	7.1	146.5	0.31	0.49	13.2	0.347	2.25	6.6
Q006873		101.5	115.0	<0.002	0.12	8.58	19.2	3	3.9	133.5	0.40	0.16	11.9	0.372	2.20	7.9
Q006874		142.0	161.5	<0.002	0.21	50.7	18.4	3	8.6	153.0	0.42	0.26	14.0	0.383	3.15	8.3
Q006875		64.3	114.0	0.003	0.05	51.3	14.6	2	2.2	95.9	0.54	0.10	20.8	0.310	1.97	6.4
Q006876		82.6	156.0	0.002	0.05	81.8	16.7	3	3.8	59.4	0.43	0.14	17.2	0.370	2.99	5.9
Q006877		99.9	127.0	<0.002	0.18	24.5	17.3	3	3.6	161.0	0.58	0.10	17.2	0.394	2.25	5.7
Q006907		198.5	136.0	0.002	0.12	8.76	21.1	3	3.0	142.5	0.44	0.06	15.6	0.371	2.40	8.7
Q006908		146.0	119.0	0.002	0.10	9.65	22.9	2	2.4	189.5	0.43	0.09	15.8	0.338	2.19	13.0
Q006909		66.3	108.0	0.002	0.06	4.69	21.4	2	3.4	209	0.43	0.06	13.4	0.350	1.90	10.8
Q006910		2.7	1.6	<0.002	0.01	0.13	0.2	<1	0.2	47.4	<0.05	<0.05	<0.2	<0.005	0.02	0.5
Q006911		97.6	116.5	<0.002	0.11	3.92	21.0	2	3.2	151.5	0.41	0.07	14.2	0.366	2.09	10.2
Q006912		125.0	172.5	<0.002	0.15	5.63	19.5	2	6.6	112.0	0.38	0.12	12.5	0.304	2.76	6.9
Q006913		376	167.0	<0.002	0.26	11.30	17.9	2	8.4	160.0	0.37	0.12	13.7	0.337	3.11	7.2
Q006914		143.5	108.5	<0.002	0.08	4.90	21.5	2	2.4	215	0.34	0.05	13.3	0.342	1.79	9.4
Q006915		135.0	136.0	<0.002	0.09	14.95	16.7	2	2.8	138.0	0.50	0.11	13.3	0.372	2.32	9.7
Q006916		267	115.5	<0.002	0.19	20.4	13.1	3	4.3	103.0	0.42	0.18	11.6	0.297	1.88	14.8
Q006917		122.0	124.5	<0.002	0.35	9.25	18.6	3	5.6	226	0.41	0.18	14.7	0.348	2.04	9.8
Q006918		186.5	147.0	<0.002	0.35	6.97	18.6	2	6.4	223	0.42	0.19	14.2	0.352	2.55	8.6
Q006919		159.0	131.0	<0.002	0.10	3.74	21.0	3	7.5	291	0.46	0.11	15.8	0.383	2.05	13.7
Q006920		73.4	91.4	0.002	0.04	2.08	21.1	2	3.5	242	0.48	0.11	13.4	0.373	1.71	13.4
Q006921		26.7	101.5	0.002	0.02	2.20	18.0	2	2.4	333	0.53	<0.05	13.8	0.399	1.57	9.3
Q006922		21.0	93.9	0.002	0.02	1.61	20.7	3	3.5	272	0.42	0.16	11.4	0.379	1.65	9.7
Q006923		35.7	110.0	0.002	0.01	1.36	18.1	3	3.3	330	0.42	0.12	14.2	0.347	1.73	10.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142581

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K862894		154	9.8	15.7	190	20.3
Q006860		160	9.4	14.1	312	21.6
Q006861		152	5.5	15.4	196	18.8
Q006862		137	5.7	15.4	249	18.4
Q006863		160	23.2	7.3	60	19.6
Q006864		159	6.6	9.8	151	19.6
Q006865		173	5.7	16.7	187	20.3
Q006866		165	5.8	14.3	206	17.5
Q006867		150	7.1	9.2	84	17.9
Q006868		163	10.9	17.8	165	20.0
Q006869		164	8.1	17.0	153	19.0
Q006870		68	5.6	12.4	906	31.2
Q006871		158	5.0	14.0	123	16.8
Q006872		165	5.5	13.1	144	14.5
Q006873		167	6.8	13.4	128	19.2
Q006874		169	8.6	12.5	98	19.3
Q006875		114	4.7	12.8	116	24.1
Q006876		155	8.6	10.3	98	19.5
Q006877		156	11.9	11.9	85	20.2
Q006907		169	8.0	13.2	110	15.4
Q006908		166	3.8	14.7	87	15.6
Q006909		167	5.1	15.0	81	13.6
Q006910		3	0.1	0.8	15	<0.5
Q006911		170	4.0	13.4	100	13.1
Q006912		158	10.0	12.0	133	16.5
Q006913		159	7.8	12.4	217	16.1
Q006914		170	3.6	20.2	294	13.4
Q006915		144	4.1	20.5	320	53.6
Q006916		110	4.3	21.5	345	82.9
Q006917		153	4.2	25.7	213	22.7
Q006918		158	5.7	16.2	230	17.2
Q006919		171	4.8	20.1	167	16.4
Q006920		164	4.6	19.2	156	15.3
Q006921		155	6.3	21.3	120	18.1
Q006922		163	6.4	25.1	150	13.5
Q006923		154	4.6	26.7	132	12.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13142581

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
This copy reported on
17- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13143893

Project: KLAZA- 41

P.O. No.: Batch 20

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 9- AUG- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13123342**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13143893

Sample Description	Method	Au- AA24	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
Q006026		0.086	4.05	7.94	31.6	2000	1.11	23.2	0.12	0.06	61.0	0.5	23	24.8	107.0	4.60
Q006027		0.089	2.81	7.03	71.0	1800	1.13	15.65	0.14	0.08	153.5	1.0	19	29.3	161.5	4.55
Q006028		0.087	2.98	7.02	30.0	1720	0.96	8.47	0.14	0.11	63.7	0.8	17	31.6	186.0	4.10
Q006029		0.142	4.68	6.77	14.7	1700	0.95	22.6	0.13	0.05	36.0	0.4	16	22.8	161.0	3.64
Q006030		0.081	3.02	7.71	87.1	2630	1.20	14.30	0.12	0.05	104.5	0.7	17	14.15	178.0	5.29
Q006031		0.067	1.89	8.56	68.4	2320	1.38	10.50	0.12	0.02	78.5	0.9	22	16.60	181.5	3.82
Q006032		0.057	2.26	8.91	34.7	1890	1.46	10.30	0.09	0.05	58.9	0.9	19	12.55	83.5	3.57
Q006033		0.076	4.26	8.70	20.8	1610	1.39	20.9	0.10	0.06	56.8	0.7	17	13.15	69.7	3.38
Q006034		0.164	4.14	8.47	20.8	1780	1.32	45.0	0.09	0.05	53.0	0.6	16	17.10	110.5	2.91
Q006035		0.118	3.18	8.48	70.6	1540	1.43	9.43	0.08	0.09	47.6	0.9	18	10.75	150.0	3.60
Q006036		1.655	40.8	5.54	2410	1340	1.14	36.3	1.66	45.7	34.7	17.2	23	10.05	1145	8.74
Q006037		0.075	1.49	8.79	68.0	1700	1.57	10.90	0.09	0.11	69.5	1.0	20	10.85	230	2.96
Q006038		0.031	1.41	8.05	29.9	1960	1.81	18.80	0.17	0.13	66.4	6.3	20	13.45	347	5.08
Q006039		0.200	5.68	7.19	95.5	1190	1.03	22.9	0.13	0.20	46.4	1.5	15	7.31	189.5	6.31
Q006040		0.097	4.31	7.91	75.8	1630	1.18	14.55	0.13	0.14	35.9	0.4	15	7.84	104.0	5.28
Q006041		0.132	3.10	8.17	35.4	2280	1.52	4.85	0.12	0.09	44.7	0.7	16	8.69	96.5	3.93
Q006042		0.140	3.52	8.17	50.4	1530	1.21	8.74	0.09	0.07	44.9	0.4	13	6.81	51.9	3.58
Q006043		0.132	3.91	7.85	36.3	1360	1.11	9.45	0.06	0.09	32.4	0.8	15	5.88	63.4	2.28
Q006044		0.111	3.76	6.85	130.5	1090	0.97	10.10	0.10	0.12	61.5	0.7	11	7.08	121.5	4.89
Q006045		0.106	4.48	7.37	116.0	1170	1.14	10.60	0.11	0.13	84.3	0.4	14	6.99	93.1	4.65
Q006046		0.007	0.14	0.20	<5	40	0.06	0.33	21.0	0.06	2.95	0.7	3	0.35	3.4	0.58
Q006047		0.183	4.91	7.88	87.8	1260	1.18	14.25	0.14	0.13	89.7	0.4	15	7.87	85.2	4.47
Q006048		0.118	3.55	7.70	45.9	1260	1.17	9.63	0.11	0.19	62.8	1.6	17	7.04	64.7	3.34
Q006049		0.126	3.57	7.52	222	1210	0.99	8.50	0.11	0.17	91.8	0.6	14	9.29	67.8	5.68
Q006050		0.299	5.10	7.50	67.5	1400	1.00	12.50	0.15	0.14	109.0	0.4	15	9.46	74.0	5.85
Q006051		0.156	5.38	8.06	48.5	1540	1.26	9.68	0.09	0.19	67.6	1.1	14	9.74	120.0	2.96
Q006052		0.194	6.56	8.24	47.5	1550	1.81	10.35	0.14	1.16	102.5	8.6	14	12.15	482	4.62
Q006053		0.123	3.36	7.77	59.9	2280	1.85	7.29	0.27	0.72	97.9	10.6	14	46.5	580	4.86
Q006054		0.086	1.57	7.82	43.8	2150	1.49	4.90	0.48	1.71	45.0	19.7	14	11.10	867	4.55
Q006055		0.132	1.72	7.89	26.4	2650	1.37	1.95	0.35	1.29	44.9	12.8	13	7.80	1040	4.44
Q006056		0.124	2.21	7.85	16.1	2040	1.47	3.02	0.40	0.73	48.6	17.3	12	9.31	1405	4.69
Q006057		0.099	1.52	7.44	11.2	2120	1.46	2.07	0.50	1.02	32.5	14.2	13	8.75	869	4.37
Q006058		0.166	2.24	7.61	31.6	2250	1.64	1.95	0.30	1.46	63.9	17.3	12	10.95	1340	5.02
Q006059		0.092	3.51	7.24	71.9	1180	1.86	5.84	0.19	1.79	54.1	8.7	10	16.20	837	5.30
Q006060		0.075	3.31	8.55	83.0	1060	3.06	1.64	0.34	0.78	65.6	20.9	12	11.80	2040	4.23
Q006061		0.065	3.47	8.12	30.0	1020	1.21	6.01	0.19	0.36	47.8	3.8	11	9.38	303	3.02

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13123342**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13143893

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
Q006026		21.9	0.16	0.6	0.570	3.73	31.5	29.3	0.89	110	31.3	0.06	4.2	3.1	950	31.4
Q006027		18.90	0.32	0.5	1.080	3.51	76.9	28.7	0.94	140	48.8	0.05	3.5	7.6	1880	30.2
Q006028		17.95	0.19	0.5	0.682	3.99	30.3	37.9	1.02	154	22.4	0.06	4.1	4.9	1100	35.2
Q006029		18.45	0.14	0.5	0.566	3.63	16.9	32.4	1.21	195	26.9	0.06	4.1	2.3	820	25.0
Q006030		18.75	0.22	0.5	0.908	3.02	49.3	40.1	0.72	117	18.30	0.06	3.6	7.8	2390	22.1
Q006031		18.00	0.19	0.6	0.636	1.87	37.1	45.9	0.36	67	13.05	0.05	5.3	14.9	2400	17.7
Q006032		17.40	0.15	0.6	0.338	3.62	31.3	36.4	0.61	141	61.9	0.06	4.7	7.0	1710	21.2
Q006033		18.80	0.17	0.6	0.340	3.78	30.8	28.3	0.68	142	21.3	0.07	4.7	5.9	660	22.4
Q006034		18.70	0.14	0.5	0.249	3.95	30.5	29.0	0.93	156	29.3	0.07	3.7	4.1	750	18.5
Q006035		17.30	0.14	0.5	0.319	3.68	27.7	23.7	0.62	134	28.5	0.07	3.6	7.6	1400	15.6
Q006036		14.20	0.13	0.9	1.540	2.64	19.1	15.6	0.67	2280	16.90	0.06	4.5	14.4	440	1690
Q006037		21.0	0.14	2.6	0.218	2.63	45.3	40.3	0.34	61	11.55	0.18	6.2	6.3	1420	36.5
Q006038		19.70	0.15	2.5	0.212	2.69	40.4	39.2	0.49	200	11.50	0.41	5.1	3.1	1230	22.6
Q006039		18.20	0.15	0.5	0.482	3.84	22.7	15.3	0.53	134	29.5	0.06	4.6	1.5	2630	37.5
Q006040		18.30	0.12	0.6	0.403	4.03	18.6	16.8	0.61	96	35.4	0.12	5.3	0.8	1860	38.4
Q006041		19.45	0.14	0.7	0.350	3.91	27.3	20.6	0.60	102	27.5	0.20	6.0	0.9	1110	26.6
Q006042		19.00	0.15	1.2	0.284	4.18	28.4	13.5	0.55	90	18.00	0.13	5.1	0.7	1890	23.6
Q006043		20.6	0.14	0.6	0.238	4.10	20.5	12.5	0.55	89	41.0	0.12	5.3	0.9	880	22.0
Q006044		16.70	0.13	1.3	0.333	3.42	40.7	14.2	0.48	89	66.0	0.11	3.7	0.9	2210	28.3
Q006045		17.30	0.17	0.6	0.354	3.71	52.5	15.8	0.57	77	34.9	0.11	3.4	0.6	1480	44.4
Q006046		0.52	0.12	<0.1	0.013	0.10	1.7	1.4	12.65	205	1.45	0.01	0.2	1.8	200	2.8
Q006047		18.65	0.21	0.6	0.431	3.87	53.3	18.7	0.55	68	31.9	0.12	3.4	0.6	980	74.5
Q006048		19.15	0.18	0.7	0.368	4.02	37.3	12.5	0.53	66	29.1	0.07	4.8	0.9	520	41.8
Q006049		18.85	0.20	0.6	0.641	4.08	55.9	11.6	0.54	76	35.9	0.07	4.2	0.7	4400	60.3
Q006050		18.60	0.21	0.6	0.699	3.96	63.5	11.1	0.51	73	27.5	0.07	4.1	0.5	1160	70.5
Q006051		19.30	0.18	0.6	0.460	4.13	41.1	12.2	0.52	87	32.7	0.06	5.6	0.7	850	49.4
Q006052		18.70	0.25	0.6	0.565	3.89	53.9	28.3	0.64	614	30.2	0.07	4.7	2.1	1130	51.7
Q006053		17.00	0.22	0.6	0.342	3.01	57.4	28.1	0.67	319	23.0	0.15	5.8	4.8	1230	95.7
Q006054		17.80	0.17	0.6	0.241	3.18	25.1	23.6	1.25	425	33.6	0.61	6.5	8.6	1190	49.6
Q006055		17.40	0.17	0.6	0.286	4.18	25.8	23.1	1.25	305	50.6	0.57	5.7	6.6	1110	59.1
Q006056		17.50	0.18	0.6	0.315	3.99	25.8	20.7	1.39	356	18.75	0.67	5.5	6.5	1180	67.0
Q006057		16.80	0.16	0.6	0.227	3.24	16.8	20.9	1.45	349	41.5	0.93	6.2	7.0	1150	30.8
Q006058		17.30	0.18	0.5	0.374	3.52	33.1	17.2	0.81	309	22.3	0.49	4.5	5.6	1030	94.5
Q006059		14.85	0.15	0.6	0.492	3.06	34.2	21.7	0.39	320	41.6	0.06	3.9	5.3	1080	276
Q006060		18.85	0.18	0.6	0.326	3.23	30.0	25.4	0.50	149	43.3	0.06	4.5	9.4	1180	124.0
Q006061		15.00	0.15	0.5	0.240	3.70	25.1	12.7	0.54	157	47.1	0.14	4.0	2.0	600	261

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13123342**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13143893

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
Q006026		220	0.002	1.30	7.07	19.4	8	13.2	194.0	0.31	1.52	19.3	0.276	3.89	2.3	154
Q006027		162.5	0.004	1.08	9.54	18.7	11	13.3	594	0.25	1.52	33.4	0.245	3.47	4.0	152
Q006028		161.0	0.004	1.23	11.80	17.3	5	12.3	247	0.30	0.93	14.7	0.278	4.02	3.6	149
Q006029		134.0	0.007	1.03	6.24	15.9	5	10.8	132.5	0.30	2.39	9.9	0.290	4.07	2.3	156
Q006030		152.0	0.002	1.51	25.7	18.3	6	8.6	291	0.25	1.22	32.9	0.246	2.79	2.9	143
Q006031		101.5	<0.002	0.82	19.60	14.6	4	7.6	263	0.41	0.88	34.7	0.298	2.06	3.8	142
Q006032		175.0	0.020	0.65	5.02	16.8	4	6.9	124.0	0.33	0.72	17.2	0.327	2.94	2.5	160
Q006033		206	0.003	0.70	4.40	17.9	5	11.1	177.0	0.33	1.13	12.2	0.299	3.44	1.9	153
Q006034		199.0	0.003	0.45	3.53	18.3	3	10.0	103.5	0.26	1.00	8.9	0.260	3.50	1.9	155
Q006035		193.5	0.004	0.67	30.7	16.4	4	8.2	124.0	0.27	0.80	12.8	0.242	3.46	2.3	145
Q006036		150.5	0.003	7.87	104.0	8.1	2	10.5	60.8	0.40	0.69	9.0	0.169	2.10	5.6	55
Q006037		121.0	0.003	0.40	56.3	10.5	2	4.5	170.5	0.46	1.39	14.0	0.248	2.40	7.5	96
Q006038		121.5	0.008	0.88	6.11	9.1	3	4.8	225	0.37	1.65	21.5	0.220	2.36	5.6	91
Q006039		207	0.002	1.77	29.4	16.4	5	20.5	130.0	0.33	0.92	15.3	0.274	3.35	3.3	142
Q006040		208	0.006	1.58	101.5	17.0	4	14.4	105.0	0.39	0.44	10.1	0.330	3.69	2.3	144
Q006041		207	0.005	1.13	14.75	18.1	4	12.5	122.5	0.41	0.47	10.3	0.339	3.64	2.2	146
Q006042		204	0.003	1.02	33.8	15.3	3	17.0	101.0	0.38	0.42	9.9	0.279	3.26	2.1	129
Q006043		208	0.007	0.60	11.10	17.1	4	23.2	69.3	0.38	0.59	7.6	0.298	3.49	1.6	142
Q006044		167.0	0.011	1.29	74.0	11.7	5	16.6	126.5	0.26	0.85	9.6	0.215	2.71	2.4	111
Q006045		185.5	0.004	1.30	31.4	14.4	6	14.4	151.0	0.26	0.75	10.0	0.224	2.97	1.9	128
Q006046		5.2	<0.002	0.03	0.99	0.5	<1	0.4	46.5	<0.05	<0.05	0.4	0.009	0.08	1.9	5
Q006047		202	0.004	1.40	93.7	16.0	6	14.8	209	0.26	0.75	13.5	0.231	3.39	2.2	136
Q006048		217	0.006	1.31	22.1	15.8	6	21.7	129.5	0.36	0.65	11.4	0.271	3.55	2.0	131
Q006049		223	0.003	1.88	14.60	18.1	5	14.1	311	0.32	0.64	17.7	0.265	3.72	2.3	135
Q006050		217	0.009	2.04	68.6	16.9	4	10.6	364	0.31	0.78	15.1	0.274	3.93	2.3	130
Q006051		235	0.004	0.88	27.9	18.7	4	12.8	210	0.43	0.68	14.0	0.299	4.17	2.8	143
Q006052		214	0.003	1.23	11.20	18.5	5	10.4	441	0.37	0.73	17.5	0.281	3.76	7.1	146
Q006053		177.0	0.006	0.94	28.3	17.8	3	8.9	609	0.46	0.54	16.6	0.313	3.03	11.9	132
Q006054		143.0	0.013	1.85	17.70	16.8	4	6.0	230	0.50	0.43	13.2	0.350	2.60	3.8	146
Q006055		156.5	0.031	1.36	9.26	16.3	4	8.0	249	0.44	0.31	11.8	0.325	2.38	5.4	145
Q006056		132.5	0.011	1.78	5.86	16.0	4	8.6	281	0.44	0.29	11.9	0.335	2.33	4.2	153
Q006057		114.5	0.026	1.38	5.13	14.7	2	5.6	229	0.49	0.23	11.0	0.333	2.20	2.7	137
Q006058		155.0	0.016	1.61	16.80	15.3	3	5.2	186.0	0.36	0.31	13.0	0.279	2.63	4.3	130
Q006059		141.0	0.008	0.96	62.3	17.6	5	17.4	201	0.33	0.88	21.6	0.217	2.31	9.4	123
Q006060		166.0	0.012	1.87	96.9	18.2	5	9.4	84.5	0.35	0.23	17.8	0.269	2.99	13.6	139
Q006061		165.5	0.008	0.52	11.55	17.5	3	19.8	263	0.28	0.29	10.3	0.241	2.54	4.0	135

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13123342**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13143893

Sample Description	Method Analyte Units LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
Q006026		9.8	5.5	43	12.6
Q006027		9.2	5.8	65	10.2
Q006028		10.2	3.3	58	10.7
Q006029		9.2	2.4	66	9.2
Q006030		7.2	5.1	44	9.7
Q006031		7.6	5.4	36	11.0
Q006032		9.1	4.7	50	11.0
Q006033		11.8	6.1	56	14.7
Q006034		7.1	4.0	50	11.0
Q006035		8.7	6.1	45	13.8
Q006036		7.0	9.5	3310	24.7
Q006037		3.6	7.7	35	84.8
Q006038		2.4	7.5	187	79.9
Q006039		12.7	7.0	57	11.8
Q006040		11.9	6.4	32	11.6
Q006041		15.7	6.4	36	13.0
Q006042		14.1	5.7	29	37.0
Q006043		18.7	4.3	42	13.3
Q006044		10.5	5.6	56	58.8
Q006045		11.4	6.2	35	14.4
Q006046		0.4	0.9	17	0.6
Q006047		11.6	7.6	34	12.3
Q006048		15.6	5.5	36	14.6
Q006049		11.4	4.9	35	11.4
Q006050		13.0	6.4	31	13.0
Q006051		16.4	7.2	38	12.3
Q006052		12.1	32.7	80	12.0
Q006053		10.3	15.1	146	13.9
Q006054		4.7	22.3	246	11.5
Q006055		6.9	17.4	203	10.7
Q006056		6.8	17.8	204	10.6
Q006057		4.9	16.3	204	10.5
Q006058		4.7	14.0	212	10.0
Q006059		14.7	13.1	201	10.9
Q006060		5.6	31.8	174	11.5
Q006061		19.6	6.9	75	9.3

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13123342**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- AUG- 2013
Account: ROCKHA

Project: KLAZA- 41

CERTIFICATE OF ANALYSIS WH13143893

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au- AA24 FND- 02 ME- MS61

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-AUG-2013
Account: ROCKHA

CERTIFICATE WH13143901

Project: KLAZA - Regional

P.O. No.: Batch 53

This report is for 6 Rock samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26- AUG- 2013
Account: ROCKHA

Project: KLAZA - Regional

CERTIFICATE OF ANALYSIS WH13143901

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G285329		4.22	<0.005	0.11	7.02	6.9	1410	1.64	0.08	4.95	0.19	49.4	10.8	15	10.85	14.9
G285330		1.34	<0.005	0.06	4.93	16.0	480	1.32	0.05	7.05	0.08	48.2	5.0	4	11.75	7.9
G285331		3.20	<0.005	0.06	5.44	7.6	1570	1.41	0.07	5.31	0.06	34.2	12.1	129	7.62	20.7
G285332		0.20	1.820	36.8	5.65	2120	1130	1.17	31.5	1.65	42.0	37.1	16.3	19	9.27	1170
G285333		0.69	<0.005	0.05	2.91	<5	6850	0.53	0.06	19.00	0.16	33.5	4.0	<1	1.66	5.9
G285334		0.67	1.340	50.1	0.65	226	380	0.28	165.0	0.12	0.19	3.06	0.6	20	0.54	33.5

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 26- AUG- 2013
Account: ROCKHA

Project: KLAZA - Regional

CERTIFICATE OF ANALYSIS WH13143901

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G285329		4.06	16.75	0.16	0.6	0.045	1.22	24.0	17.5	0.96	2170	0.22	2.25	6.5	8.3	1200
G285330		2.12	17.40	0.17	0.4	0.031	1.55	25.0	25.1	0.21	731	0.37	0.67	7.0	4.3	740
G285331		2.70	16.45	0.13	1.1	0.040	1.98	16.1	17.2	0.15	916	0.28	1.78	6.6	47.5	980
G285332		8.64	13.35	0.14	0.8	1.540	2.56	18.2	16.1	0.67	2330	16.20	0.06	4.7	14.9	430
G285333		1.70	7.97	0.11	0.2	0.025	0.32	16.5	13.9	0.40	2870	0.14	0.90	2.8	3.8	530
G285334		1.05	1.76	0.08	0.1	0.149	0.37	1.7	13.5	0.03	60	13.85	0.03	0.4	1.3	50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26- AUG- 2013
Account: ROCKHA

Project: KLAZA - Regional

CERTIFICATE OF ANALYSIS WH13143901

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
G285329		15.1	40.9	<0.002	0.03	1.57	11.9	1	1.2	441	0.30	<0.05	2.9	0.314	0.22	0.6
G285330		12.3	62.7	<0.002	0.04	3.11	6.4	1	1.1	1085	0.38	0.05	3.1	0.208	0.35	0.6
G285331		10.0	50.2	<0.002	<0.01	2.80	11.1	1	1.0	483	0.32	<0.05	2.7	0.254	0.44	0.8
G285332		1595	148.0	0.003	7.53	99.9	7.7	1	10.7	62.0	0.39	0.62	8.5	0.168	2.01	5.1
G285333		6.4	10.7	<0.002	0.17	1.68	4.9	2	0.5	1065	0.12	<0.05	0.8	0.120	0.05	0.3
G285334		1225	19.7	<0.002	0.30	47.4	0.8	1	5.2	14.9	<0.05	0.97	0.8	0.017	0.26	0.2

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Finalized Date: 26- AUG- 2013
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Project: KLAZA - Regional

CERTIFICATE OF ANALYSIS WH13143901

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
G285329		123	1.9	32.3	84	13.9
G285330		71	0.7	17.1	54	10.7
G285331		98	0.9	12.9	57	40.3
G285332		55	7.4	8.9	3330	23.2
G285333		59	1.5	28.9	37	4.9
G285334		13	0.4	0.7	17	2.4

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CERTIFICATE OF ANALYSIS WH13143901

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2013
Account: ROCKHA

CERTIFICATE WH13144731

Project: KLAZA

P.O. No.: Batch 49

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 21- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13144731

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006401		4.29	0.028	1.17	7.47	17.3	1650	1.38	1.30	0.38	8.18	38.2	13.8	61	10.55	311
Q006402		4.40	0.060	3.03	8.09	38.7	1630	1.44	5.28	0.42	9.08	39.0	9.5	59	10.70	362
Q006403		4.90	0.058	2.17	8.32	42.2	1270	1.62	2.77	0.30	6.81	33.0	10.3	58	18.50	436
Q006404		4.74	0.072	2.67	7.92	133.0	1030	1.74	4.43	0.27	11.70	39.8	13.2	55	21.7	498
Q006405		3.63	0.056	1.63	8.08	31.4	1620	1.65	2.05	0.27	6.94	31.0	10.0	54	16.50	557
Q006406		5.11	0.040	0.90	7.97	8.7	1800	1.40	0.72	0.48	2.55	26.9	8.9	56	7.65	310
Q006407		5.05	0.055	1.45	8.06	33.8	1430	1.49	1.29	0.28	7.33	34.6	12.8	57	11.45	411
Q006408		4.24	0.043	1.00	8.22	21.9	1820	1.51	0.79	0.37	3.45	32.5	9.5	49	9.05	384
Q006409		4.01	0.073	0.90	7.73	28.4	1430	1.37	0.93	0.25	3.39	31.6	9.1	53	14.15	424
Q006410		4.51	0.059	0.86	7.41	20.5	1320	1.27	0.68	0.31	1.20	28.9	7.9	49	6.93	432
Q006411		4.64	0.063	1.24	8.07	22.2	1490	1.39	0.88	0.32	1.75	34.1	8.2	50	8.68	585
Q006412		3.71	0.064	1.66	7.59	93.0	950	1.47	2.25	0.39	4.95	32.0	8.8	47	16.40	472
Q006413		4.34	0.059	2.07	7.47	113.0	860	1.59	3.15	0.47	6.76	29.5	8.4	54	17.30	431
Q006414		4.10	0.099	2.30	7.40	81.0	1330	1.68	3.36	0.79	5.80	39.2	9.1	49	17.10	377
Q006415		0.24	0.380	4.26	6.83	691	850	1.32	3.76	2.10	10.90	49.4	12.2	25	14.30	310
Q006416		4.00	0.032	0.37	8.09	64.1	1370	1.94	0.66	1.58	2.29	54.2	10.3	21	21.0	73.2
Q006417		3.75	0.058	0.47	8.56	159.5	1260	2.17	0.75	0.80	2.50	64.6	10.3	17	24.2	83.6
Q006418		5.10	0.035	0.42	8.27	120.0	1660	1.90	0.50	1.45	2.02	60.5	9.3	16	18.75	69.7
Q006419		3.82	0.035	0.64	7.40	98.2	810	1.96	0.64	1.71	2.74	45.4	8.5	22	16.15	203
Q006420		3.52	0.057	2.14	7.89	78.8	730	1.65	2.06	0.28	5.33	30.7	9.0	50	18.90	472
Q006421		5.04	0.045	1.96	7.78	75.6	920	1.78	1.70	0.49	8.01	41.3	10.2	69	17.00	464
Q006422		4.37	0.038	1.97	7.67	50.8	1330	1.57	2.01	0.50	5.56	38.0	12.4	70	12.75	411
Q006423		4.03	0.037	1.90	7.82	30.6	1460	1.52	2.01	1.09	3.73	39.7	12.6	73	12.30	397
Q006424		4.50	0.043	3.64	7.90	29.6	1470	1.66	6.46	0.61	2.71	40.2	15.2	82	15.65	836
Q006425		3.90	0.058	2.76	7.91	31.6	1290	1.68	1.83	0.21	2.31	39.9	12.3	81	22.4	983
Q006426		2.87	0.073	4.43	7.24	156.0	530	1.34	1.83	0.16	1.15	39.4	2.4	60	18.85	452
Q006427		4.36	0.216	6.32	7.62	110.0	570	1.34	8.31	0.07	0.55	41.0	1.3	55	9.52	86.0
Q006428		3.45	0.134	4.65	7.48	299	480	1.23	15.80	0.16	1.24	39.2	3.8	57	21.0	413
Q006429		2.29	<0.005	0.04	0.07	<5	30	0.05	0.09	21.2	0.07	1.12	0.6	1	0.20	6.2
Q006430		3.32	0.173	4.34	7.44	351	680	1.36	5.57	0.11	1.64	39.5	7.7	57	18.60	758
Q006431		4.97	0.122	3.56	7.56	185.5	930	1.56	4.88	0.16	2.15	42.6	9.1	59	14.40	1130
Q006432		5.07	0.094	3.58	7.71	56.0	1290	1.57	3.59	0.32	1.65	39.9	6.4	57	14.25	965
Q006433		4.43	0.073	2.49	7.65	98.1	2060	1.73	1.08	0.39	2.72	51.4	9.1	41	15.90	1220
Q006434		4.85	0.028	0.35	7.85	49.0	1570	2.02	0.33	0.30	2.32	60.9	6.9	18	13.35	164.0
Q006435		5.05	0.056	1.45	7.61	193.0	1040	1.76	1.18	0.27	5.71	45.3	13.7	46	19.10	787
Q006436		3.62	0.080	2.94	7.49	338	980	1.75	2.94	0.31	3.40	47.9	11.6	51	21.7	1020

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13144731

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006401		4.43	17.00	0.14	0.9	0.081	3.60	16.9	20.0	0.92	2900	9.29	0.33	7.7	22.3	700
Q006402		4.56	18.20	0.14	1.0	0.177	3.36	17.6	22.9	1.01	2510	9.09	0.58	8.2	25.0	700
Q006403		3.73	18.80	0.15	1.1	0.207	3.41	16.8	22.5	0.50	1270	9.47	0.28	8.3	17.6	700
Q006404		4.88	18.15	0.15	1.3	0.355	3.33	20.9	16.6	0.42	2240	16.25	0.18	7.3	16.4	650
Q006405		6.15	19.00	0.17	1.1	0.165	3.97	17.9	20.9	0.65	615	10.40	0.25	6.4	20.2	640
Q006406		5.17	18.85	0.15	1.0	0.086	3.90	13.9	17.8	1.04	376	4.75	1.72	6.6	17.7	620
Q006407		5.01	17.95	0.15	0.9	0.126	3.96	15.8	22.6	0.58	1370	6.09	0.46	7.4	19.7	680
Q006408		3.84	18.65	0.15	1.3	0.089	3.88	16.2	30.0	0.48	529	5.62	0.94	7.8	14.2	670
Q006409		3.68	17.35	0.15	0.9	0.102	4.12	14.8	27.3	0.50	627	6.29	0.30	7.2	16.5	630
Q006410		3.50	16.50	0.16	0.9	0.079	3.79	13.8	25.2	1.09	437	3.67	1.11	6.9	17.0	620
Q006411		3.83	16.65	0.15	1.0	0.076	4.17	17.1	28.9	0.89	572	4.11	0.48	7.6	18.3	690
Q006412		4.03	16.70	0.15	1.1	0.164	3.41	16.2	15.5	0.32	1120	6.08	0.07	6.7	18.1	600
Q006413		4.76	17.45	0.17	0.9	0.239	3.43	15.1	23.7	0.37	1100	6.14	0.20	6.6	16.7	550
Q006414		5.04	17.75	0.16	1.6	0.342	3.50	19.0	25.5	0.39	736	5.93	0.34	7.3	12.9	650
Q006415		5.07	15.20	0.16	1.1	0.305	2.98	26.5	23.4	0.80	1940	14.10	0.15	6.3	14.2	520
Q006416		3.07	19.05	0.16	3.4	0.104	2.99	26.7	46.2	0.34	1390	3.14	0.32	9.9	9.2	820
Q006417		3.32	20.7	0.18	3.8	0.118	3.62	32.3	19.6	0.35	1460	4.87	0.16	10.8	10.1	840
Q006418		3.20	19.60	0.17	3.8	0.070	3.47	30.8	44.2	0.42	1300	2.79	0.13	10.2	8.4	850
Q006419		3.05	18.25	0.16	3.0	0.094	3.18	23.0	40.8	0.30	1060	4.78	0.11	9.2	11.4	760
Q006420		4.59	18.40	0.15	1.1	0.211	3.03	14.7	35.6	0.32	810	7.62	0.09	6.2	16.6	490
Q006421		4.97	18.45	0.17	1.5	0.229	3.20	20.2	47.2	0.49	981	7.89	0.08	7.2	22.0	730
Q006422		5.28	18.20	0.15	1.4	0.224	3.39	19.0	29.4	0.82	1020	8.43	0.79	7.0	23.2	770
Q006423		4.98	17.95	0.15	1.5	0.391	3.32	20.3	39.5	1.29	1060	8.56	1.31	7.7	21.5	780
Q006424		5.04	18.25	0.17	1.4	0.187	3.39	20.0	42.4	1.01	928	8.85	1.01	7.3	22.0	810
Q006425		5.19	19.40	0.17	1.4	0.293	3.95	20.3	31.4	0.56	818	8.23	0.41	7.2	17.3	790
Q006426		4.54	16.90	0.14	1.5	0.436	3.32	22.9	19.4	0.43	248	4.87	0.10	5.6	5.7	400
Q006427		2.05	19.10	0.15	1.6	0.274	3.77	22.9	10.3	0.39	196	4.14	0.06	5.6	2.1	130
Q006428		4.42	19.10	0.16	1.7	0.381	3.19	22.0	18.8	0.41	350	5.11	0.08	5.4	7.3	440
Q006429		0.48	0.22	0.13	<0.1	0.008	0.03	0.6	1.2	12.60	202	0.32	0.01	0.1	3.9	190
Q006430		4.96	17.90	0.18	1.5	0.402	3.08	21.8	23.5	0.37	414	4.90	0.05	4.5	9.2	590
Q006431		5.18	19.05	0.17	1.5	0.234	3.77	23.6	25.5	0.31	638	4.69	0.23	5.1	14.0	690
Q006432		4.12	20.3	0.18	1.5	0.266	4.61	21.9	12.9	0.46	335	7.83	0.50	5.0	14.1	570
Q006433		3.30	17.70	0.18	1.9	0.161	4.18	28.4	27.4	0.35	1160	4.66	0.10	7.2	15.0	720
Q006434		2.54	18.50	0.18	2.5	0.039	3.64	32.4	15.7	0.34	1590	2.49	0.07	9.8	11.1	850
Q006435		3.97	17.35	0.16	1.7	0.106	3.09	24.9	26.2	0.39	4130	6.87	0.08	6.2	18.7	730
Q006436		5.00	16.80	0.16	1.6	0.185	3.08	27.6	22.9	0.44	1320	5.78	0.05	5.1	11.7	710

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CERTIFICATE OF ANALYSIS WH13144731

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006401		114.5	107.5	0.010	0.07	11.05	9.6	1	2.8	145.0	0.62	0.15	9.9	0.234	1.71	2.9
Q006402		142.5	97.4	0.008	0.07	11.75	8.9	1	2.9	164.0	0.68	0.16	11.2	0.233	1.58	2.6
Q006403		98.0	115.5	0.008	0.03	22.0	8.9	1	2.7	120.5	0.69	0.11	11.1	0.240	2.13	2.9
Q006404		369	131.0	0.007	0.04	35.2	9.5	2	4.6	76.0	0.60	0.22	10.2	0.233	2.62	4.0
Q006405		105.0	129.0	0.012	0.07	18.40	9.1	1	3.1	145.0	0.56	0.16	10.8	0.203	2.17	4.0
Q006406		54.1	107.0	0.009	0.32	4.30	7.8	1	2.3	325	0.56	0.06	9.6	0.212	1.55	2.0
Q006407		267	129.5	0.007	0.26	17.25	8.8	1	2.9	160.0	0.59	0.12	9.9	0.220	2.08	2.9
Q006408		50.9	121.5	0.003	0.19	10.00	8.0	1	2.6	231	0.66	0.10	10.4	0.229	1.82	2.7
Q006409		36.6	131.0	0.003	0.10	11.35	7.8	1	3.3	137.0	0.59	0.08	9.1	0.217	1.96	2.1
Q006410		38.0	120.0	0.004	0.38	4.96	7.4	1	2.8	202	0.59	0.05	9.0	0.204	1.65	1.5
Q006411		63.1	124.0	0.004	0.19	11.50	7.8	1	2.3	157.0	0.63	0.10	10.1	0.216	1.86	1.9
Q006412		129.5	133.0	0.004	0.28	49.9	7.7	1	3.9	58.8	0.56	0.22	9.6	0.208	2.56	2.9
Q006413		301	143.0	0.003	0.61	42.0	7.8	1	5.5	72.8	0.58	0.24	9.8	0.201	2.71	2.4
Q006414		439	136.5	0.003	0.85	19.50	8.7	1	5.4	120.5	0.60	0.36	9.9	0.242	2.55	3.0
Q006415		486	156.0	0.003	2.78	28.6	9.1	1	5.7	108.5	0.52	0.30	11.9	0.210	2.45	5.1
Q006416		80.5	108.5	<0.002	0.06	14.15	8.0	1	1.7	120.0	0.79	0.05	10.2	0.298	2.40	4.3
Q006417		82.1	145.0	0.002	0.08	15.20	9.1	1	2.0	84.8	0.87	0.14	12.3	0.323	2.93	6.1
Q006418		53.1	131.0	<0.002	0.15	13.25	8.2	1	1.6	97.0	0.80	0.08	11.2	0.305	2.75	4.9
Q006419		65.5	120.0	0.003	0.15	20.5	7.8	1	2.0	74.1	0.71	0.08	9.2	0.265	2.50	3.8
Q006420		174.5	125.5	0.002	0.19	28.8	7.5	1	3.9	55.2	0.49	0.18	7.8	0.194	2.15	2.6
Q006421		328	118.0	0.003	0.41	28.4	11.1	1	5.0	109.5	0.59	0.13	10.2	0.262	2.00	3.4
Q006422		328	109.0	0.002	0.26	15.70	11.2	1	4.2	197.5	0.58	0.13	10.4	0.265	1.86	3.1
Q006423		315	109.5	0.002	0.39	8.32	11.9	1	4.2	283	0.63	0.16	10.5	0.286	1.76	3.1
Q006424		122.0	117.5	0.002	0.22	8.72	12.7	2	4.2	249	0.59	0.15	10.3	0.301	1.86	3.4
Q006425		227	162.0	<0.002	0.09	11.25	12.4	2	6.2	137.0	0.57	0.23	11.5	0.280	2.66	3.8
Q006426		433	159.5	<0.002	0.70	24.3	9.1	1	6.2	58.6	0.50	0.21	8.7	0.201	2.57	2.4
Q006427		113.0	179.0	0.002	0.48	105.0	9.3	2	14.4	56.3	0.51	0.26	5.3	0.190	2.94	1.4
Q006428		142.0	157.0	0.002	0.40	101.0	9.2	1	5.2	61.2	0.49	0.41	9.5	0.195	2.55	2.6
Q006429		2.3	1.6	<0.002	0.02	0.54	0.2	<1	0.2	42.3	<0.05	<0.05	<0.2	<0.005	0.02	0.7
Q006430		163.0	163.0	<0.002	0.32	163.5	9.2	2	9.4	58.9	0.43	0.44	10.6	0.167	2.29	4.0
Q006431		169.0	165.5	<0.002	0.12	85.5	9.4	2	6.5	76.5	0.45	0.29	10.9	0.184	2.26	4.4
Q006432		146.5	203	<0.002	1.09	16.80	9.1	2	7.0	133.0	0.47	0.36	9.9	0.170	2.53	3.6
Q006433		88.6	174.5	<0.002	0.67	27.1	8.3	2	2.6	86.0	0.60	0.23	11.2	0.208	3.00	4.7
Q006434		23.2	175.0	0.002	0.06	15.90	6.9	1	1.5	57.7	0.77	0.06	11.8	0.245	3.66	5.6
Q006435		133.5	162.5	0.007	0.22	87.1	8.9	2	3.4	49.6	0.53	0.13	10.8	0.194	3.15	5.3
Q006436		192.5	164.0	0.028	0.73	90.8	8.6	2	4.1	44.3	0.46	0.38	10.5	0.184	2.85	6.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13144731

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
Q006401		84	8.7	10.7	786	25.6
Q006402		79	5.7	11.2	683	26.9
Q006403		77	5.4	10.0	650	31.2
Q006404		81	7.4	13.2	780	43.7
Q006405		84	8.4	12.4	979	30.9
Q006406		76	6.7	8.8	350	27.0
Q006407		78	7.8	10.6	791	27.8
Q006408		79	8.0	9.6	350	40.0
Q006409		76	7.3	9.3	357	27.0
Q006410		75	6.6	7.8	211	27.3
Q006411		75	6.1	8.5	251	29.2
Q006412		71	9.5	10.0	426	35.1
Q006413		71	10.8	8.6	570	23.8
Q006414		82	12.8	12.0	751	52.8
Q006415		67	5.4	12.1	899	31.9
Q006416		78	4.7	15.4	280	117.5
Q006417		81	5.5	18.0	323	136.5
Q006418		79	4.0	16.9	257	129.5
Q006419		74	6.2	13.4	281	98.4
Q006420		72	11.5	8.3	396	29.1
Q006421		99	17.9	10.9	637	43.9
Q006422		99	19.0	10.7	609	40.0
Q006423		97	35.6	11.3	519	42.9
Q006424		109	26.7	11.5	358	42.8
Q006425		108	15.9	11.4	508	42.0
Q006426		85	16.5	6.3	237	43.5
Q006427		84	25.5	4.3	57	40.5
Q006428		77	13.5	4.7	209	44.3
Q006429		3	0.1	0.8	17	<0.5
Q006430		73	15.0	6.1	271	37.1
Q006431		74	16.4	9.9	347	38.7
Q006432		73	26.4	8.2	182	36.8
Q006433		68	19.7	10.9	275	55.2
Q006434		57	5.7	12.4	313	74.2
Q006435		70	11.1	13.3	388	48.1
Q006436		69	10.4	13.7	274	45.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13144731

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au- AA24	ME- MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13144732

Project: KLAZA

P.O. No.: Batch 51

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6- AUG- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70%< 2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 23- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13144732

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006556		5.91	0.080	0.98	7.85	106.0	1970	1.21	1.25	0.29	0.28	59.8	3.7	7	10.95	44.2
Q006557		4.56	0.066	1.35	7.77	54.9	2300	1.49	1.18	0.70	0.59	56.5	6.1	9	9.15	50.0
Q006558		4.47	0.123	0.88	8.04	50.0	2950	1.30	2.28	0.11	0.24	67.6	4.7	7	18.05	101.0
Q006559		4.88	0.311	20.7	7.08	202	1230	1.19	59.9	0.09	0.36	72.0	0.6	6	13.15	30.3
Q006560		3.86	0.144	3.70	6.73	137.5	900	1.08	3.06	0.09	0.60	61.6	0.8	7	11.85	10.3
Q006561		3.03	0.132	2.78	6.73	141.5	1690	1.20	4.70	0.12	1.21	65.6	2.3	7	16.75	16.5
Q006562		4.44	0.227	5.08	6.34	124.0	2100	0.98	6.23	0.13	1.12	64.6	1.0	7	14.55	12.9
Q006563		3.25	0.063	0.96	7.84	58.9	2190	1.51	2.54	0.32	1.73	46.2	5.2	7	11.65	32.2
Q006564		5.12	0.223	1.50	6.49	147.5	890	1.25	4.93	0.16	1.97	56.6	2.5	16	13.55	33.3
Q006565		4.38	0.431	1.27	6.13	244	1190	1.72	0.24	2.36	0.28	34.5	5.7	15	20.2	21.9
Q006566		4.40	0.800	1.42	6.84	288	1730	1.77	0.43	2.20	0.32	41.4	5.7	16	22.1	24.4
Q006567		3.92	0.325	0.78	5.92	166.5	1490	1.76	0.27	1.55	0.46	31.8	5.9	15	25.4	19.1
Q006568		7.21	0.046	0.69	7.00	170.0	1130	1.63	0.66	1.78	0.93	30.0	12.0	18	20.0	37.3
Q006569		3.70	0.091	1.31	8.74	493	1530	1.58	0.98	1.27	2.45	30.4	22.3	33	19.45	81.9
Q006437		3.55	0.049	1.77	6.90	223	890	1.63	1.52	0.24	3.31	28.1	9.2	53	19.60	890
Q006438		4.33	0.175	3.29	7.35	384	1950	1.69	2.87	0.16	2.73	42.3	14.1	52	24.1	1190
Q006439		4.58	0.114	3.19	7.57	323	2220	1.42	2.54	0.17	2.37	39.3	23.0	48	16.35	1070
Q006440		4.78	0.687	5.42	7.52	215	2270	1.45	7.48	0.12	1.48	36.5	8.0	56	17.45	1060
Q006441		5.74	0.433	16.90	7.00	309	650	1.21	21.2	0.12	1.28	34.8	2.3	49	28.3	904
Q006442		4.27	0.106	4.65	7.36	92.5	2520	1.14	4.75	0.13	0.86	36.3	5.2	52	15.80	1300
Q006443		4.50	0.139	8.13	6.79	213	1130	1.23	16.70	0.13	1.22	31.8	11.2	48	22.8	1320
Q006444		5.11	0.042	1.31	7.23	76.7	1070	1.79	1.43	0.20	1.38	44.3	17.8	34	19.65	808
Q006445		3.34	0.040	1.11	7.02	38.6	1480	1.23	1.59	0.26	1.21	38.3	16.0	56	10.75	462
Q006446		5.44	0.040	1.27	6.48	58.3	1900	1.27	1.12	0.38	4.13	39.7	19.3	54	15.35	556
Q006447		3.74	0.105	1.59	7.77	176.0	650	1.76	2.31	0.26	4.36	43.8	17.7	82	19.60	536
Q006448		4.26	0.065	1.37	7.91	123.5	840	1.42	1.94	0.26	5.23	33.9	14.0	39	17.50	430
Q006449		0.22	0.827	11.60	6.16	1535	410	1.37	12.65	1.79	31.4	39.1	17.5	18	12.70	278
Q006450		3.42	0.035	0.83	7.70	87.1	690	1.86	0.97	0.52	8.91	56.4	17.3	42	13.25	271
Q006901		5.44	0.062	1.67	7.57	104.0	1010	1.41	2.06	0.17	5.21	24.5	13.5	69	18.45	442
Q006902		5.91	0.086	1.57	7.81	81.6	1130	1.44	1.76	0.27	3.74	32.4	13.2	66	18.40	363
Q006903		4.98	0.068	2.28	7.75	124.0	1140	1.42	3.02	0.16	9.62	32.3	11.0	67	13.65	464
Q006904		4.33	0.162	2.75	7.33	234	1770	1.78	2.96	0.20	7.71	38.4	10.5	71	21.8	726
Q006856		7.04	0.038	0.77	8.37	52.6	1100	1.36	0.81	0.28	1.04	56.4	7.2	23	18.05	296
Q006857		5.41	0.021	0.92	7.67	21.6	3260	1.51	1.34	0.54	1.17	66.9	6.9	13	16.05	421
Q006858		8.72	<0.005	0.01	0.08	<5	30	0.08	0.03	19.85	0.06	1.37	1.3	<1	0.18	3.1
Q006859		7.68	0.092	0.81	8.19	46.9	4030	1.45	0.78	0.63	0.79	48.1	7.4	15	14.95	411

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13144732

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006556		3.01	17.05	0.13	1.1	0.139	3.16	30.8	11.6	0.26	102	6.20	1.04	6.3	1.1	540
Q006557		3.25	17.10	0.11	1.1	0.144	2.84	31.3	10.1	0.48	241	6.40	1.60	7.0	2.1	610
Q006558		3.14	17.90	0.11	1.0	0.121	2.70	37.4	26.7	0.23	117	3.43	0.22	6.4	1.5	640
Q006559		2.58	16.50	0.12	1.4	0.652	3.39	39.9	12.6	0.27	130	1.84	0.06	8.4	0.8	220
Q006560		2.61	14.95	0.10	1.4	0.312	3.07	33.0	9.3	0.25	207	1.64	0.04	8.6	0.9	260
Q006561		3.29	16.25	0.11	1.3	0.480	2.85	35.3	15.0	0.23	316	3.43	0.05	8.2	1.4	350
Q006562		3.34	15.90	0.13	1.4	0.525	2.54	36.1	10.1	0.21	202	4.13	0.05	8.3	1.0	240
Q006563		3.53	17.50	0.11	1.3	0.218	3.11	24.1	19.0	0.32	307	3.62	1.07	8.1	2.3	500
Q006564		5.57	16.05	0.12	1.7	0.267	2.78	31.5	7.0	0.24	235	3.45	0.06	7.4	2.5	380
Q006565		2.12	17.30	0.12	1.7	0.020	2.66	14.1	83.1	0.18	555	3.07	0.06	9.3	6.1	650
Q006566		2.34	18.50	0.12	1.8	0.021	2.90	17.2	78.4	0.21	611	3.77	0.06	9.9	6.1	710
Q006567		1.90	16.90	0.11	1.6	0.023	2.62	12.7	89.6	0.17	541	2.54	0.06	9.3	5.7	610
Q006568		3.55	18.95	0.10	1.2	0.058	2.41	11.5	111.0	0.28	1170	2.47	0.19	7.2	7.0	900
Q006569		6.45	22.2	0.09	0.6	0.128	1.33	11.5	51.6	0.38	1840	2.63	0.27	5.0	8.5	1320
Q006437		3.94	16.80	0.09	1.3	0.120	2.97	12.5	20.6	0.37	1660	5.63	0.07	4.6	11.4	640
Q006438		5.03	17.20	0.11	1.4	0.198	2.98	18.5	17.9	0.39	1410	6.21	0.05	4.5	8.3	670
Q006439		4.14	17.85	0.09	2.2	0.190	2.61	16.9	34.1	0.29	2800	9.45	0.06	5.4	8.1	670
Q006440		4.36	18.80	0.22	1.4	0.303	3.46	19.9	19.3	0.31	587	11.30	0.10	5.7	8.4	620
Q006441		4.79	18.00	0.23	1.2	0.575	2.85	21.1	14.9	0.38	197	13.50	0.05	3.9	4.1	510
Q006442		3.94	14.40	0.24	1.2	0.549	5.50	19.2	10.7	0.20	221	7.63	0.18	3.7	7.6	620
Q006443		4.34	16.00	0.20	1.0	0.463	3.35	16.2	20.9	0.26	913	10.05	0.09	3.6	5.7	570
Q006444		3.05	17.95	0.22	1.8	0.079	2.95	21.4	37.1	0.30	1160	6.31	0.14	8.7	10.9	650
Q006445		3.49	16.60	0.21	0.9	0.065	3.16	18.9	32.7	0.51	1120	4.64	1.23	7.4	17.3	620
Q006446		3.70	16.55	0.21	0.9	0.079	2.87	19.9	28.6	0.41	2470	8.78	0.67	6.9	27.2	600
Q006447		5.02	19.60	0.23	1.8	0.236	2.28	22.5	47.6	0.30	1340	9.60	0.18	7.2	20.8	940
Q006448		5.11	19.30	0.21	1.4	0.257	2.35	15.6	37.2	0.25	1180	6.70	0.20	6.9	18.3	930
Q006449		6.17	16.05	0.25	1.0	0.777	2.64	19.5	21.0	0.72	1800	9.57	0.12	6.9	12.7	510
Q006450		3.82	19.40	0.24	2.6	0.129	2.21	27.9	49.5	0.31	2030	5.28	0.42	9.8	25.3	1030
Q006901		4.69	17.20	0.19	0.8	0.141	3.01	12.3	29.0	0.25	822	10.05	0.10	7.0	23.2	640
Q006902		4.13	19.35	0.23	0.9	0.096	3.06	17.2	28.3	0.32	876	8.03	0.32	7.6	20.3	690
Q006903		4.90	19.50	0.21	0.7	0.622	2.83	16.2	24.4	0.24	2560	11.50	0.18	7.2	23.7	660
Q006904		5.14	18.60	0.23	1.1	0.261	2.95	27.1	22.9	0.33	2110	12.65	0.21	6.1	23.6	740
Q006856		5.01	17.15	0.25	0.9	0.076	2.16	27.1	32.8	0.26	119	2.75	0.30	7.7	8.5	760
Q006857		7.44	16.00	0.31	0.8	0.062	2.26	34.6	19.9	0.62	110	4.46	0.90	5.9	7.9	1200
Q006858		0.48	0.35	0.27	<0.1	<0.005	0.02	0.7	1.1	11.95	209	0.11	0.01	0.4	2.2	170
Q006859		7.37	16.45	0.23	0.8	0.058	2.37	25.8	22.7	0.73	180	8.52	0.66	5.4	9.5	1380

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13144732

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006556		55.1	139.5	<0.002	0.28	14.30	8.9	2	3.7	150.5	0.54	0.64	14.5	0.211	2.06	2.7
Q006557		41.9	134.0	<0.002	0.18	9.27	9.1	1	3.7	233	0.60	0.39	13.4	0.225	1.78	3.0
Q006558		58.9	132.0	0.002	0.35	57.9	9.8	1	3.3	65.2	0.52	0.75	16.7	0.208	1.92	3.1
Q006559		485	196.5	0.002	0.67	20.5	8.7	1	6.3	32.0	0.72	0.28	11.6	0.236	3.91	2.0
Q006560		161.5	176.0	0.002	0.52	11.65	8.6	1	6.2	42.1	0.77	0.24	9.7	0.253	3.45	2.7
Q006561		260	162.0	0.002	0.60	12.45	9.5	2	4.8	59.1	0.71	0.34	12.9	0.245	3.13	2.7
Q006562		638	137.0	0.002	0.57	16.85	9.0	3	6.1	49.2	0.75	0.34	11.0	0.249	2.96	2.4
Q006563		73.8	156.0	0.002	0.13	6.04	10.3	1	3.2	138.5	0.68	0.54	13.7	0.236	2.13	3.5
Q006564		172.5	152.0	0.002	0.28	7.31	7.7	1	3.9	45.4	0.58	1.67	10.2	0.212	2.82	3.7
Q006565		44.1	103.5	<0.002	0.03	16.40	4.6	1	1.6	383	0.82	<0.05	7.3	0.212	1.78	3.0
Q006566		300	120.5	0.003	0.05	18.85	5.5	1	1.6	290	0.83	0.05	8.7	0.220	1.88	3.3
Q006567		144.5	107.0	0.002	0.03	17.45	4.8	<1	1.4	230	0.76	<0.05	6.8	0.204	1.70	3.0
Q006568		41.2	90.6	<0.002	0.04	21.9	10.7	<1	1.5	196.0	0.55	0.07	5.6	0.327	1.70	2.4
Q006569		67.3	61.5	0.002	0.12	33.2	22.2	1	1.8	155.0	0.32	0.17	3.4	0.497	1.07	1.3
Q006437		131.5	143.5	0.024	0.43	87.7	7.8	2	3.4	50.4	0.42	0.14	7.9	0.169	2.82	4.7
Q006438		242	164.0	0.036	0.20	127.5	8.5	4	4.3	62.3	0.43	0.54	9.9	0.172	2.74	6.0
Q006439		210	133.5	0.017	0.30	122.5	8.0	3	3.4	102.0	0.46	0.30	10.3	0.193	2.47	5.6
Q006440		272	169.5	0.009	0.16	85.9	10.2	3	8.4	73.8	0.48	0.26	9.8	0.197	2.88	5.4
Q006441		1360	172.5	0.002	0.32	66.3	8.9	4	10.3	65.7	0.33	0.66	8.7	0.143	2.87	4.8
Q006442		245	173.0	0.049	0.19	26.3	9.7	3	4.5	122.0	0.33	0.30	10.8	0.143	2.66	4.9
Q006443		455	148.5	0.033	0.15	67.9	8.6	3	4.6	67.2	0.31	0.90	9.3	0.138	2.48	5.6
Q006444		83.3	161.5	0.004	0.06	23.7	8.6	2	2.0	53.3	0.65	0.34	10.5	0.231	3.00	5.8
Q006445		58.1	119.0	0.002	0.04	12.50	9.0	1	3.7	206	0.61	0.26	10.7	0.220	1.66	3.2
Q006446		164.0	114.0	0.002	0.05	22.0	10.0	1	2.9	191.5	0.57	0.13	9.8	0.210	1.88	3.7
Q006447		166.5	130.5	0.004	0.06	60.2	14.2	2	6.3	113.0	0.45	0.23	7.5	0.325	2.14	6.5
Q006448		106.5	106.5	<0.002	0.05	64.1	12.6	2	5.9	115.5	0.46	0.24	6.1	0.348	1.95	4.7
Q006449		1260	148.5	<0.002	4.54	59.6	9.7	2	7.7	92.6	0.50	1.00	10.7	0.200	2.59	5.9
Q006450		50.5	110.5	0.002	0.03	25.1	10.5	2	2.6	161.5	0.63	0.13	8.9	0.313	1.90	6.4
Q006901		148.5	123.5	0.003	0.05	29.4	10.3	2	3.7	65.2	0.52	0.18	8.2	0.228	2.09	4.7
Q006902		101.5	142.0	0.003	0.02	21.6	11.3	2	3.9	102.0	0.58	0.17	10.4	0.241	2.10	4.3
Q006903		310	124.0	0.006	0.06	21.5	11.3	2	7.8	70.3	0.52	0.19	9.1	0.223	2.23	5.8
Q006904		182.0	169.5	0.011	0.11	56.7	12.2	2	6.4	110.0	0.47	0.19	10.0	0.207	3.10	7.5
Q006856		45.9	106.0	<0.002	0.36	25.3	14.7	2	3.0	104.0	0.47	0.12	14.2	0.352	1.68	6.2
Q006857		70.8	118.0	<0.002	0.83	2.49	18.1	3	3.6	224	0.36	0.16	16.9	0.293	1.55	5.3
Q006858		1.8	1.3	<0.002	0.02	0.14	0.3	1	<0.2	45.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
Q006859		54.3	125.5	<0.002	0.25	9.84	17.7	3	2.9	247	0.33	0.10	16.6	0.325	1.81	6.4

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13144732

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
Q006556		67	1.7	9.3	93	30.1
Q006557		66	2.1	10.2	106	29.4
Q006558		64	2.2	11.1	107	25.8
Q006559		53	6.0	7.1	72	39.2
Q006560		54	6.0	7.5	143	37.7
Q006561		57	5.1	10.7	289	36.6
Q006562		59	5.9	10.7	104	35.4
Q006563		65	1.7	11.4	310	36.6
Q006564		54	3.1	10.4	346	57.7
Q006565		53	2.2	7.8	73	49.6
Q006566		56	2.5	9.0	83	51.4
Q006567		50	2.4	7.1	79	48.0
Q006568		114	3.8	10.0	134	31.7
Q006569		196	8.9	16.3	303	13.1
Q006437		68	7.3	7.8	266	34.7
Q006438		68	6.7	11.4	359	40.3
Q006439		67	6.5	11.5	325	72.6
Q006440		78	6.6	9.9	348	37.4
Q006441		75	8.4	5.2	296	35.1
Q006442		73	7.4	9.8	262	30.5
Q006443		67	5.8	10.2	209	26.7
Q006444		62	3.9	10.4	246	57.2
Q006445		74	3.7	7.9	234	23.9
Q006446		74	5.2	10.1	364	24.4
Q006447		109	7.2	14.7	565	62.9
Q006448		109	9.4	10.9	594	46.2
Q006449		61	5.6	10.8	2330	28.9
Q006450		82	3.8	15.6	444	94.0
Q006901		81	5.8	9.9	461	23.9
Q006902		82	4.6	11.3	307	28.0
Q006903		80	7.7	11.6	537	19.4
Q006904		83	6.2	22.8	383	29.6
Q006856		126	6.2	13.7	247	23.5
Q006857		140	13.8	15.7	205	19.2
Q006858		3	0.1	0.9	15	0.7
Q006859		152	3.8	16.9	242	19.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13144732

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

	REE's may not be totally soluble in this method.
Applies to Method:	ME- MS61
	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method:	ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au- AA24	ME- MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-AUG-2013
Account: ROCKHA

CERTIFICATE WH13145760

Project: KLAZA

P.O. No.: Batch 45

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 12-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70%<2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13145760

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006711		4.65	0.041	1.75	7.48	471	860	1.47	0.22	0.26	25.6	37.0	6.8	10	25.3	36.7
Q006712		5.38	0.122	10.10	7.96	733	800	1.42	0.58	0.20	13.55	45.5	2.1	10	28.8	54.4
Q006713		4.49	0.146	22.7	6.02	803	4190	1.12	0.47	0.13	27.7	42.8	3.7	9	16.80	61.5
Q006714		5.08	0.280	25.7	7.35	947	1210	1.47	0.97	0.20	26.8	49.5	6.8	10	24.1	84.7
Q006715		5.32	0.192	13.40	7.27	934	2180	1.30	0.41	0.19	9.89	29.9	1.5	10	27.5	53.9
Q006716		7.31	0.646	41.2	6.80	1205	1330	1.13	0.33	0.20	21.8	41.0	6.6	10	24.6	35.0
Q006717		5.93	0.612	37.4	6.55	3250	2240	1.35	0.37	0.24	24.0	46.5	6.3	10	24.7	52.0
Q006718		4.10	0.151	12.35	7.55	1480	1510	1.26	0.52	0.23	8.31	50.6	6.8	10	14.95	47.8
Q006719		3.98	0.061	2.89	8.26	831	1060	1.61	0.46	0.26	11.55	54.1	10.0	11	21.7	25.5
Q006720		10.57	0.251	6.86	7.17	1125	1550	1.22	1.18	0.21	6.18	39.6	4.8	10	20.3	24.9
Q006721		0.24	0.387	4.13	6.33	713	570	1.25	3.15	2.09	10.25	47.5	11.8	27	12.20	312
Q006722		6.11	0.285	4.42	7.22	1290	760	1.09	1.77	0.27	2.94	45.6	2.2	25	22.0	26.8
Q006723		3.72	0.243	5.23	7.56	1805	700	1.06	1.82	0.25	3.66	41.3	3.5	11	21.3	40.0
Q006724		5.44	0.081	0.64	7.97	329	1760	1.33	0.48	3.35	0.78	38.6	15.6	25	8.15	25.5
Q006725		4.79	0.551	4.22	7.74	3850	1040	1.39	4.62	0.60	2.50	44.1	12.1	23	15.10	103.0
Q006726		4.91	0.229	1.50	8.27	2140	1540	1.26	1.71	2.31	0.97	40.7	13.8	25	9.59	68.6
Q006727		4.12	0.303	3.01	7.88	5070	1210	1.39	2.33	0.77	2.53	36.8	19.7	22	27.0	825
Q006537		5.78	0.228	0.59	7.78	39.5	2320	1.27	2.43	0.37	0.23	41.6	3.4	9	10.55	47.8
Q006538		4.35	0.064	0.28	7.49	52.3	1950	1.39	0.78	0.62	0.55	43.3	7.9	11	8.46	47.6
Q006539		6.45	0.074	0.45	7.65	38.3	1900	1.33	0.67	0.32	0.32	46.3	7.2	9	15.50	36.8
Q006540		5.50	0.056	0.25	7.88	23.6	2460	1.79	0.45	0.74	3.53	67.1	26.0	9	12.35	33.5
Q006541		4.00	0.019	0.25	7.44	12.4	2610	1.48	0.68	0.58	0.33	39.2	6.6	9	8.27	25.2
Q006542		5.50	0.086	0.55	7.59	20.9	2190	1.35	1.58	0.41	0.19	59.1	3.9	9	10.05	49.7
Q006543		7.52	0.035	0.36	7.67	14.2	3100	1.35	1.01	0.47	0.18	42.3	4.5	9	7.51	32.9
Q006544		1.51	0.038	1.00	0.93	16.3	550	0.42	2.67	0.03	0.10	5.84	1.4	38	0.97	7.0
Q006545		12.39	0.117	0.56	7.79	88.3	1370	1.96	0.36	1.02	0.34	62.0	6.5	17	21.9	17.2
Q006546		7.09	0.267	1.37	8.13	132.0	1020	1.98	0.71	1.05	1.80	62.1	8.2	19	18.30	29.0
Q006547		6.39	0.118	0.76	8.04	93.5	1280	1.95	0.25	0.81	0.25	68.1	8.3	21	18.80	11.9
Q006548		3.53	0.056	0.47	8.11	22.7	1840	1.29	0.90	0.26	0.13	61.4	4.7	10	14.05	44.9
Q006549		9.32	0.154	0.95	7.79	32.7	1300	1.32	3.21	0.05	0.08	33.4	3.3	10	11.20	15.4
Q006550		5.01	0.052	0.47	8.08	32.1	2510	1.49	1.95	0.12	0.08	48.9	4.5	9	9.95	19.5
Q006551		5.15	0.206	1.19	8.75	38.5	1660	1.61	2.45	0.05	0.06	45.6	1.3	6	9.63	13.8
Q006552		4.95	0.411	2.18	9.29	57.8	2060	1.22	4.32	0.06	0.07	77.0	1.9	6	9.44	14.6
Q006553		4.69	0.294	2.45	9.70	96.6	2770	1.53	4.16	0.08	0.04	43.2	1.5	8	20.2	9.7
Q006554		3.37	0.088	0.65	7.60	54.6	1490	1.14	1.40	0.10	0.06	77.4	2.6	7	15.90	17.8
Q006555		2.82	<0.005	0.02	0.08	<5	70	0.08	0.05	21.0	0.07	1.27	0.7	1	0.15	1.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13145760

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006711		3.51	16.95	0.12	0.8	0.068	3.28	20.5	23.8	0.25	6290	11.45	0.05	7.1	4.1	540
Q006712		4.91	20.8	0.15	0.8	0.098	3.42	27.9	11.7	0.30	1760	5.56	0.05	7.0	2.3	470
Q006713		4.88	16.50	0.14	0.7	0.101	2.65	25.9	15.6	0.22	4140	10.55	0.03	5.4	2.2	410
Q006714		5.59	21.1	0.13	0.7	0.099	3.05	29.2	13.5	0.23	4150	7.16	0.04	6.2	2.8	500
Q006715		4.66	19.40	0.13	0.7	0.084	3.35	15.7	14.3	0.26	722	8.81	0.04	7.5	2.3	450
Q006716		4.34	18.55	0.13	0.7	0.060	2.90	22.5	15.1	0.24	3490	14.10	0.04	6.5	2.5	540
Q006717		5.90	17.95	0.15	0.6	0.053	2.68	29.0	17.8	0.22	3890	9.61	0.04	5.9	2.8	470
Q006718		4.83	17.95	0.13	0.7	0.138	2.71	27.3	17.6	0.23	1240	6.61	0.28	6.8	3.4	500
Q006719		4.64	17.30	0.15	0.9	0.040	2.90	30.8	22.6	0.22	2790	4.30	0.34	7.7	4.3	590
Q006720		4.17	16.05	0.14	0.7	0.081	3.27	22.4	14.8	0.26	2060	7.38	0.04	7.2	2.9	450
Q006721		4.85	14.35	0.10	1.1	0.278	2.96	23.9	23.9	0.74	1910	12.95	0.15	5.8	13.7	510
Q006722		4.95	15.10	0.10	0.7	0.142	3.17	24.5	9.7	0.30	678	7.42	0.06	6.7	9.1	400
Q006723		4.96	15.85	0.10	0.8	0.124	3.33	20.7	8.0	0.30	1330	2.43	0.05	7.4	2.6	390
Q006724		4.98	20.1	0.08	0.6	0.075	1.81	14.8	14.0	1.39	1550	2.39	2.47	7.5	6.6	1160
Q006725		7.62	19.15	0.14	0.5	0.131	2.76	22.4	13.5	0.79	2310	3.39	0.21	6.1	5.7	980
Q006726		6.72	19.95	0.10	0.6	0.092	1.97	19.3	14.3	0.99	1290	2.80	1.74	7.0	6.5	1100
Q006727		7.91	18.60	0.11	0.5	0.171	2.61	13.5	17.2	0.84	899	2.45	0.33	5.6	5.7	970
Q006537		3.27	17.05	0.12	1.1	0.130	3.38	21.3	9.4	0.62	168	4.81	1.25	6.6	2.0	520
Q006538		3.37	15.75	0.08	1.2	0.081	2.68	21.6	12.1	0.64	257	3.13	1.80	7.5	3.5	590
Q006539		3.19	15.75	0.08	1.1	0.061	3.02	22.7	17.0	0.37	240	1.83	0.97	7.5	2.0	520
Q006540		2.98	16.00	0.09	1.1	0.069	3.02	27.2	14.9	0.65	1240	5.92	1.88	7.8	4.7	610
Q006541		2.44	15.20	0.11	1.3	0.084	3.02	21.9	9.3	0.74	210	3.10	1.99	7.9	2.2	540
Q006542		3.11	16.15	0.11	1.2	0.082	2.70	30.2	8.2	0.64	144	4.52	2.26	6.7	1.5	560
Q006543		2.72	15.65	0.08	1.0	0.061	2.79	20.3	9.2	0.77	145	6.21	2.30	5.9	2.6	580
Q006544		0.91	2.08	0.06	0.1	0.020	0.38	3.2	5.8	0.04	80	7.91	0.04	0.5	1.9	50
Q006545		2.39	18.60	0.11	1.8	0.023	2.96	30.7	32.2	0.23	724	2.21	0.14	9.3	6.6	750
Q006546		2.65	19.75	0.12	1.8	0.026	3.15	30.0	36.6	0.27	893	4.13	0.34	10.1	7.6	820
Q006547		2.58	19.50	0.11	1.8	0.022	3.05	32.9	34.0	0.28	854	1.99	0.71	9.9	8.2	810
Q006548		2.67	17.00	0.13	1.2	0.070	3.19	29.7	8.6	0.46	135	1.72	1.74	7.4	1.6	620
Q006549		4.13	16.15	0.09	1.1	0.258	3.74	15.7	6.4	0.40	93	7.88	0.22	4.8	1.6	360
Q006550		3.21	17.85	0.11	1.1	0.230	3.75	23.0	9.2	0.44	112	3.62	0.52	5.9	1.5	370
Q006551		3.06	20.0	0.17	1.3	0.318	4.49	23.1	7.6	0.45	78	8.50	0.14	7.5	0.9	240
Q006552		4.02	25.6	0.14	1.5	0.188	4.74	40.7	9.2	0.49	71	5.53	0.16	6.3	0.9	170
Q006553		3.77	27.6	0.10	1.6	0.243	4.83	21.0	12.1	0.49	67	12.05	0.11	10.0	0.7	230
Q006554		2.97	17.05	0.12	1.3	0.148	3.37	47.1	13.8	0.30	75	7.43	0.09	5.9	1.0	320
Q006555		0.51	0.25	0.07	<0.1	<0.005	0.03	0.6	1.1	13.35	216	0.12	0.01	0.3	2.2	210

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13145760

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006711		392	162.5	0.004	0.09	21.1	11.9	1	6.0	87.2	0.59	0.05	10.0	0.292	3.28	3.8
Q006712		1615	194.5	0.003	0.33	18.70	14.1	1	24.2	105.5	0.59	0.12	11.2	0.279	3.28	3.5
Q006713		3700	151.0	0.004	0.36	27.2	9.9	1	22.9	82.6	0.45	0.07	9.9	0.211	2.46	4.0
Q006714		4650	163.0	0.003	0.36	30.8	11.8	1	31.6	71.5	0.50	0.06	11.2	0.250	2.64	4.4
Q006715		2480	161.5	0.004	0.39	30.4	11.8	1	17.3	79.5	0.64	<0.05	9.2	0.279	3.58	5.1
Q006716		8570	146.0	0.003	0.47	51.9	11.0	1	27.1	82.1	0.56	<0.05	10.2	0.260	2.90	3.6
Q006717		5990	143.0	0.002	0.51	55.1	11.9	1	24.6	183.0	0.48	0.06	9.6	0.228	2.65	4.6
Q006718		1250	148.5	0.003	0.16	23.8	12.9	1	18.8	73.2	0.60	0.07	12.5	0.247	1.92	3.4
Q006719		457	153.5	0.003	0.13	17.05	14.0	1	5.6	105.5	0.68	0.07	16.4	0.277	2.13	3.6
Q006720		1305	164.0	0.004	0.44	27.0	11.0	1	10.4	86.4	0.60	0.08	9.9	0.276	2.76	3.7
Q006721		481	145.0	0.004	2.63	27.0	8.5	1	5.6	103.0	0.48	0.32	9.9	0.206	2.30	4.7
Q006722		938	160.5	0.002	0.76	23.4	9.5	1	11.4	148.5	0.56	0.15	10.4	0.254	3.26	3.9
Q006723		953	162.5	0.003	0.61	19.80	10.1	1	15.1	105.5	0.58	0.08	10.3	0.271	3.48	2.6
Q006724		48.0	42.5	0.005	0.02	3.90	14.0	1	1.9	731	0.46	0.10	4.4	0.471	0.67	1.0
Q006725		411	142.0	0.003	0.07	16.85	15.9	1	9.0	105.5	0.38	0.14	5.2	0.417	1.90	3.2
Q006726		83.6	71.9	0.002	0.16	8.20	15.9	1	2.8	569	0.44	0.07	5.4	0.454	0.90	2.6
Q006727		158.0	124.5	0.004	0.83	13.25	14.9	1	3.3	448	0.35	0.30	4.8	0.384	1.74	4.6
Q006537		53.1	161.5	0.004	0.14	4.07	9.3	1	4.6	174.0	0.48	0.50	10.3	0.233	1.87	2.0
Q006538		30.3	119.5	0.003	0.07	2.90	9.1	1	2.8	228	0.59	0.21	11.9	0.249	1.38	2.8
Q006539		111.0	140.5	0.002	0.11	4.75	8.8	1	3.1	128.5	0.67	0.20	12.6	0.233	1.92	2.4
Q006540		25.7	124.0	0.003	0.14	2.83	10.5	1	2.8	236	0.61	0.14	13.3	0.250	1.50	4.2
Q006541		27.2	121.5	0.005	0.12	2.62	9.0	1	2.5	255	0.72	0.15	14.3	0.226	1.40	3.7
Q006542		43.1	114.5	0.004	0.39	4.00	9.4	1	3.5	289	0.55	0.69	14.4	0.211	1.53	3.0
Q006543		26.7	112.5	0.003	0.29	2.61	8.5	1	3.0	306	0.50	0.37	11.9	0.197	1.50	2.6
Q006544		25.9	19.1	0.002	0.20	14.35	0.8	1	0.7	17.7	<0.05	0.16	1.0	0.019	0.25	0.3
Q006545		54.7	127.0	0.004	0.03	14.95	6.5	1	1.6	91.1	0.74	<0.05	11.2	0.215	1.70	3.3
Q006546		75.6	141.5	0.003	0.02	10.90	7.3	1	1.7	108.5	0.79	<0.05	11.3	0.240	1.89	3.5
Q006547		36.0	133.0	0.004	0.02	6.77	7.5	1	1.5	137.5	0.75	<0.05	11.8	0.242	1.66	3.5
Q006548		26.7	138.0	0.004	0.12	3.76	10.2	2	3.2	193.0	0.61	0.28	14.0	0.229	1.92	2.6
Q006549		59.5	193.5	0.003	0.59	3.43	9.4	2	6.1	40.4	0.44	0.73	11.3	0.168	2.75	1.4
Q006550		42.4	199.0	0.003	0.37	4.03	9.8	2	7.6	86.9	0.48	0.77	13.0	0.183	2.71	1.9
Q006551		141.5	241	0.004	0.60	5.89	8.9	2	11.1	26.2	0.93	1.05	9.0	0.162	3.18	1.3
Q006552		170.5	243	0.004	0.70	5.17	13.3	3	17.2	23.3	0.63	1.38	6.5	0.230	3.19	1.3
Q006553		104.0	249	0.002	0.77	6.49	15.4	3	15.0	32.4	1.04	0.73	6.0	0.256	3.26	1.4
Q006554		49.6	171.5	0.003	0.68	13.35	8.9	2	4.9	38.3	0.56	0.41	11.5	0.189	2.52	1.7
Q006555		1.7	1.4	0.002	0.02	0.11	0.2	<1	0.3	45.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.8

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13145760

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
Q006711		98	4.2	11.7	2100	20.3
Q006712		92	5.4	11.3	1660	19.5
Q006713		76	3.9	10.5	1920	15.4
Q006714		81	4.9	14.1	2380	18.0
Q006715		96	5.0	6.7	1580	18.0
Q006716		88	6.6	10.1	2130	18.0
Q006717		81	4.8	17.8	2070	15.4
Q006718		85	3.4	16.6	1140	19.4
Q006719		95	2.9	21.8	1980	22.2
Q006720		90	4.4	9.6	855	18.4
Q006721		67	5.4	10.3	886	27.9
Q006722		83	6.7	8.7	744	16.6
Q006723		85	7.8	8.4	764	21.1
Q006724		148	1.3	13.3	206	13.9
Q006725		132	6.0	19.6	497	13.5
Q006726		146	1.9	18.7	274	15.0
Q006727		132	2.9	13.5	282	12.0
Q006537		70	1.9	9.9	121	26.8
Q006538		70	2.1	11.3	117	28.6
Q006539		64	2.5	10.9	133	27.7
Q006540		71	2.6	18.7	142	29.9
Q006541		65	1.7	9.7	91	34.3
Q006542		63	1.2	9.2	71	29.8
Q006543		65	1.5	7.6	76	27.3
Q006544		21	0.5	1.1	13	3.0
Q006545		61	1.8	12.5	87	53.3
Q006546		65	2.3	12.5	171	55.1
Q006547		66	2.0	12.8	91	53.4
Q006548		67	3.9	8.7	92	30.7
Q006549		78	3.4	5.7	102	29.2
Q006550		71	4.3	7.7	131	30.9
Q006551		67	4.7	5.5	55	33.5
Q006552		120	8.0	5.0	66	39.8
Q006553		121	4.6	5.1	59	44.2
Q006554		63	3.3	9.7	48	31.4
Q006555		3	0.1	0.9	16	0.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13145760

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

	REE's may not be totally soluble in this method.
Applies to Method:	ME- MS61
	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method:	ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au- AA24	ME- MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
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Finalized Date: 17- AUG- 2013
This copy reported on 20- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13147005

Project: KLAZA

P.O. No.: Batch 33

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 14- AUG- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: **Re- analysis Results for Samples Originally Reported On Certificate WH13135208**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13147005

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05
Q007173		16.50	8.53	555	1510	1.78	5.06	0.94	2.76	67.5	12.5	19	16.15	341	6.93	17.15
Q007174		0.88	8.59	79.0	1030	1.56	1.17	1.25	1.48	48.7	14.1	12	16.95	124.5	5.04	18.50
Q007175		0.85	8.84	58.1	970	1.54	2.22	0.81	2.01	44.3	13.3	11	26.3	111.5	5.32	18.60
Q007176		0.70	9.22	61.7	1880	2.08	1.22	0.44	3.31	66.6	12.8	14	28.5	92.4	4.58	19.45
Q007177		0.23	7.88	25.8	1540	1.94	0.21	0.66	2.06	73.5	5.2	14	15.65	19.8	2.64	16.65
Q007178		0.16	8.03	30.2	2040	2.03	0.20	0.62	1.79	81.1	6.1	14	12.15	18.2	2.71	17.00
Q007179		0.12	8.50	12.8	1310	2.10	0.14	0.37	2.21	77.8	4.5	10	16.05	12.0	2.58	17.95
Q007180		0.11	8.00	11.7	1100	2.27	0.11	0.31	3.64	79.5	4.3	11	24.1	10.5	2.38	18.10
Q007181		0.16	8.75	15.5	3430	2.15	0.32	0.33	2.90	74.3	6.4	13	24.1	23.3	3.04	19.60
Q007182		0.90	8.84	212	1320	2.23	0.99	0.19	5.40	61.7	10.7	8	32.2	71.4	4.74	19.40
Q007183		0.33	8.74	43.9	2050	2.39	0.37	0.34	5.17	80.0	7.0	13	21.7	27.3	2.81	18.95
Q007184		11.80	6.84	1585	1000	1.33	12.80	1.92	31.9	49.0	17.8	19	14.25	290	6.64	14.20
Q007185		3.06	8.52	218	2530	1.98	2.18	0.37	9.58	77.1	8.3	14	17.00	74.7	4.15	17.40
Q007186		0.80	8.59	57.2	2270	1.53	0.32	0.42	5.06	36.4	13.2	17	13.65	111.0	4.85	17.35
Q007187		15.75	9.43	440	2210	1.69	4.36	0.41	5.34	50.3	10.9	17	15.40	257	6.03	18.35
Q007188		27.0	9.17	397	6320	1.80	8.88	0.91	6.00	54.5	17.1	17	19.35	221	6.24	18.30
Q007189		19.10	8.90	286	3200	1.77	7.32	1.18	4.07	52.7	18.5	16	17.10	299	6.01	17.60
Q007190		24.2	8.78	881	8060	1.74	20.1	0.40	6.21	59.0	14.2	15	19.05	638	8.82	16.20
Q007191		6.70	9.14	373	2610	1.98	2.75	0.30	5.58	63.3	15.9	17	21.7	446	7.33	17.10
Q007192		4.75	8.93	239	3830	1.83	1.00	0.55	4.31	61.3	12.8	18	19.10	170.5	6.13	17.60
Q007193		0.05	0.10	<5	40	0.09	0.04	20.7	0.09	1.60	0.7	1	0.31	8.2	0.49	0.27
Q007194		0.78	8.61	33.7	3630	1.62	0.51	1.64	2.72	46.2	19.9	16	11.65	100.0	5.25	16.40
Q007195		4.15	9.11	250	6390	1.81	2.35	0.93	4.03	59.0	16.2	15	16.75	159.5	5.88	17.55
Q007196		7.50	9.13	267	1250	1.92	5.27	0.33	4.92	59.6	11.8	16	24.8	174.0	5.90	17.10
Q007197		1.98	9.03	194.0	1310	1.83	0.33	0.32	5.26	61.2	17.0	15	21.2	111.0	6.51	17.00
Q007198		1.42	8.65	97.8	3770	1.64	0.43	1.37	3.10	55.8	14.3	16	15.85	87.2	5.13	16.35
Q007199		5.83	8.62	220	6560	1.75	5.13	0.39	5.69	60.5	17.7	14	24.1	139.0	5.63	17.10
Q007200		0.34	8.45	19.6	2640	1.65	0.22	1.83	1.67	52.8	14.8	15	9.16	73.1	4.90	15.50
Q007201		5.44	8.19	251	1660	1.80	1.91	0.70	3.42	54.4	6.7	14	16.80	116.5	6.70	16.35
Q007202		0.32	8.57	17.2	2730	1.76	0.18	2.02	1.96	53.2	17.4	15	9.57	51.3	4.91	16.45
Q007203		0.66	8.46	26.7	1570	1.53	0.24	0.59	2.21	50.7	14.4	17	28.8	62.9	4.70	14.95
Q007204		0.36	8.22	24.3	2270	1.63	0.27	1.56	1.71	49.6	18.0	16	10.40	76.4	5.15	15.05
Q007205		0.46	8.40	45.3	4660	1.69	0.26	0.43	2.31	45.1	21.4	15	23.2	104.5	4.87	16.10
Q007206		0.45	8.42	41.0	2540	1.80	0.21	1.16	3.07	61.2	20.9	15	12.35	138.5	5.03	14.35
Q007207		0.56	7.95	34.0	2260	1.63	0.27	1.88	1.77	60.3	21.7	16	10.35	111.5	5.24	15.80
Q007208		0.55	8.50	74.2	2820	1.70	0.74	1.34	2.32	49.5	16.4	16	11.85	108.0	6.55	15.85

Comments: **Re-analysis Results for Samples Originally Reported On Certificate WH13135208**

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13147005

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb
	Units	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5	0.1
Q007173		0.17	1.3	0.254	2.62	38.0	26.9	0.74	769	5.04	0.93	6.2	7.5	1120	547	141.5
Q007174		0.15	1.2	0.051	2.02	24.4	28.9	0.91	538	1.73	1.78	4.9	4.8	1010	211	94.9
Q007175		0.14	1.2	0.043	2.06	21.8	32.2	0.71	428	2.27	1.46	4.4	4.4	990	132.0	93.2
Q007176		0.16	2.0	0.176	2.46	34.4	75.1	0.33	939	2.86	0.32	7.7	6.1	1160	163.5	112.0
Q007177		0.14	1.8	0.039	2.43	38.3	56.3	0.33	620	1.64	0.58	10.2	5.5	1020	31.4	102.0
Q007178		0.15	1.8	0.035	2.53	41.8	42.6	0.32	778	2.05	0.53	11.1	6.2	1080	35.0	105.0
Q007179		0.17	1.9	0.032	2.72	41.0	48.7	0.24	616	2.11	0.17	10.8	4.5	1110	27.2	113.5
Q007180		0.16	2.3	0.029	2.76	41.7	46.1	0.21	575	2.12	0.06	11.8	5.0	1170	18.2	124.0
Q007181		0.17	3.1	0.030	2.84	38.3	43.7	0.23	498	2.09	0.06	11.7	7.6	1250	17.4	123.0
Q007182		0.18	1.7	0.052	2.98	35.0	35.5	0.29	472	4.21	0.06	7.3	5.0	1020	82.5	152.5
Q007183		0.15	2.8	0.039	2.86	41.1	49.8	0.24	852	2.90	0.08	12.1	6.9	1270	49.3	114.5
Q007184		0.15	1.1	0.771	2.98	26.7	20.4	0.82	1880	8.09	0.13	6.1	12.0	560	1340	173.5
Q007185		0.17	2.6	0.058	2.48	43.7	48.2	0.29	1220	4.14	0.17	11.0	8.2	1230	198.0	97.9
Q007186		0.15	0.9	0.050	2.47	18.9	46.3	0.42	458	1.93	0.20	7.5	7.2	1430	113.0	91.4
Q007187		0.18	0.8	0.122	3.59	28.1	36.5	0.43	268	3.18	0.19	6.5	6.2	1490	1840	179.0
Q007188		0.18	0.9	1.045	2.82	31.3	30.8	1.00	451	1.67	0.86	6.8	8.4	1500	1195	131.0
Q007189		0.18	0.6	0.265	2.50	33.1	33.7	1.36	435	1.67	1.34	6.1	14.1	1420	731	114.0
Q007190		0.18	0.8	0.903	3.19	38.4	30.4	0.42	261	3.99	0.64	4.3	5.8	1420	2680	142.0
Q007191		0.19	0.7	0.354	3.58	40.1	44.6	0.39	307	5.58	0.26	4.4	5.5	1390	1400	192.0
Q007192		0.19	0.7	0.386	3.28	34.9	33.4	0.71	364	3.53	0.59	6.4	6.6	1220	1200	160.5
Q007193		0.11	<0.1	0.006	0.04	0.8	1.5	12.90	203	0.25	0.01	0.2	1.9	210	7.3	2.2
Q007194		0.15	0.8	0.043	2.66	23.0	26.3	1.41	754	1.63	1.64	7.4	8.2	1330	303	89.2
Q007195		0.17	0.7	0.158	3.19	34.4	23.1	0.81	453	2.44	0.73	7.4	6.9	1320	603	149.0
Q007196		0.20	0.8	0.285	3.64	35.1	22.4	0.35	487	3.99	0.08	7.3	5.9	1350	1090	169.0
Q007197		0.18	0.7	0.210	3.66	35.4	17.3	0.42	499	3.64	0.07	6.6	7.3	1300	777	173.0
Q007198		0.18	0.7	0.061	2.92	30.1	24.4	0.92	595	1.97	1.26	7.5	7.6	1380	498	121.5
Q007199		0.16	0.8	0.190	3.01	32.6	26.8	0.41	606	4.29	0.19	6.7	6.6	1210	1115	156.5
Q007200		0.17	0.7	0.022	2.56	27.3	21.2	1.81	534	1.77	1.69	6.8	7.7	1310	105.5	83.0
Q007201		0.17	0.7	0.318	3.39	32.5	16.3	0.80	176	5.56	0.64	5.1	4.9	1220	892	178.5
Q007202		0.18	0.7	0.022	2.65	27.6	20.8	1.80	678	2.99	1.89	7.4	8.3	1340	45.4	83.9
Q007203		0.15	0.7	0.024	3.14	28.0	16.5	0.68	203	3.70	0.88	5.9	6.2	1080	159.0	146.0
Q007204		0.16	0.7	0.033	2.49	25.9	19.2	1.49	443	2.95	1.48	6.3	7.2	1220	37.3	85.1
Q007205		0.15	0.7	0.021	2.49	23.3	24.5	0.71	237	3.99	0.55	6.7	7.8	1050	40.8	110.0
Q007206		0.16	0.7	0.014	2.60	28.9	21.1	1.51	773	2.83	1.17	5.8	10.3	1240	74.8	93.2
Q007207		0.19	0.7	0.033	2.27	31.9	18.6	1.48	622	2.35	1.51	6.7	9.5	1180	128.0	92.6
Q007208		0.16	0.7	0.040	2.73	29.5	22.3	1.48	422	5.22	1.14	6.3	8.3	1240	37.4	103.5

Comments: **Re-analysis Results for Samples Originally Reported On Certificate WH13135208**

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Finalized Date: 17- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13147005

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Q007173		<0.002	0.06	25.1	17.2	2	11.5	213	0.42	0.11	11.0	0.344	1.75	5.9	131	4.3
Q007174		<0.002	0.04	6.08	16.6	1	4.5	291	0.32	0.12	6.0	0.360	1.37	3.5	137	2.2
Q007175		<0.002	0.03	6.59	17.8	2	3.5	217	0.30	0.11	5.5	0.349	1.46	4.2	136	1.8
Q007176		<0.002	0.06	15.95	13.4	1	3.0	135.5	0.51	0.06	9.7	0.370	1.70	5.8	113	3.1
Q007177		<0.002	0.03	5.88	6.9	1	1.6	125.0	0.68	0.08	12.0	0.288	1.23	4.1	57	1.6
Q007178		<0.002	0.03	6.56	6.9	1	1.4	115.0	0.74	0.09	12.9	0.317	1.26	4.1	58	1.5
Q007179		<0.002	0.02	6.79	5.8	1	1.3	51.2	0.73	<0.05	12.5	0.288	1.39	4.3	48	1.2
Q007180		<0.002	0.01	7.77	6.1	1	1.2	36.7	0.77	<0.05	12.4	0.291	1.59	5.4	48	1.9
Q007181		<0.002	0.07	11.50	8.6	1	1.9	55.5	0.73	<0.05	11.8	0.350	1.79	5.3	74	2.9
Q007182		<0.002	0.03	12.65	14.7	1	10.8	60.6	0.48	<0.05	9.2	0.408	1.86	5.8	129	6.9
Q007183		<0.002	0.03	7.94	6.7	1	1.7	55.3	0.77	0.05	12.9	0.325	1.59	5.5	55	1.5
Q007184		<0.002	4.87	61.7	9.5	2	7.7	100.0	0.50	1.20	12.3	0.219	2.48	5.0	65	5.7
Q007185		<0.002	0.07	12.95	8.9	1	2.4	89.5	0.68	0.49	12.7	0.342	1.40	6.8	73	1.8
Q007186		<0.002	0.02	17.30	21.0	1	2.3	161.0	0.50	0.07	11.5	0.460	1.39	5.3	175	4.5
Q007187		<0.002	0.03	66.5	21.3	2	12.1	119.5	0.42	0.08	13.1	0.397	1.94	7.0	172	6.0
Q007188		<0.002	0.17	50.0	21.3	2	9.3	371	0.44	0.12	13.4	0.431	1.68	5.8	171	4.1
Q007189		<0.002	0.08	25.5	21.0	2	5.9	290	0.39	0.08	12.8	0.395	1.74	4.7	169	2.9
Q007190		<0.002	0.26	47.4	19.2	2	10.0	361	0.32	0.31	14.7	0.345	2.05	9.5	157	3.1
Q007191		<0.002	0.10	34.7	21.9	2	12.4	131.0	0.34	0.09	14.6	0.331	2.53	9.6	161	5.3
Q007192		<0.002	0.13	14.70	21.3	2	6.4	216	0.43	0.11	14.6	0.402	2.36	7.1	169	4.5
Q007193		<0.002	0.01	0.16	0.2	<1	<0.2	50.0	<0.05	<0.05	0.2	0.005	0.03	0.8	3	0.1
Q007194		<0.002	0.06	2.99	20.0	2	1.9	438	0.51	0.10	13.5	0.419	1.43	4.5	161	2.6
Q007195		<0.002	0.14	11.50	20.3	2	7.2	314	0.50	0.12	13.7	0.434	1.90	6.8	166	3.3
Q007196		<0.002	0.07	27.3	21.1	2	4.9	79.3	0.52	0.20	13.9	0.419	2.53	9.0	163	8.8
Q007197		<0.002	0.04	13.20	21.2	2	4.1	81.8	0.44	0.11	13.9	0.394	2.52	9.8	164	5.9
Q007198		<0.002	0.08	10.80	19.8	1	3.2	377	0.50	0.09	13.2	0.434	1.69	4.6	165	2.7
Q007199		<0.002	0.22	29.0	20.1	2	5.6	230	0.46	0.14	13.8	0.388	2.28	9.7	156	3.7
Q007200		<0.002	0.03	1.53	18.5	1	1.8	400	0.46	<0.05	11.6	0.405	1.40	3.3	158	2.1
Q007201		<0.002	0.07	9.86	19.6	3	11.6	156.0	0.35	0.45	13.6	0.309	2.29	9.4	147	5.9
Q007202		<0.002	0.03	1.38	19.2	2	1.8	438	0.51	<0.05	12.1	0.420	1.43	4.1	160	2.1
Q007203		<0.002	0.04	3.01	19.6	2	2.4	153.0	0.42	0.07	13.9	0.358	1.86	6.1	154	3.8
Q007204		<0.002	0.03	1.62	20.3	2	2.1	353	0.43	0.08	11.9	0.381	1.48	5.7	159	2.4
Q007205		<0.002	0.13	4.71	21.0	2	2.0	230	0.44	0.07	13.3	0.387	1.65	6.7	162	2.7
Q007206		<0.002	0.02	1.84	21.7	2	2.4	275	0.38	<0.05	11.5	0.356	1.51	5.7	168	5.3
Q007207		<0.002	0.04	2.28	20.9	2	1.9	380	0.45	0.07	12.3	0.383	1.42	5.5	153	2.5
Q007208		<0.002	0.10	1.55	20.6	2	3.7	325	0.43	0.08	12.1	0.378	1.50	7.9	157	2.7

Comments: **Re-analysis Results for Samples Originally Reported On Certificate WH13135208**

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Finalized Date: 17- AUG- 2013
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CERTIFICATE OF ANALYSIS WH13147005

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
Q007173		23.6	261	40.7
Q007174		20.4	212	38.3
Q007175		21.1	301	41.2
Q007176		21.2	338	67.3
Q007177		13.2	170	45.8
Q007178		12.9	157	47.9
Q007179		11.2	183	47.7
Q007180		12.4	204	67.4
Q007181		15.0	212	106.0
Q007182		18.9	226	55.1
Q007183		13.5	311	87.3
Q007184		12.6	2450	29.6
Q007185		17.9	477	83.1
Q007186		18.3	359	17.8
Q007187		22.9	443	14.2
Q007188		24.6	602	18.0
Q007189		24.2	487	12.3
Q007190		23.7	999	12.3
Q007191		24.2	791	13.4
Q007192		22.2	925	13.5
Q007193		1.0	16	0.6
Q007194		19.7	449	13.9
Q007195		24.2	643	12.5
Q007196		23.5	748	13.9
Q007197		27.3	851	13.2
Q007198		22.5	406	12.7
Q007199		22.8	645	12.1
Q007200		21.7	254	11.5
Q007201		20.3	549	11.5
Q007202		23.2	200	12.6
Q007203		19.0	271	12.4
Q007204		22.0	190	11.9
Q007205		19.9	233	12.4
Q007206		23.0	230	11.4
Q007207		25.2	188	11.7
Q007208		23.1	284	12.7

Comments: **Re-analysis Results for Samples Originally Reported On Certificate WH13135208**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13147005

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
FND- 02 ME- MS61

ALS Canada Ltd.

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Finalized Date: 18- AUG- 2013
This copy reported on 20- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13147006

Project: KLAZA

P.O. No.: Batch 35

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 14- AUG- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb- AA62	Ore grade Pb - four acid / AAS	AAS

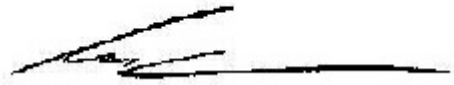
To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

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***** See Appendix Page for comments regarding this certificate *****

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13136040**

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 18- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13147006

Sample Description	Method	Pb- AA62
	Analyte	Pb
	Units	%
	LOR	0.001
Q007038		26.6

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13136040**

***** See Appendix Page for comments regarding this certificate *****

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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1016 - 510 W HASTINGS STREET
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Finalized Date: 18- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13147006

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

FND-02 Pb-AA62

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 17- AUG- 2013
This copy reported on
20- AUG- 2013
Account: ROCKHA

CERTIFICATE WH13147007

Project: KLAZA

P.O. No.: Batch 32

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 14- AUG- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
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***** See Appendix Page for comments regarding this certificate *****

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13135207**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 17- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13147007

Sample Description	Method Analyte Units LOR	Au- AA24 Au ppm 0.005
Q007137		0.036
Q007138		0.034
Q007139		0.024
Q007140		0.591
Q007141		0.038
Q007142		0.034
Q007143		0.054
Q007144		0.410
Q007145		0.034
Q007146		0.066
Q007147		0.076
Q007148		0.033
Q007149		0.041
Q007150		<0.005
Q007151		0.133
Q007152		0.032
Q007153		0.048
Q007154		0.088
Q007155		0.019
Q007156		0.011
Q007157		0.009
Q007158		0.013
Q007159		0.049
Q007160		0.039
Q007161		0.302
Q007162		0.077
Q007163		0.010
Q007164		0.053
Q007165		0.147
Q007166		1.730
Q007167		0.393
Q007168		0.068
Q007169		0.053
Q007170		0.039
Q007171		0.218
Q007172		0.107

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13135207**

***** See Appendix Page for comments regarding this certificate *****

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13147007

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24 FND- 02

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 31-AUG-2013
This copy reported on 18-SEP-2013
Account: ROCKHA

CERTIFICATE WH13152819

Project: KLAZA

P.O. No.: Batch 48

This report is for 7 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-AUG-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-25	Wt. of Crushed Reject
FND-03	Find Reject for Addn Analysis
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

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***** See Appendix Page for comments regarding this certificate *****

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142559**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 31- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13152819

Sample Description	Method	WEI-25	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Reject W	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
Q006731		7.29	5.90	7.19	689	2310	1.59	1.69	1.37	17.50	47.7	12.4	8	10.80	289	3.09
Q006732		4.60	48.2	6.86	3190	1250	1.39	34.5	0.37	10.80	46.7	2.7	10	15.20	489	4.19
Q006734		1.270	0.11	0.06	<5	20	<0.05	0.10	21.1	0.10	1.10	0.6	<1	0.13	4.8	0.47
Q006736		5.72	1.22	7.15	454	1370	1.51	0.87	0.43	17.35	73.2	5.5	15	4.61	262	3.04
Q006738		8.43	2.03	6.96	649	1260	1.56	1.29	0.39	21.1	72.9	5.1	15	4.63	292	3.01
Q006740		6.26	41.7	6.61	1895	1320	1.48	42.1	0.81	12.90	58.8	6.2	17	8.79	503	4.16
Q006741		3.59	82.9	5.56	3220	890	1.41	122.5	0.30	14.00	50.4	3.5	14	9.96	616	4.71

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142559**

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 31- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13152819

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
Q006731		16.00	0.10	1.3	0.086	2.88	23.7	8.2	0.50	6420	2.53	1.67	7.5	6.2	660	515
Q006732		15.35	0.13	1.1	2.04	2.99	27.8	23.0	0.28	489	3.14	0.34	7.1	2.9	500	8060
Q006734		0.16	0.05	<0.1	<0.005	0.02	0.5	0.9	12.40	214	0.22	0.01	0.1	1.6	210	12.6
Q006736		16.40	0.13	2.4	0.042	0.31	40.7	98.3	0.07	2940	2.37	0.10	10.6	5.3	940	66.8
Q006738		16.55	0.11	2.5	0.080	0.24	40.5	108.0	0.06	2050	3.30	0.05	10.7	4.2	920	136.5
Q006740		14.60	0.12	1.7	0.748	1.77	35.1	59.7	0.36	1430	6.44	0.73	8.5	6.1	670	5320
Q006741		12.50	0.11	1.3	1.570	2.07	31.6	36.0	0.20	985	11.85	0.21	6.9	3.7	580	>10000

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142559**

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 31- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13152819

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
Q006731		129.5	<0.002	0.02	12.45	10.9	1	1.6	281	0.63	<0.05	13.3	0.245	1.68	3.3	68
Q006732		160.5	<0.002	0.52	140.5	10.7	1	7.2	114.0	0.55	0.18	11.2	0.259	2.29	7.0	71
Q006734		1.0	<0.002	<0.01	0.29	0.2	<1	<0.2	45.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.6	3
Q006736		15.2	0.002	0.04	14.80	6.0	1	1.2	290	0.72	<0.05	10.4	0.273	0.45	6.3	50
Q006738		12.4	<0.002	0.06	28.7	6.1	1	1.3	370	0.73	<0.05	11.1	0.253	0.46	8.6	47
Q006740		91.0	<0.002	0.31	167.5	9.0	1	3.9	254	0.63	0.13	11.3	0.275	1.19	6.6	67
Q006741		118.0	<0.002	0.38	259	8.7	1	3.5	151.5	0.54	0.43	11.3	0.239	1.90	8.7	60

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142559**

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 31- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13152819

Sample Description	Method / Analyte / Units / LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001
Q006731		1.4	17.7	2950	32.9	
Q006732		5.3	9.9	1140	30.1	
Q006734		0.1	0.7	21	<0.5	
Q006736		4.8	14.4	2180	79.9	
Q006738		3.9	14.7	2230	83.0	
Q006740		3.8	16.0	960	49.1	
Q006741		5.2	11.9	1180	37.7	1.065

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142559**

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 31- AUG- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13152819

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method:	REE's may not be totally soluble in this method. ME- MS61
Applies to Method:	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL) ME- MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	FND- 03	LOG- 22	PUL- 31	SPL- 21
	WEI- 25			
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	ME- MS61	ME- OG62	Pb- OG62	

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 11-SEP-2013
This copy reported on 23-SEP-2013
Account: ROCKHA

CERTIFICATE WH13158783

Project: KLAZA

P.O. No.: Batch 47

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 3-SEP-2013.

The following have access to data associated with this certificate:

JOAN MARIACHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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***** See Appendix Page for comments regarding this certificate *****

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142558**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Finalized Date: 11-SEP-2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13158783

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05
Q006795		25.3	6.08	2350	730	1.14	9.20	0.11	12.00	38.4	0.9	9	7.45	47.1	3.18	15.55
Q006796		12.10	5.80	1845	1320	1.48	3.35	0.17	22.6	42.5	1.7	9	17.85	72.3	4.55	14.95
Q006797		7.35	7.64	479	1560	2.31	1.00	0.21	26.0	54.8	7.5	14	34.0	51.3	4.15	19.90
Q006798		8.12	6.59	1225	1220	1.94	2.23	0.18	24.5	50.4	4.5	11	30.8	78.4	4.37	16.00
Q006799		9.90	7.21	1945	1490	1.84	6.41	0.21	25.8	45.8	7.4	9	18.85	92.6	5.74	15.60
Q006800		9.42	5.84	1070	950	0.81	14.05	0.29	2.09	46.8	5.3	10	21.0	39.1	7.56	16.20
Q006801		0.06	0.07	7	20	0.06	0.05	20.0	0.13	0.98	0.7	<1	0.25	3.4	0.47	0.23
Q006802		78.0	4.18	1480	370	0.62	99.7	0.20	1.18	42.2	4.9	7	10.60	36.8	7.38	8.36
Q006803		>100	3.82	881	820	0.53	72.2	0.12	1.25	45.6	6.2	8	6.82	28.1	5.95	6.65
Q006804		14.85	5.18	1665	390	0.89	29.9	0.25	3.45	46.2	8.7	9	14.15	64.1	9.57	15.85
Q006805		10.25	6.67	1540	1060	1.28	44.1	0.16	8.65	53.9	13.8	9	19.75	69.1	5.47	15.95
Q006806		0.41	7.56	111.5	2150	2.03	0.42	1.56	2.87	51.9	12.8	10	9.67	53.6	3.46	17.90
Q006807		7.33	7.81	788	1850	1.85	0.55	0.90	10.85	39.6	12.9	9	16.80	346	5.99	17.30
Q006808		13.25	6.56	1580	290	1.65	11.50	1.88	34.6	44.8	18.8	18	13.65	297	6.54	16.25
Q006809		8.24	6.89	1100	1720	1.26	0.88	0.76	8.99	47.3	10.2	9	24.7	614	8.28	16.95
Q006810		74.3	4.91	4680	390	0.63	58.2	0.39	3.17	53.5	2.0	14	21.9	337	9.94	14.95
Q006811		75.3	5.48	3900	610	1.02	19.35	0.36	2.29	54.7	2.1	15	27.8	362	8.27	15.50
Q006812		26.5	4.97	4250	820	1.02	3.00	0.23	7.30	44.1	20.3	11	12.85	657	9.91	12.55
Q006813		10.95	7.27	1505	1880	1.02	0.96	0.30	2.48	20.3	5.2	7	19.70	309	5.78	16.30
Q006814		12.70	7.38	1070	1730	1.14	1.60	0.48	2.20	21.0	4.6	8	15.10	216	4.57	16.10
Q006815		8.63	7.45	992	2130	1.34	1.45	0.90	10.45	19.15	8.2	9	11.60	167.5	5.17	16.40
Q006816		12.40	7.91	955	2230	1.77	3.32	0.59	11.70	31.9	17.3	11	17.75	210	5.31	19.25
Q006817		1.40	7.26	211	1490	1.65	0.63	0.67	4.24	47.4	5.7	11	9.75	76.8	3.48	17.30
Q006818		1.53	7.74	211	1530	1.76	0.81	0.71	4.28	48.0	5.8	11	9.92	78.2	3.56	16.85
Q006819		7.40	7.24	1300	1560	1.41	1.40	0.19	8.11	47.9	6.8	11	14.10	461	6.24	16.45
Q006820		8.63	7.10	2540	1000	1.09	3.22	0.20	9.40	26.8	6.0	8	21.4	914	14.80	15.80
Q006821		22.2	6.47	3580	1310	1.13	4.71	0.37	4.29	52.0	3.0	10	18.05	451	6.94	16.15
Q006822		0.09	0.08	12	20	0.06	0.07	20.4	0.10	1.10	0.8	<1	0.23	9.3	0.49	0.24
Q006823		20.4	7.01	1575	1510	1.32	17.05	0.30	3.68	50.7	8.5	18	17.70	677	6.88	17.95
Q006824		18.40	7.62	645	1730	2.67	19.00	0.39	9.25	73.4	17.5	18	20.5	482	3.87	19.15
Q006825		4.48	6.02	130.0	3630	1.64	2.63	1.65	24.4	38.9	6.8	13	6.64	73.4	2.65	16.90
Q006826		4.46	6.30	707	450	1.55	3.40	1.98	11.20	45.8	12.9	23	12.90	304	4.93	16.25
Q006827		6.26	6.39	159.5	1450	1.59	5.36	1.38	20.0	50.6	6.2	13	8.90	68.5	2.40	17.90
Q006828		10.70	6.86	276	3360	1.55	9.49	1.04	32.7	63.3	9.6	16	4.40	407	3.16	16.95
Q006829		3.24	7.06	88.6	1710	1.66	2.17	1.67	12.00	43.8	7.0	10	17.35	51.4	2.62	16.85
Q006830		3.96	7.42	93.2	2280	1.85	2.49	1.49	7.24	50.9	8.4	9	15.15	55.5	2.93	17.40

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142558**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-SEP-2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13158783

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb
	Units	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5	0.1
Q006795		0.17	1.2	1.025	2.97	19.7	15.6	0.21	135	1.94	0.05	6.7	1.7	210	3780	197.5
Q006796		0.19	1.2	0.514	2.71	21.6	16.1	0.21	1090	5.53	0.03	6.5	1.5	460	1720	195.0
Q006797		0.20	2.8	0.322	3.04	25.7	34.0	0.23	4480	11.30	0.05	10.4	4.3	880	1395	209
Q006798		0.20	1.9	0.485	2.29	31.9	42.7	0.20	1230	7.01	0.04	8.0	3.5	650	1340	171.0
Q006799		0.20	1.1	0.546	2.57	25.7	25.0	0.18	1730	5.41	0.09	7.5	3.6	660	869	151.5
Q006800		0.17	1.1	0.749	1.98	23.6	40.3	0.16	353	4.27	0.09	7.4	2.4	520	532	130.0
Q006801		0.11	<0.1	0.009	0.03	0.5	1.1	12.15	207	0.22	<0.01	0.2	1.5	200	5.4	1.7
Q006802		0.17	1.3	0.459	2.31	23.4	18.0	0.12	291	3.41	0.11	6.5	1.4	340	3110	145.5
Q006803		0.16	1.2	0.406	2.09	26.3	14.5	0.09	317	3.46	0.09	8.4	1.4	200	5250	135.0
Q006804		0.18	1.1	1.010	2.78	23.0	18.8	0.16	498	6.50	0.35	7.7	2.0	490	986	159.0
Q006805		0.16	1.1	0.643	3.16	32.4	13.5	0.21	680	6.81	0.05	7.9	2.0	460	1565	206
Q006806		0.17	1.3	0.099	2.88	25.3	10.1	0.61	823	1.50	2.23	8.9	3.6	620	34.2	134.5
Q006807		0.20	1.2	0.288	3.23	20.8	14.3	0.33	905	6.72	1.11	8.0	3.2	640	401	181.5
Q006808		0.19	1.1	0.873	2.98	20.7	20.5	0.75	1820	9.89	0.13	7.2	13.0	550	1335	177.0
Q006809		0.18	1.1	0.576	2.90	25.7	17.4	0.26	337	8.30	0.83	7.5	2.5	680	236	161.5
Q006810		0.17	2.0	3.14	1.88	28.3	38.1	0.16	102	17.80	0.06	8.4	1.8	810	1615	118.5
Q006811		0.18	2.9	1.200	1.65	26.5	49.5	0.16	56	9.36	0.04	9.2	2.4	840	2520	118.5
Q006812		0.18	1.3	0.647	2.13	21.7	19.1	0.18	422	19.40	0.04	5.8	3.9	690	768	140.0
Q006813		0.16	1.3	0.220	2.88	11.1	18.0	0.30	109	4.06	0.31	7.8	2.3	430	295	139.5
Q006814		0.15	1.3	0.234	3.04	11.8	15.4	0.26	169	3.96	0.84	8.1	2.0	410	1200	152.0
Q006815		0.15	1.2	0.170	2.88	10.6	11.8	0.48	349	5.46	1.36	7.8	3.0	520	696	136.0
Q006816		0.16	1.3	0.297	2.84	16.2	15.8	0.51	648	5.92	1.31	9.3	4.4	590	837	151.5
Q006817		0.22	1.1	0.220	2.28	22.2	12.3	0.48	855	1.74	2.04	8.8	4.3	630	53.9	132.5
Q006818		0.19	1.0	0.241	2.33	22.5	12.3	0.49	887	1.73	2.07	8.6	4.1	630	59.3	130.5
Q006819		0.22	1.1	0.518	2.94	26.1	18.6	0.18	508	2.02	0.34	8.2	2.2	630	238	186.0
Q006820		0.23	1.1	1.035	2.18	16.6	58.4	0.14	151	8.36	0.04	7.7	2.8	1010	279	134.5
Q006821		0.20	1.2	1.705	2.97	28.2	12.4	0.25	187	1.78	0.18	7.6	3.3	570	1430	204
Q006822		0.10	<0.1	0.013	0.03	0.5	1.2	12.35	186	0.22	<0.01	0.2	1.5	180	10.5	1.7
Q006823		0.18	3.1	1.110	2.71	29.1	25.7	0.26	490	3.95	0.17	10.4	5.2	900	776	175.0
Q006824		0.19	3.4	0.548	2.69	37.5	46.7	0.24	1100	2.52	0.07	11.4	7.8	1130	789	182.5
Q006825		0.17	2.3	0.172	0.64	17.3	187.5	0.11	1220	3.73	0.05	11.1	4.5	770	345	22.1
Q006826		0.17	1.1	0.348	2.90	22.3	27.8	0.72	1830	16.15	0.14	6.8	14.9	520	465	161.0
Q006827		0.19	2.4	0.175	0.96	22.8	195.0	0.13	904	1.95	0.09	12.1	3.8	800	427	37.6
Q006828		0.20	2.4	0.319	0.44	32.7	93.0	0.15	1320	2.85	0.16	11.7	4.2	860	999	19.8
Q006829		0.20	1.4	0.096	2.25	19.5	73.4	0.24	773	0.94	0.77	8.9	3.1	650	267	101.5
Q006830		0.20	1.6	0.096	2.80	22.4	22.7	0.37	871	1.12	1.75	9.1	3.7	660	831	136.5

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142558**

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-SEP-2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13158783

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Q006795		0.004	0.57	57.4	8.2	1	11.6	30.3	0.57	0.31	5.7	0.202	2.28	3.1	56	6.3
Q006796		0.002	0.71	55.0	8.7	1	9.7	72.8	0.52	0.19	9.4	0.194	2.60	7.4	57	6.8
Q006797		0.002	0.07	22.9	9.9	1	3.9	133.5	0.74	<0.05	11.0	0.291	3.84	10.0	71	5.3
Q006798		0.003	0.36	41.5	8.4	1	3.9	150.0	0.61	0.08	9.1	0.231	2.65	11.2	61	5.0
Q006799		0.003	0.41	47.4	10.0	1	4.8	79.7	0.57	0.26	10.7	0.230	2.28	15.1	67	4.0
Q006800		0.003	1.07	26.1	10.1	1	5.0	110.0	0.55	1.45	11.3	0.218	1.88	9.7	66	4.0
Q006801		0.004	<0.01	0.21	0.2	<1	<0.2	36.8	<0.05	<0.05	<0.2	<0.005	0.02	0.8	3	0.1
Q006802		<0.002	1.95	70.7	6.1	4	17.8	126.5	0.52	1.06	7.7	0.209	2.05	6.6	43	7.3
Q006803		<0.002	1.71	94.9	5.5	5	20.7	74.7	0.71	1.11	5.9	0.265	1.71	5.5	40	11.6
Q006804		0.002	2.52	34.1	8.4	1	4.7	150.0	0.62	2.06	10.5	0.241	2.14	5.7	67	4.1
Q006805		0.004	0.89	36.6	9.8	<1	4.8	87.7	0.63	1.03	10.6	0.247	2.89	5.3	66	4.2
Q006806		0.003	0.01	3.42	11.3	1	1.8	339	0.76	0.05	14.8	0.248	1.39	3.8	71	1.2
Q006807		0.003	0.03	15.30	10.3	1	2.4	193.0	0.57	0.32	10.0	0.252	2.17	8.3	72	1.5
Q006808		0.005	4.75	68.5	9.7	2	8.7	99.1	0.59	1.76	10.7	0.210	2.82	5.4	65	6.3
Q006809		0.003	0.78	13.35	9.7	1	2.2	166.5	0.60	0.30	13.1	0.225	1.92	9.9	74	2.0
Q006810		0.002	2.16	192.0	8.2	1	5.5	287	0.60	5.02	10.5	0.239	2.27	8.9	54	3.5
Q006811		0.003	2.11	144.0	6.7	1	2.4	464	0.63	1.96	8.0	0.251	2.31	8.5	55	3.4
Q006812		0.003	0.69	104.0	7.4	<1	3.0	51.0	0.51	1.16	8.2	0.164	2.43	23.1	52	4.0
Q006813		0.003	0.35	25.1	7.7	<1	1.6	86.2	0.67	0.23	10.2	0.230	1.67	8.5	66	2.5
Q006814		0.003	0.18	22.5	7.9	<1	1.8	139.0	0.69	0.15	10.7	0.248	1.83	8.4	70	2.8
Q006815		0.003	0.11	17.95	9.0	1	1.8	213	0.61	0.18	9.9	0.265	1.44	5.3	77	2.8
Q006816		0.004	0.18	20.8	11.4	<1	2.2	193.0	0.71	0.22	12.3	0.284	1.68	6.7	88	3.0
Q006817		0.002	0.02	7.07	11.1	<1	6.1	194.0	0.66	<0.05	13.2	0.263	1.62	3.5	70	2.4
Q006818		0.003	0.02	7.14	11.0	1	6.0	204	0.63	<0.05	12.9	0.266	1.53	3.4	71	2.3
Q006819		0.003	0.10	16.50	9.6	1	9.6	57.1	0.67	0.52	12.1	0.235	2.68	9.0	68	2.8
Q006820		0.003	0.10	45.8	6.5	1	2.3	67.6	0.69	2.18	8.3	0.211	1.91	14.5	68	2.0
Q006821		0.002	1.16	44.5	8.7	1	5.9	160.0	0.62	0.60	12.3	0.223	2.94	5.3	65	3.7
Q006822		0.002	<0.01	0.21	0.2	<1	<0.2	41.8	<0.05	<0.05	<0.2	<0.005	0.02	0.7	3	0.1
Q006823		0.003	0.26	41.0	5.9	1	2.7	273	0.75	0.34	10.8	0.284	3.32	13.2	63	3.6
Q006824		0.004	0.24	35.2	8.2	1	2.3	449	0.78	0.15	10.6	0.288	3.58	10.8	61	4.2
Q006825		0.003	0.12	21.3	5.1	1	1.4	191.0	0.78	<0.05	6.6	0.226	0.88	3.9	48	3.9
Q006826		0.005	2.64	29.5	9.2	1	6.0	107.0	0.55	0.32	10.1	0.197	2.54	4.9	66	5.5
Q006827		0.002	0.07	25.6	5.8	1	1.5	145.5	0.81	0.07	8.0	0.240	1.02	3.6	49	3.5
Q006828		0.003	0.13	32.3	6.3	1	2.0	402	0.79	0.15	9.5	0.251	0.48	7.6	51	3.4
Q006829		0.002	0.05	12.75	9.2	1	1.7	247	0.75	<0.05	11.1	0.242	1.38	2.8	65	1.3
Q006830		0.003	0.04	10.60	11.1	1	2.0	303	0.79	<0.05	13.8	0.260	1.56	2.7	73	2.2

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142558**

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1016 - 510 W HASTINGS STREET
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Finalized Date: 11- SEP- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13158783

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
Q006795		5.2	387	30.1	
Q006796		9.0	996	34.0	
Q006797		16.4	2400	111.0	
Q006798		15.1	1210	76.0	
Q006799		16.1	1460	32.4	
Q006800		7.0	401	30.6	
Q006801		0.7	17	0.5	
Q006802		4.9	287	34.4	
Q006803		4.8	187	30.2	115
Q006804		7.3	519	26.1	
Q006805		8.7	618	27.6	
Q006806		20.0	434	34.9	
Q006807		16.8	1170	32.8	
Q006808		11.4	2390	31.9	
Q006809		11.3	957	30.6	
Q006810		6.3	221	85.0	
Q006811		7.0	292	123.0	
Q006812		5.7	728	39.7	
Q006813		7.7	670	32.8	
Q006814		6.6	523	32.9	
Q006815		8.2	758	29.7	
Q006816		11.2	756	34.3	
Q006817		14.0	532	27.5	
Q006818		13.5	542	26.5	
Q006819		13.0	1250	26.2	
Q006820		9.0	1620	25.5	
Q006821		5.4	603	32.5	
Q006822		0.8	20	<0.5	
Q006823		11.5	850	126.0	
Q006824		16.1	1220	143.5	
Q006825		9.8	990	85.9	
Q006826		11.5	845	32.6	
Q006827		11.2	946	91.1	
Q006828		14.4	1750	92.6	
Q006829		13.5	528	37.9	
Q006830		15.2	377	32.0	

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Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13158783

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method:	REE's may not be totally soluble in this method. ME- MS61
Applies to Method:	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL) ME- MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag- OG62	FND- 02	ME- MS61	ME- OG62

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-SEP-2013
Account: ROCKHA

CERTIFICATE WH13160028

Project: Klaza

P.O. No.: Batch 1

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 3-SEP-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70%<2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

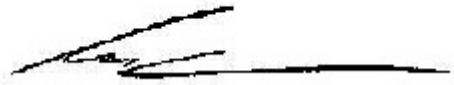
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH13160028

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
M898301		0.84	0.152		2.64	8.46	492	1100	1.68	1.95	0.46	17.40	85.6	8.0	19	7.51
M898302		5.06	9.91		85.7	4.09	5480	1040	1.20	102.0	1.73	77.4	35.8	4.3	13	10.00
M898303		3.42	1.205		17.90	7.48	962	1430	1.57	14.35	0.86	10.60	70.9	7.9	21	7.34
M898304		8.79	>10.0	26.1	>100	3.00	>10000	740	0.63	328	0.24	92.9	37.6	1.0	9	5.00
M898305		3.62	0.144		3.18	7.86	490	2200	1.59	1.92	1.11	15.50	57.4	10.0	12	10.60
M898306		3.21	0.310		4.74	7.00	796	2550	1.40	2.19	0.64	21.6	36.7	8.7	13	13.40
M898307		5.09	<0.005		0.13	0.05	8	30	<0.05	0.20	20.7	0.11	1.03	0.7	2	0.15
M898308		1.66	0.034		0.85	7.80	172.5	2210	1.63	0.43	1.68	4.78	51.9	9.0	11	11.10
M898309		3.54	0.098		2.11	8.27	372	2490	1.64	1.64	1.69	3.88	50.1	8.9	11	15.60
M898310		4.35	0.123		2.85	8.51	840	940	1.69	1.58	0.30	8.60	50.7	9.1	11	16.85
M898311		4.32	1.010		23.0	6.99	1960	1650	2.17	11.95	0.54	35.7	55.8	7.7	18	23.1
M898312		7.39	0.102		4.40	7.92	530	1550	2.06	1.15	0.31	10.35	70.8	7.7	20	20.2
M898313		8.16	0.040		1.49	7.71	368	1860	1.78	0.42	0.48	8.31	75.0	5.5	19	17.85
M898314		3.19	0.175		13.45	8.94	881	1300	2.26	1.48	0.63	14.85	86.9	12.0	40	38.2
M898315		6.77	>10.0	31.2	>100	3.28	>10000	770	0.83	320	0.19	99.9	42.7	2.8	13	12.60
M898316		1.20	0.221		9.29	8.15	841	1260	1.93	2.67	0.21	17.85	59.6	12.0	13	17.05
M898317		0.23	1.785		40.6	5.88	2600	800	1.17	35.9	1.71	46.0	37.8	17.3	23	10.50
M898318		2.39	0.627		7.67	6.96	655	860	1.51	4.62	0.12	13.45	48.4	9.7	12	17.55
M898319		5.07	0.032		1.43	7.82	129.5	2020	1.32	0.73	1.63	3.37	53.0	8.4	12	14.95
M898320		5.43	<0.005		0.33	7.81	11.2	2220	1.60	0.26	2.78	0.27	53.3	8.7	15	7.54
M898321		2.21	0.005		0.31	7.56	20.2	2020	1.76	0.35	2.35	1.25	49.4	11.4	22	7.61
M898322		<0.02	<0.005		0.32	7.38	20.2	2000	1.65	0.35	2.30	1.25	46.6	11.4	22	7.53
M898323		2.01	0.087		4.05	8.01	457	1600	1.43	1.00	0.45	7.34	55.3	8.2	15	17.50
M898324		5.31	>10.0	11.50	>100	4.01	>10000	530	1.28	1.91	0.23	187.5	25.4	6.6	13	14.55
M898326		5.95	0.141		4.73	6.96	244	1550	1.67	1.97	1.31	7.46	61.9	5.6	17	4.71
M898327		4.98	0.091		5.41	7.40	577	6270	1.61	0.87	0.63	14.70	60.5	10.6	13	16.45
M898328		1.31	0.077		2.53	7.95	606	2250	1.68	3.27	0.27	7.93	40.9	8.9	14	21.6
M898329		6.87	>10.0	34.7	>100	4.95	5240	1020	0.81	171.0	0.17	24.2	44.1	1.6	9	23.5
M898330		5.86	<0.005		0.23	0.05	5	40	0.07	0.21	20.9	0.10	1.06	0.6	2	0.17
M898331		1.02	0.125		0.93	8.16	96.7	2160	1.69	0.69	0.33	6.11	56.0	14.4	13	33.4
M898332		3.54	0.226		2.54	7.51	260	1810	1.41	1.42	0.27	7.51	51.4	10.5	14	25.5
M898333		0.23	1.720		38.9	5.64	2540	800	1.27	35.2	1.65	43.2	37.4	16.3	24	9.84
M898334		2.02	0.011		0.34	7.87	31.2	2280	1.57	1.10	1.35	1.08	55.5	7.9	16	15.10
M898335		2.04	0.154		2.98	7.77	603	1930	1.38	4.22	0.18	3.83	56.5	8.6	14	14.75
M898336		3.45	1.350		5.87	7.84	930	2030	1.78	5.75	0.36	9.08	59.2	10.5	18	22.2
M898337		4.89	0.125		1.13	7.00	300	1010	1.40	1.07	1.25	10.05	59.6	6.6	17	8.55

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VANCOUVER BC V6B 1L8

Finalized Date: 26- SEP- 2013
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH13160028

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
M898301		330	3.26	19.95	0.13	2.8	0.086	0.79	41.9	104.0	0.12	3290	2.21	0.25	13.5	6.2
M898302		863	4.73	10.25	0.07	1.2	1.295	1.13	21.1	32.9	0.54	4340	10.80	0.12	5.1	3.3
M898303		211	3.53	18.55	0.14	2.4	0.247	1.01	36.5	84.4	0.36	3210	2.64	0.59	11.1	5.4
M898304		978	6.69	13.05	0.12	0.6	7.06	1.22	24.1	14.5	0.13	22800	5.91	0.07	2.9	1.7
M898305		554	3.63	18.90	0.15	1.4	0.159	2.76	24.8	14.9	0.75	4700	1.45	1.40	8.4	4.3
M898306		139.0	3.60	17.80	0.13	1.3	0.124	3.17	17.1	19.7	0.44	4010	2.26	0.63	7.8	4.0
M898307		2.3	0.47	0.20	0.16	<0.1	0.008	0.02	0.5	<0.2	12.70	208	0.09	<0.01	0.1	1.6
M898308		68.4	3.59	17.15	0.20	1.3	0.072	2.77	23.2	14.7	0.84	1240	1.40	1.76	8.5	3.7
M898309		63.4	3.51	17.55	0.20	1.3	0.061	2.75	22.8	15.6	0.58	970	0.86	2.06	8.1	4.2
M898310		137.5	3.58	19.30	0.13	1.4	0.068	1.94	21.8	123.5	0.14	1560	1.14	0.05	8.8	4.7
M898311		317	3.65	18.25	0.16	2.7	0.216	2.41	28.6	62.6	0.21	4550	3.63	0.05	9.0	6.6
M898312		99.1	2.92	20.5	0.18	3.6	0.088	1.71	36.2	79.3	0.15	2520	5.14	0.04	11.5	7.1
M898313		89.4	2.72	19.05	0.15	2.8	0.041	1.38	38.4	95.4	0.09	1620	3.05	0.04	11.8	5.0
M898314		484	4.07	22.8	0.22	4.9	0.093	2.45	43.9	163.5	0.18	3240	2.03	0.08	13.4	13.2
M898315		2760	10.60	9.93	0.14	1.0	10.20	1.14	24.9	28.6	0.09	1340	7.04	0.04	3.6	3.2
M898316		724	5.05	19.45	0.14	1.2	0.303	3.48	33.4	23.2	0.24	5580	1.94	0.04	8.1	4.8
M898317		1260	9.54	15.20	0.15	0.8	1.580	2.66	18.8	16.1	0.70	2410	18.55	0.06	5.0	14.3
M898318		769	8.00	19.30	0.14	1.0	0.696	2.67	26.2	35.0	0.20	3880	3.51	0.03	6.0	4.2
M898319		36.1	3.60	17.60	0.14	1.3	0.072	2.62	26.9	33.3	0.45	865	1.21	1.43	8.2	3.5
M898320		11.8	3.41	18.30	0.17	1.4	0.041	2.57	25.1	9.6	0.89	727	1.04	2.40	8.6	3.3
M898321		15.9	3.94	18.65	0.17	1.3	0.062	2.28	20.7	8.1	1.07	1270	1.08	2.28	9.2	7.1
M898322		15.6	3.94	18.05	0.15	1.3	0.069	2.26	19.4	7.8	1.06	1260	1.69	2.27	9.0	6.7
M898323		25.9	3.40	18.00	0.15	1.2	0.066	2.37	27.5	34.3	0.20	1940	1.68	0.31	8.4	4.6
M898324		684	8.80	14.25	0.12	0.8	0.475	1.51	19.5	20.6	0.16	13200	20.7	0.06	3.8	5.0
M898326		23.8	2.55	17.75	0.14	2.5	0.079	0.22	28.9	128.5	0.16	1680	3.26	0.03	11.5	4.0
M898327		114.0	3.26	17.45	0.12	1.6	0.071	2.53	31.7	42.8	0.22	2540	2.19	0.36	8.3	3.8
M898328		496	4.56	17.75	0.14	1.3	0.140	3.23	24.2	30.3	0.25	3400	4.13	0.18	7.9	4.8
M898329		1530	7.21	12.85	0.11	0.8	8.30	2.26	23.3	18.3	0.17	212	147.0	0.03	4.9	1.1
M898330		3.2	0.49	0.18	0.17	<0.1	0.012	0.02	0.5	<0.2	12.80	213	0.21	0.01	0.1	1.5
M898331		157.0	3.82	17.55	0.22	1.3	0.059	2.34	30.2	73.6	0.17	3150	4.62	0.06	7.9	4.1
M898332		150.0	3.57	16.35	0.16	1.2	0.140	2.02	27.0	80.1	0.14	2970	6.61	0.07	7.6	3.9
M898333		1220	9.17	13.85	0.15	0.9	1.530	2.57	17.3	15.3	0.67	2320	17.40	0.06	4.5	13.7
M898334		21.5	3.36	17.60	0.17	1.3	0.068	3.02	29.1	21.1	0.45	865	0.91	1.00	8.1	3.3
M898335		193.0	4.94	18.55	0.17	1.2	0.288	3.32	28.2	17.9	0.30	761	1.38	0.05	7.8	3.0
M898336		201	5.08	18.80	0.16	1.8	0.408	2.97	32.5	28.5	0.26	1520	2.37	0.10	8.8	5.0
M898337		70.3	2.72	18.80	0.14	2.6	0.044	0.79	28.5	134.5	0.17	2060	2.13	0.07	11.5	5.1

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M898301		980	198.0	38.9	<0.002	0.02	22.3	8.0	1	1.7	246	0.84	<0.05	13.2	0.309	0.79
M898302		350	5050	69.0	0.002	0.70	451	5.6	1	6.0	230	0.37	0.37	6.0	0.155	1.15
M898303		840	1440	49.9	<0.002	0.06	96.9	9.4	1	3.7	313	0.78	0.06	11.8	0.290	0.90
M898304		250	>10000	65.0	0.002	1.05	3830	4.5	1	30.8	170.5	0.26	1.31	5.2	0.103	1.40
M898305		710	245	130.0	<0.002	0.01	29.4	12.1	1	2.1	228	0.66	<0.05	13.8	0.285	1.43
M898306		620	300	157.0	<0.002	0.04	54.0	11.0	1	2.6	128.5	0.64	<0.05	10.6	0.265	1.91
M898307		190	8.4	1.0	<0.002	<0.01	1.04	0.2	<1	<0.2	43.7	<0.05	<0.05	<0.2	<0.005	<0.02
M898308		680	45.6	129.5	<0.002	0.01	8.18	11.8	1	2.0	294	0.66	<0.05	13.4	0.287	1.36
M898309		680	115.0	118.5	<0.002	0.01	9.32	11.2	1	2.0	368	0.60	<0.05	13.8	0.291	1.35
M898310		710	135.0	101.5	<0.002	0.02	18.55	12.0	1	2.4	73.5	0.65	<0.05	15.2	0.292	1.75
M898311		870	990	148.0	<0.002	0.07	74.6	8.3	1	2.4	261	0.63	0.09	10.3	0.263	2.81
M898312		1050	294	95.5	<0.002	0.05	56.1	7.0	2	1.6	501	0.79	<0.05	11.3	0.297	2.14
M898313		940	71.0	59.6	<0.002	0.04	26.1	6.2	1	1.5	186.5	0.81	<0.05	11.6	0.265	1.38
M898314		1890	557	115.5	<0.002	0.02	39.9	8.4	1	1.6	487	0.87	<0.05	10.8	0.486	2.47
M898315		470	>10000	58.8	<0.002	2.09	3530	4.5	2	47.2	248	0.27	1.42	6.3	0.131	1.36
M898316		630	623	201	<0.002	0.07	27.5	13.0	1	4.2	35.8	0.60	<0.05	14.1	0.278	2.92
M898317		460	1740	156.0	0.004	8.08	115.0	8.2	2	11.5	64.9	0.39	1.16	9.1	0.167	2.29
M898318		470	971	159.0	<0.002	0.08	30.4	11.2	1	4.8	25.7	0.43	0.06	11.5	0.215	2.00
M898319		640	111.0	116.5	<0.002	0.05	6.93	11.4	1	2.5	264	0.63	<0.05	13.4	0.280	1.29
M898320		660	42.6	101.5	<0.002	<0.01	1.85	12.0	1	1.8	416	0.69	<0.05	13.4	0.286	0.91
M898321		850	34.8	90.1	<0.002	0.01	3.43	15.4	1	2.3	331	0.69	<0.05	10.0	0.343	1.04
M898322		830	36.6	85.3	0.003	0.01	3.51	15.0	<1	2.2	328	0.66	<0.05	9.5	0.337	1.00
M898323		670	202	123.0	<0.002	0.03	28.4	11.7	1	2.1	93.1	0.68	<0.05	13.7	0.281	1.56
M898324		350	>10000	96.1	0.002	2.60	1140	7.6	2	55.1	141.5	0.33	0.05	7.0	0.131	1.70
M898326		870	176.0	9.5	0.002	0.06	23.8	5.7	1	1.7	348	0.76	<0.05	9.6	0.248	0.31
M898327		690	142.5	140.5	<0.002	0.15	30.9	10.3	1	1.7	167.0	0.63	<0.05	12.2	0.257	1.91
M898328		560	122.5	163.5	<0.002	0.08	23.2	11.9	1	1.8	79.3	0.64	<0.05	15.0	0.261	2.19
M898329		300	>10000	137.0	<0.002	1.02	1480	7.6	1	10.1	219	0.41	1.30	7.5	0.176	1.90
M898330		170	14.4	1.0	<0.002	<0.01	1.69	0.2	<1	<0.2	46.3	<0.05	<0.05	<0.2	<0.005	<0.02
M898331		680	51.7	112.5	0.002	0.03	26.2	12.0	1	2.1	78.4	0.61	<0.05	13.2	0.283	1.70
M898332		630	169.5	106.5	<0.002	0.05	50.1	11.9	2	2.0	90.3	0.57	0.05	12.4	0.270	1.58
M898333		450	1650	142.5	<0.002	7.77	108.5	7.6	2	10.9	59.7	0.37	0.73	9.2	0.160	2.21
M898334		630	21.8	134.5	<0.002	0.02	6.77	11.6	1	1.8	171.5	0.67	<0.05	14.2	0.279	1.50
M898335		600	81.1	178.0	<0.002	0.17	27.0	11.5	1	4.8	25.5	0.62	<0.05	14.2	0.269	2.01
M898336		740	213	164.0	<0.002	0.22	53.1	10.5	1	4.0	168.0	0.69	<0.05	12.6	0.284	2.25
M898337		870	101.0	28.2	<0.002	0.04	15.80	5.9	1	1.5	361	0.76	<0.05	9.3	0.261	0.94

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26- SEP- 2013
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH13160028

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62	Ag-GRA21
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb	Zn	Ag
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	5
M898301		6.6	65	3.3	17.2	2450	97.6				
M898302		10.8	43	4.0	12.9	5600	44.4				
M898303		6.0	70	5.6	17.8	1730	78.1				
M898304		7.8	32	6.1	11.5	1560	14.5	574	4.92		
M898305		2.3	85	3.5	16.7	2110	33.9				
M898306		2.4	81	6.5	13.1	1650	31.0				
M898307		0.5	2	0.1	0.7	16	<0.5				
M898308		1.8	86	1.7	15.8	1030	32.7				
M898309		2.2	83	1.6	13.6	995	33.5				
M898310		3.9	88	8.9	12.8	1450	35.1				
M898311		8.0	65	4.2	18.2	2370	101.5				
M898312		9.3	63	5.5	15.0	1530	135.5				
M898313		6.2	55	3.8	13.7	951	94.4				
M898314		5.5	95	4.2	18.2	1670	197.0				
M898315		16.3	36	2.7	10.2	2190	36.2	1030	14.20		
M898316		6.5	84	4.8	21.4	2570	33.1				
M898317		5.7	59	7.2	9.5	3310	24.6				
M898318		9.0	91	8.3	19.2	2610	29.3				
M898319		2.3	83	3.3	16.0	301	30.3				
M898320		2.1	83	2.7	18.0	77	33.3				
M898321		1.6	115	3.2	18.6	238	28.9				
M898322		1.6	113	2.7	17.4	234	28.4				
M898323		3.2	82	3.6	15.6	586	32.2				
M898324		9.1	47	3.4	24.7	>10000	21.5	>1500	4.56	1.460	1680
M898326		5.4	49	6.5	12.3	823	86.5				
M898327		3.9	72	3.1	15.4	1560	47.8				
M898328		6.3	75	2.6	19.5	1810	33.5				
M898329		9.0	55	4.9	4.5	849	20.8	160	1.105		
M898330		0.5	1	0.1	0.7	17	<0.5				
M898331		4.7	86	4.3	22.4	2040	30.4				
M898332		8.6	77	4.8	18.3	1780	28.3				
M898333		5.5	57	7.0	8.7	3180	23.0				
M898334		3.0	79	2.3	17.9	286	31.8				
M898335		3.5	78	7.8	14.7	553	30.9				
M898336		5.0	77	5.7	16.0	833	57.2				
M898337		4.8	53	4.8	13.6	1210	88.4				

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26- SEP- 2013
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH13160028

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 22d
	LOG- 23	PUL- 31	PUL- 31d	PUL- QC
	SPL- 21	SPL- 21d	WEI- 21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag- GRA21	Ag- OG62	Au- AA24	Au- GRA22
	ME- MS61	ME- OG62	Pb- OG62	Zn- OG62

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Finalized Date: 19-SEP-2013
Account: ROCKHA

CERTIFICATE WH13160029

Project: Klaza

P.O. No.: Batch 2

This report is for 33 Rock samples submitted to our lab in Whitehorse, YT, Canada on 3-SEP-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70%<2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 19- SEP- 2013
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH13160029

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
M898338		1.46	0.237		3.44	7.03	1675	1050	2.02	1.59	1.94	17.85	50.7	8.1	13	20.1
M898339		4.02	0.026		0.51	6.02	437	970	2.08	0.33	2.20	7.64	45.8	5.0	13	23.7
M898340		4.84	2.42		31.3	5.55	4400	1150	1.34	38.6	0.61	32.1	41.3	11.5	10	16.00
M898341		1.32	0.081		1.35	7.86	1540	2120	1.44	1.61	1.41	12.80	38.6	10.7	9	19.35
M898342		6.61	0.005		0.10	0.07	6	40	0.06	0.09	19.80	0.14	1.19	1.4	1	0.33
M898343		3.43	0.012		0.23	8.39	530	2120	1.35	0.22	1.11	3.69	51.4	9.4	8	27.3
M898344		2.42	0.019		0.38	8.05	24.4	2300	1.55	0.23	1.41	1.99	51.6	11.6	9	24.1
M898345		3.55	0.894		15.15	5.75	2010	2160	0.97	15.65	0.19	8.14	41.9	29.9	8	14.75
M898346		3.90	1.735		6.43	6.52	5510	2090	1.49	1.19	0.32	30.8	47.3	16.2	8	17.35
M898347		4.87	>10.0	14.40	>100	5.16	9990	1490	1.29	94.6	0.17	29.9	41.5	4.3	16	11.90
M898348		4.21	0.384		12.75	7.63	713	1360	1.89	8.21	0.88	63.8	68.2	12.9	15	33.9
M898349		0.21	1.680		39.6	5.67	2520	220	1.16	39.1	1.65	42.9	34.6	16.7	21	11.50
M898350		2.94	0.046		2.37	8.13	225	2250	1.47	0.66	1.44	12.05	56.1	10.3	14	12.50
M898351		3.05	0.078		48.3	8.26	846	2100	1.64	0.80	0.30	67.2	64.3	8.6	11	21.1
M898352		4.71	0.041		2.20	8.48	261	2280	1.50	0.63	0.26	33.2	57.1	9.8	12	20.9
M898353		5.92	0.014		0.63	8.54	81.2	2110	1.48	0.29	0.48	14.80	58.3	10.1	11	18.05
M898354		5.17	0.273		>100	4.79	4940	710	1.21	5.17	0.19	313	52.7	10.2	6	10.85
M898355		6.46	<0.005		0.10	0.08	<5	30	0.06	0.03	19.80	0.21	1.45	1.4	1	0.27
M898356		5.55	0.023		2.77	7.42	712	1880	1.48	0.54	1.27	18.95	48.7	9.2	13	17.25
M898357		2.65	0.033		1.18	7.83	258	2240	1.58	0.48	0.96	19.95	55.1	11.4	10	18.50
M898358		5.22	0.037		1.13	7.54	141.5	2240	1.59	0.48	1.24	12.00	50.5	10.8	10	20.3
M898359		<0.02	0.024		1.18	7.91	146.0	2300	1.57	0.58	1.30	12.60	53.6	10.6	10	21.3
M898360		2.29	0.088		4.46	8.07	315	3270	1.71	1.01	0.30	21.0	58.7	10.4	10	27.6
M898361		4.61	0.049		1.37	8.11	183.0	2390	1.67	1.20	1.08	9.98	55.0	10.4	8	23.2
M898362		5.56	0.795		29.6	4.37	1840	400	0.63	49.0	0.29	1.16	49.3	1.5	13	22.1
M898363		4.19	0.064		2.13	8.09	158.0	2060	2.39	2.29	0.31	12.30	72.1	9.8	19	25.9
M898364		0.24	1.675		39.1	5.79	2440	660	1.07	37.1	1.60	42.3	37.9	15.7	20	11.30
M898365		7.57	0.015		0.64	8.51	56.8	1350	2.07	0.39	0.39	3.65	76.6	6.5	15	36.0
M898366		3.30	0.133		3.13	6.79	596	1690	1.47	0.29	1.60	20.0	36.5	7.4	7	21.8
M898367		4.44	0.210		7.92	6.20	554	3390	1.60	3.57	2.15	22.8	44.7	7.2	9	24.0
M898368		3.06	0.014		0.39	8.37	96.1	2400	1.61	0.39	0.81	7.36	59.9	9.8	11	24.3
M898369		4.53	0.009		0.52	7.95	84.2	2590	1.63	0.29	1.13	7.02	55.1	9.2	8	19.20
M898370		0.64	0.050		2.32	4.91	120.5	980	1.24	0.49	0.12	2.30	27.1	9.1	6	7.44

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 19- SEP- 2013
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH13160029

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
M898338		122.0	3.93	18.60	0.13	3.1	0.075	2.10	25.4	59.5	0.35	2640	5.11	0.09	10.2	6.0
M898339		57.9	2.48	18.95	0.19	3.4	0.032	2.66	20.9	31.2	0.31	1360	1.22	0.04	10.0	4.3
M898340		539	6.06	13.15	0.17	1.3	1.015	2.34	23.1	17.9	0.21	1040	6.33	0.03	5.9	3.1
M898341		173.5	3.83	17.45	0.18	1.3	0.103	2.03	19.0	91.4	0.16	1480	2.29	0.06	9.0	4.0
M898342		2.8	0.47	0.36	0.28	<0.1	0.007	0.03	0.6	1.2	12.70	203	0.07	<0.01	0.4	2.6
M898343		105.0	3.45	17.95	0.22	1.2	0.064	2.68	26.3	27.7	0.38	1580	2.24	1.08	9.1	3.4
M898344		14.6	3.18	17.45	0.24	1.1	0.044	2.95	27.8	21.5	0.47	1120	2.05	1.78	8.5	3.3
M898345		148.0	8.04	13.45	0.20	0.9	0.784	2.72	23.7	24.4	0.20	3680	4.17	0.04	5.7	2.2
M898346		608	4.75	14.30	0.17	1.1	0.397	2.88	26.4	34.0	0.22	4530	1.43	0.03	6.7	2.5
M898347		1375	5.28	13.00	0.18	1.7	2.21	1.98	22.9	35.8	0.14	810	4.64	0.02	6.5	3.9
M898348		932	3.59	18.50	0.16	2.6	0.404	2.55	35.5	46.1	0.19	3560	2.35	0.06	11.6	4.9
M898349		1160	9.03	13.20	0.20	0.9	1.675	2.63	17.0	19.2	0.68	2330	18.00	0.06	5.2	14.9
M898350		47.3	3.59	18.35	0.23	1.2	0.111	3.05	29.0	16.0	0.59	1660	1.06	1.75	9.1	6.1
M898351		88.1	5.11	18.85	0.22	1.1	1.170	3.89	39.1	32.1	0.23	10350	1.26	0.21	8.6	4.6
M898352		46.8	4.98	17.60	0.22	1.2	0.224	4.18	33.7	17.9	0.23	4630	1.01	0.14	8.7	4.6
M898353		17.7	3.97	19.05	0.24	1.2	0.085	3.15	30.9	32.8	0.21	1860	0.86	0.26	9.6	3.9
M898354		484	11.25	13.45	0.27	0.7	2.17	2.05	25.8	19.6	0.13	59200	0.99	0.05	4.6	2.1
M898355		1.5	0.48	0.37	0.21	<0.1	0.007	0.03	0.7	1.2	12.65	237	0.08	0.01	0.4	2.2
M898356		28.0	3.71	17.00	0.18	1.1	0.094	3.16	25.3	14.8	0.36	7080	0.74	0.91	7.9	4.3
M898357		52.0	3.92	16.75	0.22	1.2	0.088	3.37	30.4	15.9	0.41	2540	0.75	1.05	8.3	4.2
M898358		38.2	3.55	17.05	0.23	1.2	0.077	3.35	27.7	19.3	0.31	2290	0.77	0.84	8.3	4.1
M898359		38.8	3.72	17.85	0.23	1.2	0.082	3.61	29.2	19.7	0.32	2360	0.74	0.87	8.5	3.7
M898360		55.8	3.99	17.95	0.22	1.1	0.132	3.52	36.9	33.0	0.20	3780	1.10	0.12	8.0	3.8
M898361		47.6	3.46	18.40	0.24	1.1	0.068	2.99	29.4	23.2	0.31	1440	0.88	1.24	8.6	3.6
M898362		187.5	9.90	15.00	0.24	2.5	2.28	2.07	25.2	39.7	0.15	84	9.56	0.05	8.1	2.0
M898363		36.5	3.00	21.1	0.20	3.5	0.064	2.76	38.2	72.8	0.23	1660	2.40	0.06	12.4	8.0
M898364		1150	8.70	13.70	0.23	0.9	1.690	2.61	19.3	17.6	0.67	2260	18.60	0.06	5.1	14.4
M898365		10.0	2.93	21.1	0.22	2.7	0.055	3.03	40.6	54.0	0.16	1220	1.75	0.05	13.2	4.2
M898366		24.8	3.90	16.80	0.19	1.1	0.165	2.77	21.1	32.6	0.52	6120	1.88	0.04	7.8	3.7
M898367		58.9	3.96	14.75	0.22	1.0	0.246	2.40	27.3	25.9	0.58	3030	1.57	0.21	6.8	3.6
M898368		17.6	3.72	19.10	0.26	1.4	0.072	3.40	33.7	40.7	0.37	1470	1.26	1.06	9.6	4.6
M898369		26.2	3.41	18.25	0.25	1.2	0.093	3.21	31.0	35.7	0.40	1660	0.99	1.20	8.9	3.8
M898370		18.0	5.54	12.60	0.18	0.9	0.092	2.17	18.0	17.9	0.19	6650	1.91	0.04	5.4	5.1

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- SEP- 2013
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH13160029

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M898338		1010	225	95.1	<0.002	0.08	40.0	7.2	1	1.6	288	0.68	<0.05	8.5	0.287	2.59
M898339		990	31.9	117.5	<0.002	0.02	15.90	6.3	1	1.4	254	0.68	<0.05	7.5	0.288	3.11
M898340		550	1820	138.0	<0.002	1.07	114.5	7.5	1	5.0	57.2	0.47	0.63	9.2	0.189	2.17
M898341		690	93.3	90.3	<0.002	0.07	21.5	12.0	2	1.7	100.0	0.70	0.06	11.0	0.299	1.59
M898342		160	7.5	1.8	<0.002	<0.01	0.30	0.2	1	2.6	47.8	<0.05	<0.05	<0.2	<0.005	<0.02
M898343		710	22.5	121.5	<0.002	0.01	10.30	12.8	1	2.2	200	0.68	<0.05	14.6	0.307	1.50
M898344		660	27.9	130.0	<0.002	0.01	6.32	12.4	2	1.5	269	0.68	<0.05	13.4	0.290	1.63
M898345		460	2670	177.5	<0.002	0.80	60.6	8.0	2	4.5	62.5	0.49	0.91	9.7	0.197	2.58
M898346		510	314	194.0	<0.002	0.26	48.9	10.1	1	3.4	73.6	0.57	0.07	11.8	0.226	2.90
M898347		710	>10000	123.5	<0.002	1.44	1260	8.6	2	19.4	179.5	0.49	0.60	5.2	0.241	2.07
M898348		970	1220	115.0	<0.002	0.14	50.9	7.3	2	2.0	244	0.80	0.06	10.1	0.285	2.35
M898349		460	1610	130.5	0.002	8.04	110.0	7.6	2	10.5	60.1	0.44	0.93	8.0	0.171	2.25
M898350		680	485	155.0	<0.002	0.03	24.1	12.2	2	1.9	280	0.69	<0.05	12.3	0.297	1.67
M898351		660	>10000	232	<0.002	0.39	602	12.9	2	4.8	74.7	0.66	0.06	13.8	0.277	3.06
M898352		720	664	248	<0.002	0.05	42.2	12.5	2	2.4	66.4	0.72	<0.05	15.0	0.277	3.49
M898353		720	94.4	161.5	<0.002	0.07	19.40	13.3	2	1.8	80.1	0.78	<0.05	15.3	0.300	1.94
M898354		360	>10000	114.0	<0.002	2.82	847	6.7	3	13.2	76.0	0.38	0.17	8.7	0.146	1.90
M898355		170	15.1	1.6	<0.002	0.01	0.75	0.2	1	0.2	50.0	<0.05	<0.05	<0.2	<0.005	<0.02
M898356		590	358	171.0	<0.002	0.10	29.5	10.6	1	2.0	174.5	0.63	<0.05	12.1	0.260	2.33
M898357		610	122.5	176.5	<0.002	0.03	10.65	11.6	2	1.8	179.0	0.70	<0.05	14.2	0.260	2.28
M898358		590	82.3	171.5	<0.002	0.06	9.99	11.4	2	2.0	162.0	0.70	<0.05	13.2	0.252	2.43
M898359		610	84.6	184.0	<0.002	0.07	10.30	11.5	2	1.7	168.5	0.73	<0.05	13.8	0.262	2.60
M898360		610	481	192.0	<0.002	0.14	19.90	11.9	2	1.9	87.9	0.64	0.05	13.7	0.256	3.08
M898361		650	130.5	147.0	<0.002	0.05	11.55	11.9	2	1.9	211	0.65	0.05	13.3	0.264	1.84
M898362		750	1380	120.0	<0.002	3.04	85.6	3.7	1	3.3	709	0.57	4.56	7.3	0.237	2.52
M898363		1190	193.0	159.5	<0.002	0.06	20.0	8.1	2	1.5	676	0.83	0.07	10.9	0.328	3.48
M898364		440	1540	141.0	0.002	7.88	105.0	7.7	2	10.3	60.3	0.44	0.90	8.7	0.171	2.26
M898365		1000	85.0	139.5	<0.002	0.03	11.80	7.8	1	1.5	189.5	0.88	<0.05	12.1	0.285	2.42
M898366		580	241	160.0	<0.002	0.26	19.30	10.4	1	2.5	94.1	0.62	<0.05	10.7	0.234	2.91
M898367		480	585	143.5	<0.002	0.75	27.2	9.2	1	2.6	138.5	0.53	0.10	11.5	0.206	2.33
M898368		640	69.0	171.5	<0.002	0.02	7.29	12.3	2	1.7	182.0	0.86	<0.05	15.8	0.282	2.03
M898369		620	65.3	171.5	<0.002	0.05	7.17	12.5	2	1.8	207	0.76	<0.05	14.6	0.259	2.09
M898370		370	443	117.0	<0.002	0.02	45.9	6.5	1	1.3	34.9	0.43	<0.05	8.6	0.161	1.69

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- SEP- 2013
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH13160029

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001
M898338		6.3	63	4.9	16.1	2310	123.0			
M898339		3.8	61	3.0	11.9	1480	135.5			
M898340		6.4	55	4.9	11.4	2410	40.2			
M898341		3.8	86	4.2	14.6	1840	33.9			
M898342		0.7	2	0.1	0.8	24	<0.5			
M898343		2.2	83	2.8	16.4	1340	28.7			
M898344		2.1	82	2.7	17.8	387	29.7			
M898345		3.7	65	7.7	9.9	1220	22.6			
M898346		7.3	68	5.7	15.6	1680	27.8			
M898347		5.1	56	4.5	8.1	1640	60.1	729	6.54	
M898348		6.4	58	2.6	14.5	2020	93.3			
M898349		5.2	57	7.6	8.6	3340	22.9			
M898350		2.7	79	1.9	17.2	998	33.9			
M898351		4.4	77	3.9	19.3	5450	27.9		1.520	
M898352		4.5	79	4.7	20.0	2220	28.3			
M898353		3.5	82	9.8	19.7	1600	29.2			
M898354		3.1	43	4.0	17.2	>10000	16.5	117	2.54	2.55
M898355		0.5	2	0.1	0.8	30	0.5			
M898356		3.0	72	3.3	15.9	2360	28.2			
M898357		3.0	73	2.5	18.7	1400	31.7			
M898358		2.8	73	2.4	17.7	877	29.4			
M898359		2.7	75	2.6	18.4	905	29.5			
M898360		3.4	72	3.3	21.0	1600	29.5			
M898361		2.8	73	1.9	18.1	846	28.4			
M898362		4.7	50	4.2	6.2	333	93.3			
M898363		6.6	67	3.3	15.5	946	137.5			
M898364		5.2	56	7.3	8.7	3220	22.8			
M898365		5.5	56	2.6	16.5	407	95.6			
M898366		3.9	66	6.4	16.7	857	28.1			
M898367		4.0	56	4.8	16.1	1060	29.7			
M898368		3.8	76	2.7	19.7	607	35.0			
M898369		3.0	70	2.6	18.7	547	30.7			
M898370		10.6	55	2.1	17.1	726	28.4			

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19- SEP- 2013
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH13160029

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

Applies to Method: Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 22	LOG- 22d
LOG- 23	PUL- 31	PUL- 31d	PUL- QC
SPL- 21	SPL- 21d	WEI- 21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- OG62	Au- AA24	Au- GRA22	ME- MS61
ME- OG62	Pb- OG62	Zn- OG62	

ALS Canada Ltd.

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- SEP- 2013
This copy reported on 18- SEP- 2013
Account: ROCKHA

CERTIFICATE WH13162308

Project: KLAZA

P.O. No.: Batch 48

This report is for 21 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6- SEP- 2013.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 25	Wt. of Crushed Reject
FND- 03	Find Reject for Addn Analysis
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13142559**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- SEP- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13162308

Sample Description	Method	WEI-25	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Reject W	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
Q006728		5.60	2.66	8.19	549	1800	1.70	1.72	1.13	8.41	50.2	6.3	14	12.50	108.0	3.22
Q006729		6.56	5.24	7.59	1190	1230	1.64	2.26	0.20	27.2	42.6	8.3	12	14.85	260	5.59
Q006730		6.69	7.77	7.95	1485	2150	1.52	2.50	0.21	29.7	46.5	9.4	10	13.15	483	5.22
Q006743		3.38	0.92	8.55	445	1800	1.67	0.31	0.25	5.35	57.1	7.4	13	17.00	19.2	4.47
Q006744		4.48	1.23	6.14	430	1730	1.51	1.44	2.21	5.86	32.3	7.2	7	38.5	12.9	3.74
Q006745		3.19	0.61	8.57	173.0	2420	1.51	0.68	1.07	1.76	51.7	7.9	10	11.75	15.4	3.41
Q006831		5.99	1.71	8.89	95.4	2060	2.08	0.71	1.12	9.89	62.6	9.9	29	25.7	42.0	3.80
Q006832		5.28	3.16	8.65	265	2050	1.87	1.46	0.52	10.85	52.0	9.1	12	28.6	47.1	3.63
Q006833		5.24	5.39	8.22	296	2200	1.77	2.52	1.10	14.35	54.4	6.8	15	8.97	81.9	3.56
Q006835		5.81	6.21	8.48	718	1610	1.76	1.35	0.38	17.05	52.0	8.8	11	19.05	606	5.21
Q006838		5.76	1.79	7.43	122.0	1660	1.69	0.75	1.54	39.8	43.0	7.0	17	11.30	110.5	3.06
Q006839		4.50	3.88	8.02	180.0	1740	1.81	1.56	1.18	26.7	60.9	10.8	16	8.33	73.9	3.22
Q006841		4.03	80.7	7.91	2020	2560	2.49	9.62	0.38	24.1	56.1	12.0	18	20.2	249	4.96
Q006842		4.50	13.90	6.10	1630	410	0.90	8.49	0.40	3.70	52.4	2.2	17	23.4	190.5	10.00
Q006844		3.67	6.71	6.29	1315	940	0.89	5.12	0.29	1.24	43.9	1.1	10	12.60	133.0	9.38
Q006845		5.53	16.50	6.75	477	890	1.10	18.60	0.18	4.34	45.2	3.0	11	13.15	82.7	5.88
Q006846		2.71	0.14	0.07	5	30	0.06	0.10	22.1	0.09	1.18	0.6	<1	0.15	2.2	0.51
Q006847		6.42	11.65	7.10	411	2270	1.21	37.4	0.32	8.70	39.4	12.1	12	18.00	108.5	6.08
Q006848		4.40	0.78	8.66	111.0	2630	1.70	1.08	0.73	4.56	59.6	15.7	16	12.95	64.2	3.93

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142559**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- SEP- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13162308

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
Q006728		16.25	0.21	1.4	0.076	3.35	25.4	16.9	0.44	1780	1.12	1.02	7.7	3.8	690	238
Q006729		17.05	0.16	1.3	0.384	3.61	23.5	11.5	0.24	6430	3.19	0.06	7.3	4.6	590	432
Q006730		16.60	0.16	1.3	0.186	3.65	23.9	21.5	0.16	8270	3.17	0.13	7.3	4.5	650	1315
Q006743		17.45	0.18	1.2	0.089	3.80	33.1	23.4	0.23	3070	2.66	0.08	7.9	3.8	670	109.0
Q006744		13.95	0.14	1.1	0.068	2.73	21.0	26.4	0.26	2970	1.49	0.05	6.4	3.2	510	71.9
Q006745		16.75	0.16	1.3	0.044	2.94	26.6	20.4	0.77	696	0.71	1.61	8.0	3.5	690	47.2
Q006831		18.10	0.18	1.4	0.129	3.41	35.0	44.1	0.46	2410	0.97	0.95	9.7	9.5	960	100.5
Q006832		17.85	0.18	1.1	0.120	3.37	28.9	39.3	0.21	2950	1.33	0.62	8.0	6.2	750	178.5
Q006833		17.05	0.16	1.2	0.314	2.77	27.3	22.9	0.50	1440	0.94	1.67	8.4	4.8	690	431
Q006835		17.20	0.18	1.1	1.340	3.60	29.1	25.0	0.26	855	1.05	0.39	7.7	3.0	680	399
Q006838		18.00	0.14	2.6	0.119	1.79	21.1	80.0	0.15	1150	1.70	0.10	11.5	3.7	930	247
Q006839		18.55	0.17	2.7	0.159	1.15	32.1	135.0	0.15	1670	1.85	0.16	11.6	4.8	970	485
Q006841		17.20	0.20	3.0	1.680	2.59	31.3	44.4	0.23	1380	4.44	0.05	8.9	5.6	1080	5940
Q006842		19.05	0.15	3.1	3.84	2.51	28.2	29.6	0.22	88	2.04	0.04	8.8	3.5	980	2320
Q006844		17.45	0.15	1.0	1.055	3.35	23.9	16.4	0.20	147	1.89	0.06	7.0	1.0	670	917
Q006845		15.50	0.15	0.9	0.267	3.29	27.2	9.1	0.24	181	2.37	0.04	6.8	1.4	380	810
Q006846		0.23	0.16	<0.1	0.010	0.03	0.6	1.0	13.05	229	0.07	<0.01	0.2	1.6	190	10.7
Q006847		13.70	0.16	0.9	0.222	2.96	25.7	30.3	0.26	398	2.52	0.09	6.4	2.7	540	517
Q006848		17.70	0.20	1.1	0.141	3.43	32.6	20.8	0.34	1360	2.65	1.08	8.3	5.5	720	60.0

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13142559**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- SEP- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13162308

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
Q006728		164.0	<0.002	0.02	16.95	11.0	1	1.6	198.0	0.61	<0.05	12.6	0.297	1.80	2.5	80
Q006729		200	<0.002	0.09	31.3	11.6	1	3.1	54.1	0.58	<0.05	11.5	0.272	2.56	5.9	86
Q006730		173.5	<0.002	0.13	37.2	11.0	1	2.3	82.1	0.62	<0.05	12.2	0.279	2.39	6.9	79
Q006743		186.5	<0.002	0.01	22.8	12.2	1	2.4	54.0	0.68	<0.05	14.6	0.301	2.22	3.7	87
Q006744		131.5	<0.002	0.02	33.0	8.5	1	1.6	43.9	0.56	<0.05	8.6	0.242	1.62	2.5	66
Q006745		114.5	<0.002	<0.01	7.59	11.8	1	1.7	249	0.65	<0.05	13.3	0.311	1.08	1.6	86
Q006831		151.5	<0.002	0.05	13.40	12.9	1	2.3	194.0	0.72	<0.05	14.7	0.368	2.06	4.1	96
Q006832		157.0	<0.002	0.07	14.55	11.7	1	2.2	107.0	0.64	<0.05	12.8	0.293	2.26	3.5	81
Q006833		124.5	<0.002	0.09	11.40	10.2	1	2.7	264	0.64	0.14	11.9	0.299	1.44	3.4	76
Q006835		179.0	<0.002	0.06	17.65	11.9	1	2.9	114.0	0.61	0.20	14.7	0.277	2.54	8.4	78
Q006838		59.8	<0.002	0.04	9.77	5.7	1	1.5	169.0	0.79	<0.05	7.3	0.289	1.40	4.1	57
Q006839		47.5	<0.002	0.06	14.60	6.5	1	1.6	179.5	0.81	0.05	9.9	0.291	1.02	5.7	57
Q006841		146.5	<0.002	0.33	79.8	8.0	1	5.3	219	0.65	0.60	9.8	0.298	3.05	10.8	66
Q006842		147.5	<0.002	2.77	33.7	6.4	1	3.1	268	0.62	0.73	9.3	0.277	3.11	5.2	65
Q006844		194.5	<0.002	2.76	16.45	11.2	1	3.8	74.1	0.58	2.10	15.6	0.264	2.77	2.6	92
Q006845		186.5	<0.002	0.86	14.15	8.7	2	6.6	36.5	0.59	14.75	8.7	0.247	2.46	2.9	69
Q006846		1.2	<0.002	0.01	0.34	0.2	<1	<0.2	48.2	<0.05	<0.05	<0.2	<0.005	0.02	0.4	3
Q006847		141.5	<0.002	0.39	21.4	8.9	3	3.8	66.3	0.51	19.40	10.2	0.246	2.00	5.2	68
Q006848		154.0	<0.002	0.05	7.80	11.9	2	2.9	169.0	0.67	0.26	14.5	0.304	1.90	3.9	84

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142559**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15- SEP- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13162308

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
Q006728		1.6	12.8	1230	33.4
Q006729		3.9	12.8	3180	32.8
Q006730		5.9	14.1	3470	32.1
Q006743		7.2	16.5	780	30.7
Q006744		2.9	13.3	836	27.5
Q006745		1.8	13.6	900	31.1
Q006831		3.3	20.0	874	28.6
Q006832		3.6	18.3	912	26.4
Q006833		2.2	13.5	1140	31.0
Q006835		3.5	12.6	2610	25.9
Q006838		2.4	10.6	2500	87.5
Q006839		4.3	13.8	2220	91.1
Q006841		3.3	15.7	2560	109.5
Q006842		1.9	8.0	790	123.5
Q006844		3.2	4.3	446	22.8
Q006845		4.4	5.2	665	21.6
Q006846		0.1	0.8	18	<0.5
Q006847		4.3	14.3	1320	20.6
Q006848		2.5	17.8	622	27.7

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13142559**

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Finalized Date: 15- SEP- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13162308

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

	REE's may not be totally soluble in this method.
Applies to Method:	ME- MS61
	Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method:	ME- MS61

LABORATORY ADDRESSES

	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
Applies to Method:	FND- 03	LOG- 22	PUL- 31	PUL- QC
	SPL- 21	WEI- 25		
	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
Applies to Method:	ME- MS61			

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-SEP-2013
This copy reported on 30-SEP-2013
Account: ROCKHA

CERTIFICATE WH13165131

Project: KLAZA

P.O. No.: Batch 46

This report is for 34 Rock samples submitted to our lab in Whitehorse, YT, Canada on 10-SEP-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-25	Wt. of Crushed Reject
FND-03	Find Reject for Addn Analysis
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85%<75 um
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142557**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-SEP-2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13165131

Sample Description	Method Analyte Units LOR	WEI-25 Reject W kg 0.001	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
Q006759		9.59	>10.0	12.30	>100	2.65	4930	1050	0.46	232	0.12	6.59	32.1	0.6	9	6.89
Q006760		2.53	0.030		1.75	0.06	8	20	0.06	0.97	20.9	0.07	1.15	0.6	<1	0.12
Q006761		6.73	2.28		>100	5.59	6490	980	1.14	67.7	0.29	51.5	44.1	2.8	14	14.40
Q006762		6.92	0.050		7.69	7.44	154.5	910	2.03	3.33	1.74	33.8	54.6	8.8	19	23.0
Q006763		<0.001	NSS		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
Q006764		3.61	0.867		15.85	6.13	2420	940	1.11	3.12	0.21	58.3	39.8	6.2	9	17.65
Q006765		5.80	0.063		6.00	7.80	222	1390	1.59	0.97	1.14	11.75	64.6	6.2	15	19.05
Q006766		5.88	0.006		1.01	6.67	32.2	2160	1.48	0.37	2.35	6.33	39.4	5.8	15	21.8
Q006767		3.34	0.042		3.45	9.00	180.0	5810	2.00	1.08	0.63	15.65	82.1	6.8	15	33.3
Q006768		6.29	0.029		3.71	8.31	335	1500	2.22	0.81	0.49	27.2	57.8	8.6	9	30.7
Q006570		5.04	0.142		4.70	7.63	518	1530	1.83	0.45	1.10	13.10	32.1	24.4	30	26.5
Q006571		5.60	0.031		0.85	10.30	262	860	1.55	0.25	0.77	3.02	51.3	21.7	41	16.35
Q006572		3.01	>10.0	28.2	>100	2.35	>10000	1050	0.70	1.00	1.10	210	19.80	16.1	10	26.2
Q006773		5.48	0.057		2.66	8.36	156.0	2300	1.56	3.28	0.43	8.00	53.3	10.0	10	15.00
Q006774		5.86	0.031		2.38	8.44	119.0	2190	1.70	1.17	0.33	15.65	57.1	12.1	10	18.30
Q006775		7.27	0.118		6.56	8.26	617	1490	1.53	4.89	0.13	8.08	51.7	9.1	11	17.75
Q006776		6.41	0.031		2.87	8.14	124.5	1610	1.76	1.77	0.25	12.45	58.3	20.6	9	21.1
Q006778		4.02	0.091		4.77	8.59	125.5	1960	1.71	4.49	0.46	9.92	64.6	15.4	13	15.80
Q006779		6.52	0.006		0.83	8.13	20.5	2170	1.61	1.48	1.47	3.65	51.5	9.6	14	8.34
Q006780		4.50	0.039		3.04	7.96	134.0	1610	1.60	1.93	0.56	15.10	57.9	9.1	15	12.50
Q006781		3.93	0.045		3.81	8.17	305	1640	1.65	2.43	0.35	12.70	51.8	7.3	10	14.60
Q006782		5.23	0.048		6.34	7.66	975	1750	1.39	5.10	0.53	14.50	40.9	3.9	9	15.70
Q006783		5.74	0.098		13.40	7.77	1530	1470	1.15	18.60	0.31	10.85	41.9	2.8	11	14.10
Q006784		6.57	0.699		38.2	3.84	238	1630	0.51	16.25	0.06	0.97	28.0	0.6	10	5.68
Q006785		5.72	0.263		21.3	7.11	1435	1890	1.08	9.24	0.47	3.91	58.3	2.9	18	18.65
Q006786		5.46	0.412		27.8	7.15	2590	1900	1.26	17.95	0.22	13.55	59.7	2.0	13	14.90
Q006787		5.36	0.134		9.89	7.81	1175	1150	1.41	10.50	0.21	18.75	65.0	3.6	12	11.85
Q006788		5.07	0.128		7.19	7.96	1110	1230	1.61	4.79	0.20	23.3	60.0	1.3	13	13.60
Q006789		2.75	0.249		12.35	7.55	2510	2150	1.45	5.63	0.21	28.0	60.4	1.1	13	14.55
Q006790		2.19	0.272		12.10	8.35	1475	1320	1.66	18.15	0.32	20.6	68.0	2.1	14	13.50
Q006791		2.92	0.157		8.19	8.70	1525	1150	1.66	4.92	0.17	25.7	64.9	1.1	12	13.55
Q006792		2.69	<0.005		0.12	0.08	7	50	0.07	0.14	21.6	0.21	1.31	0.6	1	0.18
Q006793		6.93	0.108		9.63	8.39	1755	1330	1.42	5.77	0.23	22.0	69.4	1.6	13	10.75
Q006794		8.43	0.066		2.38	7.32	680	2020	1.49	0.83	1.32	5.95	35.7	7.5	10	12.10

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142557**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20- SEP- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13165131

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Q006759		210	5.75	9.19	0.12	0.6	3.97	1.63	20.2	16.8	0.10	117	2.86	0.03	4.6	0.9
Q006760		2.3	0.46	0.22	0.20	<0.1	0.015	0.02	0.6	0.4	12.30	186	0.35	0.01	0.2	1.6
Q006761		1035	11.00	17.70	0.13	1.5	6.56	2.15	26.2	21.5	0.21	385	3.54	0.08	6.1	3.5
Q006762		229	3.27	18.35	0.17	3.6	0.123	2.85	28.1	42.7	0.28	1460	2.39	0.04	10.8	6.5
Q006763		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
Q006764		67.0	6.43	14.20	0.14	0.9	0.619	2.71	23.4	17.5	0.23	532	4.55	0.03	6.4	2.5
Q006765		24.9	3.00	18.55	0.16	2.8	0.102	2.00	33.6	97.7	0.15	754	2.21	0.04	12.5	3.5
Q006766		8.4	2.58	19.15	0.15	2.8	0.094	2.63	18.9	49.5	0.14	871	1.62	0.08	12.8	3.9
Q006767		30.2	3.08	20.5	0.18	3.0	0.123	2.59	44.7	55.8	0.18	1360	1.78	0.11	13.7	4.2
Q006768		26.2	4.13	17.30	0.17	1.2	0.143	3.27	32.9	24.4	0.29	4020	8.69	0.05	8.7	4.3
Q006570		134.5	6.09	22.7	0.11	0.7	0.627	2.82	14.1	28.1	0.34	11450	6.54	0.03	6.2	12.6
Q006571		88.3	5.82	25.6	0.10	0.8	0.108	0.84	25.0	49.8	0.20	1800	3.28	0.04	8.4	11.1
Q006572		1290	11.80	9.08	0.07	0.2	2.42	0.87	10.6	46.6	0.13	8590	2.63	0.02	1.3	5.3
Q006773		36.4	4.14	18.50	0.10	1.3	0.145	3.59	27.9	31.0	0.47	1670	1.79	0.57	9.1	3.6
Q006774		35.8	4.18	18.60	0.11	1.3	0.128	3.80	29.4	21.6	0.44	3240	1.87	0.38	9.1	3.5
Q006775		34.2	5.27	19.10	0.10	1.4	0.365	3.49	27.7	19.0	0.24	2120	2.35	0.14	9.0	1.9
Q006776		40.9	5.49	18.05	0.11	1.3	0.267	3.39	33.5	16.8	0.26	2740	2.89	0.24	8.5	3.2
Q006778		105.5	5.09	19.55	0.11	1.3	0.344	3.56	36.5	24.3	0.49	2730	2.71	0.60	9.2	4.9
Q006779		20.0	3.26	18.15	0.10	1.2	0.089	2.53	25.8	10.9	0.68	1070	1.53	2.27	9.2	4.8
Q006780		95.5	4.74	18.10	0.11	1.2	0.286	3.15	32.0	23.7	0.38	1640	2.81	0.70	8.9	5.0
Q006781		326	5.53	17.75	0.11	1.0	0.683	3.38	29.6	29.3	0.28	1120	3.17	0.39	8.1	2.6
Q006782		571	5.92	17.40	0.11	1.2	0.954	3.26	25.5	18.9	0.28	341	4.38	0.70	8.2	2.4
Q006783		111.5	5.32	18.30	0.10	1.4	0.847	3.24	25.4	16.7	0.27	299	4.58	0.31	8.7	2.3
Q006784		27.9	2.08	7.10	0.07	0.9	0.169	1.75	16.1	24.1	0.09	105	3.26	0.05	5.9	1.5
Q006785		141.0	6.84	17.70	0.10	1.6	0.926	2.37	32.6	27.4	0.30	328	8.92	0.35	8.7	3.5
Q006786		320	6.46	17.10	0.10	1.3	1.070	2.84	34.4	22.4	0.24	374	4.62	0.12	8.3	2.3
Q006787		225	4.66	18.05	0.12	1.1	0.724	3.44	36.5	12.6	0.27	608	4.69	0.13	8.3	2.3
Q006788		282	5.11	17.30	0.10	1.0	0.635	3.40	33.7	14.4	0.27	230	4.04	0.09	7.9	2.1
Q006789		274	5.96	17.55	0.11	1.2	1.050	3.27	34.1	15.7	0.27	218	4.63	0.07	8.0	2.0
Q006790		302	4.46	17.60	0.12	1.5	0.870	3.12	37.8	34.3	0.28	271	4.06	0.24	10.2	3.0
Q006791		148.0	3.44	19.30	0.12	1.1	0.816	3.75	37.4	20.5	0.31	209	4.36	0.09	9.6	1.8
Q006792		3.1	0.48	0.21	0.09	<0.1	<0.005	0.03	0.7	1.0	13.20	212	0.12	<0.01	0.2	1.4
Q006793		159.5	3.59	18.90	0.17	1.5	0.735	3.47	41.1	23.5	0.32	224	4.61	0.15	9.8	2.1
Q006794		47.1	3.53	17.65	0.11	1.5	0.234	2.81	17.9	19.3	0.52	846	1.96	1.53	8.9	3.4

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13142557**

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 20- SEP- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13165131

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
Q006759		400	>10000	103.5	0.002	2.29	748	5.5	3	31.5	39.9	0.37	4.74	5.3	0.158	1.67
Q006760		170	115.5	1.0	<0.002	<0.01	1.95	0.2	<1	0.2	47.5	<0.05	<0.05	<0.2	<0.005	0.02
Q006761		710	>10000	148.0	<0.002	1.52	217	10.6	1	11.1	153.0	0.49	1.98	20.4	0.200	2.63
Q006762		1050	889	160.5	<0.002	0.05	20.1	7.5	1	1.7	191.5	0.81	0.05	10.0	0.318	3.79
Q006763		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
Q006764		420	2700	192.0	<0.002	0.24	46.5	8.5	1	7.2	66.3	0.57	0.38	11.1	0.208	3.05
Q006765		940	894	90.9	<0.002	0.05	13.80	6.7	1	2.2	206	0.94	0.05	12.2	0.290	1.97
Q006766		880	147.5	89.2	<0.002	0.04	8.02	5.4	1	1.6	141.5	0.94	<0.05	7.5	0.289	2.51
Q006767		1020	504	124.0	<0.002	0.23	14.70	8.4	1	2.3	282	1.05	<0.05	15.4	0.318	2.19
Q006768		680	718	204	<0.002	0.17	20.4	11.8	1	3.0	67.2	0.78	<0.05	16.7	0.289	3.64
Q006570		1170	536	127.5	<0.002	0.16	62.7	19.5	1	3.5	144.5	0.38	0.05	4.5	0.479	3.47
Q006571		1540	48.9	37.3	<0.002	0.02	51.3	25.1	1	2.0	77.6	0.54	<0.05	7.0	0.641	0.70
Q006572		290	>10000	71.3	0.002	0.27	629	7.3	1	17.6	216	0.09	0.07	2.0	0.109	0.99
Q006773		640	290	189.0	<0.002	0.05	6.77	11.8	1	3.0	103.5	0.83	0.07	17.6	0.280	2.63
Q006774		610	401	201	<0.002	0.05	8.87	11.7	1	2.6	77.5	0.86	0.07	17.0	0.272	2.91
Q006775		510	718	198.5	<0.002	0.09	12.00	10.0	1	7.4	39.2	0.83	0.17	15.4	0.266	3.31
Q006776		590	414	195.0	<0.002	0.03	7.90	11.7	1	3.6	47.1	0.82	0.10	18.3	0.256	3.09
Q006778		720	423	202	<0.002	0.07	15.05	12.5	1	3.8	100.5	0.81	0.25	17.9	0.285	3.12
Q006779		660	63.0	116.5	<0.002	0.01	2.72	11.1	1	2.6	314	0.81	0.07	16.0	0.282	1.50
Q006780		550	524	167.5	<0.002	0.03	7.62	11.2	1	5.7	121.5	0.77	0.06	15.4	0.287	2.60
Q006781		660	661	192.0	<0.002	0.06	10.80	11.0	1	5.6	84.4	0.76	0.09	16.9	0.256	3.05
Q006782		720	527	167.5	<0.002	0.14	16.00	10.0	1	3.7	128.5	0.73	0.41	16.8	0.251	2.40
Q006783		460	1840	175.5	<0.002	0.51	31.8	7.6	1	5.0	101.5	0.80	1.04	12.8	0.275	2.84
Q006784		110	967	87.4	<0.002	0.53	31.1	4.4	2	11.5	34.6	0.52	0.26	5.6	0.184	1.54
Q006785		680	4190	143.0	<0.002	0.56	35.8	9.2	1	8.8	141.5	0.70	0.53	13.4	0.292	2.38
Q006786		620	6270	177.5	<0.002	0.68	46.1	10.8	1	10.8	103.5	0.68	0.54	14.5	0.275	3.08
Q006787		670	1800	216	<0.002	0.37	26.5	11.7	1	9.0	78.6	0.68	0.32	17.2	0.272	3.62
Q006788		720	1555	209	<0.002	0.51	17.50	12.2	1	7.5	63.2	0.65	0.20	16.1	0.270	3.77
Q006789		900	3480	208	<0.002	0.59	30.9	12.6	<1	7.6	112.0	0.65	0.23	16.2	0.270	3.86
Q006790		820	2170	178.0	<0.002	0.28	33.3	14.8	1	5.8	129.0	0.80	0.76	18.9	0.333	3.48
Q006791		650	1690	238	<0.002	0.28	23.2	12.3	1	5.9	101.5	0.76	0.15	17.9	0.321	4.46
Q006792		170	18.3	1.7	<0.002	<0.01	0.21	0.2	<1	<0.2	45.5	<0.05	<0.05	0.2	<0.005	0.05
Q006793		760	2270	216	<0.002	0.24	25.6	10.6	1	5.9	129.0	0.79	0.20	19.3	0.314	3.96
Q006794		550	346	122.5	<0.002	0.15	11.25	9.5	1	2.6	247	0.83	<0.05	15.3	0.267	1.71

Comments: **Re- analysis Results for Samples Originally Reported on Certificate WH13142557**

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20- SEP- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13165131

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001
Q006759		4.0	38	3.4	2.9	321	16.1	884	5.80
Q006760		0.9	2	0.1	0.7	15	<0.5		
Q006761		9.8	79	4.0	9.4	2720	55.3	163	1.765
Q006762		6.9	65	3.7	16.7	2200	140.5		
Q006763		NSS	NSS	NSS	NSS	NSS	NSS		
Q006764		3.5	60	5.4	6.4	2740	27.0		
Q006765		4.8	56	3.9	14.7	858	91.2		
Q006766		3.1	56	2.4	10.2	409	94.7		
Q006767		6.1	62	5.2	17.9	1510	99.1		
Q006768		3.9	76	4.4	18.2	2010	32.5		
Q006570		1.7	181	8.3	17.6	969	17.4		
Q006571		1.2	219	30.3	23.2	298	19.4		
Q006572		2.0	74	2.5	11.1	7600	4.7	359	1.140
Q006773		3.2	78	3.0	15.7	1070	30.0		
Q006774		3.9	77	2.6	16.5	1350	31.1		
Q006775		2.9	76	5.7	10.0	1050	34.2		
Q006776		4.9	73	3.5	17.9	1520	30.0		
Q006778		4.0	81	3.0	19.5	1140	32.6		
Q006779		1.8	78	1.7	15.1	348	29.4		
Q006780		3.3	79	5.6	14.6	1350	30.0		
Q006781		5.7	74	6.9	14.3	1480	25.7		
Q006782		7.7	75	2.4	12.3	692	30.6		
Q006783		3.2	72	4.4	7.4	445	32.4		
Q006784		1.1	35	11.5	3.4	89	26.2		
Q006785		3.0	74	8.7	8.1	586	50.8		
Q006786		4.0	76	9.3	7.0	1110	38.8		
Q006787		4.4	76	10.6	7.8	496	28.3		
Q006788		5.5	76	10.9	7.5	647	25.3		
Q006789		5.8	80	10.5	7.5	884	33.6		
Q006790		7.2	82	9.8	11.8	630	42.3		
Q006791		5.8	82	10.2	9.3	405	27.6		
Q006792		0.5	2	0.1	0.8	19	<0.5		
Q006793		6.4	77	8.7	11.4	513	43.0		
Q006794		2.9	74	1.9	12.1	737	39.1		

Comments: **Re-analysis Results for Samples Originally Reported on Certificate WH13142557**

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20- SEP- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13165131

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non- sufficient sample.
Applies to Method: ALL METHODS

REE's may not be totally soluble in this method.
Applies to Method: ME- MS61

Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)
Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:	FND- 03	LOG- 22	PUL- 31	SPL- 21
	WEI- 25			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Ag- OG62	Au- AA24	Au- GRA22	ME- MS61
	ME- OG62	Pb- OG62		

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-OCT-2013
Account: ROCKHA

CERTIFICATE WH13183558

Project:

P.O. No.:

This report is for 15 Pulp samples submitted to our lab in Whitehorse, YT, Canada on 10-OCT-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-AA13	Ag by cyanide leach and AAS	AAS
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

***** See Appendix Page for comments regarding this certificate *****

Comments: Sample ID M898324 reported overrange for modified Ag-AA13 method with absolute upper reporting limit of 700ppm. Additional dilution applied to original sample solution and M898324 reported 1151ppm Ag.

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31- OCT- 2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13183558

Sample Description	Method Analyte Units LOR	Ag- AA13 Ag ppm 0.03	Au- AA13 Au ppm 0.03
Q006392		513.6	70.1
Q007010		250.0	7.37
Q007038		675.0	0.43
Q007045		642.0	12.10
Q006990		NSS	NSS
Q006733		348.2	62.9
Q006742		529.1	7.95
Q006836		271.5	2.58
Q006578		164.55	6.64
Q006595		430.3	5.33
Q006853		377.2	12.30
M898304		282.2	25.1
M898315		431.6	18.20
M898324		>700	5.43
M898347		429.4	10.70

Comments: Sample ID M898324 reported overrange for modified Ag-AA13 method with absolute upper reporting limit of 700ppm. Additional dilution applied to original sample solution and M898324 reported 1151ppm Ag.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 31- OCT- 2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13183558

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non- sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
Applies to Method: FND- 02

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Applies to Method: Ag- AA13 Au- AA13

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 31-OCT-2013
Account: ROCKHA

CERTIFICATE WH13183559

Project:

P.O. No.:

This report is for 185 Pulp samples submitted to our lab in Whitehorse, YT, Canada on 10-OCT-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

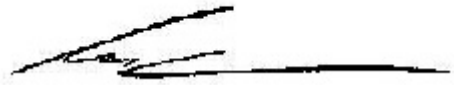
ALS CODE	DESCRIPTION	INSTRUMENT
Ag-AA13	Ag by cyanide leach and AAS	AAS
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-OCT-2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13183559

Sample Description	Method Analyte Units LOR	Ag-AA13 Ag ppm 0.03	Au-AA13 Au ppm 0.03
L865176		5.22	0.46
K862903		1.46	0.69
K862904		6.72	1.52
K862905		21.98	4.94
K862906		2.58	0.66
K862908		1.44	0.45
K862909		1.75	1.14
K862910		3.22	1.41
K862911		0.87	0.38
K862912		1.58	0.89
K862913		0.75	0.33
K862914		1.27	0.55
L865374		5.74	1.60
L865385		1.94	1.21
M635528		229.6	0.25
M635618		4.49	0.77
M635619		26.71	13.80
M635620		0.59	0.22
M635656		15.42	1.06
K862929		3.69	0.15
K862930		1.75	0.15
K862931		0.93	0.14
K862932		0.78	0.10
K862933		0.85	0.31
K862934		0.63	0.16
K862935		0.76	0.18
K862936		1.20	0.18
K862939		3.80	0.26
K862940		0.79	0.16
K862941		0.79	0.13
K862942		2.15	3.75
K862943		1.26	1.42
K862944		0.41	0.06
K862945		1.55	0.16
K862946		0.37	0.06
K862947		0.64	0.11
K862948		1.54	0.12
K862949		1.36	0.26
K862950		2.43	0.12
K862952		1.38	0.33

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 31- OCT- 2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13183559

Sample Description	Method Analyte Units LOR	Ag- AA13 Ag ppm 0.03	Au- AA13 Au ppm 0.03
K862953		1.53	0.09
K862954		2.39	0.56
K862955		1.10	0.12
K862956		1.70	0.27
K862957		0.56	0.15
K862958		1.39	0.18
K862959		0.43	0.15
K862960		3.29	1.97
K862961		0.99	0.30
K862962		0.53	0.07
K862963		0.45	0.07
K862964		1.34	0.04
K862965		0.42	0.18
K862966		0.41	<0.03
K862967		1.26	1.27
K862968		0.54	0.37
K862969		0.56	0.24
K862970		0.88	0.97
K862971		0.51	0.04
K862973		0.32	0.05
K862974		0.21	0.06
K862975		0.14	<0.03
K862976		0.16	0.06
K862977		0.11	0.06
K862978		0.29	0.10
K862979		NSS	NSS
K862980		12.12	0.89
K862981		0.32	0.06
K862997		87.21	0.86
Q006250		11.51	0.86
Q006261		19.49	1.18
Q006262		1.80	0.10
Q006263		3.08	0.29
Q006264		1.92	0.58
Q006265		1.70	0.25
Q006266		4.34	2.07
Q006274		10.41	0.50
Q006296		18.17	0.53
M635582		3.45	1.32
M635702		67.91	1.06

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 31-OCT-2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13183559

Sample Description	Method Analyte Units LOR	Ag-AA13 Ag ppm 0.03	Au-AA13 Au ppm 0.03
M635712		66.75	0.93
Q006335		132.25	16.40
Q007173		14.40	1.67
Q007187		15.14	1.84
Q007188		16.03	1.34
Q007189		13.16	0.97
Q007190		17.35	3.34
Q007191		5.97	0.50
Q007192		4.22	0.60
Q007194		0.79	0.03
Q007195		4.12	0.77
Q007196		7.56	0.56
Q007197		2.18	0.83
Q007024		29.74	0.57
Q007027		22.71	1.05
Q007031		59.79	1.53
Q007039		3.41	<0.03
Q007040		81.99	0.98
Q007041		2.51	0.07
Q007042		2.44	0.07
Q007043		32.54	0.70
Q007044		2.03	0.07
Q007049		103.80	11.45
Q007050		2.88	0.34
Q007051		143.10	15.30
Q007063		1.48	1.67
Q007064		2.72	0.74
Q007065		1.21	0.35
Q007067		0.80	0.20
Q007068		0.49	0.05
Q007069		10.47	0.23
Q007070		4.88	0.51
Q007072		0.77	0.92
Q007084		30.00	0.88
Q007085		8.81	0.33
Q007086		11.55	0.28
Q007087		5.90	0.23
Q007088		6.60	0.44
Q007089		1.46	0.11
Q007090		0.45	<0.03

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-OCT-2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13183559

Sample Description	Method Analyte Units LOR	Ag-AA13 Ag ppm 0.03	Au-AA13 Au ppm 0.03
Q007092		4.11	1.22
Q007099		11.59	1.75
Q006607		10.56	3.82
Q006636		39.13	3.92
Q006637		16.95	4.70
Q006638		6.71	2.67
Q006662		1.09	1.07
Q006663		1.38	1.56
Q006664		1.28	1.54
Q006673		9.29	1.68
Q006679		8.77	1.35
Q006707		24.85	0.62
Q006491		6.62	0.59
Q006496		8.56	0.50
Q006964		42.36	1.64
Q006971		11.58	1.35
Q006757		16.73	1.16
Q006758		13.00	0.18
Q006979		NSS	NSS
Q006985		5.96	0.32
Q006991		NSS	NSS
Q006996		52.14	0.95
Q006501		40.29	1.61
Q006509		5.87	0.45
Q006528		70.95	1.06
Q006529		1.01	0.03
Q006530		0.26	<0.03
Q006532		174.90	1.55
Q006533		5.28	0.07
Q006534		3.11	0.09
Q006535		2.27	0.04
Q006536		2.25	0.05
Q006795		8.20	1.00
Q006802		43.74	2.11
Q006803		58.68	3.71
Q006810		NSS	NSS
Q006811		22.73	0.61
Q006821		NSS	NSS
Q006732		32.27	6.14
Q006735		100.30	19.90

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 31-OCT-2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13183559

Sample Description	Method Analyte Units LOR	Ag-AA13 Ag ppm 0.03	Au-AA13 Au ppm 0.03
Q006736		0.93	0.08
Q006738		1.29	0.18
Q006739		65.54	4.13
Q006740		22.27	2.22
Q006741		70.73	2.38
Q006843		NSS	NSS
K862891		5.98	2.20
K862892		50.29	5.11
Q006576		11.94	1.88
Q006577		14.97	1.85
Q006580		44.20	1.59
Q006583		19.41	1.40
Q006596		8.98	3.38
Q006854		86.53	7.80
Q006440		5.23	0.29
Q006441		14.84	0.39
Q006716		23.58	0.50
M898302		48.86	6.59
M898303		14.01	0.87
M898329		119.30	29.8
M898336		3.68	1.18
M898340		20.79	2.09
M898346		4.95	1.45
M898354		54.48	0.15
M898362		4.78	0.69

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 31- OCT- 2013
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH13183559

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non- sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
Applies to Method: FND- 02

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Applies to Method: Ag- AA13 Au- AA13

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Finalized Date: 31-OCT-2013
Account: ROCKHA

CERTIFICATE WH13184490

Project: KLAZA

P.O. No.: Batch 46

This report is for 2 Rock samples submitted to our lab in Whitehorse, YT, Canada on 10-OCT-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-AA13	Ag by cyanide leach and AAS	AAS
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 31- OCT- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13184490

Sample Description	Method Analyte Units LOR	Ag- AA13 Ag ppm 0.03	Au- AA13 Au ppm 0.03
Q006761		113.85	2.08
Q006784		22.06	0.69

***** See Appendix Page for comments regarding this certificate *****

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 31- OCT- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13184490

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- AA13	Au- AA13	FND- 02

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Finalized Date: 31-OCT-2013
Account: ROCKHA

CERTIFICATE WH13184491

Project: KLAZA

P.O. No.: Batch 46

This report is for 2 Rock samples submitted to our lab in Whitehorse, YT, Canada on 10-OCT-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL JARED TARSWELL	MATT DUMALA MATT TURNER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-AA13	Ag by cyanide leach and AAS	AAS
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 31- OCT- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13184491

Sample Description	Method Analyte Units LOR	Ag- AA13 Ag ppm 0.03	Au- AA13 Au ppm 0.03
Q006759		670.7	8.84
Q006572		NSS	NSS

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 31- OCT- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13184491

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non- sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag- AA13 Au- AA13 FND- 02

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Finalized Date: 10-NOV-2013
Account: ROCKHA

CERTIFICATE WH13193617

Project: KLAZA

P.O. No.:

This report is for 2 Coarse Reject samples submitted to our lab in Whitehorse, YT, Canada on 30-OCT-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
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Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193617

Sample Description	Method	Au- AA24	Au- GRA22	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
Q006572		>10.0	25.1	>100	2.31	>10000	980	0.79	1.13	1.11	205	23.3	16.0	12	26.4	1310
Q006990		>10.0	83.2	>100	1.79	1440	730	0.36	1285	0.06	1.49	32.5	0.8	9	3.76	50.5

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Finalized Date: 10- NOV- 2013
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193617

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q006572		11.60	9.57	0.29	0.2	2.33	0.86	11.5	44.8	0.13	8370	2.41	0.02	1.6	6.2	290
Q006990		5.48	5.12	0.20	0.6	0.568	1.62	19.0	22.0	0.06	90	7.26	0.04	4.1	1.2	180

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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193617

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
Q006572		>10000	77.3	0.002	0.29	604	7.6	2	18.0	214	0.10	0.07	1.9	0.112	0.83	3.0
Q006990		>10000	95.5	<0.002	2.09	1350	2.5	8	73.7	68.2	0.26	7.74	4.1	0.136	1.30	3.6

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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193617

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	1	0.001
Q006572		74	2.5	12.8	7410	5.1	360	1.110
Q006990		23	2.3	2.7	70	16.6	1420	1.165

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Finalized Date: 10- NOV- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193617

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
FND- 03 SPL- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag- OG62 Au- AA24 Au- GRA22 ME- MS61
ME- OG62 Pb- OG62

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Finalized Date: 12-NOV-2013
Account: ROCKHA

CERTIFICATE WH13193618

Project: KLAZA

P.O. No.:

This report is for 2 Coarse Reject samples submitted to our lab in Whitehorse, YT, Canada on 30-OCT-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-AA13	Ag by cyanide leach and AAS	AAS
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

Comments: Sample ID Q006990 reported overrange for modified Ag-AA13 method with absolute upper reporting limit of 700ppm. Additional 100x dilution applied to original sample solution and Q006990 reported 1005.4ppm Ag.

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Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193618

Sample Description	Method Analyte Units LOR	Ag- AA13 Ag ppm 0.03	Au- AA13 Au ppm 0.03
Q006572		229.1	14.20
Q006990		>700	61.1

Comments: Sample ID Q006990 reported overrange for modified Ag- AA13 method with absolute upper reporting limit of 700ppm. Additional 100x dilution applied to original sample solution and Q006990 reported 1005.4ppm Ag.

***** See Appendix Page for comments regarding this certificate *****

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Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193618

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
FND- 02

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag- AA13 Au- AA13

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Finalized Date: 10-NOV-2013
Account: ROCKHA

CERTIFICATE WH13193619

Project: KLAZA

P.O. No.:

This report is for 6 Coarse Reject samples submitted to our lab in Whitehorse, YT, Canada on 30-OCT-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
SPL-21	Split sample - riffle splitter

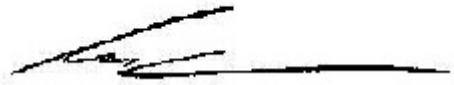
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 10- NOV- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193619

Sample Description	Method	Au- AA24	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K862979		0.087	1.85	7.69	49.1	2210	1.31	3.04	0.13	0.29	62.9	2.9	10	12.55	152.5	3.69
Q006979		2.27	35.7	4.75	825	1220	0.76	37.9	0.17	1.89	34.5	1.9	10	19.35	116.0	4.67
Q006991		0.607	9.93	5.95	973	700	0.86	10.65	0.26	1.71	56.2	4.7	10	30.4	163.5	8.90
Q006810		1.215	75.9	5.08	4790	620	0.61	67.2	0.40	3.01	63.0	2.1	17	23.3	352	10.10
Q006821		0.210	22.0	6.64	3660	1390	0.85	6.53	0.37	4.12	54.1	2.8	13	18.30	454	7.07
Q006843		1.300	>100	2.76	1675	510	0.49	144.5	0.17	2.15	27.6	1.3	13	10.20	69.8	7.65

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10- NOV- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193619

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K862979		16.75	0.16	1.3	0.156	2.41	33.5	22.1	0.28	98	1.62	0.46	5.1	1.7	560	71.0
Q006979		12.60	0.18	0.9	1.065	1.93	20.6	33.1	0.14	234	4.43	0.05	6.0	1.7	330	2010
Q006991		20.1	0.27	0.8	0.867	2.41	31.4	45.7	0.13	225	1.08	0.06	7.3	2.4	540	204
Q006810		15.70	0.29	2.3	3.06	1.88	32.2	41.0	0.17	86	16.25	0.06	8.7	1.4	810	1590
Q006821		15.65	0.22	1.3	1.620	2.96	32.5	10.5	0.26	191	1.56	0.20	7.5	2.1	560	1500
Q006843		7.21	0.22	0.9	3.51	1.87	14.9	22.5	0.10	89	2.74	0.08	5.1	1.2	250	>10000

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Finalized Date: 10- NOV- 2013
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CERTIFICATE OF ANALYSIS WH13193619

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
K862979		134.5	<0.002	0.45	12.80	10.5	2	3.7	86.4	0.48	0.49	18.6	0.160	1.80	2.7	64
Q006979		123.0	<0.002	0.79	111.5	6.4	2	5.4	189.0	0.48	2.20	7.2	0.185	2.35	4.8	50
Q006991		149.5	<0.002	2.09	23.2	8.7	2	1.8	144.0	0.53	2.72	13.1	0.222	1.69	4.2	77
Q006810		124.0	<0.002	2.21	188.0	8.8	2	6.1	291	0.61	5.85	13.8	0.246	2.20	10.7	54
Q006821		195.0	<0.002	1.19	43.3	8.9	1	6.1	170.0	0.69	0.62	14.9	0.231	2.82	6.0	66
Q006843		128.5	<0.002	2.79	181.5	4.0	2	17.0	106.0	0.33	2.59	4.5	0.160	1.97	2.3	31

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 10- NOV- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193619

Sample Description	Method / Analyte / Units / LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
K862979		1.6	10.1	213	32.2		
Q006979		4.4	4.5	579	23.8		
Q006991		2.6	8.5	745	22.5		
Q006810		3.6	6.7	224	87.4		
Q006821		3.7	6.3	604	33.7		
Q006843		2.0	3.9	190	29.9	159	1.035

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 10- NOV- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13193619

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method: FND- 03 SPL- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method: Ag- OG62 Au- AA24 ME- MS61 ME- OG62
Pb- OG62

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VANCOUVER BC V6B 1L8

Finalized Date: 12-NOV-2013
Account: ROCKHA

CERTIFICATE WH13196420

Project: KLAZA

P.O. No.:

This report is for 6 Coarse Reject samples submitted to our lab in Whitehorse, YT, Canada on 30-OCT-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

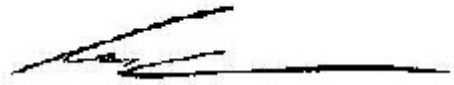
ALS CODE	DESCRIPTION	INSTRUMENT
Ag-AA13	Ag by cyanide leach and AAS	AAS
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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VANCOUVER BC V6B 1L8

Finalized Date: 12- NOV- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13196420

Sample Description	Method Analyte Units LOR	Ag- AA13 Ag ppm 0.03	Au- AA13 Au ppm 0.03
K862979		0.27	0.04
Q006979		17.34	1.07
Q006991		7.06	0.24
Q006810		25.41	1.26
Q006821		5.76	0.19
Q006843		101.05	1.25

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12- NOV- 2013
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH13196420

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
FND- 02

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag- AA13 Au- AA13

APPENDIX VII

EXCAVATOR TRENCH DATA

TR-13-40 (EXT)

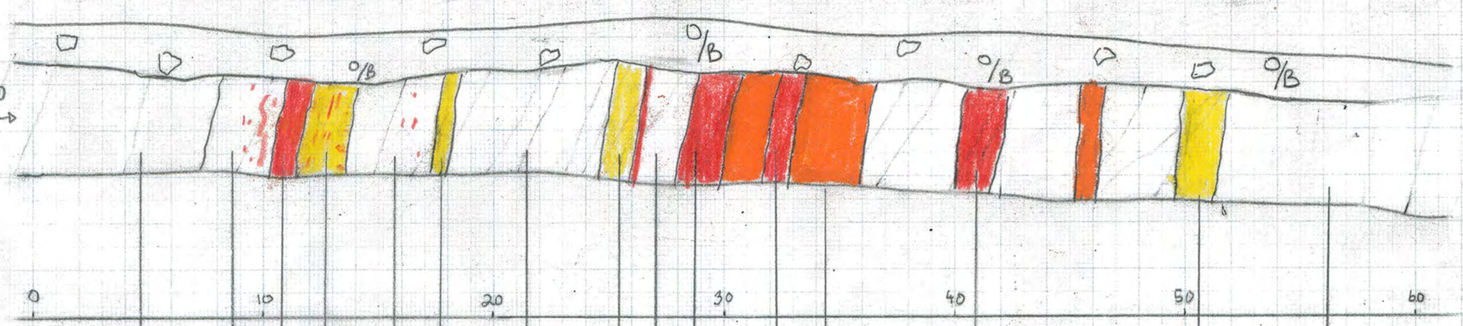
055°

383983mE
6889171mN

384037mE
6889213mN

405 - Gabbro
407 - Blank

K862901 K862902 K862903 K862904 K862905 K862906 K862907 K862908 K862909 K862910 K862911 K862912 K862913 K862914 K862915 K862916 K862917 K862918 K862919 K862920 K862921 K862922 K862923 K862924 K862925 K862926 K862928



Black/brown manganese/goethite stained med grained granodiorite. Pervasive argillic alt^n throughout.

Intensely sheared granodiorite hosting minor crushed qtz veining/stringer veining

Crushed/pitted qtz vein hosted within yellow clay gouge and pitted siliceous dyke and phyllic alt^ed granodiorite

Grab sample of vein @ 11.1m. taken in sample K862905

Grey milky qtz veining hosted in yellow clay gouge zone.

Strongly limonite stained

local dyke fragments in FW of vein zone

Strongly limonite / manganese stained phyllic and advanced argillic altered granodiorite

Extremely fractured w/ minor veining.

Yellow clay gouge.

Massive white qtz vein hosting disseminated to massive blebs of chalcopyrite. Vein trending 095/90.

Shear zone hosting highly fractured feldspar porphyry dyke w/ strong clay gouge (possibly altered x-cutting veins & veinlets) Host shear @ 137/90.

Massive white quartz vein w/ diss. pyrite & minor chalcopyrite

Massive green quartz vein hosting stringers & dissemination of pyrite throughout

Strong argillic altered granodiorite hosting massive 0.25m wide barren qtz vein @ start of interval.

Intensely clay alt^ed (to gouge) hosting local pockets of green pyrite bearing qtz veins.

Yellow, gouge, Very strongly clay altered granodiorite.

Granodiorite retaining primary textures but extremely alt.

Narrow limonitic stringers throughout

Orange clay gouge zone

green-grey medium grained prop. alt^ed granodiorite

Trench Geology

- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.
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TR-13-40 (Ext) MAP

KLAZA PROPERTY

0 2 4 6 8 10m

1:200

ROCKHAVEN RESOURCES LTD.

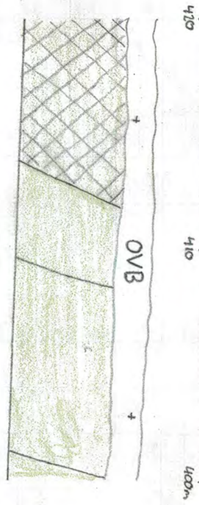
KLAZA

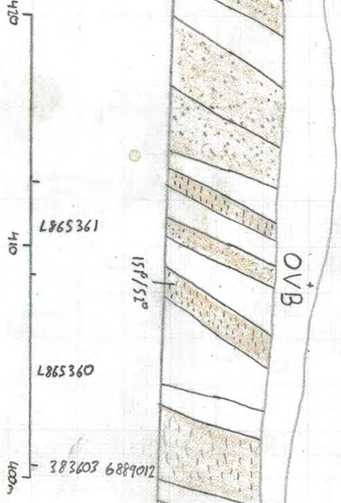
TR-13-40

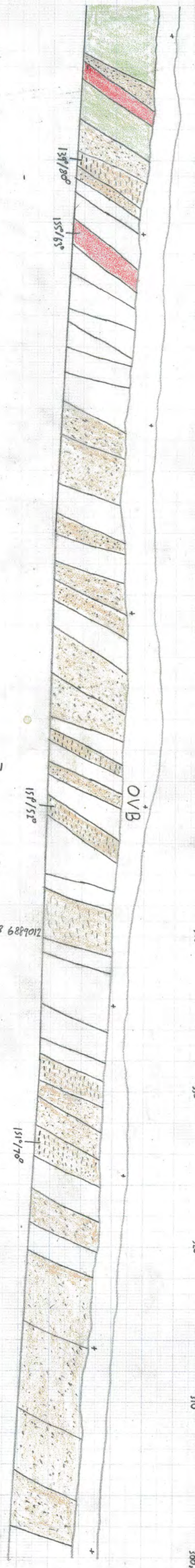
ARCHER, CATHRO & ASSOCIATES (1981) LTD.

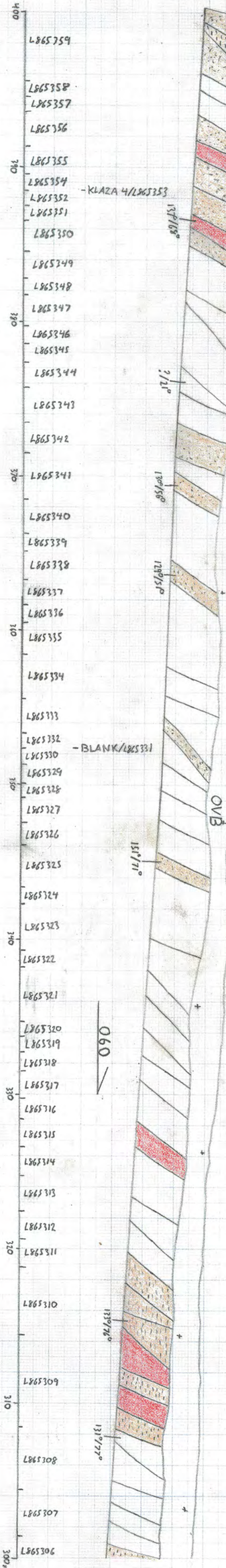
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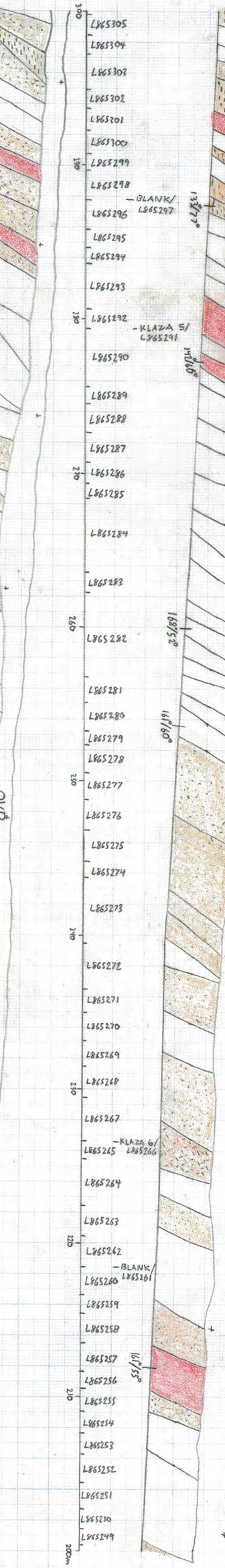
DRAWN BY: JARED TARSWELL | JUNE 19, 2013

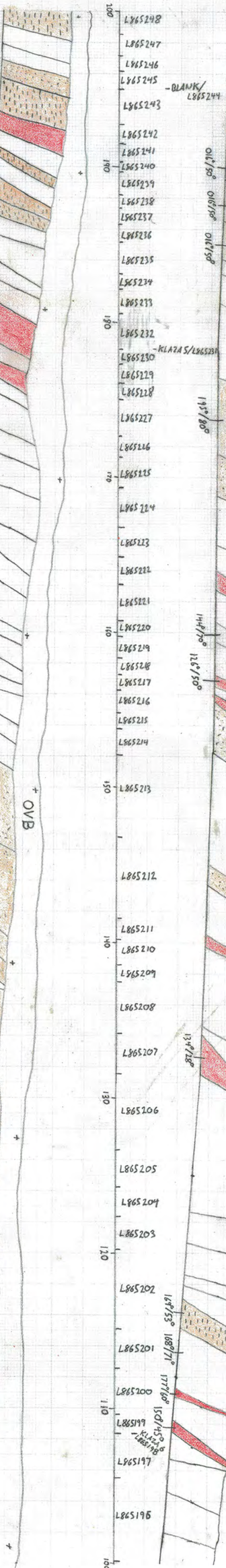












TR-13-40

TR-13-41 NORTH

025°

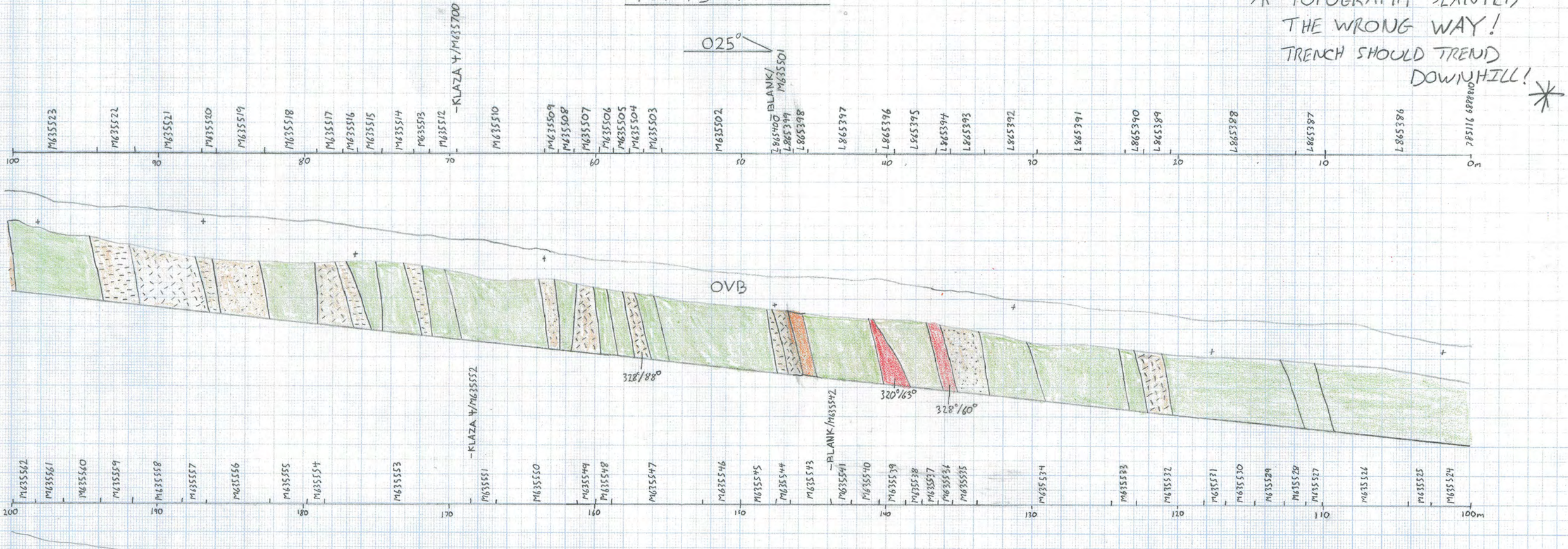


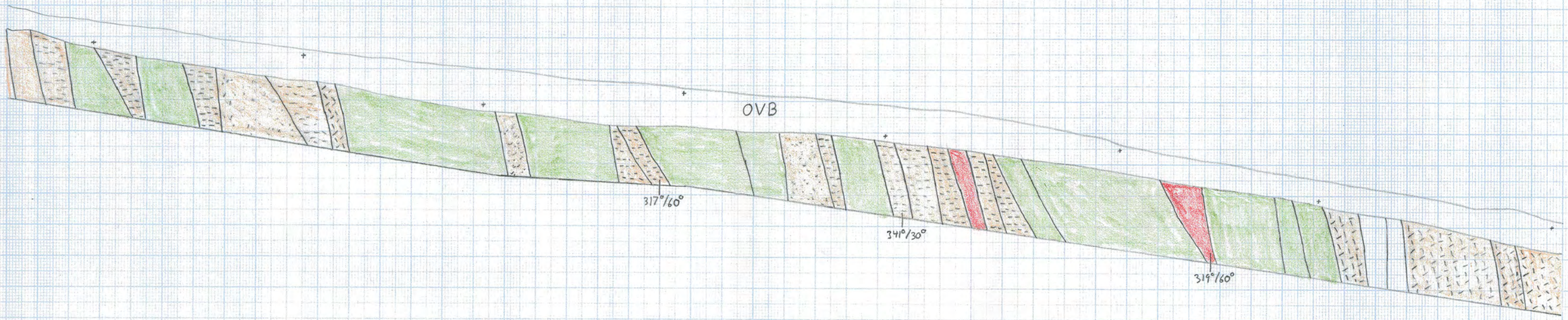
PAGE 2/2

TR-13-41 North

✳ TOPOGRAPHY SLANTED THE WRONG WAY! TRENCH SHOULD TREND DOWNHILL! ✳

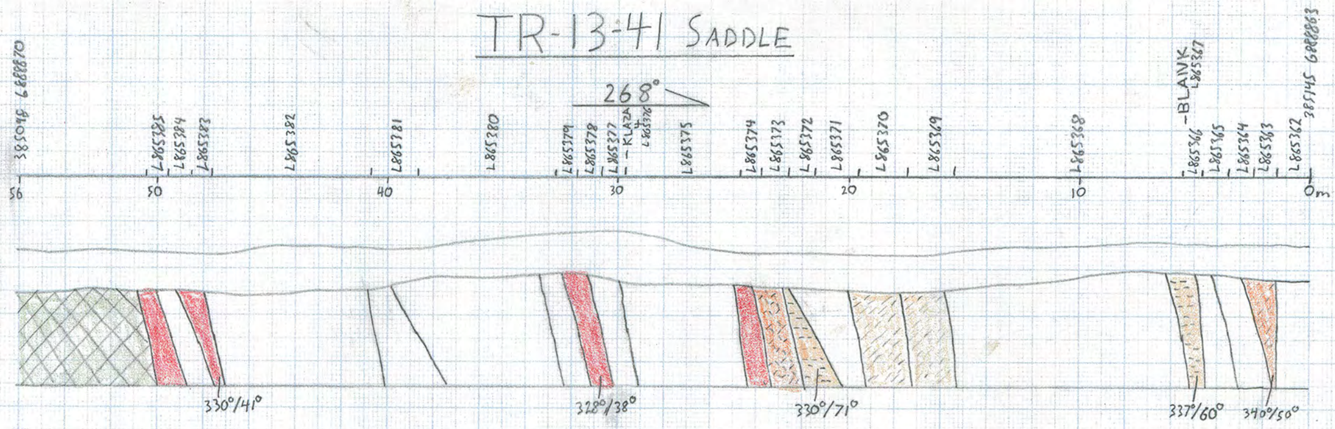
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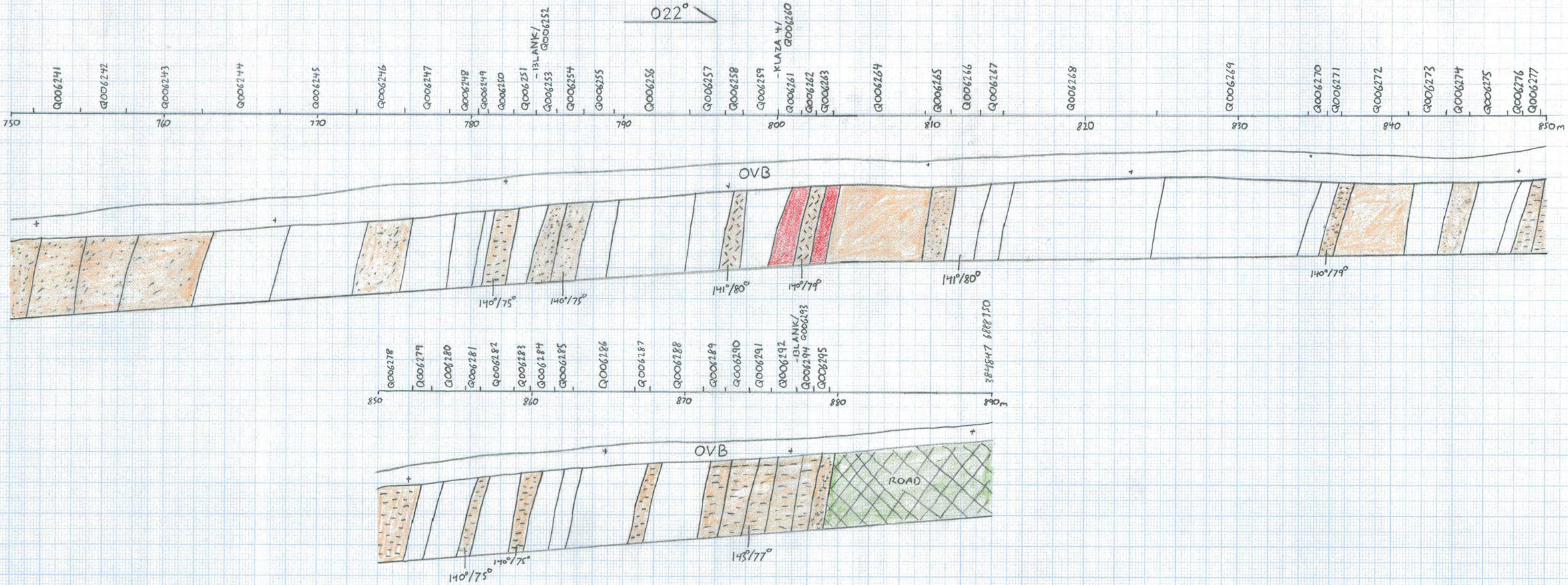
ROCKHAVEN RESOURCES LTD.	
KLAZA	
TR-13-41	
ARCHER, CATHRO & ASSOCIATES (1981) LTD.	
0 2 4 6 8 10 12 14	
DRAWN BY: JARED TARSWELL	JULY, 3, 2013

TR-13-41 SADDLE



ROCKHAVEN RESOURCES LTD.	
KLAZA	
TR-13-41 SADDLE	
ARCHER, CATHRO & ASSOCIATES (1981) LTD.	
0 2 4 6 8 10 12 14	
DRAWN BY: JARED TARSWELL	JULY 2, 2013

TR-13-41 SOUTH

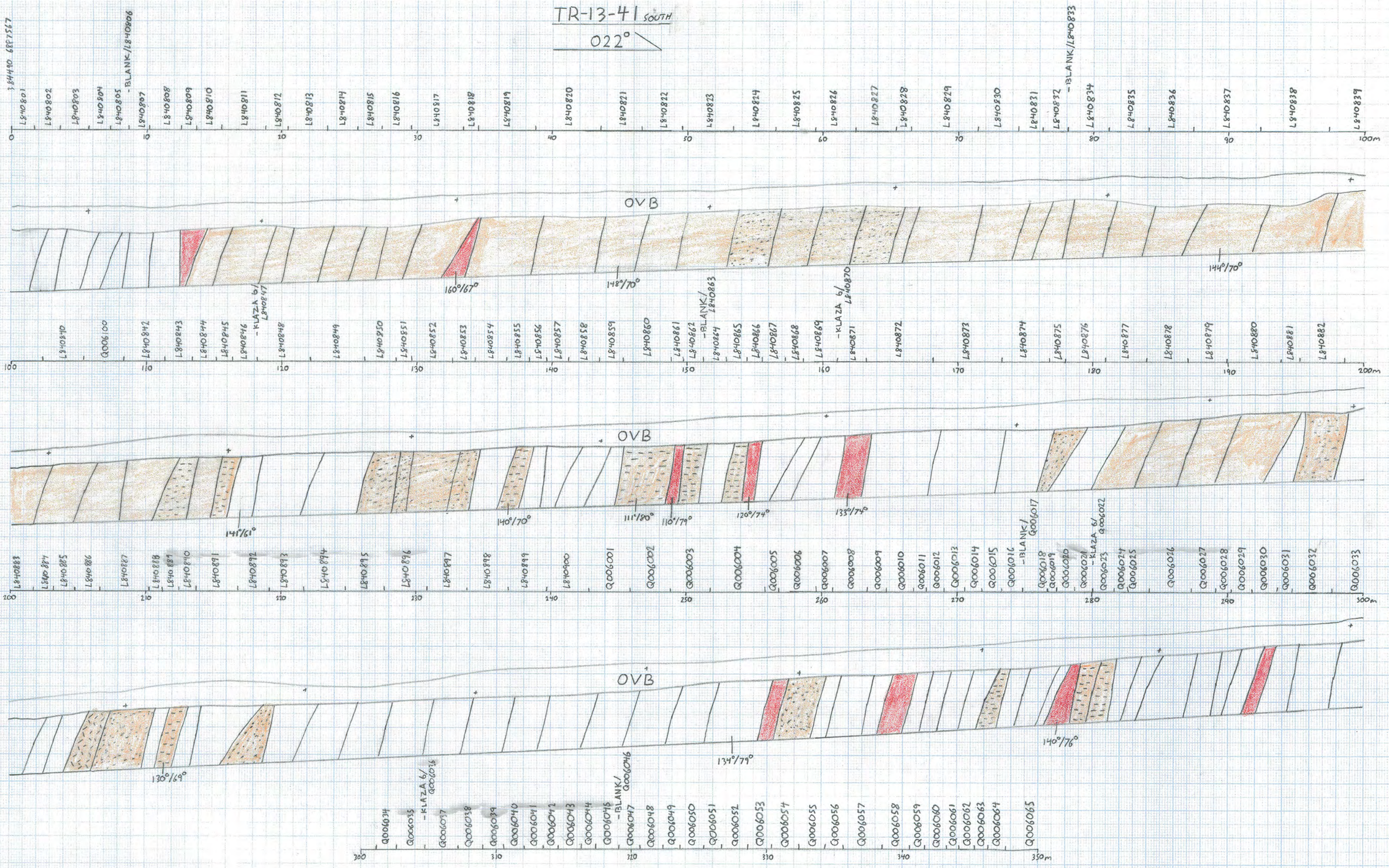


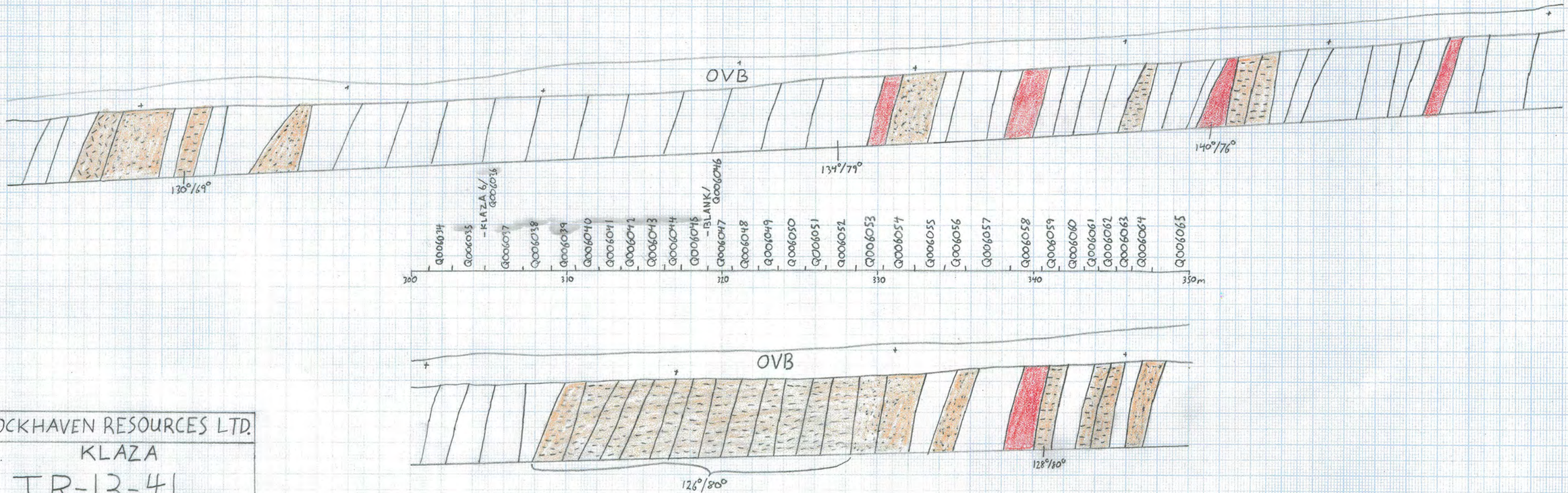
TR-13-41 SOUTH

022°

TR-13-41 SOUTH

022°





ROCKHAVEN RESOURCES LTD.

KLAZA

TR-13-41 SOUTH

ARCHER, CATHRO & ASSOCIATES (1981) LTD.

0 2 4 6 8 10 12 14

DRAWN BY: JARED TARSWELL | JULY 5, 2013

383582mE
6889111mN

TR-13-42

030°
Looking Northwest

Get Maps scanned when copied!
Do not fold!

Not sampled | K862996 | K862997 | K862929 | K862930 | K862931 | K862932 | K862933 | K862934 | K862935 | K862936 (K862937 - Grab, K862938 - Blank) | K862939 | K862940 | K862941 | K862942 | K862943 | K862944 | K862945 | K862946 | K862947 | K862948 = K862949 | K862950 (951 - Standard) | K862952 | K862953 | K862954 | K862955 | K862956 | K862957 | K862958 | K862959 | K862960 | K862961 | K862962 | K862963 | K862964 | K862965 | K862966 | K862967 | K862968 | K862969 | K862970 | K862971 | K862973 | K862974 | K862975 | K862976 | K862977 | K862978 | K862979

TR-10-13 was sampled in this area

O/B

165°/63°S
190/67°W
125/90°

125/44°

131/61
261/71
029/77

145°/58°

135/80

138/80S

154/64

60/181

0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 105

Grey Propylitic alt^{n} medium grained granodiorite

Grey fine grained Feldspar porphyry dyke hosting 5cm wide band of green clay gouge @ 125/71°S

White, locally pitted QV. hosting blebby cpy & py mzn. QV is hosted in phyllic alt^{ed} granodiorite. Vein trend @ 142°/69° (Grab @ K862937)

Shear zone hosting qtz-calcite stringer veins within hanging wall of clay alt^{ed} shear zone. limonite stained gouge present. Stringers @ 146/52°S (K862935)

Shear zone hosting strongly fractured to crushed Granodiorite. Yellow clay zones and green qtz vein hosts minor pits and is oriented @ 145°/58°SW (K862933)

Phyllic altered granodiorite grading into advanced argillic altered granodiorite. Minor qtz stringer zones throughout

Shear zone hosting qtz stringers and narrow clay gouge bands locally hosting crushed pyrite. Clay is yellow and very sticky (K862930) Shear zone trending 152°/62°S

Strongly phyllic alt^{ed} (very silicous) Granodiorite hosting abundant qtz stringers and pyrite (locally replaced by limonite) pits. Rock is strongly fractured @ 132°/60°S (dominant) 321°/58°N

Qtz stringer veins are hosted in 132°/60°S fractures (K862929)

Strong clay gouge developed on hanging wall contact of dyke. feldspathic dyke. Minor crushed quartz vein material in gouge.

Strong clay gouge band hosting minor quartz vein fragments throughout. Zone trending 138/80°S (K862944)

Phyllic alt^{ed} granodiorite with local pitted / limonitic quartz vein stringers (K862943)

Orange-yellow Clay vein hosting quartz vein clasts within strong shear zone (K862942)

Phyllic alt^{ed} Granodiorite One 5cm wide quartz vein hosting abundant sulphides (py, cpy) (K862941)

Very strong shear zone that appears to be mainly controlled by 020 structures. Granodiorite? is strongly clay alt^{ed} and limonite stained. Zone oriented across trench @ 135° (K862940).

Strongly phyllic alt^{ed} Granodiorite Numerous stringer qtz veins hosting disseminated pyrite

Purple, very fine grained feldspathic dyke.

Rusty, limonite alt^{ed} Granodiorite

Orange clay gouge band hosted in Granodiorite (K862949) 0.20m sample.

Strongly phyllic alt^{ed} Granodiorite (K862954)

Intense "nuclear yellow" clay gouge zone. (K862956)

Orange, limonite stained powdery gouge zone. (K862953)

Intense yellow clay gouge band. Very low grit component to clay. (K862952)

Heavily fractured orange, medium grained granodiorite with strong limonite crusted fracts. (K862957)

Nuclear yellow gouge hosting 6cm wide quartz vein oriented @ 184/85. Quartz is milky and hosts disseminated pyrite.

"Nuclear" yellow clay gouge zones locally hosting blue-green, medium grained, silicified phyllic alt^{ed} granodiorite

Rubbly oxidized zone oriented @ 132/80°S

(K862960-962)

1m wide yellow clay gouge zone centred by a 3cm wide pitted grey quartz vein trending 154/64°S

Orange, limonite stained, heavily fractured medium grained granodiorite

Yellow clay gouge vein

Fresh water spring producing 1 ga/min within heavily fractured granodiorite

Orange-yellow clay gouge band @ 118/90

Yellow clay gouge zone

Footwall contact of clay band @ 141/80

Yellow-orange clay gouge vein w/ silicious, phyllic altered granodiorite

Phyllic/advanced argillic alt^{ed} granodiorite Large relic joints still observed @ 232/61 182/50 168/70 (K862979)

Stockwork milky qtz veins enclosed by phyllic alt^{ed} granodiorite intrude intensely argillic alt^{ed} granodiorite

Brown limonitic stringer stockwork veins within argillic altered granodiorite country rock Veins/phyllic envelopes @ 181/60 075/90 162/71 (K862977-979)

Trench Geology

Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1978) LTD.

TR-13-42 MAP
KLAZA PROPERTY

0 2 4 6 8 10m
1:200





TR-13-42

030°

Looking Northwest

383654 mE
6889248 mN

K862981 K862982 K862983 K862984 K862985 K862986 K862987 K862988 K862989 K862990 K862992 K862993 K862994 K862995

O/B O/B O/B O/B

128°/68°S

125/82S
350/50E
183/62W

122/75

105 110 120 130 140 150 160

Intense yellow clay gouge vn hosting narrow (2cm) pitted quartz vein enveloped in strong phyllic altered granodiorite clay zone @ 128/68

a.10m wide intensely clay alt^{ed} feldspar porphyry dyke

Footwall contact @ 134°/79°S

Yellow-grey clay gouge vein associated w/ Footwall of feldspar dyke (K862982)

Very blocky, grey-green propolytic alt^{ed} medium grained granodiorite hosting minor clay bands.

Fractures @ 171°/60°
135/71°

Grey-orange medium grained argillic alt^{ed} granodiorite well fractured @ (K862992) 125/82S 350/50E 183/62W

Shear zone within argillic alt^{ed} granodiorite Shear trending @ 122/75 (K862993)

Intense clay gouge in footwall of zone. Clay is banded with yellow/red/orange/white coloration (K862989)

Grey medium grained, argillic to propolitic alt^{ed} granodiorite well fractured and host limonitic crusts. (K862994)

milky, highly shattered, sulphide (py) pitted quartz veins associated w/ blue phyllic alt^{ed} granodiorite

Zone trending 159°/69°S (K862988)

Strong shear zone hosting argillic alt^{ed} yellow granodiorite (K862995)

Orange clay gouge band within immediate hanging wall of vein zone

Trench Geology

- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.

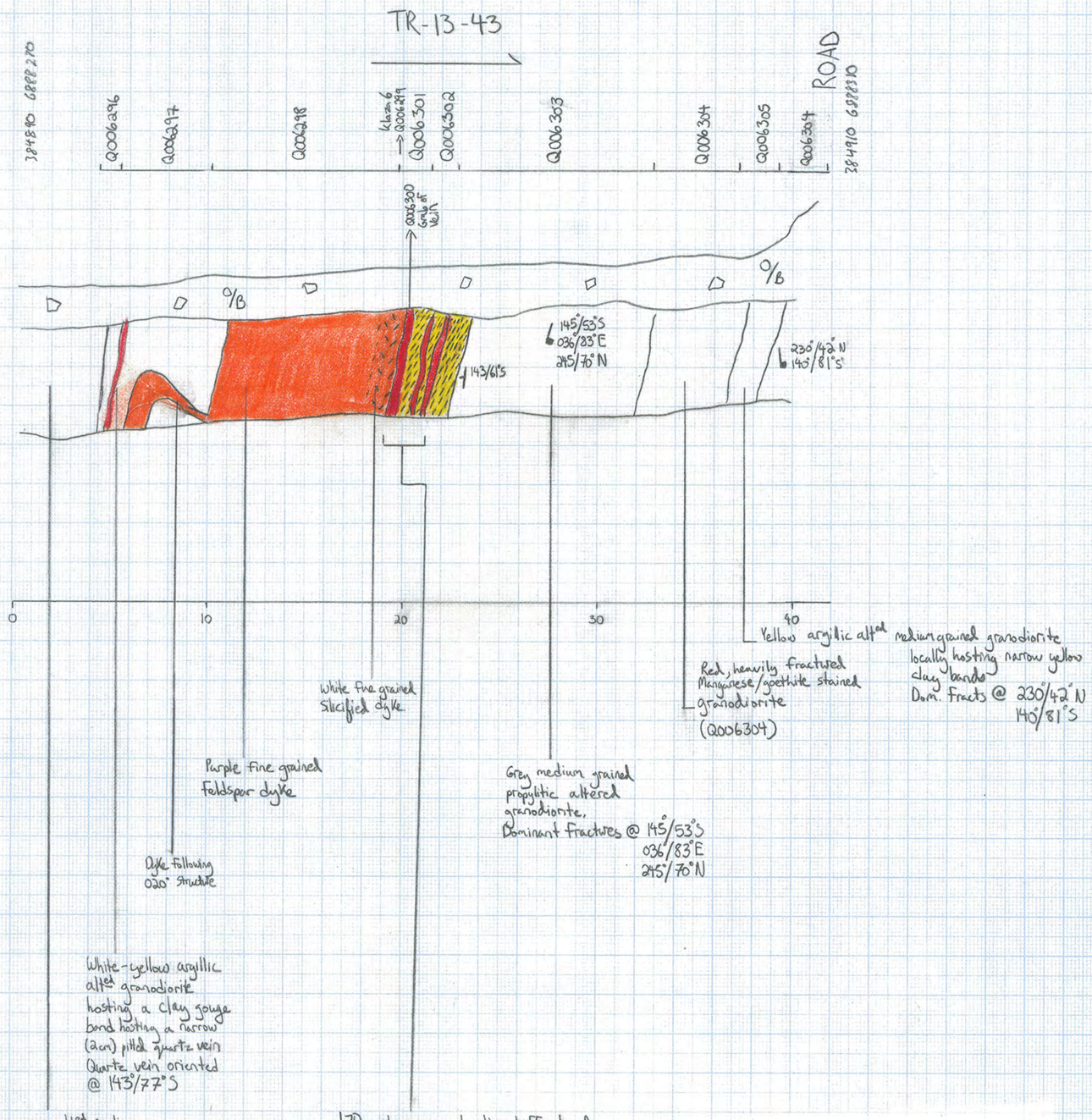
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR-13-42 MAP
KLA2A PROPERTY

0 2 4 6 8 10m

1:200

TR-13-43





Q006299 - Grab sample

Trench Geology

- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR-13-43 MAP
KLAZA PROPERTY

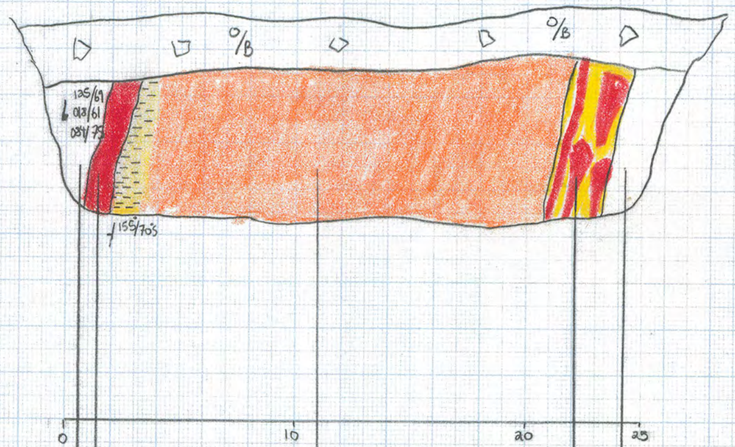
0 2 4 6 8 10m
1:200

382328mE
6889760mN

TR-13-44

382350mE
6889778mN

M635701 M635702 M635703 M635706 M635707 M635708 M635710 M635711 M635712 M635713-Grab M635714



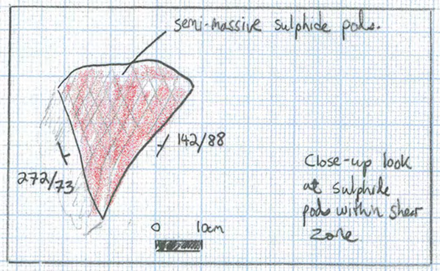
Grey, argillic alt^{ed} medium grained granodiorite hosting pervasive manganese staining. Highly sheared throughout.

Shear zone hosting three bands of massive sulphide and qtz bearing sulphide veins. Sulphides occur as banded or as pods of semi-massive to disseminated pyrite, arsenopyrite, galena and sphalerite. Zone trending 128°
Chip - M635712
grab - M635713.

Buff grey-purple fine grained feldspar porphyry dyke, locally cut by calcite vns btw stringers @ 15cm wide oriented between 135°/81°S & 015/45°E

1.05m wide highly fractured white qtz vein hosting pods of semi-massive to blebby medium grained pyrite, fine grained arsenopyrite, sphalerite and galena. Strong scorodite alteration and malachite staining locally. Bands and pods/pits of limonite throughout. Vein @ 155/70°S
Chip - M635702
grab - M635703.

Orange medium grained granodiorite. Highly fractured w/ strong goethite and manganese staining throughout.
Dominant Fracts @ 125/69 S
018/61 E
084/75 S
(M635701)



Close-up look at sulphide pods within shear zone

Trench Geology
- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

OCKHAVEN RESOURCES LTD.
RCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR-13-44 MAP
KLAZA PROPERTY

0 2 4 6 8 10m
1:200

381,680mE
6890348mN

STD
Q006333 KL424

Q006328-Brnk

TR-13-45
022° (Average)

381,726mE
6890,445mN

Q006335 Q006334 Q006333 Q006332 Q006331 Q006330 Q006329 Q006328 Q006327 Q006326 Q006325 Q006324 Q006323 Q006322 Q006321 Q006320 Q006319 Q006318 Q006317 Q006316 Q006315 Q006314 Q006313 Q006312 Q006311 Q006310 Q006309 Q006308 Q006307

O/B

126/73

044/88
137/90

060/81

134/vert
033/75
158/84

145/74

045/78°SE
128/51°S
085/75°S
160/73°SW

106 100 90 80 70 60 50 40 30 20 10 0

Grey medium grained granodiorite hosting fairly pervasive goethite and limonite staining throughout. Fracts @ 026/66E 082/88S 338/51N

BRX ZONE

Red limonite stained shear zone hosting highly fractured pitted qtz vein and pebble to cobble pieces of massive sulphide: galena, arsenopyrite, pyrite, and stibnite.

Strongly limonite alt$^{ed}_{=}$ granodiorite hosting red-yellow clay zone and a narrow qtz vein hosting local pyrite and sulphide pits @ 126/73S

Grey-pink Medium grained granodiorite hosting pervasive argillic alteration
Fracts/joints @ 044/82E 137/vert

Heavily Fractured grey brown, argillic and phyllic altered and limonite stained, medium grained granodiorite hosting local qtz veins (stringers and pods) hosting disseminated to stringer pyrite no sulphides in qtz near end of sample.

Two green, aphanitic dykes/xenoliths ??
within locally green-red-yellow clay gouge bands.

Very highly sheared, grey medium grained granodiorite
Manganese and limonite staining throughout fractured rock.

Possible BRX Zone

Purple-orange-white shear zone hosting crushed silicous fine grained feldspar porphyry dyke and qtz veins within strong purple-orange clay gouge bands.
Zone @ 060/81
Oblique to trench due to proximity to fault?

Grey-brown limonite alt$^{ed}_{=}$, medium grained granodiorite hosting narrow sheared sections and narrow white quartz vein swarms. No sulphides observed in quartz veins.

Very intensely Sheared / sericitic, orange granodiorite

orange, limonite altered medium grained granodiorite.
a lesser degree of shearing throughout but still Fairly fractured.
Minor hematite alteration along microfractures throughout... may have some affinities to drill core hosting silicous granodiorite w/ hematite stained fractures.
Fractures @ 124/90
033/75
158/84

Orange fine grained, limonite altered granodiorite
Sample Q006311 ends @ contact with dyke... very strongly altered @ contact
Dominant fractures @ 068/62

Mosaic of blue/purple/orange/green clay @ contact of orange-purple fine grained feldspar porphyry dyke
Contact @ 072/80°SE and parelleds shear zone

20cm wide clay gouge band... possibly a Splay off a dyke

Moderately Fractured, green, medium grained granodiorite hosting pervasive propylitic alteration throughout
Joints @ 045/78SE
128/51S
Very Dominant → 085/75°S
160/73°SW

Orange, extremely sheared (sandy) feldspar dyke. (most rock is sheared w/ no relic texture remains)

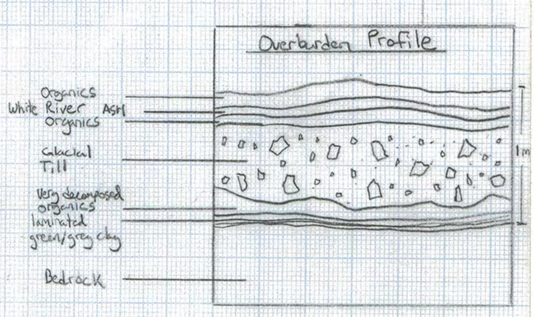
Strongly sheared, sandy feldspar porphyry dyke & grey-orange gouge. Dyke contact @ 056/90°

Grey-orange, limonite alt$^{ed}_{=}$, very highly sheared, medium grained granodiorite.

Very heavily sheared, very sandy, orange limonite alt$^{ed}_{=}$ feldspar porphyry dyke

Grey-purple-orange clay gouge @ contact of feldspar porphyry dyke. The main HW contact of dyke @ 142°/74°SW

Overburden Profile



Trench Geology
Line
Aplite dyke
Vein zone
Breccia zone
Clay gouge
Sheer zone
Silicious feldspar porphyry dyke
Feldspar porphyry dyke
Mafic porphyry dyke
Mt. Nansen Volcanics
Granodiorite
Unmapped
Known Mineralized Zone
Prestripped Trench

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TR-13-45 MAP (1 of 3)
KLAZA PROPERTY

0 2 4 6 8 10m
1:200

Q006352 | Q006351 STD Klaza 5 | Q006350 | TR-13-45 022° (Average) | Q006348 | Q006347 | Q006346 | Q006345 | Q006344 | Q006342 | Q006341 - Blank | Q006340 | Q006339 | Q006338 | Q006337 | Q006336

381665mE 6890335mN

381680mE 6890348mN

Very Frozen... resample in future??

O/B

112/85

170/90
300/61 N
158/82 S
034/86 E
130/05 E
096/36 S
073/66 S

120/80S

018/63
146/85

210 200 190 180 170 160 150 140 130 120 110 106

Semi-pervasive limonite staining and alt'n of host sandy grey medium grained granodiorite

0.70m area hosting pervasive limonite alt'n within very sandy granodiorite Trending 112/85

Grey weakly propylitic alt'd granodiorite

Grey, weakly propylitic alt'd medium grained granodiorite
Very well jointed/fractured @
Unsampled
170/90
300/61 N
158/82 S
034/86 E
130/05 E
096/36 S
073/66 S

Brown aphanitic siliceous dyke

Orange limonite alt'd medium grained granodiorite
Local shearing but appears to be the end of the main sheared complex

Brown-grey, limonite alt'd, medium grained granodiorite.
Well fractured throughout.
Dominant Fractures @ 018/63
146/85

Grey-green, phyllic alted (quartz-sericite-pyrite) granodiorite along footwall contact w/ feldspar dyke.

Grey-brown aphanitic dyke
Very strongly fractured

Hangingwall of dyke hosting a narrow zone of quartz vein breccia and strong limonite staining
Zone trending @ 120/80 S
Possible BRX Zone
Splay vein

Orange, limonite alt'd medium grained granodiorite locally strongly sheared
Narrow chaotic limonite alt'd stringers throughout



BRX Zone

Trench Geology
- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.

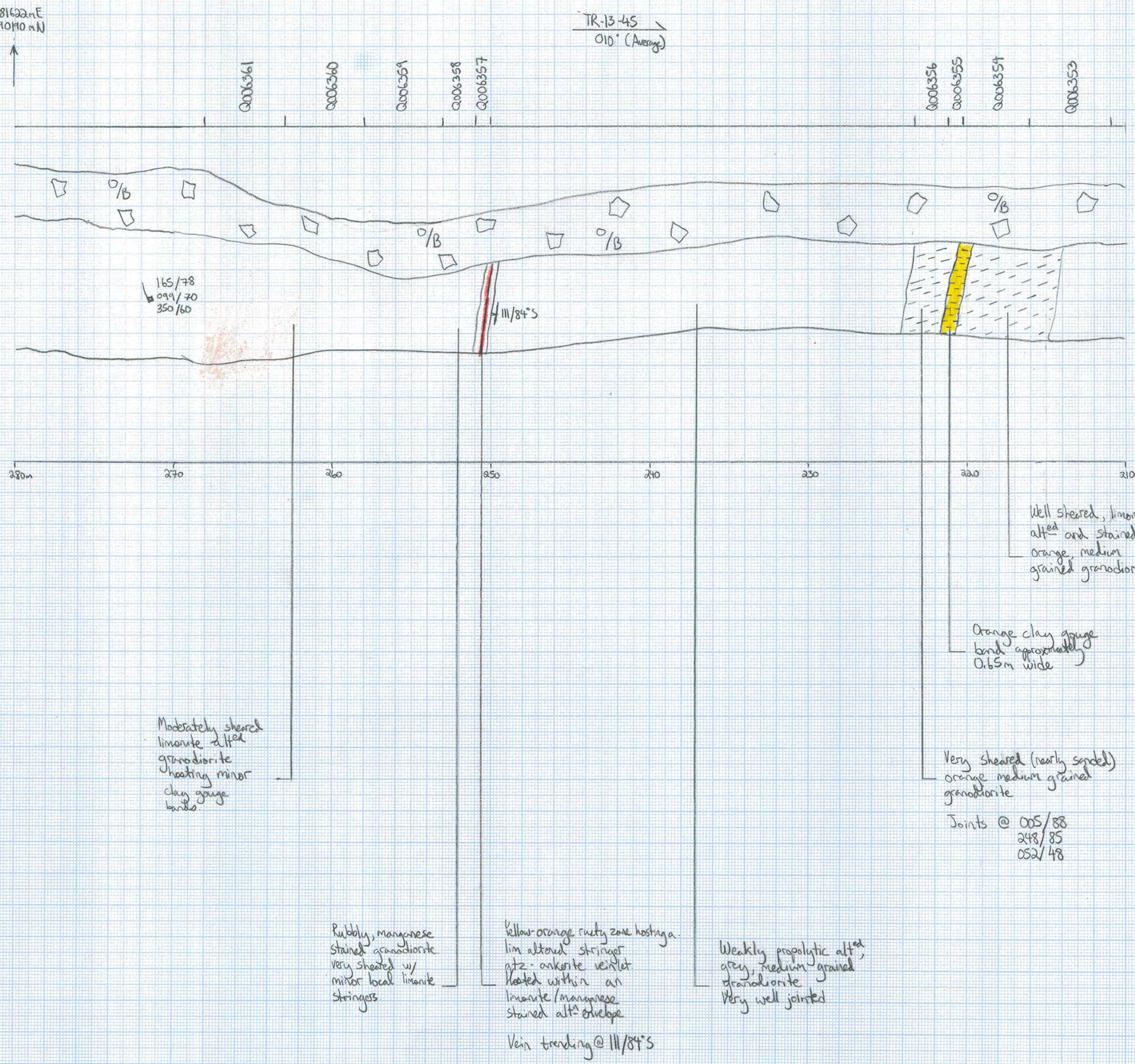
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR-13-45 MAP (2of3)

KLAZA PROPERTY

0 2 4 6 8 10m

1:200



Trench Geology

- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LTD.

TR-13-45 MAP (3 of 3)
KLAZA PROPERTY

0 2 4 6 8 10m

1:200

TR-13-46

030°

352819 6888292
FIRST 96m FROZEN!

Q0071101 Q0071102 Q0071103 Q0071104 Q0071105 – KLAZA 4/Q0071106 Q0071107 Q0071108 Q0071109 Q0071110 Q0071111 Q0071112 Q0071113 Q0071114 Q0071115 Q0071116 – BLANK/Q0071117 Q0071118 Q0071119 Q0071120 Q0071121 Q0071122 Q0071123 Q0071124 Q0071125 Q0071126 Q0071127 Q0071128 Q0071129 Q0071130 Q0071131 Q0071132 Q0071133 Q0071134 Q0071135 Q0071136 Q0071137 Q0071138 Q0071139 Q0071140 Q0071141 Q0071142 Q0071143 – KLAZA 4/Q0071144 Q0071145 Q0071146 Q0071147

96 100 110 120 130 140 150 160 170 180 190 200m

158°/70° 115°/30° 122°/70° OVB 129°/89° 124°/90° 131°/85° 115°/70° 146°/80°

Q0071148 Q0071149 – BLANK/Q0071150 Q0071151 Q0071152 Q0071153 Q0071154 Q0071155 Q0071156 Q0071157 Q0071158 Q0071159 Q0071160 Q0071161 Q0071162 Q0071163 Q0071164 Q0071165 Q0071166 Q0071167 Q0071168 Q0071169 Q0071170 Q0071171 Q0071172 Q0071173 Q0071174 Q0071175 Q0071176 Q0071177 Q0071178 Q0071179 Q0071180 Q0071181 Q0071182 Q0071183

200 210 220 230 240 250 260 270 280 290 300m

135°/75° 129°/90° OVB 148°/80° 129°/77° 133°/70°

– KLAZA 5/Q0071184 Q0071185 Q0071186 Q0071187 Q0071188 Q0071189 Q0071190 Q0071191 Q0071192 – BLANK/Q0071193 Q0071194 Q0071195 Q0071196 Q0071197 Q0071198 Q0071199 Q0071200 Q0071201 Q0071202 Q0071203 Q0071204 Q0071205 Q0071206 Q0071207 Q0071208 Q0071209 Q0071210 Q0071211 Q0071212 Q0071213 Q0071214 Q0071215 Q0071216 Q0071217 Q0071218 Q0071219 Q0071220 Q0071221 Q0071222 Q0006103

300 310 320 330 340 350 360 370 380 390 400m

OVB

154°/82° 155°/70° 140°/70° 138°/71° 139°/60°

FROZEN! →

Too frozen ←

Q0068922 Q0068921 Q0068920 Q0068919 Q0068918 Q0068917 Q0068916 Q0068915 Q0068914 Q0068913 Q0068912 Q0068911 410 – BLK Q0068909 Q0068908 Q0068907 Q0068877 Q0068876 Q0068875 Q0068874 Q0068873 Q0068872 Q0068871 STDWKJ-2008-10 Q0068869 Q0068868 Q0068867 Q0068866 Q0068865 Q0068864 Q0068863 Q0068862 Q0068861 Q0068860 Q0068859 Q0068858 Q0068857 Q0068856

400 410 420 430 440 450 460 470 480

UTM @ 383093mE 6888705mN

OB

Very Frozen!

Shear zone @ 137/78

132/89 345/78 295/71

355/73 359/64 189/27 120/78

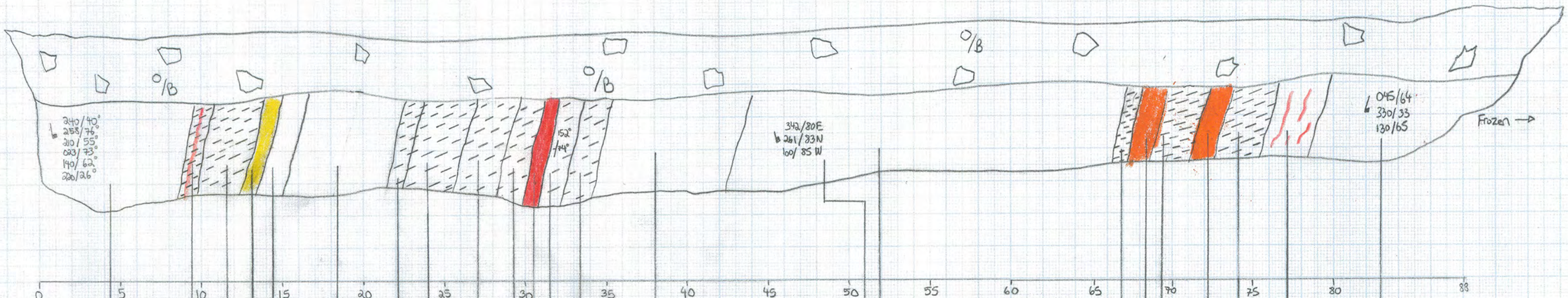
Legend here?

ROCKHAVEN RESOURCES LTD.
KLAZA
TR-13-46
ARCHER, CATHRO & ASSOCIATES (1981) LTD.
0 2 4 6 8 10 12 14
DRAWN BY: JARED TARSWELL | JULY 29 2013

381696 mE
6890288 mN

Q006381 Q006382 Q006383 Q006384 Q006385 Q006386 KL-SID-316 Q006387 Q006388 Q006389 Q006390 Q006391 Q006392 Blank-313 Q006394 Q006395 SID KL6-316 Q006397 Q006398 Swp Dep. of 318 Q006400 TR-13-47 K8638844 K8638845 K8638846 K8638847 K8638848 K8638849 Blank-850 Q006451 Q006452 Q006453 Q006454 Q006455 SID-4-456 Q006457 Q006458

381743 mE
6890364 mN



Well jointed, moderately fractured, grey medium grained propolitic alt^{ed} granodiorite

Dominant joints/fractures @
- 340/40° Dominant
- 258/76° Dominant
- 210/55°
- 083/73°
- 140/62° Dominant
- 220/26°

Shear zone hosting highly fractured/sandy limonite/manganese stained granodiorite hosting a 5cm wide qtz flooded zone

Zone trending @ 135/68°

Well sheared, orange, medium grained argillic alt^{ed} granodiorite

Sense of shear @ 140/70°

Heavily argillic alt^{ed} granodiorite hosting narrow limonitic pitted qtz stringer zones.

Very strongly argillic alt^{ed} and sheared granodiorite

Red-white, medium grained granodiorite hosting pervasive argillic alt^{on}. Moderately sheared throughout

Pervasive limonite alt^{n} throughout with local manganese on fracture surfaces

limonite/goethite/manganese stained qtz veinlets locally

Shear zone hosting a narrow (2cm) wide limonite pitted qtz vein. Pervasive limonite alt^{n} throughout entire shear

Locally lim. alt^{ed}, well fractured granodiorite pervasively magnetite stained.

Sheared and alt^{ed} granodiorite in footwall of vein zone hosting intensely argillic alt^{ed} granodiorite.

BRX VEIN ZONE

Intense yellow-green, scoradite alt^{ed} vein zone hosting stringes and pods of sulphide pitted quartz veins.

Vein trending 152/74°SW

Strong argillic grading to phyllic alt^{ed} granodiorite within hangingwall contact of vein zone. Cut by local quartz stringers throughout.

Orange & black, medium grained granodiorite. Very well fractured and strongly sheared @ end of sample @ contact with dyke or gouge zone. Sense of shear @ 164/vert

Pervasive goethite & manganese staining throughout

Orange, medium grained granodiorite hosting pervasive limonite alt^{n}

Moderate to weakly sheared

Very well fractured throughout

Argillic alt^{ed} GRD hosting pervasive limonite staining

Grey prop. alt^{ed} medium grained granodiorite very well jointed @
- 342/80E
- 261/83N
- 100/85W.

Qtz-calcite stringer vns (5 over 10 cm width) associated w/ strong limonite and manganese staining trending @ 350/90°

Extremely sheared, orange granodiorite within hanging wall of dyke granodiorite is very sanded w/ pervasive limonite alt^{n} throughout

Grey-blue, fine grained qtz-feldspar porphyry dyke hosting local qtz stringers associated w/ strong goethite staining.

locally mineralized w/ pyrite and minor malachite (after tetrahedrite?)

Heavily fractured/sheared orange medium grained granodiorite w/ local limonite pitted quartz veins.

Purple, heavily fractured qtz-feldspar porphyry dyke.

Dyke @ 340/52

Blocky brown medium grained granodiorite

Well jointed @
- 045/64°
- 330/33°
- 130/65°

Grey med. grained granodiorite. Strongly silicified w/ qtz veinlets totalling 20-25% of interval.

Orange-white-blk speckled & silicified granodiorite hosting white qtz-stockwork veins throughout.

Main stockwork orientations @ 088/73 (Dominant)
072/24

Sample taken on east rib because of slughs

Trench Geology
- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1988) LIMITED

TR-13-47 MAP
KLAZA PROPERTY

0 2 4 6 8 10
1:200

TR-13-48 ↘

Q0064101 Q0064102 Q0064103 Q0064104 Q0064105 Q0064106 Q0064107 Q0064108 Q0064109 Q0064110 Q0064111 Q0064112 Q0064113 Q0064114 – Q0064115-STD Q0064116 Q0064117 Q0064118 Q0064119 Q0064120 Q0064121 Q0064122 Q0064123 Q0064124 Q0064125 Q0064126 Q0064127 Q0064128 BLK 4129 Q0064130 Q0064131 Q0064132 Q0064133 Q0064134 Q0064135 Q0064136 Q0064137 Q0064138 Q0064139 Q0064140 Q0064141 Q0064142 Q0064143 Q0064144 Q0064145 Q0064146 Q0064147 Q0064148 4491 – Klaza STD #5 Q0064150

383695mE
6888655mN

1.75m avg O/B

O/B

140/77

133/74

152/75
211/65
279/55

169/72
250/83
126/85
065/78

→ cont.

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105

Highly sheared/rubbly brown orange shear zone x-cutting orange, med. grained granodiorite. Pervasive limonite staining throughout

@ HW contact w/ feldspar-qtz porphyry dyke oriented @ 140/77°

Blue-green qtz-feld porphyry dyke. Possibly related to larger intrusive Prospector Mtn Suite / Kelly porphyry. Local qtz veins & py stringers throughout.

0.95m wide shear zone oriented @ 133/74

large feld. porphyroblasts up to 1.5cm in width

BRX ZONE?
Orange-white, very gritty clay gouge vein hosting abundant broken dyke fragments UTM @ vein/dyke contact @ 383725mE 6888703mN

White-green-pink speckled very vuggy & silicified qtz-feldspar porphyry dyke. Appears to have a different affinity than the previously mapped QFP. Locally completely x-cut w/ green qtz stringers that are sulphide pitted & vuggy

Oriented @ 129/80°

Orange clay gouge along footwall contact of QFP

Shear zone hosting very rubbly, aphanitic dyke material. Minor limonitic pits throughout

Orange-red stained shear zone hosting rubbly dyke fragments & orange clay gouge

Oriented @ 128/78°

Major structural zone begins ↘

@ 383737mE 6888715mN.

Orange limonite altd, very rubbly shear zone

limonite altd rubbly shear zone hosting 25cm wide brown clay gouge vein.

Green-blue-white speckled, pyrite bearing quartz-feldspar porphyry dyke. Narrow pyrite and quartz vein stringers throughout (~2 per metre) with very competent local silicous brown phases.

Orange clay gouge vein @ contact w/ QFP & Granodiorite

UTM @ contact @ 383743/6888723. Pervasively limonite stained and locally hematite stained throughout.

Extremely rubbly & manganese-goethite stained. Highly sheared granodiorite

Orange, very highly sheared granodiorite. Pervasive limonite staining throughout

Weakly to moderately strained, blue-green-grey qtz feldspar porphyry dyke.

Orange-black limonite goethite stained clay gouge.

ROCKHAVEN RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LTD.

TR-13-48 MAP (Page 1 of 2)

KLAZA PROPERTY

0 2 4 6 8 10m

1:200

Q006450 Q006901 Q006902 Q006903 Q006904 Q007008 Q007007 Q007006 Q007005 Q007004 Q007003 STD WLS-08a Q007001 Q007250 Q007249 Q007248 Q007247 Q007246 Q007245 Q007244 Q007243 Q007242 Q007241 Q007240 Q007239 Q007238 Q007237 3% - BLK Q007235 Q007234 Q007233 Q007232 Q007231 Q007230 Q007229 Q007228 837-WLS Q007226 Q007225 Q007224 Q007223

UTM @ 383790mE 6888718mN

%B %B %B %B

105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 178.47

Brown, aphanitic feldspar dyke weakly limonite altered

Same as previous but w/ increase in narrow clay gouge zones w/ sense of shearing increasing

Brown, lim. stained clay gouge

Goethite/manganese/hematite stained highly fractured and altered qtz feldspar porphyry

Highly sheared, propylitic & argillic altered granodiorite Minor sericite/hematite development

Extremely phyllic altered, limonite stained sheared zone hosting silicious fragments throughout.

Strongly hematite stained qtz-vein material. Argillic altered; coarse grained granodiorite and selvages

Weak clay gouge zone x-cut by both hematite stringers and 3-5cm wide qtz veins. Strongly hematite stained.

Hematite/limonite veins x-cutting arg altered GRD. oriented @ 120/68.

Phyllic altered granodiorite blue, silicious in bands, hosting argillic and hematite altered/stained bands and veinlets patching sheared zones present interval largely competent

Strongly goethite/hematite stained, argillic altered granodiorite hosting stock-work clay veinlets.

Hematite/limonite veins (parallel) x-cutting an extremely sheared, argillic altered zone Intrusive fragments throughout minor clay present

Propylitic/argillic altered granodiorite w/ hematite/clay veinlets banded throughout (~60/m) oriented @ 140/66

Extremely argillic altered shear zone yellow/orange colour, Silicious intrusive fragments throughout

Strongly hematite/manganese stained propylitic/argillic altered granodiorite

goethite stained clay gouge

Gritty clay gouge orange-yellow colour

Strongly manganese stained, fine grained (chilled margin) grey granodiorite

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ARCHER, CATHRO & ASSOCIATES (1981) LTD.

TR-13-48 MAP (Page 2 of 2)

KLAZA PROPERTY

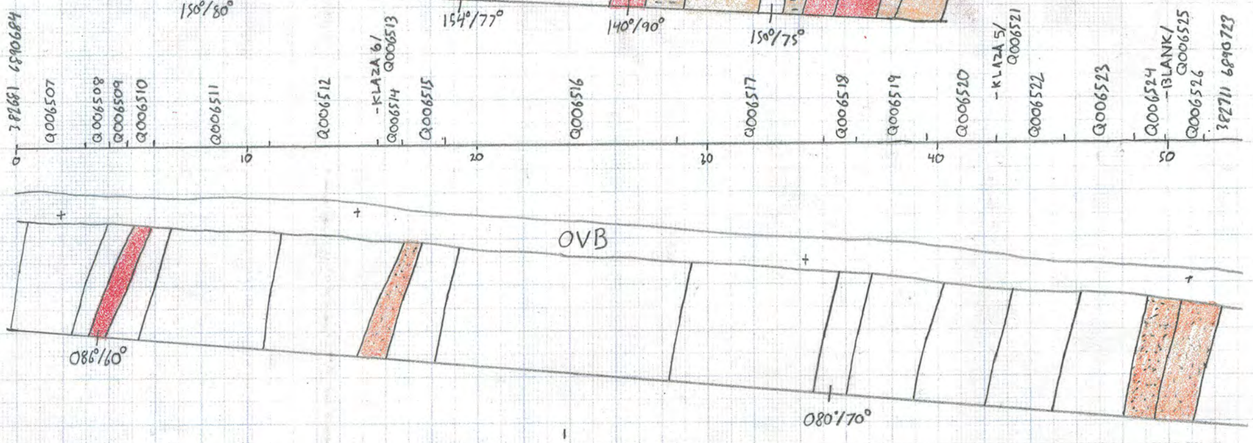
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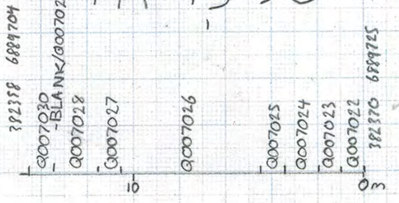
TR-13-51

035°
BRX/KLAZA INFILL TRENCHES

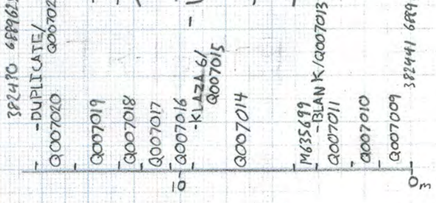


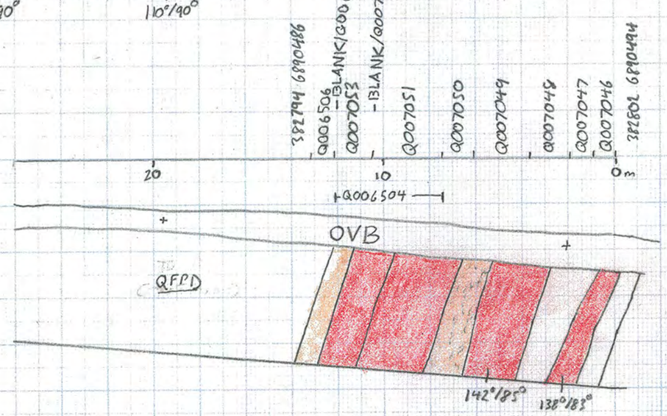


TR-13-50

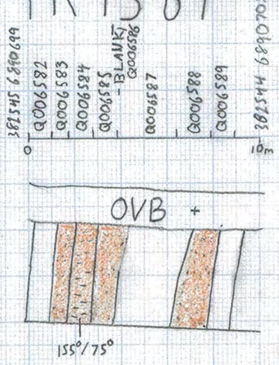


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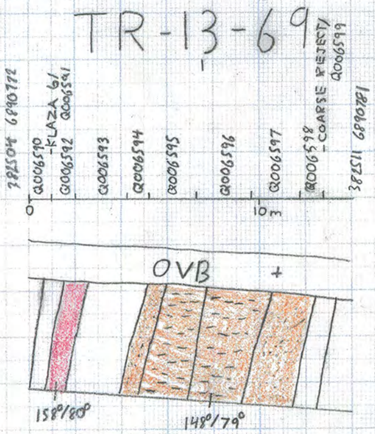




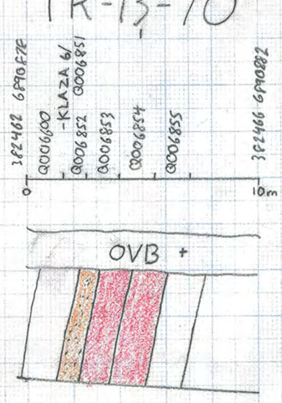
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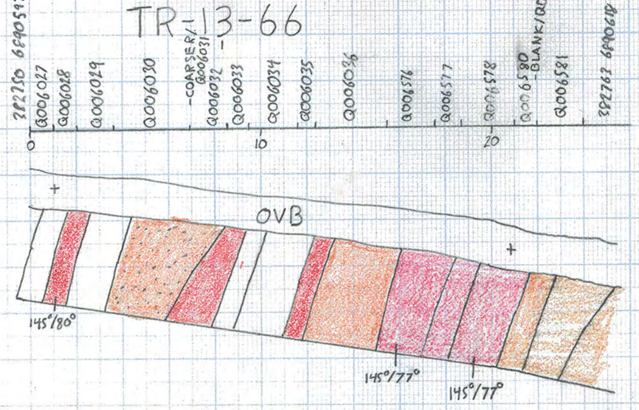
TR-13-65
TR-13-69



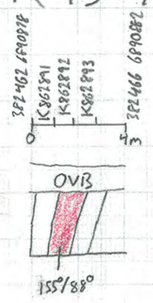
TR-13-70



TR-13-52
TR-13-66



TR-13-71



ROCKHAVEN RESOURCES LTD.

KLAZA
INFILL
TRENCHING

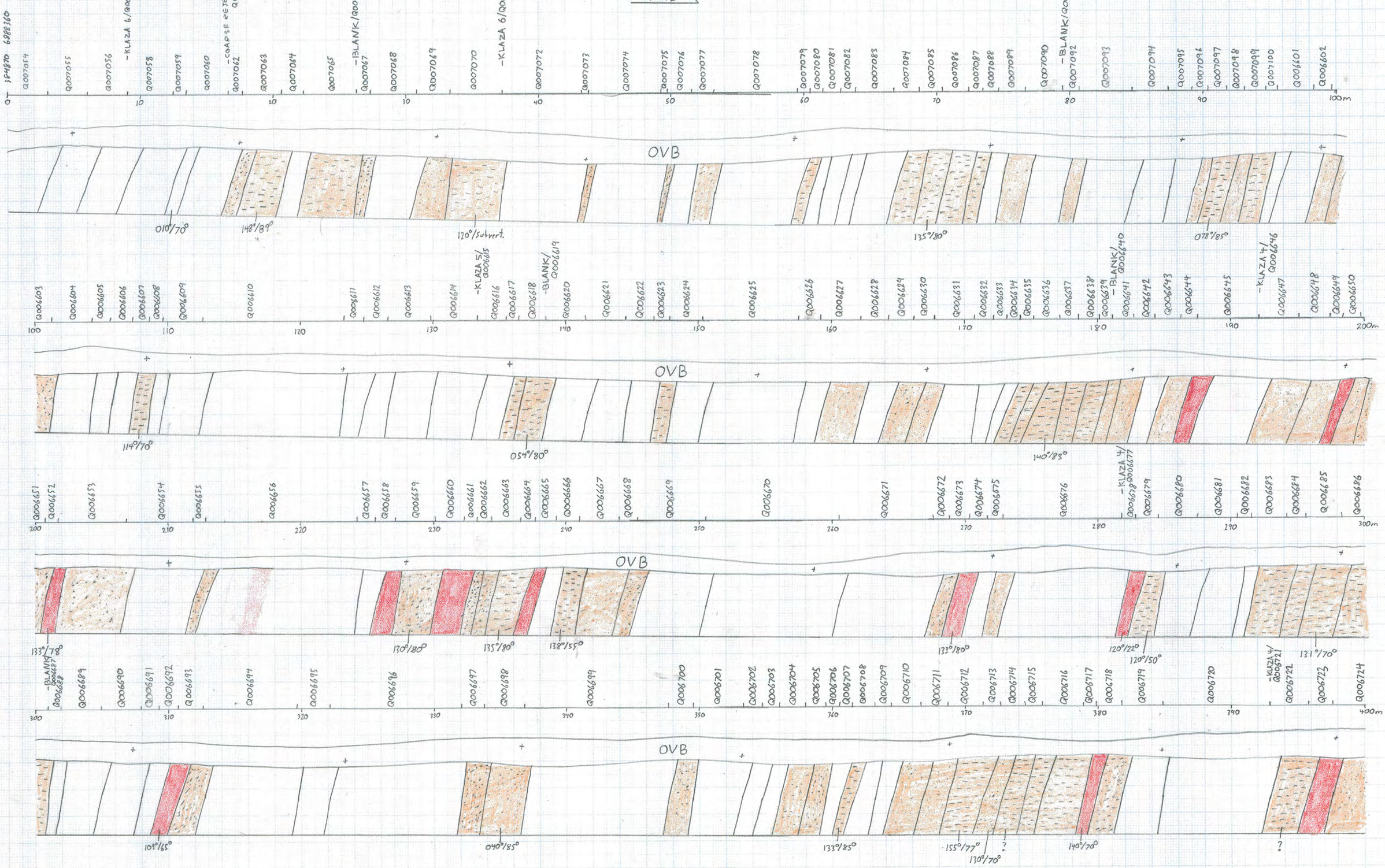
ARCHER, CATHRO & ASSOCIATES (1981) LTD.

0 2 4 6 8 10 12 14m

DRAWN BY: JARED TARSWELL | JULY 26, 2013

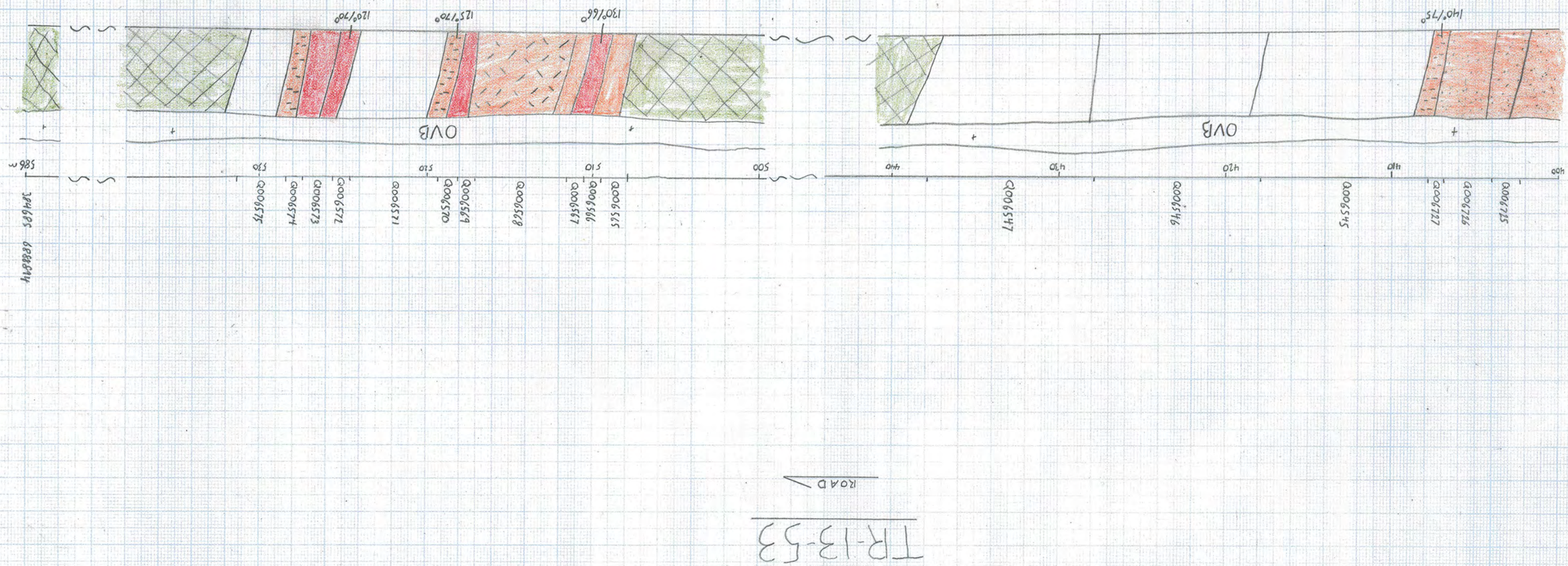
TR-13-53

ROAD

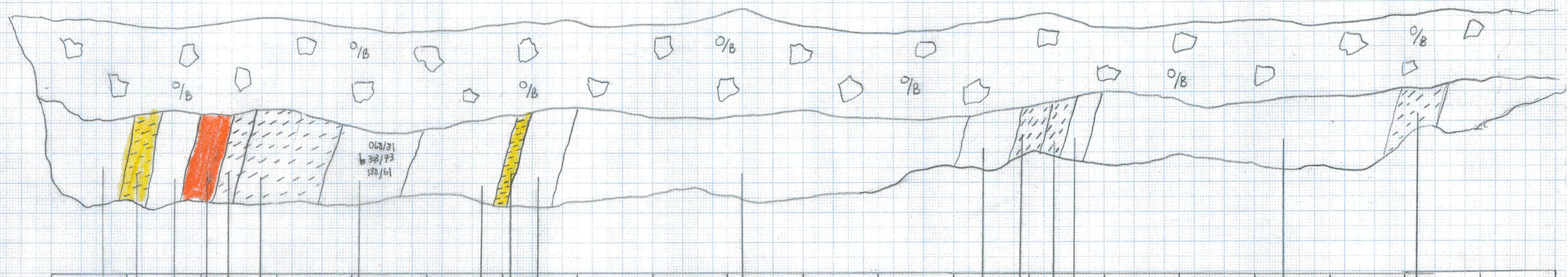


ROCKHAVEN RESOURCES LTD.	
KLAZA	
TR-13-53	
ARCHER, CATHRO & ASSOCIATES (1981) LTD.	
0 2 4 6 8 10 12 14	
DRAWN BY: JARED TAMSWELL	JULY 29, 2013

TR-13-53


ROAD
OVB
OVB
130°/66°
125°/70°
120°/70°
140°/75°
4468889
5286
500
510
520
530
540
550
560
570
580
590
600
610
620
630
640
650
660
670
680
690
700
710
720
730
740
750
760
770
780
790
800
810
820
830
840
850
860
870
880
890
900
910
920
930
940
950
960
970
980
990
1000

Q0064459 | Q0064460 – Bank: 461 | Q0064462 | Q0064463 | Q0064464 | Q0064465 | Q0064466 | Q0064467 (187°) | Q0064468 | Q0064469 | Q0064470 | Q0064471 – Curve in trench | Q0064472 | Q0064473 – Curve in trench @ 4+78 | TR-13-54 (150°) | Q0064474 | Q0064475 | Q0064476 | Q0064477 | Q0064478 | Q0064479 | Q0064480 | STD 4-1981 | Q0064482 | Q0064483 | Q0064484 – Bank: 485 | Q0064486 | Q0064487 →



Grey-green, medium grained granodiorite hosting weak propylitic alt^{n} throughout.
Joints @ 172/85
244/62
Measurements are fairly unreliable due to frost heave within frozen wall

Orange limonite alt^{ed} clay gouge hosting broken fragments of silicified granodiorite and qtz veins
No sulphides present

Sheared, orange medium grained granodiorite & hanging wall contact of feld. porph dyke.

Orange, fine grained feldspar porphyry dyke very highly sheared & trending @ 080/75°

Dyke hosts narrow silicified bands encrusted w/ limonite.

Green, phyllic alt^{ed} (qtz-sericite-pyrite) granodiorite

Moderately argillic alt^{n} granodiorite hosting narrow pods/stringers of limonite
Increased shearing near end of interval

Very blocky green med grained granodiorite weakly prop. alt^{ed}
Joints @ 068/81
348/73
188/61

Blocky, green, med grained granodiorite hosting local shearing @ 358/88

Orange clay and limonite alt^{ed} shear zone trending @ 115/75°

Argillic Altered Zone is oriented parallel to trench wall @ 001°
Orange powdered

* Curve in trench @
381276/6891461
to south: 187°
to north: 150°

Extremely blocky, grey, medium grained granodiorite

Grey, white speckled, clay alt^{n} granodiorite within fairly broad shear zone grading into green, phyllic alt^{ed} granodiorite

Green, phyllic alt^{ed} granodiorite very highly sheared very frozen as well

Argillic alt^{ed} granodiorite fairly sheared

Argillic alt^{n} granodiorite hosting narrow, limonite alt^{ed} pods & stringers throughout sample interval.
trending @ 126°

Green weakly prop. alt^{ed} granodiorite

Moderately sheared green granodiorite

Trench Geology
- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

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TR-13-54 MAP
KLAZA PROPERTY

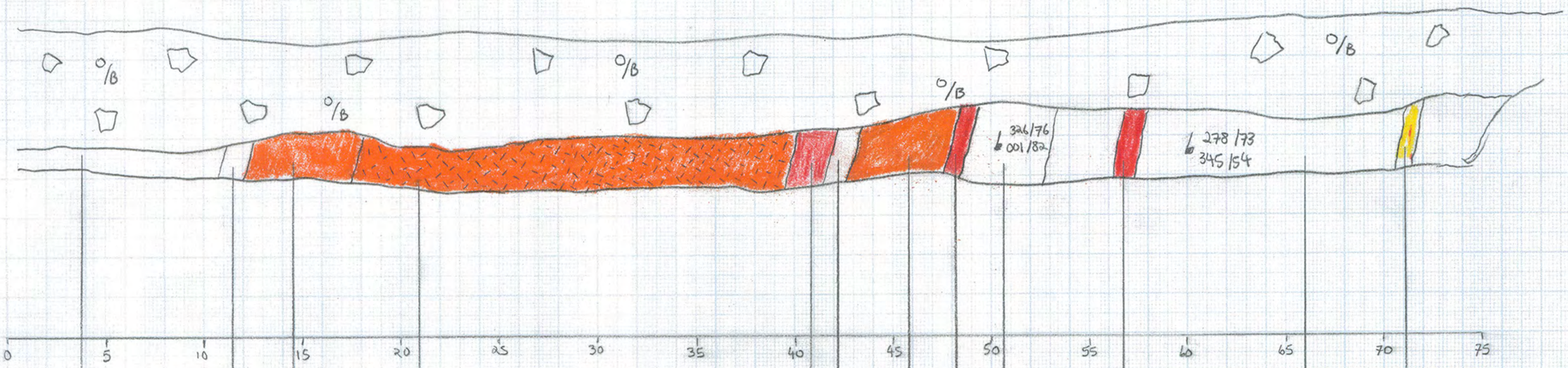
0 2 4 6 8 10m
1:200

TR-13-55

UTM @ 381587mE 6890466mN

Q0069155 Q0069156 Q0069157 Q0069158 Q0069159 Q0069160 Q0069161 Q0069162 Q0069163 Q0069164 BLK-965 Q0069166 Q0069167 Q0069168 Q0069169 Q0069170 Q0069171 STD #6 9726 Q0069173 Q0069174 Q0069175 Q0069176

UTM @ 381635mE 6890547mN



Grey, argillic altd frozen granodiorite fragments within frozen overburden

Purple, Fine grained feldspar porphyry dyke

Brown, Frozen overburden hosting clasts of white siliceous feldspar porphyry dyke

White siliceous Feldspar (rhyolitic) dyke.

@ 22.35 UTM: 381597mE 6890505mN

BRX ZONE

Strongly limonite & manganese stained shear zone within footwall contact of white siliceous dyke. Local qtz veining w/ brxx.

Grey, medium grained granodiorite highly sheared & argillic altd

Green-grey rhyolite dyke. Highly sheared and strongly argillic altd

Interval hosting 0.65m vein hosting irregular pods/blebs of arsenopyrite and pyrite within milky white & light green qtz gange.

Footwall contact

Phyllic grading into weak argillic altd granodiorite. Fairly blocky fracts/joints @ 326/76 001/82

BRX ZONE

1.45m wide red-orange-yellow zone hosting qtz vein breccia. Quartz vein typically hosts hosts disseminated pyrite, arsenopyrite & local scorodite altn

UTM @ 381621mE, 6890535mN.

Orange, limonite stained shear zone hosting local clay gouge band (yellow)

Shear zone trending @ 142/80

Trench Geology
- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

Trench is extremly frozen in the initial 40m

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TR-13-55 MAP

KLAZA PROPERTY

0 2 4 6 8 10m

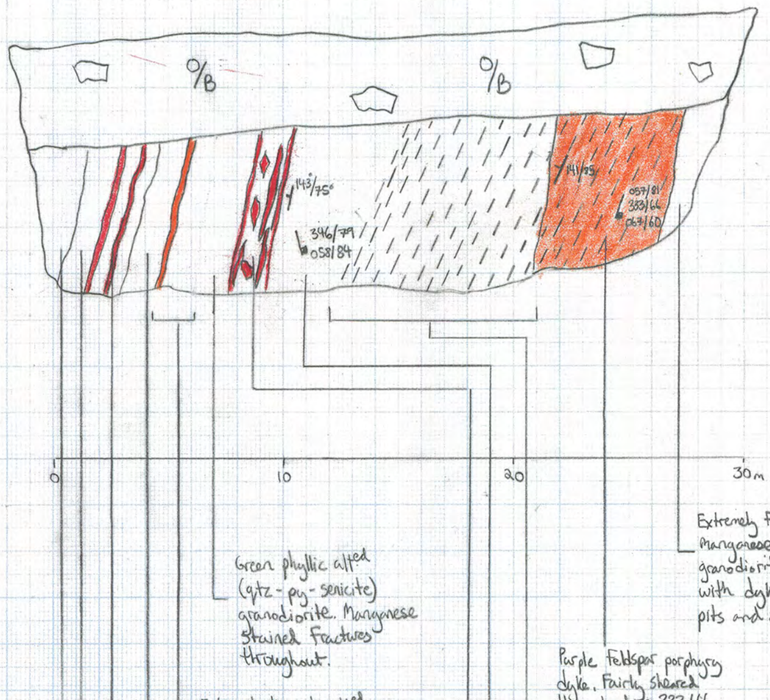
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381514mE
6890566mN

TR-13-56

381537mE
6890590mN

Q006489 | Q006490 | Q006491 - Q006493 - BLANK | Q006495 | Q006494 | Q006495 | Q006496 | Q006497 | Q006498 | Q006499 - Poly Dyke | Q006500 | Q006501 - Q006502 3D Meas | Q006503 | Q006504



Green phyllic alt^{ed} (qtz - py - sericite) granodiorite. Manganese stained fractures throughout.

Extremely limonite alt^{ed}, very strongly pitted Feldspar porphyry dyke (15cm wide) enveloped by very strongly sheared, phyllic alt^{ed} granodiorite hosting strong clay bands and pitted qtz stringers.

Black-orange-green limonite - phyllic alt^{ed} granodiorite hosting extremely strong goethite + manganese staining throughout

Green-grey-red coloured clay bands within alt^{ed} granodiorite hosting numerous clay bands and two white qtz veins hosting local sulphide pits. Zone trending @ 123°/70°

Green, strongly phyllic alt^{ed} (qtz, py, sericite) granodiorite hosting numerous narrow clay gouge bands.

Highly argillic alt^{ed} and sheared brown medium grained granodiorite. Local limonitic pits throughout that appear to be associated with narrow exotic quartz vein stringers

Extremely frozen, sheared, manganese - goethite stained granodiorite on FW contact with dyke. Local limonite pits and stringers throughout.

Purple feldspar porphyry dyke. Fairly sheared throughout @ 333/66 (main sense of shear).

Highly sheared / baked purple argillic alt^{ed} granodiorite
No relic joints / fracts preserved.

Moderately argillic alt^{ed} brown granodiorite. Weakly sheared
Joints / Fractures @
346° / 79° E
058° / 84° S

BRX ZONE

1.30m chip sample (Q006496) across extremely phyllic alt^{ed} green-yellow granodiorite hosting numerous limonite alt^{ed} qtz breccia zones and white, sulphide pitted qtz veins. Pervasive sericite staining / alteration throughout

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TR-13-56 MAP
KLAZA PROPERTY

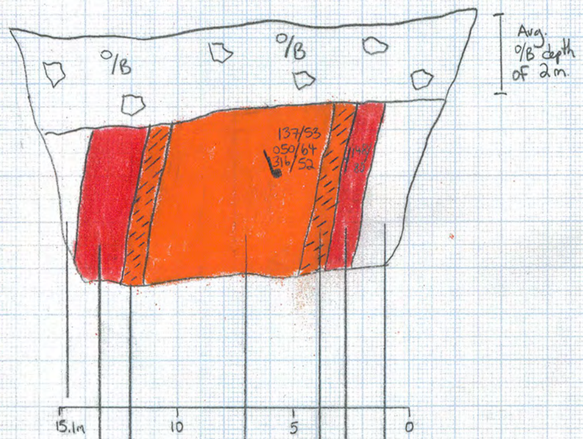
0 2 4 6 8 10m

382092mE
6890027mN

TR-13-57
035°

382104mE
6890043mN

Q006986 Q006985 Q006984 Q006983 Q006982-SD45 Q006981 Q006980 Q006979 Q006978 Q006977



Orange, weakly limonite stained granodiorite.

BRX VEIN ZONE
Yellow, strongly clay altered granodiorite hosting abundant yellow clay pods and bands throughout interval. Very little quartz vein fragments present.

Brown
Extremely sheared, limonite stained feldspar porphyry dyke along hanging wall contact.

Contact oriented @ 142/85

Yellow, highly sheared and argillic altered, medium grained granodiorite hosting frozen clay bands and minor white broken qtz veins.
"Nuclear" yellow colour increases to south.

BRX VEIN ZONE
Sample interval (2.00-3.10m) includes a mixture of orange clay gouge (25cm) followed by extremely sheared white qtz vein (very minor pits) emplaced within green phyllic altered (qtz-py-sericite) (60cm) followed by brown-orange clay gouge immediately adjacent to the footwall contact of feldspar porphyry dyke.

Note: Qtz vein content in sample is under represented in comparison to abundant qtz seen in pile.

Brown medium grained feldspar porphyry dyke
Very strongly sheared along footwall contact.

Contact w/ BRX vein @ 148/80

Brown feldspar porphyry dyke. Well jointed @ 137/53
050/64
316/52

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TR-13-57 MAP
KLAZA PROPERTY

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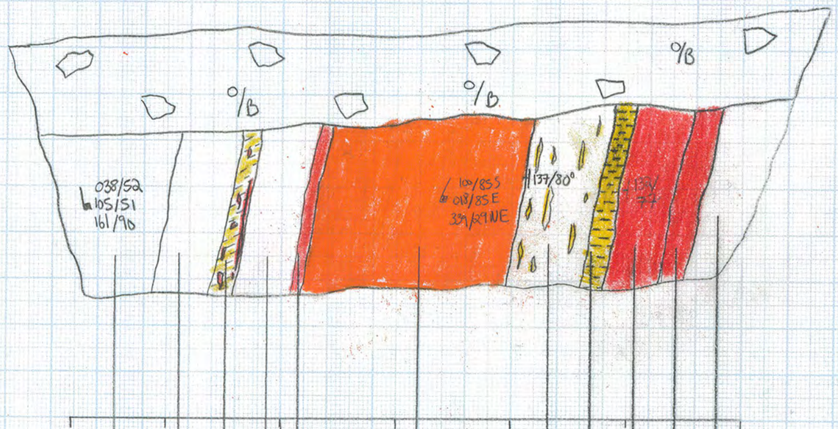
382115mE
6889980mN

382135mE
6890004mN

TR-13-58
035°

Q006997 - Grab
Q006992 - Blank
Q006988 Core rejected by RBT

Q006751 Q007000 Q006999 Q006998 Q006996 Q006995 Q006994 Q006993 Q006991 Q006990 Q006989 Q006987



39.20m 25 20 15 10 5 0

Weakly clay alt'd limonite stained granodiorite.

Fairly well fractured manganese stained argillic alt'd granodiorite

Shear zones hosting two zones of intense clay alt'n. Nuclear yellow w/ local pods and stringers of limonite alt'n. One very narrow (3cm wide) massive galena-arsenopyrite vein.

Limonite stained, clay alt'd granodiorite locally hosting narrow shear zones with strong clay alt'n

0.5m chip consisting of a 0.10m wide, massive galena-arsenopyrite-tetrahedrite vein within strongly manganese stained/clay alt'd granodiorite

Grab (Q006997) of massive fine to course grained galena

Grey-blue, feldspar porphyry dyke

Well jointed @ 100/85°S
018/85°E
339/29° NE

Orange medium grained granodiorite hosting weak to moderate limonite alteration throughout (pervasive)

- 133/57 (Fracture)
- 352/75 (joint)
- 112/52 (joint)

} Poor measurements

BRX VEIN ZONE

Brown-green clay gouge @ footwall contact of BRX vein zone. Gouge zones are emplaced within strongly phyllic (quartz-sericite) altered granodiorite.

'Nuclear' yellow-orange clay vein zone hosting numerous vuggy white and brown-green qtz veins hosted within extremely clay alt'd to phyllic (qtz-py-sericite) altered granodiorite

Zone located @ 382138mE/6890005mN and oriented @ 132/77

Hanging wall of vein zone hosts very strong orange-yellow clay gouge

Orange-brown, medium grained argillic altered granodiorite Highly strained/sheared @ footwall contact of feldspar porphyry dyke

Narrow white/red clay gouge bands throughout

Local limonite stained pods immediately on contact

- 172/79
- 051/62
- 273/68

Granodiorite-Dyke contact @ 137°/80° WTM @ 382135mE 6890000mN

ROCKHAVEN RESOURCES LTD.

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TR-13-58 MAP

KLAZA PROPERTY

0 2 4 6 8 10m

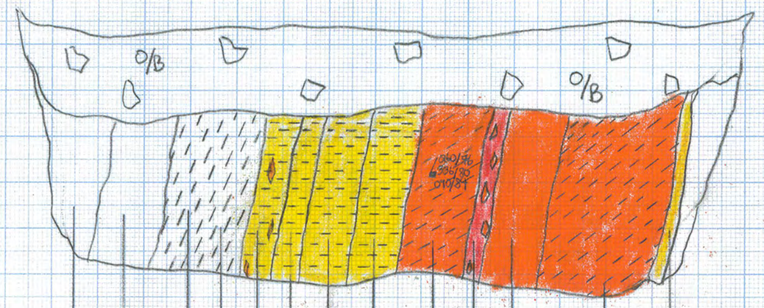
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382180mE
6889905mN

TR-13-59
033°

382198mN
6889927mE

Q006752 - BLANK
Q006753
Q006754
Q006755 - STD#5
Q006756
Q006757
Q006758
Q006759
Q006760 - BLANK
Q006761
Q006762
Q006763 - Coarse Pyrite & Qtz/Brx
Q006764
Q006765
Q006766
Q006767
Q006768
Q006769 - STD#5



0 5 10 15 25 28.20m

Grey-brown, medium grained granodiorite hosting weak argillic alt^{n} throughout; very blocky

Strain/shear zone hosting very rubbly, manganese stained granodiorite w/ local silicified zones throughout. Pervasive limonite alt^{n} & staining throughout as well. Approx. sense of shear @ 131°

Some as previous w/ increase shearing

Extremely sheared, limonite alt^{ed} and manganese stained granodiorite

Yellow/white clay gouge band @ start of wide, extremely clay altered vein zone. Very frozen but hosting very minor pieces of qtz & argillic alt^{ed} granodiorite.

UTM @ 382183mE
6889912mN

Intense yellow/orange-ochre clay gouge zone

Intense yellow clay vein zone hosting fragments of vuggy/pitted (minor) white quartz vein and grey, sulphide bearing quartz fragments. Noticable strongly clay alt^{ed} granodiorite throughout.

Very Frozen

'Nuclear' orange-yellow clay gouge on hanging wall contact with feldspar porphyry dyke. Pervasive limonite staining throughout.

Orange brown limonite alt^{ed} feldspar porphyry dyke. Very well fractured throughout interval. Dominant joints/fractures @ 260/76, 336/80, 090/84

Orange-yellow, highly limonite pitted qtz vein/breccia vein hosting clasts of dyke. Zone trending @ 123/80

Blocky grey feldspar porphyry dyke hosting local limonite alt^{n} mainly as pits & vugs.

Purple, heavily sheared argillic alt^{ed} feldspar porphyry dyke. Nearly completely sanded near end of interval

Footwall contact w/ dyke hosting a 25cm wide band of brown-red clay.

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TR-13-59 MAP
KLAZA PROPERTY

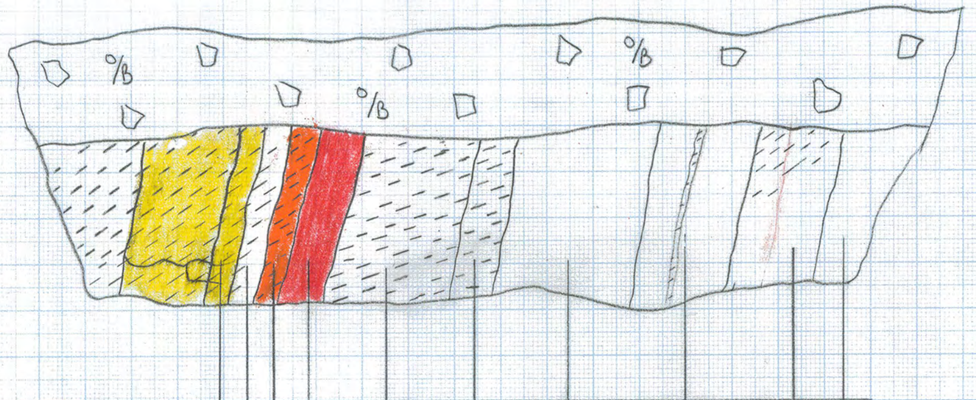
0 2 4 6 8 10m
1:200

382630mE
6889432mN

TR-13-60
035°

382651mE
6889460mN

Q006740 Q006739 Q006738 Q006737 Q006736 Q006735 Q006734 Q006733 Q006732 Q006731 Q006730 Q006729 Q006728 Q006727 KLAZA SHOW Q006726 Q006725 Q006724 Q006723



Orange-red, moderately limonite alt'd, medium grained granodiorite

Black-orange-white mosaic of limonite-phyllic-argillic alt'd moderately sheared granodiorite

Phyllic alt'n loosely controlled by increase in stringer qv's that are strongly limonite pitted and manganese stained.
↳ 104/82 - fracts controlling veins
355-006/69 - Manganese & limonite crusts w/ minor pyrite preserved

Similiar to preceeding zone w/ strongly argillic alt'd shear zone @ 133/81

Orange clay gouge hosting crushed limonite alt'd granodiorite
Very frozen

Green phyllic alt'd (sericite-py-qtz) within brown limonite stained clay gouge.

Orange, extremely clay alt'd (to gouge)... may be feldspar dyke?

Green, weakly propylitic alt'd granodiorite

BRX ZONE
'Nuclear' yellow clay vein zone hosting 40cm interval of broken white quartz vein hosting disseminated (2%) pyrite.

Footwall contact of white vein zone @ 382634/6889442

Highly sheared and rubbly, red medium grained granodiorite
↳ @ 041/78
121/73 main controlling structures

Pervasive limonite alt'n throughout

Increase in argillic alt'n towards vein zone (south)

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TR-13-60 MAP

KLAZA PROPERTY

0 2 4 6 8 10m
1:200

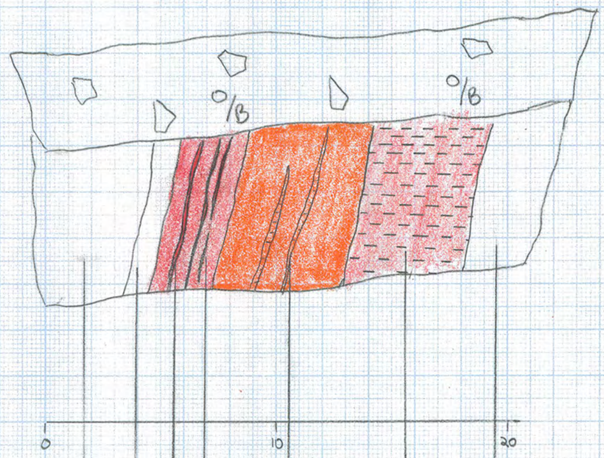
382554mE
6889510mN

TR-13-61
025°

382565mE
6889537mN

BLANK - Q006802

Q006794 Q006795 Q006796 Q006797 Q006798 Q006799 Q006800 Q006802 Q006803 Q006804 Q006805



Weakly propolytic altd, grey-green, medium grained granodiorite

Moderately to highly fractured orange-grey granodiorite hosting local limonite alt°

BRX VEIN

Nuclear yellow, phyllic altd clay gouge hosting nuretous yellow clay vein bands and three dominant white qtz veins (5-15 cm wide) hosting nurerous sulphide pits & vugs (Q006795)

Similiar style veining as previous sample w/ veins emplaced along the hanging wall contact of feldspar porphyry dyke.
Contact @ 131/85°
UTM: 382556mE / 6889519mN

Brown, very rubbly feldspar porphyry dyke hosting locals bands of yellow clay gouge.

Footwall contact of dyke @ 382559mE/6889532mN

White-orange, argillic altered medium grained granodiorite

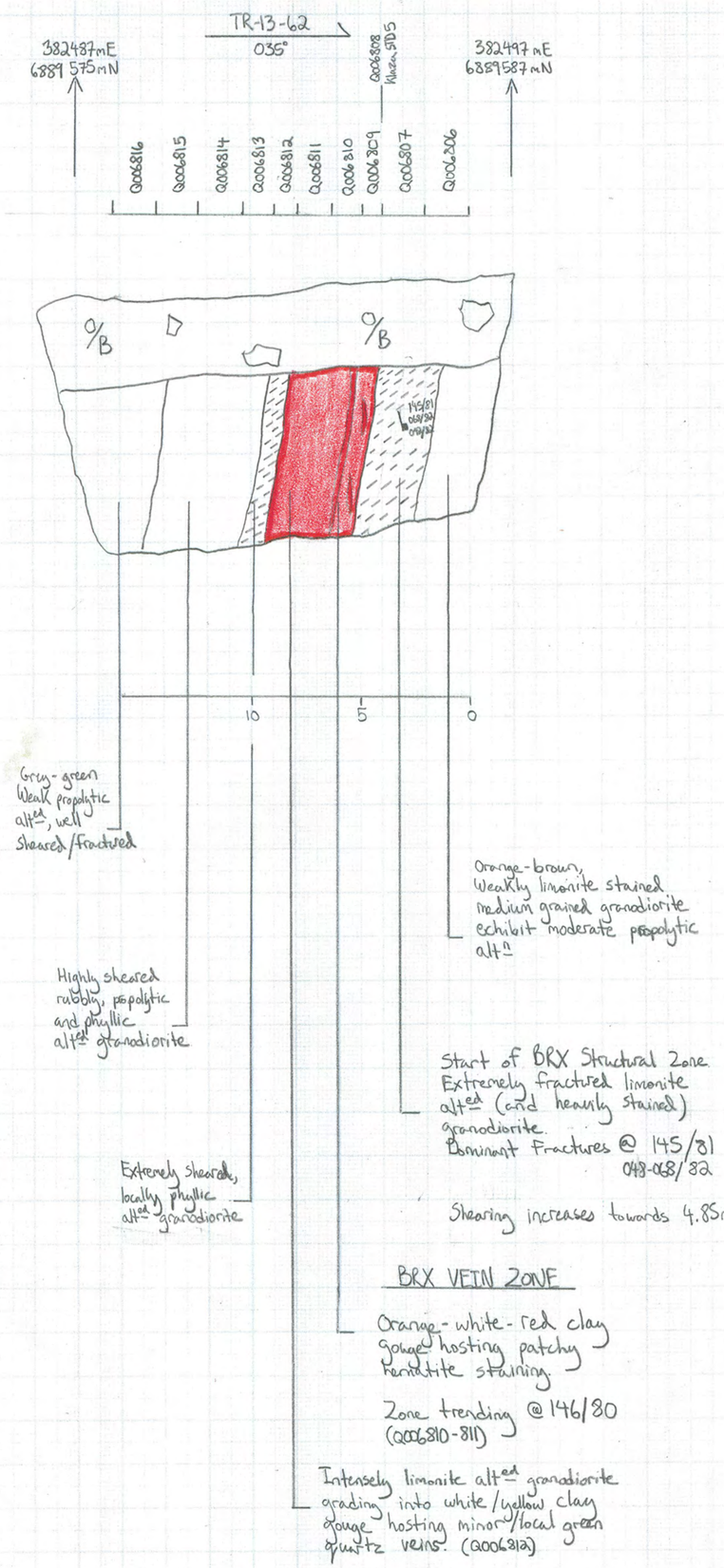
BRX VEIN

Very frozen yellow-orange-red clay gouge hosting localized bands/pods of very rubbly, weakly limonite pitted quartz veins. Also hematite stained clay bands locally
Vein zone is heavily sheared throughout and very clay-rich

ROCKHAVEN RESOURCES LTD.
ARCHER, CATHRO ASSOCIATES (1981) LIMITED

TR-13-61 MAP
KLAZA PROPERTY

0 2 4 6 8 10m



Trench Geology

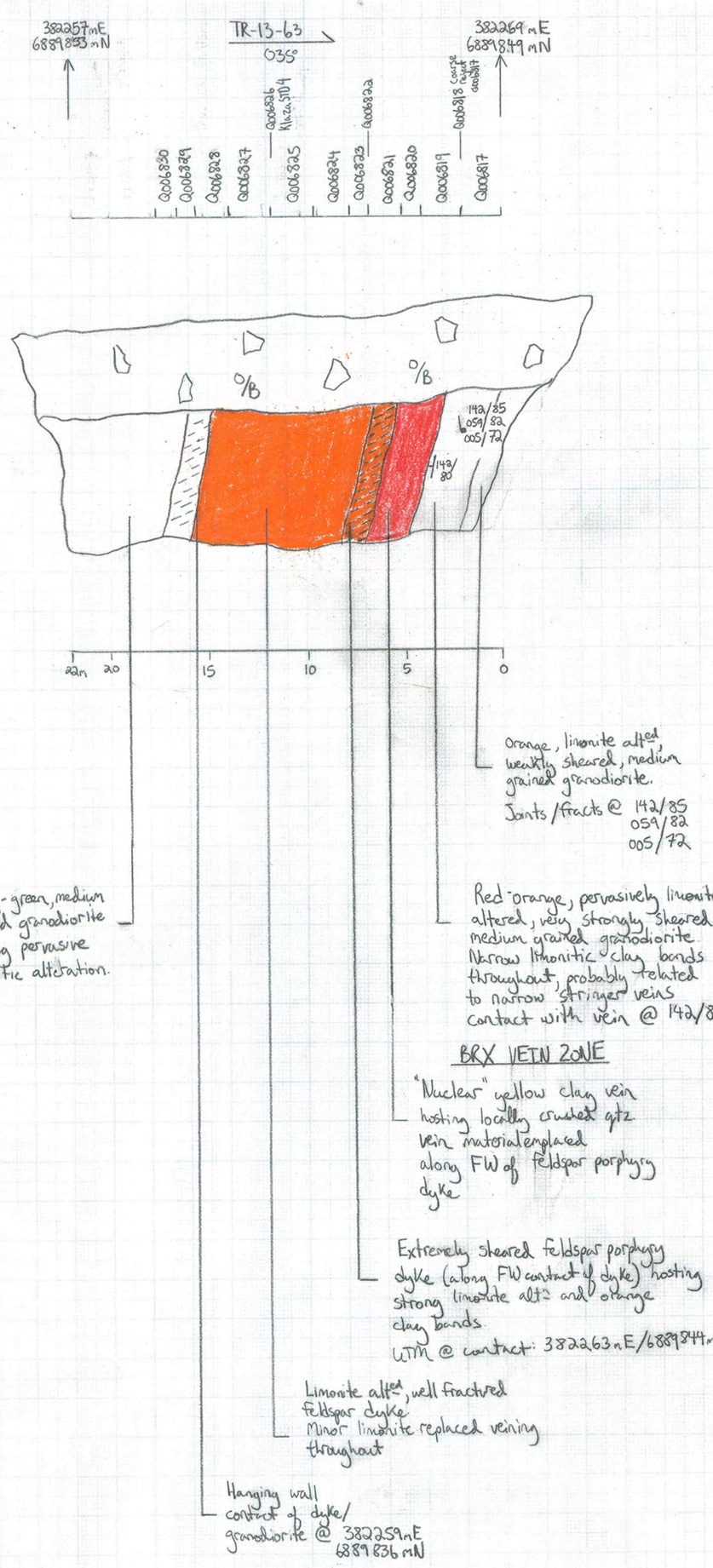
- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR-13-62 MAP
KLAZA PROPERTY

0 2 4 6 8 10m



Trench Geology
- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR-13-63 MAP

KLAZA PROPERTY

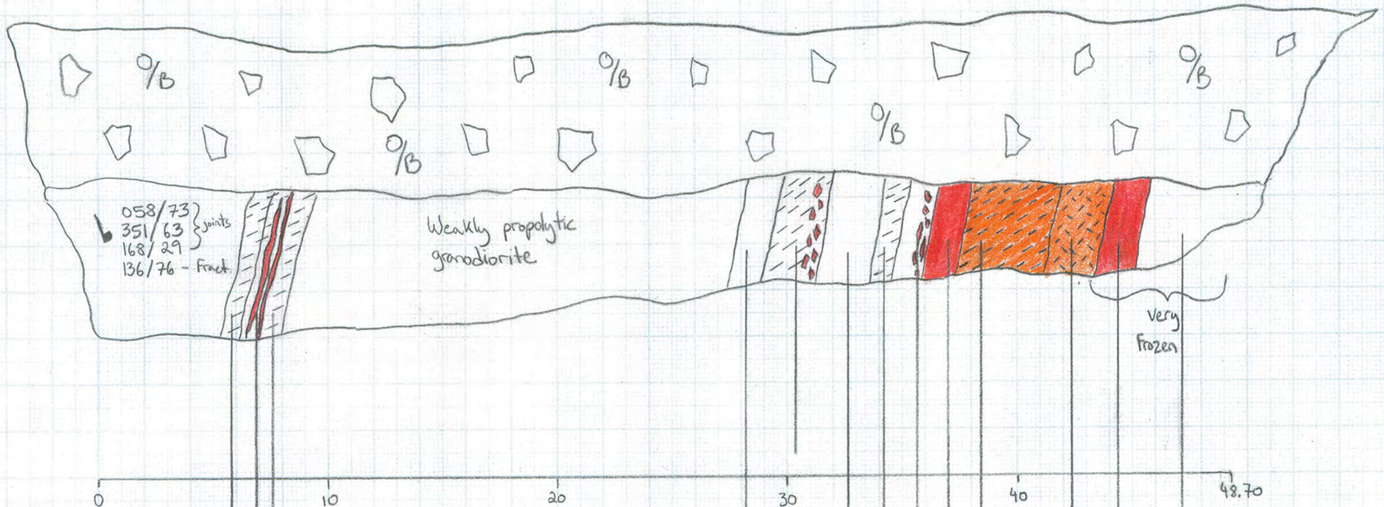
0 2 4 6 8 10m

381711mE
6890200mN

TR-13-67
035°

389742 mE
6890267 m N

Q006743 Q006744 Q006745 Q006728 Q006729 Q006730 Q006731 Q006732 Q006733 – Q006743 – HG Grab Q006734 – BLANK Q006735 Q006736 – Q006737 – STD Klaza Q006738 Q006739 Q006740 Q006741



End of shear zone, argillic alt'd, medium grained grey granodiorite

Begining of BRX structural zone Grey-yellow-green, propolytic alt'n, medium grained granodiorite. Locally well sheared

Orange, very rubbly/ sheared granodiorite hosting pervasive limonite alt'n and minor/pitted qtz veins.

Strongly limonite alt'd and fractured orange, medium grained granodiorite

Iron carbonate (ankerite) vein hosting very strong limonite staining throughout Shear zone trending @ 072/81S

Orange-yellow, weakly argillic alt'd granodiorite Pervasive limonite alt'n and manganese staining throughout.

Shear zone hosting highly fractured, argillic alt'd medium grained granodiorite

Shearing increasing within argillic alt'd granodiorite.

Green medium grained granodiorite hosting strong phyllic alt'n (qtz-py-sericite) and narrow green quartz veins.

BRX VEIN ZONE

Yellow-orange clay gouge hosting fragments/pods of semi massive galena and arsenopyrite hosted within pitted & vuggy white-green quartz vein. Vein zone is emplaced along FW contact of dyke @ 381736mE/6890257mN

White-blue Feldspar porphyry dyke. Very highly silicous. Manganese stained along all fractures @ 125/90 013/69 150/59

BRX VEIN ZONE

Green quartz breccia vein hosting banded to blebby, semi massive arsenopyrite, pyrite and galena and possibly some sulphosalts. Pitted, vuggy quartz veins throughout. VEIN/Dyke contact @ 381732/6890251

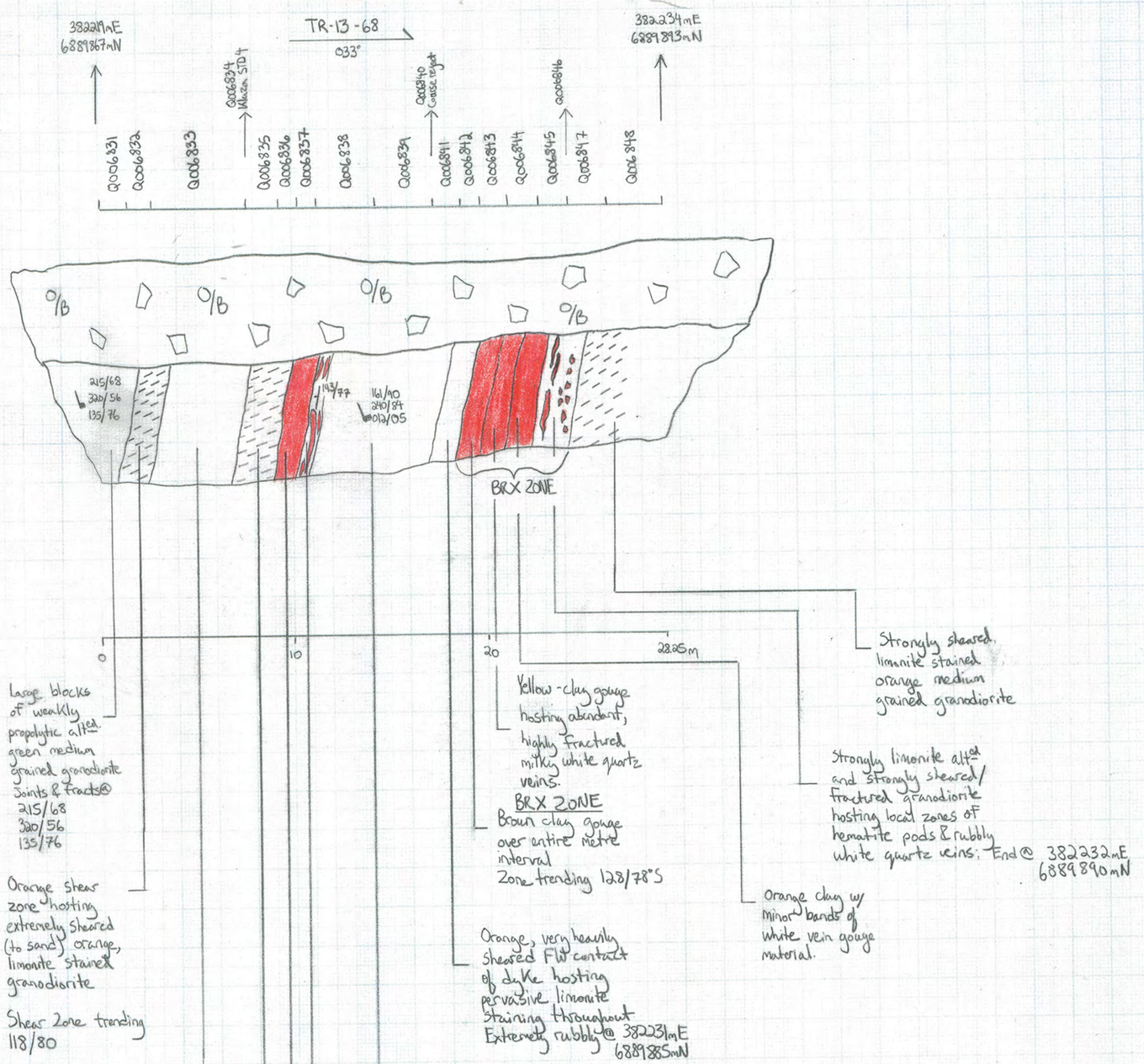
Brown, highly sheared and fractured aphanitic dyke hosted within brown, highly limonite stained clay gouge along HW contact of dyke.

Trench Geology
- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.
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TR-13-67 MAP
KLAZA PROPERTY

0 2 4 6 8 10m



Trench Geology
- Line
- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Sheer zone
- Silicious feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Known Mineralized Zone
- Prestripped Trench

ROCKHAVEN RESOURCES LTD.

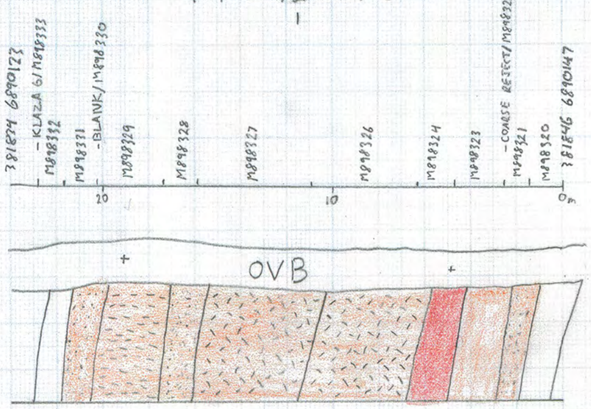
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR-13-68 MAP

KLAZA PROPERTY

0 2 4 6 8 10 m

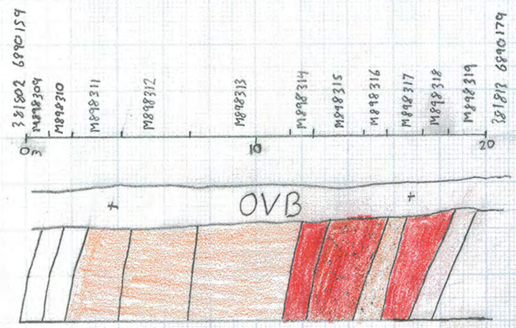
TR-13-75



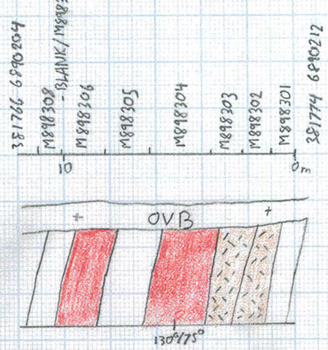
035°

BRX INFILL TRENCHES

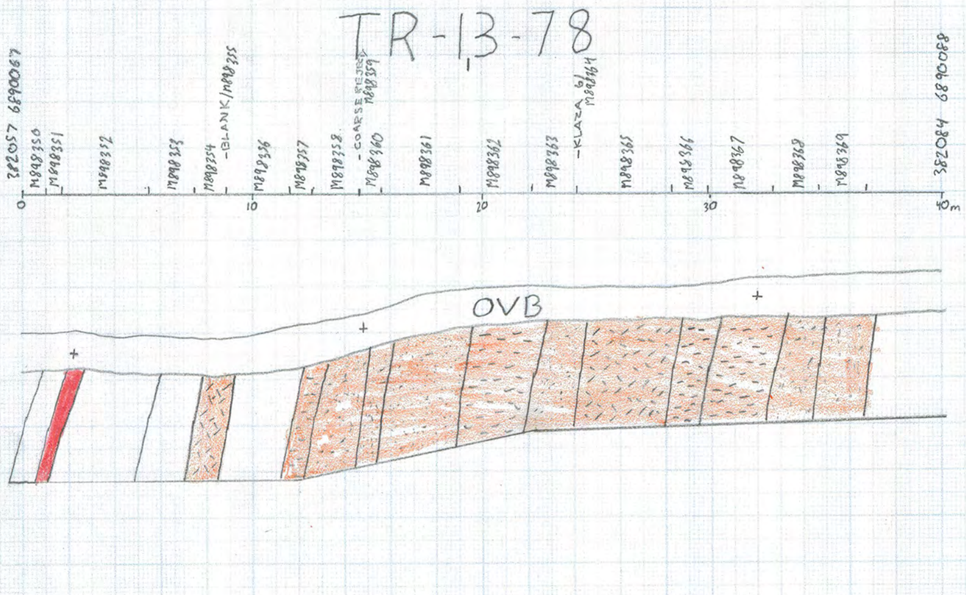
TR-13-74



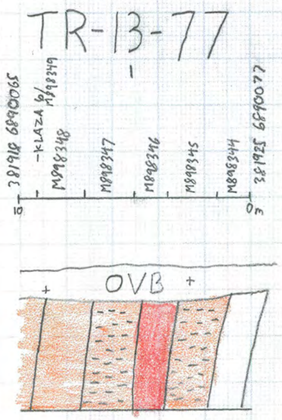
TR-13-73



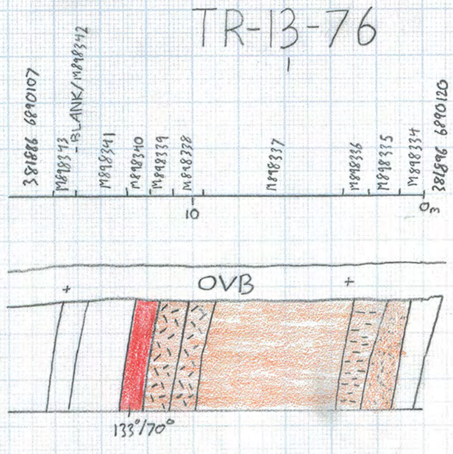
TR-13-78



TR-13-77



TR-13-76



ROCKHAVEN RESOURCES LTD.

KLAZA
INFILL
TRENCHING

ARCHER, CATHRO & ASSOCIATES (1981) LTD.

0 2 4 6 8 10 12 14m

DRAWN BY: JARED TARSWELL | SEPT 30, 2013

APPENDIX VIII

GROUNDTRUTH RESOURCES' INDUCED POLARIZATION SURVEY

APPENDIX CS-4 KLAZA

FINAL INVERSIONS AND INTERPRETATION

Geological setting

The Klaza property, a gold-silver vein/breccia occurrence in the south Dawson Range, is in the Mt. Nansen area west of Carmacks..Mineralization occurs as veins and breccias hosting galena, arsenopyrite, pyrite and sphalerite, and is associated with narrow west-northwest feldspar porphyry dykes . Pervasive phyllic and argillic alteration has been developed in granodiorite wallrocks and within clasts in the breccia (McFarlane et al., 2010). There are four main mineralized structural zones that are parallel to one another along a northwest-trending corridor: Klaza, BYG, Herc and BRX. The high resolution resistivity/IP survey was carried out over the BRX zone.

Geophysical survey

Dipole-dipole extended, inverse Schlumberger and strong gradient array data were collected on Lines 10-50 and 10-600 at the Klaza BRX zone. The length of these lines was 415 m (a single spread length) for all the arrays. The average RMS error of fit for these 6 arrays was 2.91 % with the highest value equal to 4.2 % for the dipole-dipole extended array on Line 10-600. These lines had a very high signal -to--noise ratio providing excellent high quality data. The paired plots for all 3 arrays along both lines are presented below after the location map.

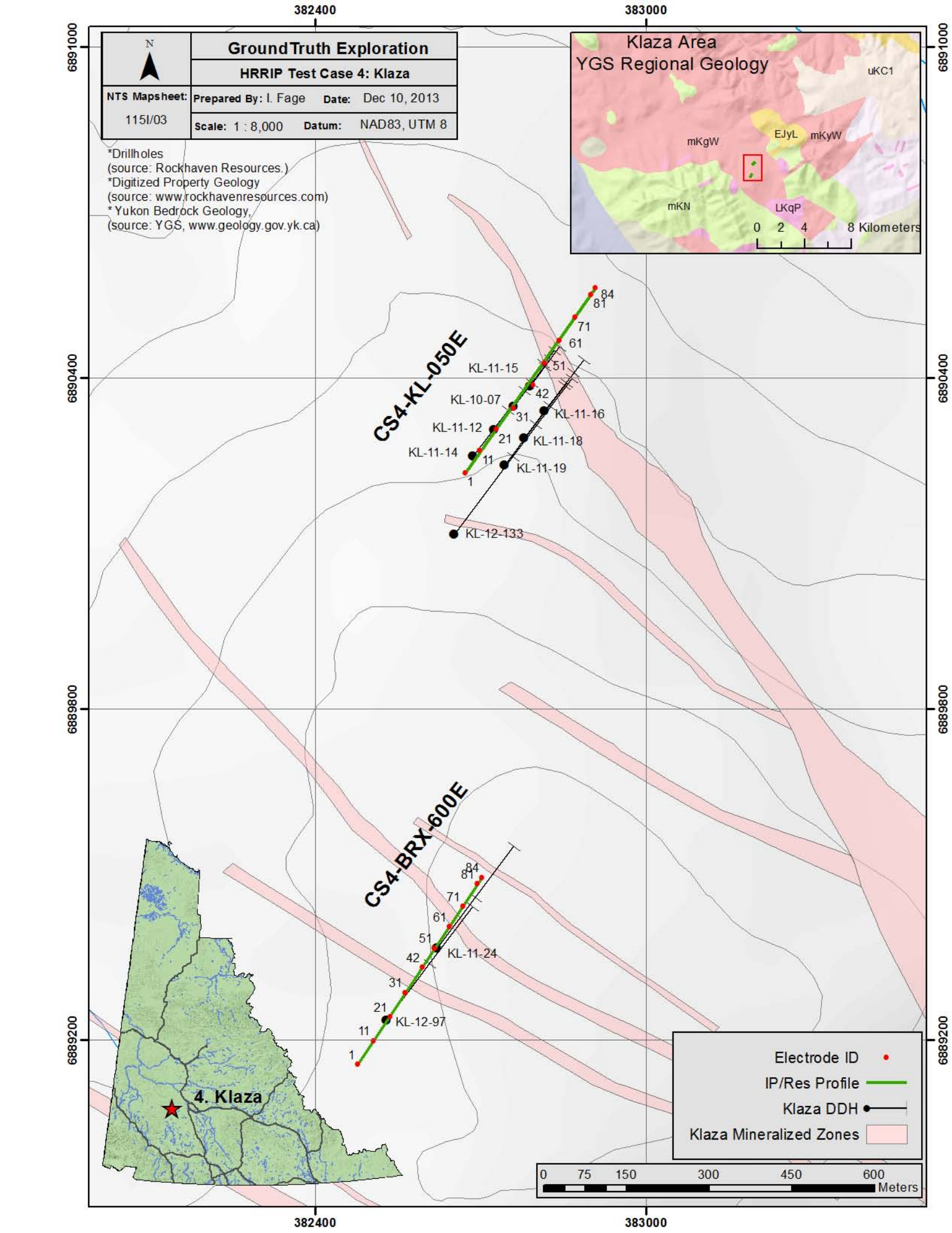
Geophysical interpretation

The figures below provide borehole geology and mineralization overlain on selected inverted resistivity and IP sections for the two lines. Not all arrays are provided; however the reader can use the paired plots if they wish to investigate other arrays.

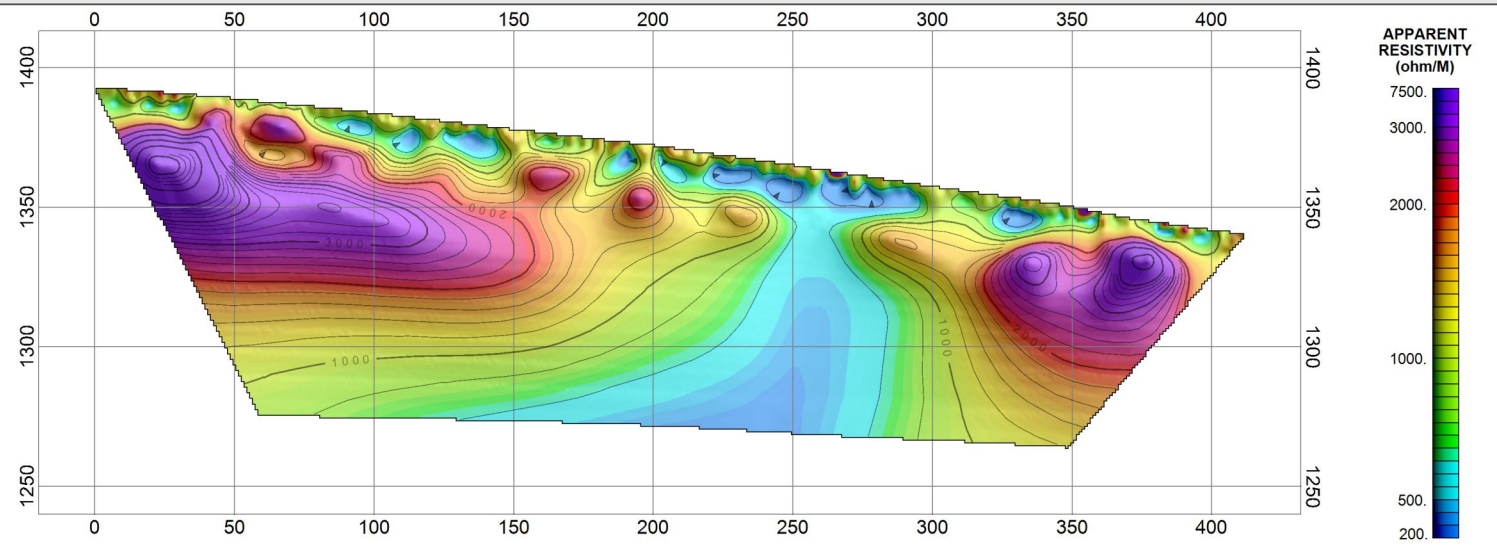
The inverted resistivity and chargeability from the dipole-dipole extended array on Line 10-50 with interpretation is shown below. The black outline shows a resistivity low associated with a chargeability high over the mineralized vein and brecia zone. The HRRIP survey indicates these features extend in depth which is consistent with the borehole results showing the mineralization continues. All 3 arrays (dipole-dipole extended, inverse Schlumberger and strong gradient) on this line show similar results. The granodiorite shows up as a resistivity high as expected but the chargeability values are variable over the granodiorite. The individual veins and fracture zones do not show up since they are too narrow. However the mineralized zone containing these individual fractures show up quite nicely.

The inverted resistivity and chargeability from the inverse Schlumberger array on Line 10-600 is presented below. In general the results are consistent with those for Line 10-50. There are two mineralized zones along this line (outlined by black lines) with resistive granodiorite surrounding them. As before the inverted resistivity tends to agree more closely with the

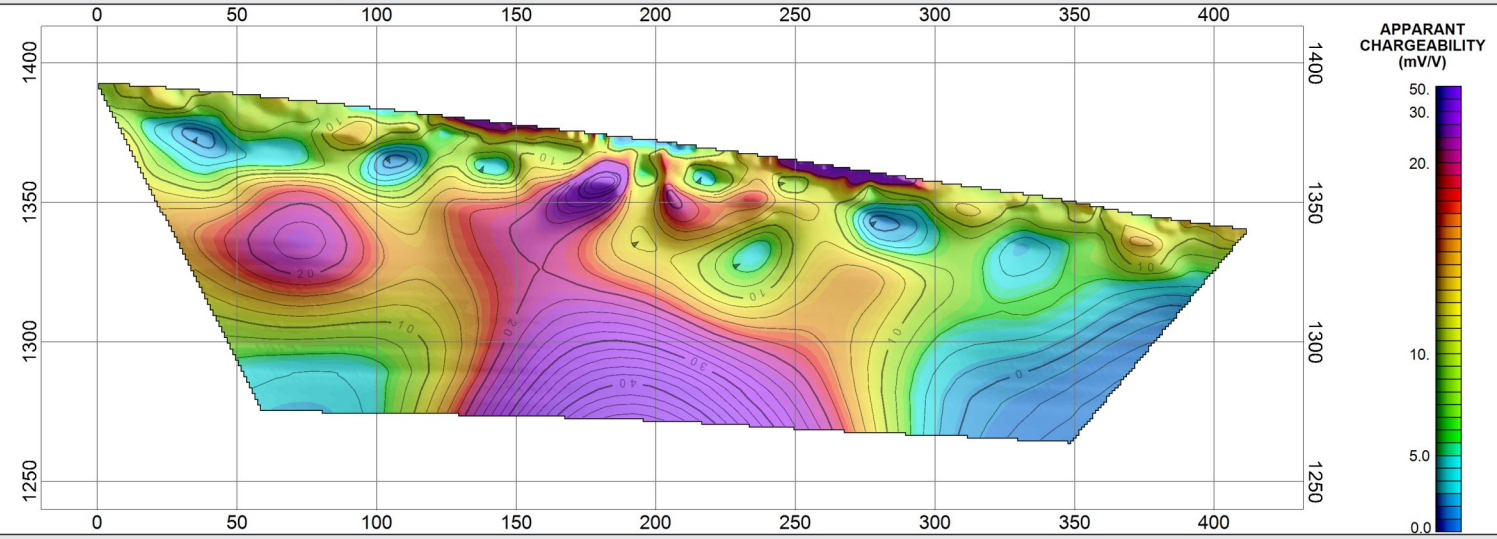
mineralization than the chargeability, although they both outline the general mineralized zones. The mineralized zone at the NE end of the line has a large chargeability feature associated with it but the zone near the SW end only has a moderate chargeability. This is consistent with all three of the arrays. The black lines indicate only partial overlap between resistivity lows and chargeability highs on this line.


382400
383000
6891000
6890400
6889800
6889200
N
GroundTruth Exploration
HRRIP Test Case 4: Klaza
NTS Mapsheet:
115I/03
Prepared By: I. Fage
Date: Dec 10, 2013
Scale: 1 : 8,000
Datum: NAD83, UTM 8
*Drillholes
(source: Rockhaven Resources.)
*Digitized Property Geology
(source: www.rockhavenresources.com)
* Yukon Bedrock Geology,
(source: YGS, www.geology.gov.yk.ca)
Klaza Area
YGS Regional Geology
uKC1
mKgW
EJyL
mKyW
mKN
LKqP
0 2 4 8 Kilometers
CS4-KL-050E
84
81
71
61
51
42
31
21
11
1
KL-11-15
KL-10-07
KL-11-12
KL-11-14
KL-11-16
KL-11-18
KL-11-19
KL-12-133
CS4-BRX-600E
84
81
71
61
51
42
31
21
11
1
KL-11-24
KL-12-97
4. Klaza
Electrode ID
IP/Res Profile
Klaza DDH
Klaza Mineralized Zones
0 75 150 300 450 600
Meters

Inverted Resistivity — Extended Dipole-Dipole Array



Inverted Chargeability — Extended Dipole-Dipole Array

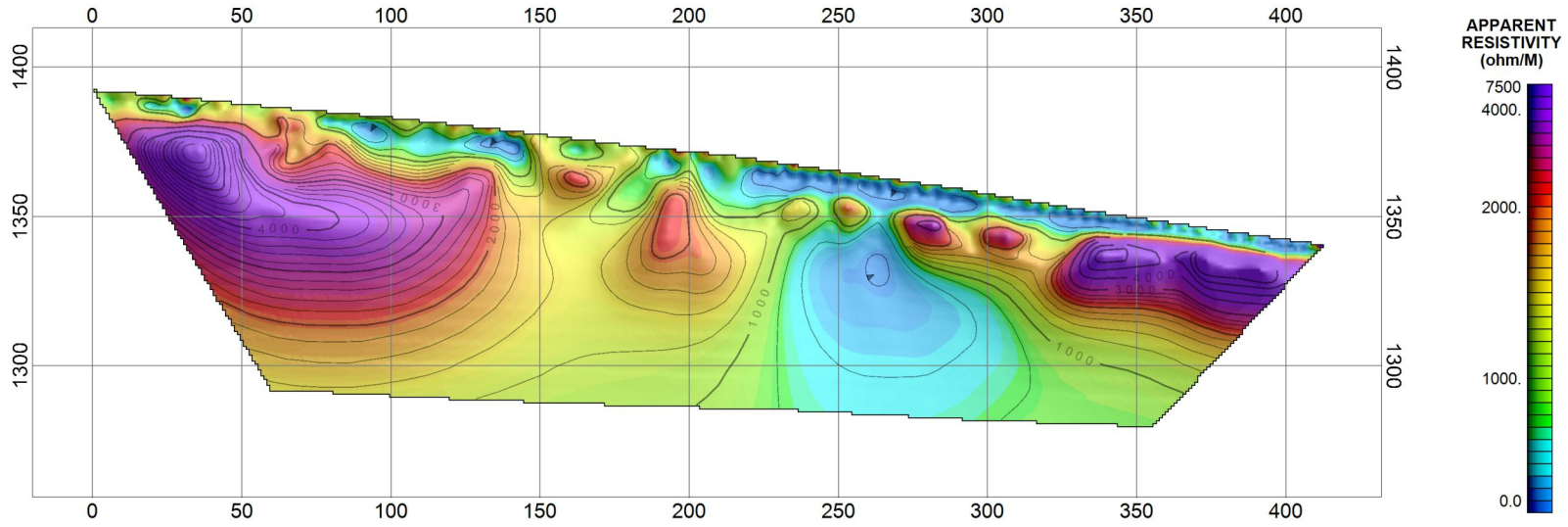


Project: Case Study 4, Klaza Property
Line: CS4-KL-050E
Look Direction: North West (303 deg)
Survey Date:September 1, 2013

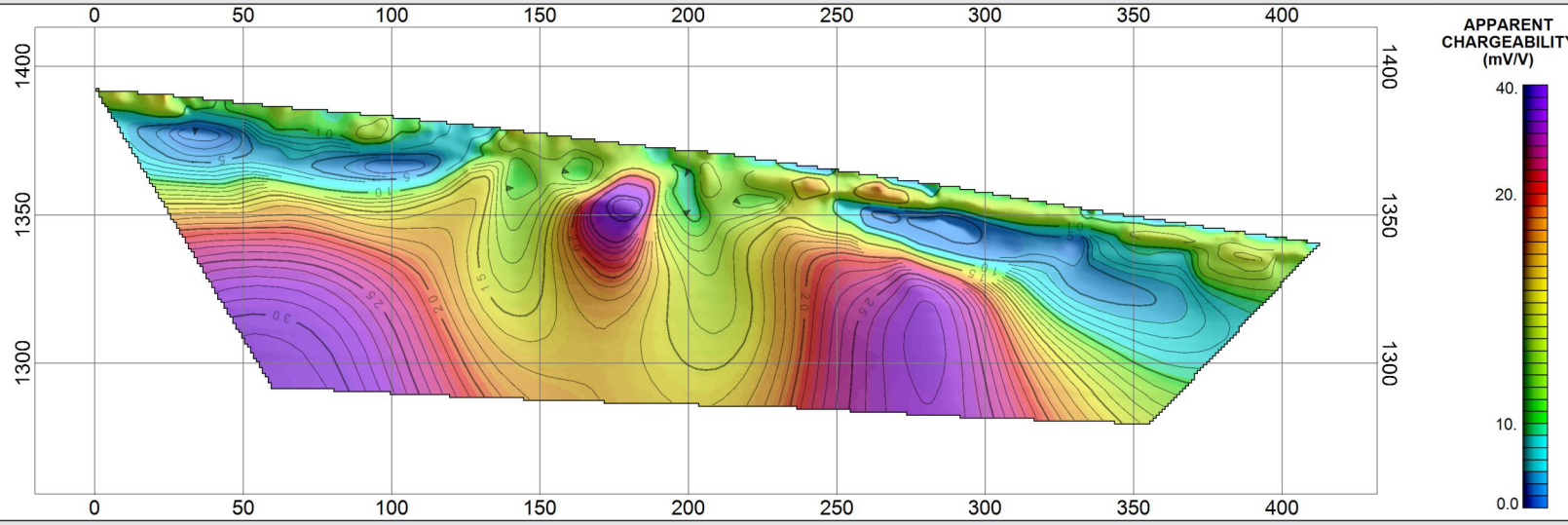
Projection: NAD83, UTM zone 8N
Inversion: M. Best
Plot: R. Daigle, I. Fage

GROUNDTRUTH EXPLORATION

Inverted Resistivity — Inverse Schlumberger Array



Inverted Chargeability — Inverse Schlumberger Array

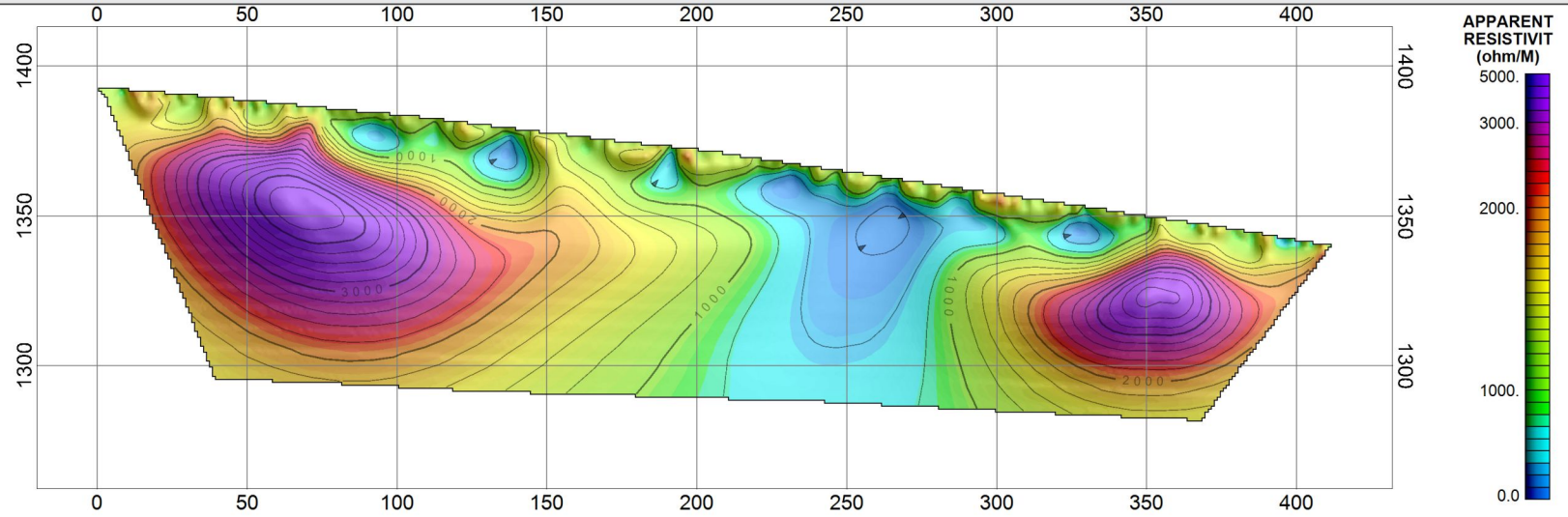


Project: Case Study 4, Klaza Property
Line: CS4-KL-050E
Look Direction: North West (303 deg)
Survey Date:September 1, 2013

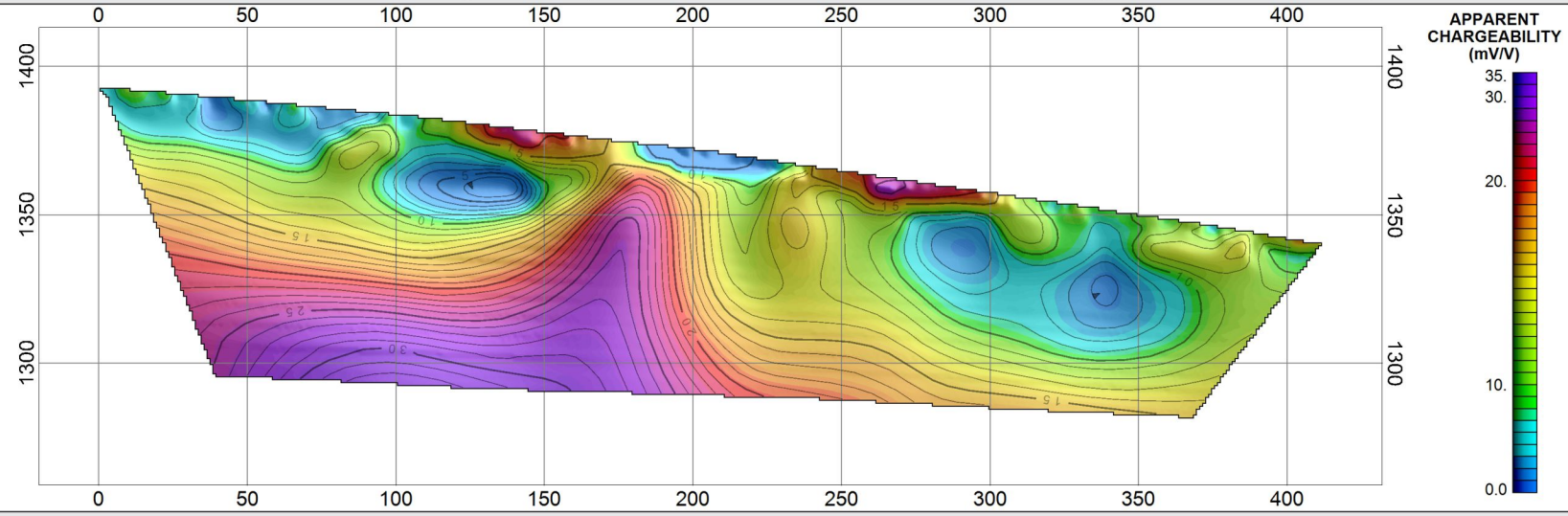
Projection: NAD83, UTM zone 8N
Inversion: M. Best
Plot: R. Daigle, I. Fage

GROUNDTRUTH EXPLORATION

Inverted Resistivity — Strong Gradient Array



Inverted Chargeability — Strong Gradient Array

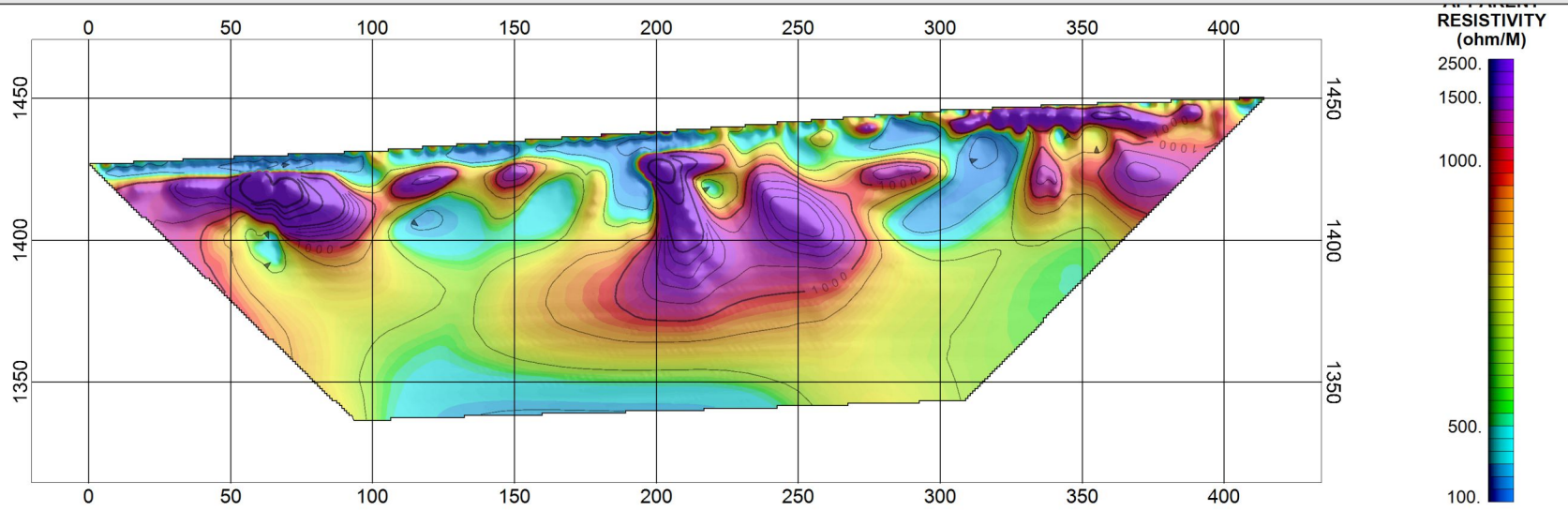


Project: Case Study 4, Klaza Property
Line: CS4-KL-050E
Look Direction: North West (303 deg)
Survey Date:September 1, 2013

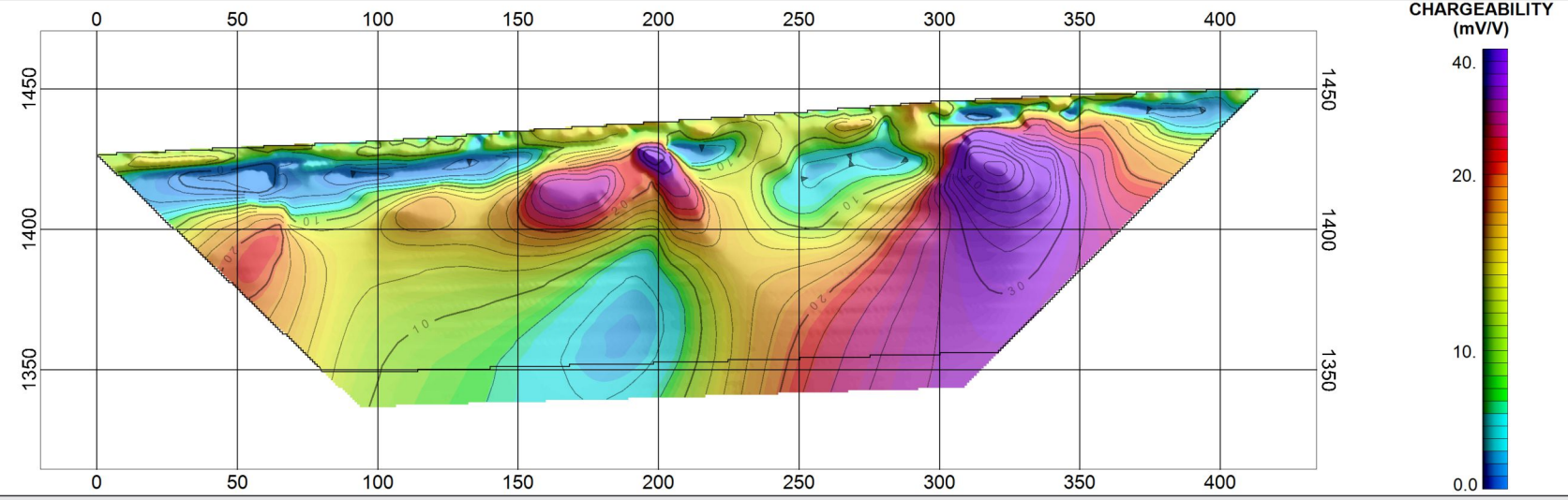
Projection: NAD83, UTM zone 8N
Inversion: M. Best
Plot: R. Daigle, I. Fage

GROUNDTRUTH EXPLORATION

Inverted Resistivity — Extended Dipole-Dipole Array



Inverted Chargeability — Extended Dipole-Dipole Array

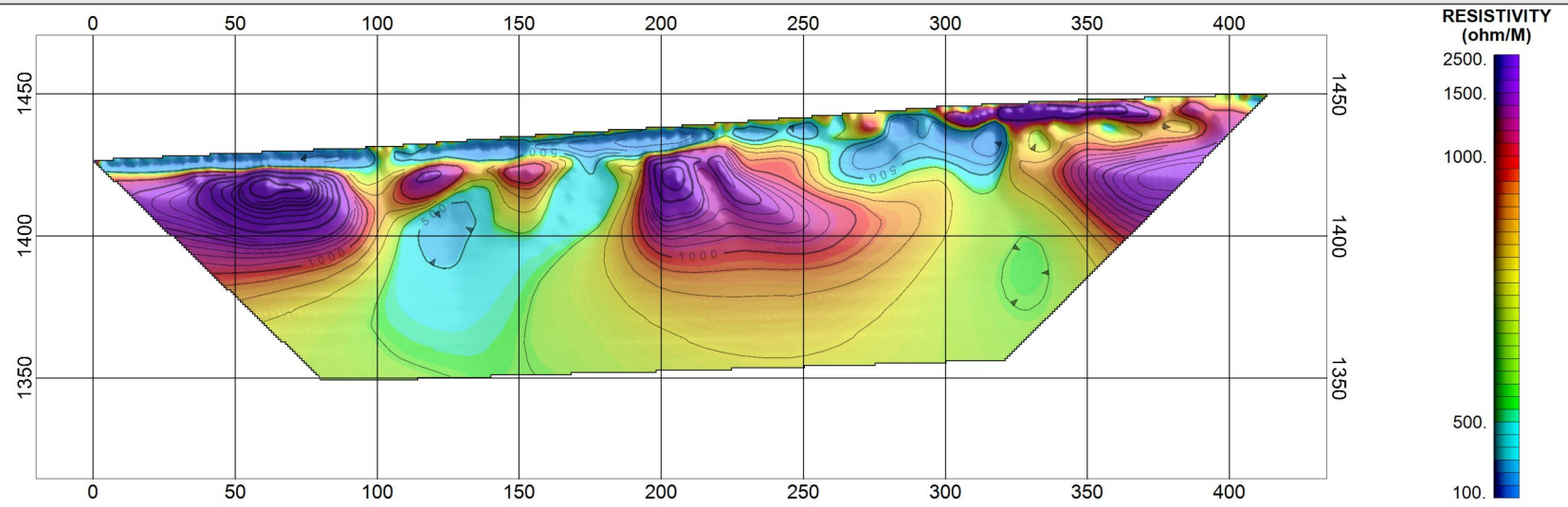


Project: Case Study 4, Klaza Property
Line: CS4-BRX-600E
Look Direction: North West (303 deg)
Survey Date:September 2, 2013

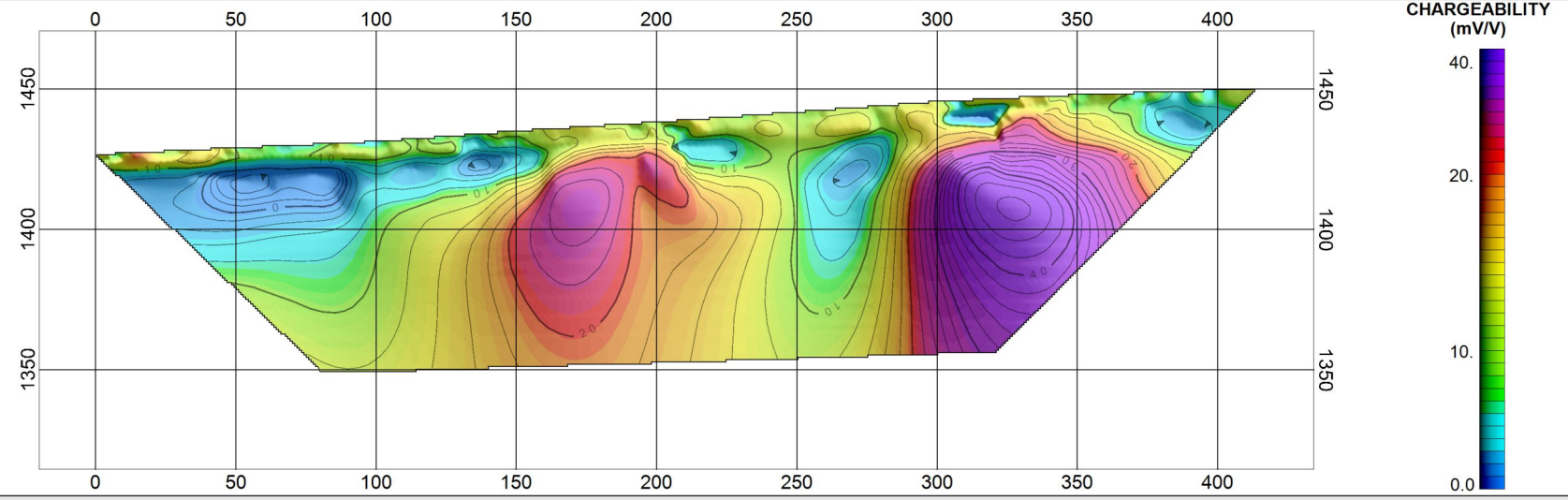
Projection: NAD83, UTM zone 8N
Inversion: M. Best
Plot: R. Daigle, I. Fage

GROUNDTRUTH EXPLORATION

Inverted Resistivity — Inverse Schlumberger Array



Inverted Chargeability — Inverse Schlumberger Array

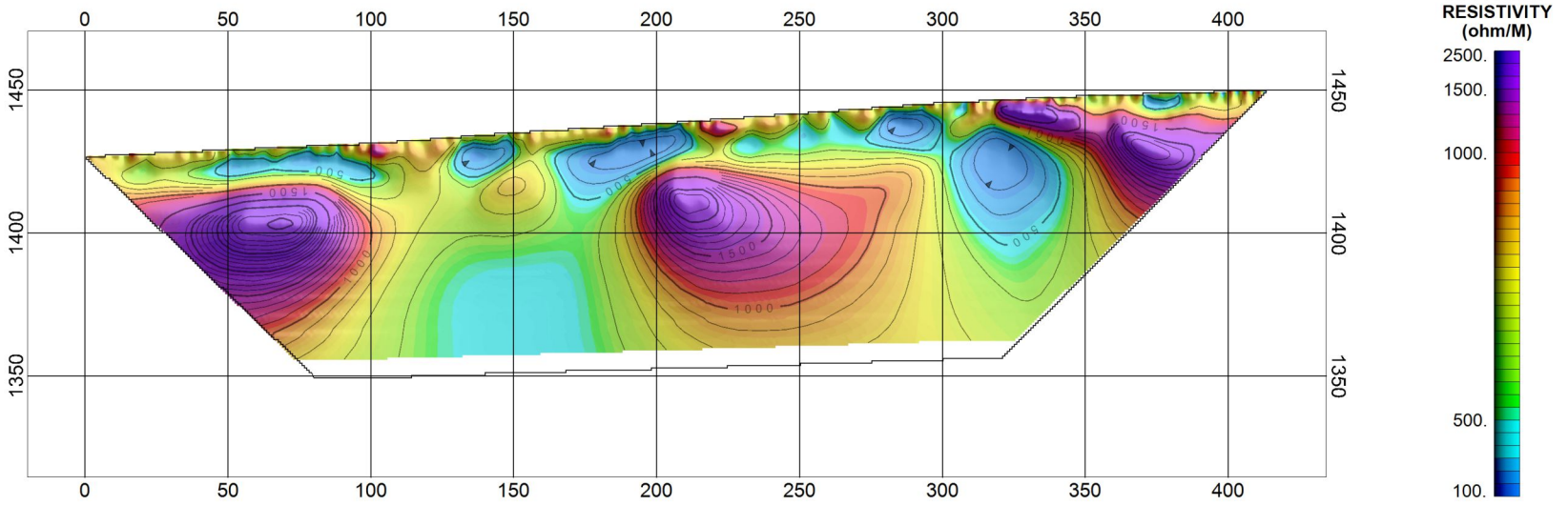


Project: Case Study 4, Klaza Property
Line: CS4-BRX-600E
Look Direction: North West (303 deg)
Survey Date:September 2, 2013

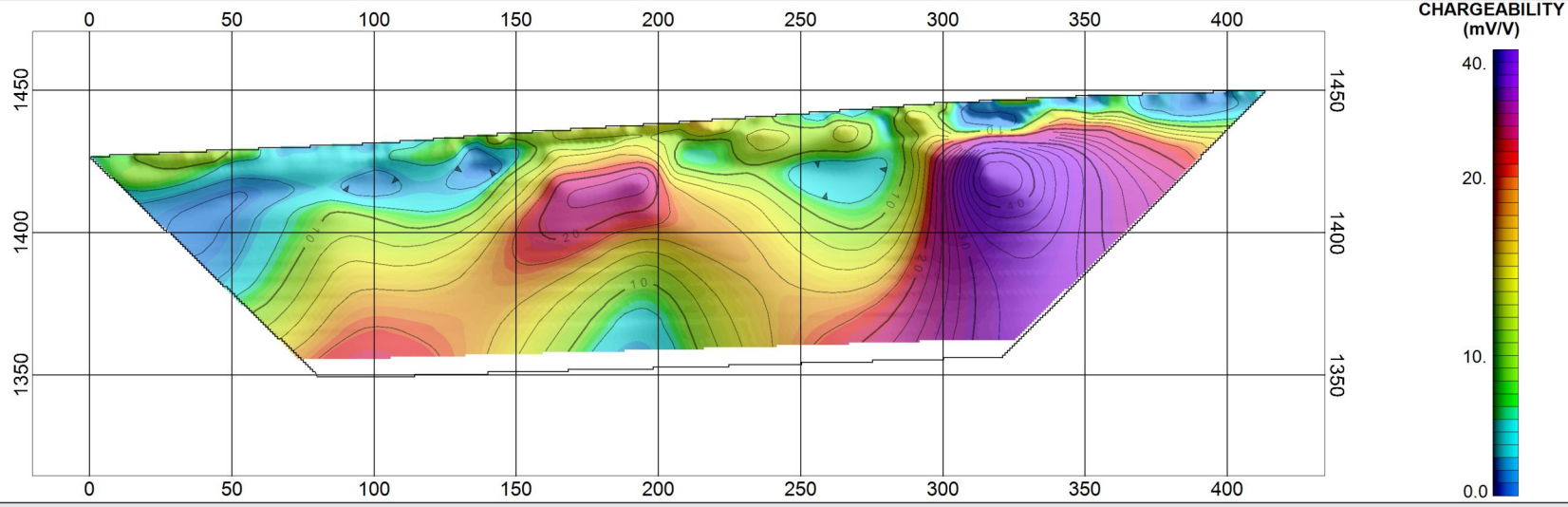
Projection: NAD83, UTM zone 8N
Inversion: M. Best
Plot: R. Daigle, I. Fage

GROUNDTRUTH EXPLORATION

Inverted Resistivity — Strong Gradient Array



Inverted Chargeability — Strong Gradient Array

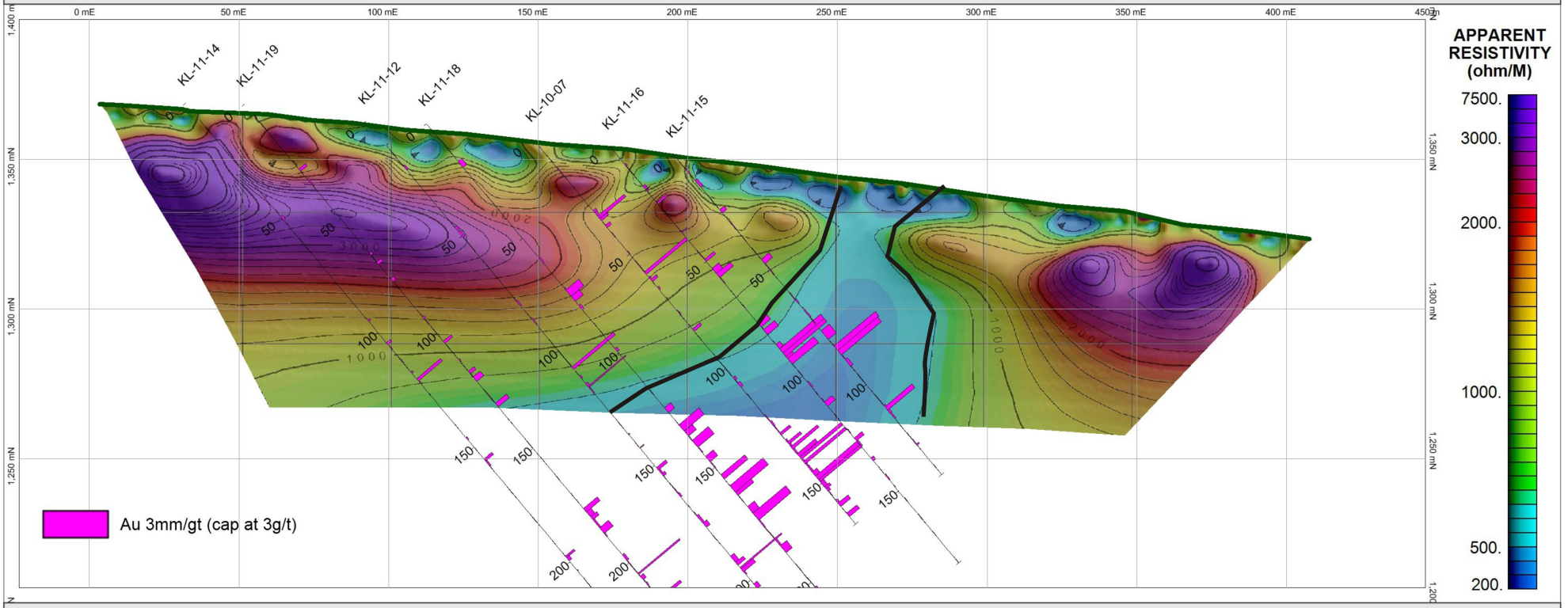


Project: Case Study 4, Klaza Property
Line: CS4-BRX-600E
Look Direction: North West (303 deg)
Survey Date:September 2, 2013

Projection: NAD83, UTM zone 8N
Inversion: M. Best
Plot: R. Daigle, I. Fage

GROUNDTRUTH EXPLORATION

Inverted Resistivity — Extended Dipole-Dipole Array



Interpretation

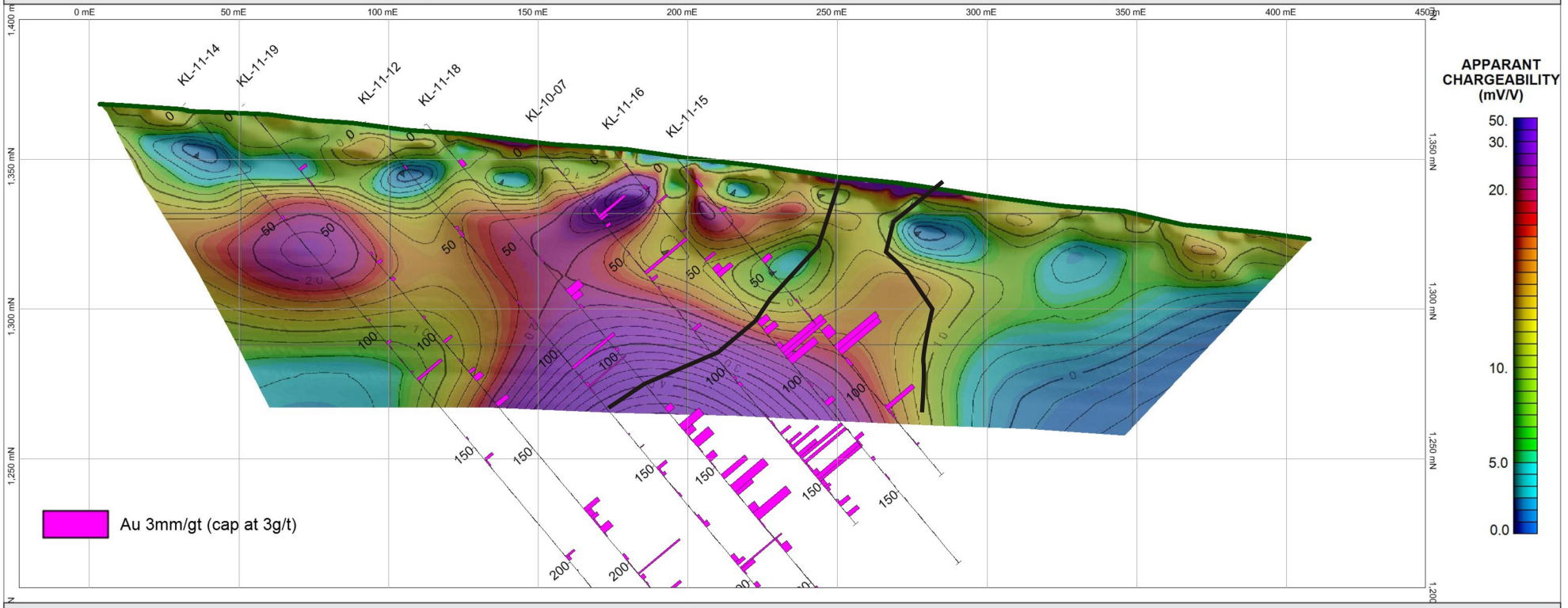
- o black lines outline mineralized veins and brecias associated with porphyry dikes
- o mineralized zone is a resistivity low and appears to continue at depth
- o all 3 inverted resistivity arrays outline mineralized zone very effectively
- o granodiorite shows up as resistivity highs on all 3 inverted resistivity arrays

Project: Case Study 4,Klaza Property
Line: CS4-KL-050E
Look Direction: North West (303 deg)
Survey Date: September 2, 2013

Projection: NAD83, UTM zone 8N
Scale: 1 : 2,000
Inversion: M. Best
Plot: R. Daigle, I. Fage

GROUNDTRUTH EXPLORATION

Inverted Chargeability — Extended Dipole-Dipole Array



Interpretation

o inverted chargeability outlines mineralized zone but extends to the SW further than corresponding resistivity low

o inverted strong gradient chargeablility similar to dipole-dipole extended array

o inverted inverse Schlumberger chargeability extends further to the east and has smaller chargeability value

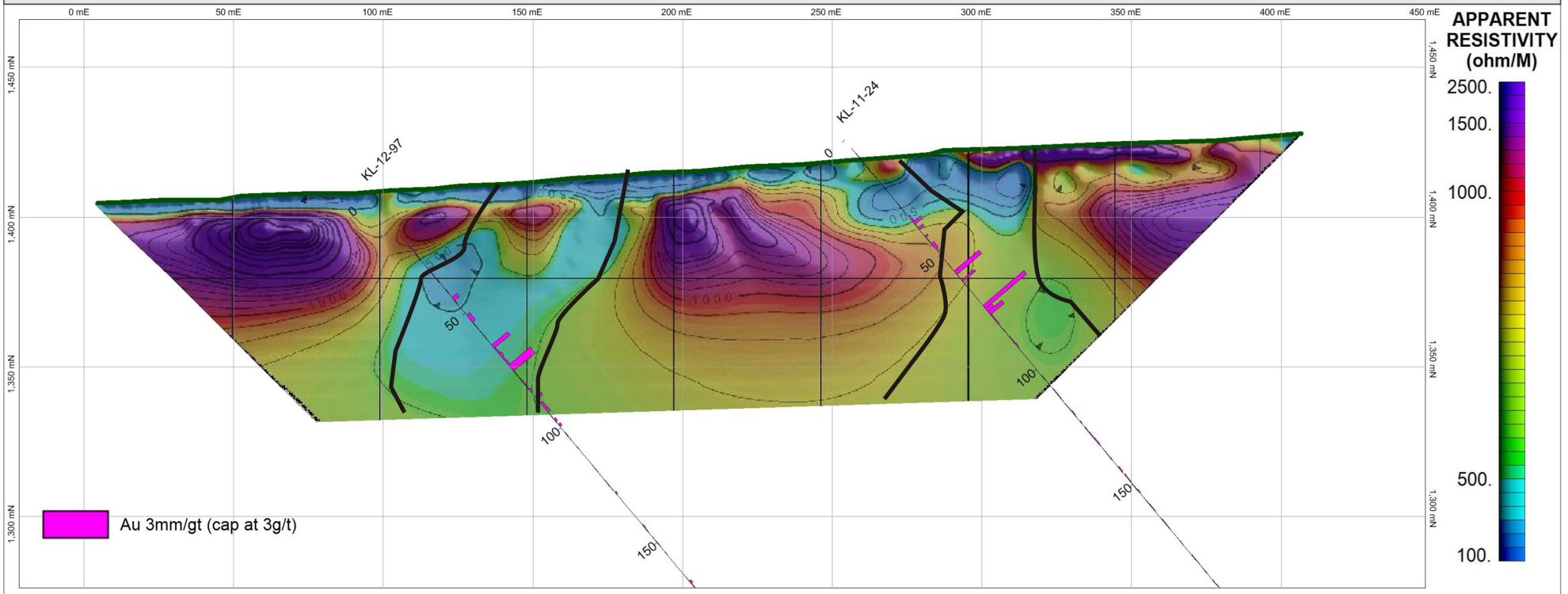
Project: Case Study 4,Klaza Property
Line: CS4-KL-050E
Look Direction: North West (303 deg)
Survey Date: September 2, 2013

Projection: NAD83, UTM zone 8N
Scale: 1 : 2,000
Inversion: M. Best
Plot: R. Daigle, I. Fage

GROUNDTRUTH EXPLORATION

Inverted Resistivity

Inverse Schlumberger Array



Interpretation

o black lines outline low resistivity zones associated with mineralized veins and brecias

o granodiorites are high resistivity zones similar to Line 10-50

o all 3 arrays have low resistivity zones associated with mineralized zones

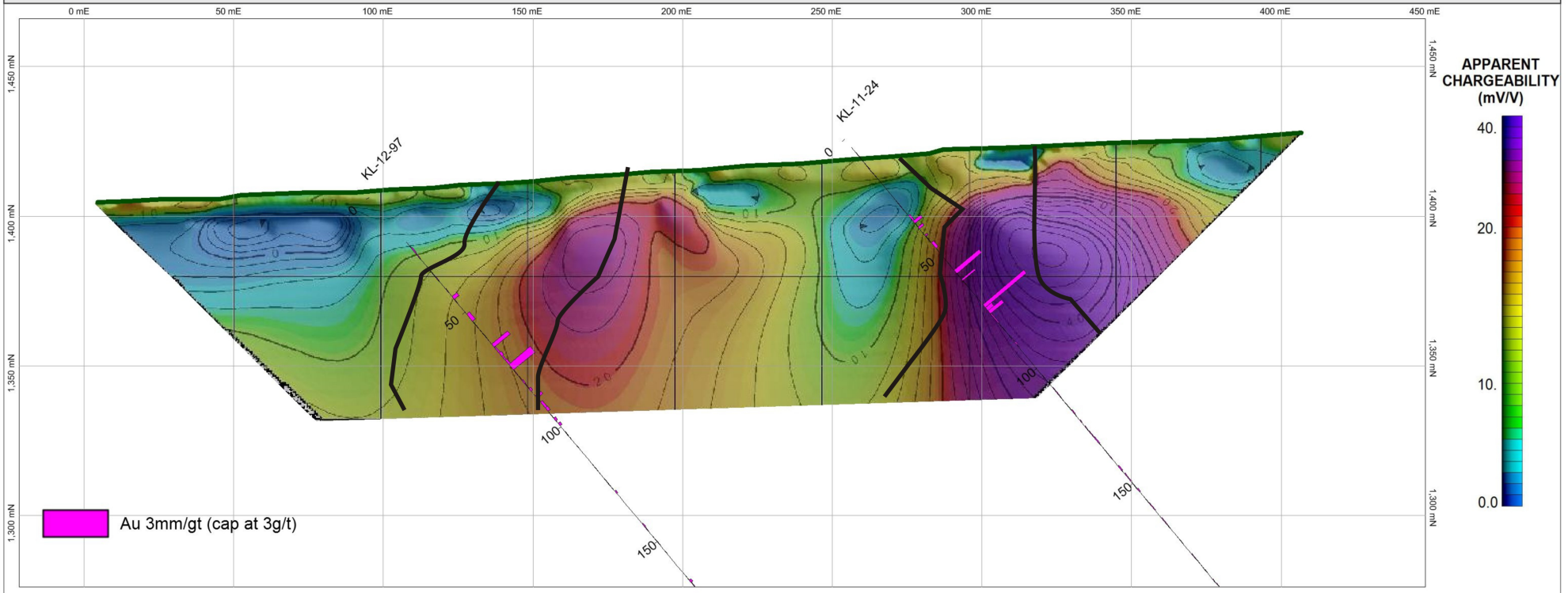
o best correlation with mineralized zones is with the inverse Shclumberger and strong gradient on this line

Project: Case Study 4,Klaza Property
Line: CS4-BRX-600E
Look Direction: North West (303 deg)
Survey Date: September 2, 2013

Projection: NAD83, UTM zone 8N
Scale: 1 : 2,000
Inversion: M. Best
Plot: R. Daigle, I. Fage

GROUNDTRUTH EXPLORATION

Inverted Chargeability — Inverse Schlumberger Array



Interpretation

- o a chargeability high is clearly associated with the NE mineralized zone
- o mineralized zone near SW end is in moderate chargeability high for all 3 arrays
- o black lines indicate only partial overlap of resistivity lows and chargeablilty highs
- o all 3 arrays have chargeability highs at the NE end of lines

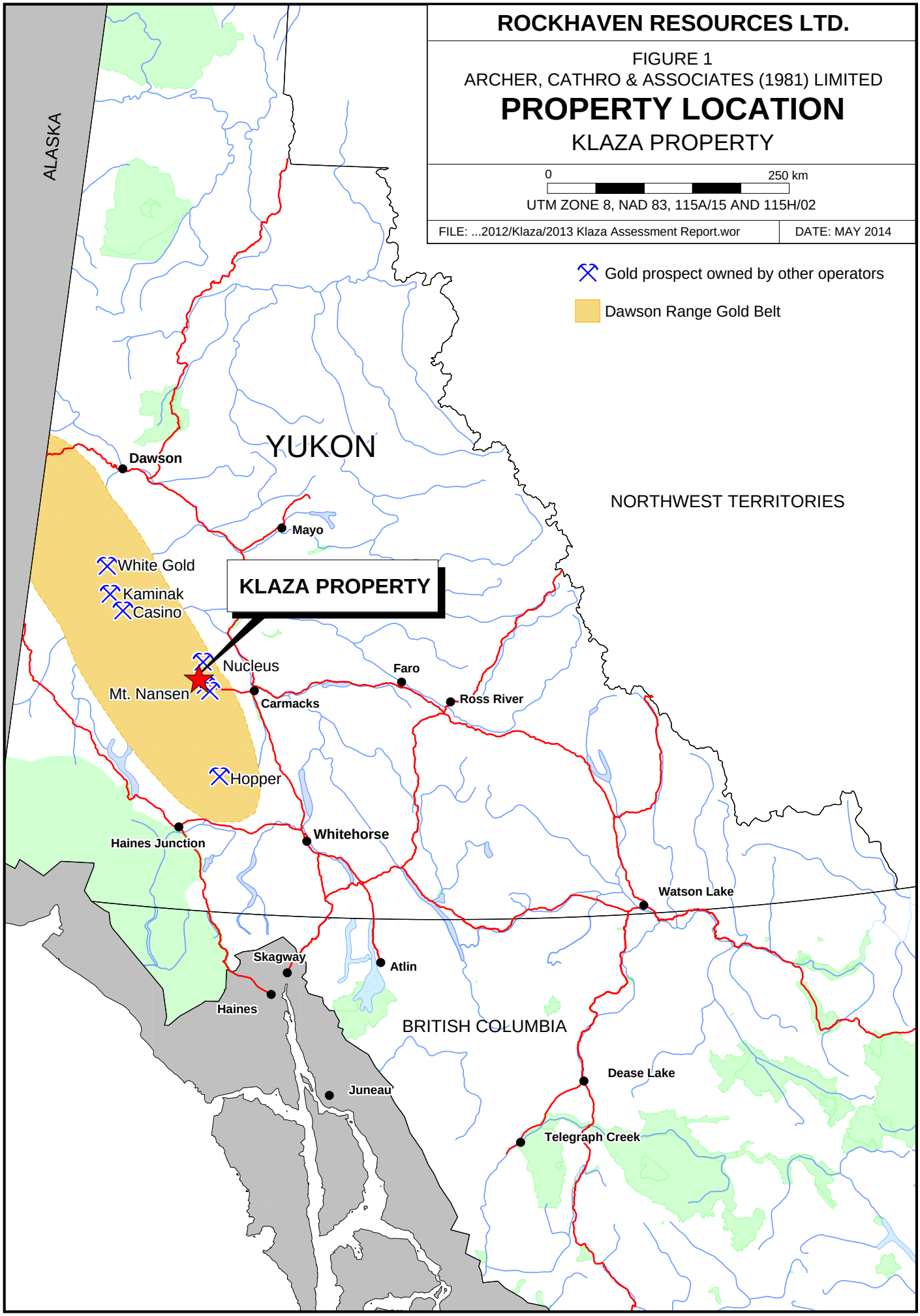
Project: Case Study 4,Klaza Property
Line: CS4-BRX-600E
Look Direction: North West (303 deg)
Survey Date: September 2, 2013

Projection: NAD83, UTM zone 8N
Scale: 1 : 2,000
Inversion: M. Best
Plot: R. Daigle, I. Fage

GROUNDTRUTH EXPLORATION

APPENDIX IX

QUALITY ASSURANCE (QA) / QUALITY CONTROL (QC)


ROCKHAVEN RESOURCES LTD.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
KLAZA PROPERTY
0
250 km
UTM ZONE 8, NAD 83, 115A/15 AND 115H/02
FILE: ...2012/Klaza/2013 Klaza Assessment Report.wor
DATE: MAY 2014
Gold prospect owned by other operators
Dawson Range Gold Belt
ALASKA
YUKON
NORTHWEST TERRITORIES
BRITISH COLUMBIA
Dawson
Mayo
White Gold
Kaminak
Casino
KLAZA PROPERTY
Nucleus
Mt. Nansen
Carmacks
Faro
Ross River
Hopper
Haines Junction
Whitehorse
Watson Lake
Skagway
Haines
Atlin
Juneau
Dease Lake
Telegraph Creek

T.N.
1°59.4'
21°37'
Grid north
Magnetic north
Annual change decreasing 22.9'

4,200
4,600
4,700
3,700
3,800
3,900
4,000
4,100
4,400
4,800

6 896 000 mN
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mN
6 886 000 mN

376 000 mE
378 000 mE
380 000 mE
382 000 mE
384 000 mE
386 000 mE
388 000 mE

KLAZA 307 YD119877
KLAZA 308 YD119878
KLAZA 305 YD119875
KLAZA 285 YD119855
KLAZA 306 YD119876
KLAZA 286 YD119856
KLAZA 303 YD119873
KLAZA 283 YD119853
KLAZA 263 YD119833
KLAZA 304 YD119874
KLAZA 284 YD119854
KLAZA 264 YD119834
KLAZA 301 YD119871
KLAZA 281 YD119851
KLAZA 261 YD119831
KLAZA 241 YD119811
KLAZA 302 YD119872
KLAZA 282 YD119852
KLAZA 262 YD119832
KLAZA 242 YD119812
KLAZA 299 YD119869
KLAZA 279 YD119849
KLAZA 259 YD119829
KLAZA 239 YD119809
KLAZA 219 YD119789
KLAZA 300 YD119870
KLAZA 280 YD119850
KLAZA 260 YD119830
KLAZA 240 YD119810
KLAZA 220 YD119790
KLAZA 297 YD119867
KLAZA 277 YD119847
KLAZA 257 YD119827
KLAZA 237 YD119807
KLAZA 217 YD119787
KLAZA 186 YD119756
KLAZA 298 YD119868
KLAZA 278 YD119848
KLAZA 258 YD119828
KLAZA 238 YD119808
KLAZA 218 YD119788
KLAZA 184 YD119754
KLAZA 295 YD119865
KLAZA 275 YD119845
KLAZA 255 YD119825
KLAZA 235 YD119805
KLAZA 215 YD119785
KLAZA 185 YD119755
KLAZA 182 YD119752
KLAZA 296 YD119866
KLAZA 276 YD119846
KLAZA 256 YD119826
KLAZA 236 YD119806
KLAZA 216 YD119786
KLAZA 183 YD119753
KLAZA 180 YD119750
KLAZA 293 YD119863
KLAZA 273 YD119843
KLAZA 253 YD119823
KLAZA 233 YD119803
KLAZA 213 YD119783
KLAZA 154 YD07235
KLAZA 181 YD119751
KLAZA 178 YD119748
KLAZA 294 YD119864
KLAZA 274 YD119844
KLAZA 254 YD119824
KLAZA 234 YD119804
KLAZA 214 YD119784
KLAZA 153 YD07234
KLAZA 179 YD119749
KLAZA 176 YD119746
KLAZA 291 YD119861
KLAZA 271 YD119841
KLAZA 251 YD119821
KLAZA 231 YD119801
KLAZA 211 YD119781
KLAZA 156 YD07237
KLAZA 108 YD07189
KLAZA 177 YD119747
KLAZA 174 YD119744
KLAZA 292 YD119862
KLAZA 272 YD119842
KLAZA 252 YD119822
KLAZA 232 YD119802
KLAZA 212 YD119782
KLAZA 155 YD07236
KLAZA 110 YD07191
KLAZA 175 YD119745
KLAZA 289 YD119859
KLAZA 269 YD119839
KLAZA 249 YD119819
KLAZA 229 YD119799
KLAZA 209 YD119779
KLAZA 158 YD07239
KLAZA 109 YD07190
KLAZA 112 YD07193
KLAZA 172 YD119742
KLAZA 290 YD119860
KLAZA 270 YD119840
KLAZA 250 YD119820
KLAZA 230 YD119800
KLAZA 210 YD119780
KLAZA 157 YD07238
KLAZA 111 YD07192
KLAZA 173 YD119743
KLAZA 169 YD119739
KLAZA 287 YD119857
KLAZA 267 YD119837
KLAZA 247 YD119817
KLAZA 227 YD119797
KLAZA 207 YD119777
KLAZA 160 YD07241
KLAZA 114 YD07195
KLAZA 171 YD119741
KLAZA 170 YD119740
KLAZA 288 YD119858
KLAZA 268 YD119838
KLAZA 248 YD119818
KLAZA 228 YD119798
KLAZA 208 YD119778
KLAZA 159 YD07240
KLAZA 151 YD07232
KLAZA 113 YD07194
KLAZA 116 YD07197
KLAZA 167 YD119737
KLAZA 265 YD119835
KLAZA 245 YD119815
KLAZA 225 YD119795
KLAZA 205 YD119775
KLAZA 162 YD07243
KLAZA 152 YD07233
KLAZA 115 YD07196
KLAZA 118 YD07199
KLAZA 168 YD119738
KLAZA 266 YD119836
KLAZA 246 YD119816
KLAZA 226 YD119796
KLAZA 206 YD119776
KLAZA 161 YD07242
KLAZA 149 YD07230
KLAZA 106 YD07187
KLAZA 117 YD07198
KLAZA 120 YD07201
KLAZA 243 YD119813
KLAZA 223 YD119793
KLAZA 203 YD119773
KLAZA 164 YD07245
KLAZA 150 YD07231
KLAZA 107 YD07188
KLAZA 119 YD07200
KLAZA 122 YD07203
KLAZA 244 YD119814
KLAZA 224 YD119794
KLAZA 204 YD119774
KLAZA 147 YD07228
KLAZA 104 YD07185
KLAZA 96 YD07177
KLAZA 121 YD07202
KLAZA 124 YD07205
KLAZA 221 YD119791
KLAZA 201 YD119771
KLAZA 163 YD07244
KLAZA 148 YD07229
KLAZA 105 YD07186
KLAZA 97 YD07178
KLAZA 123 YD07204
KLAZA 126 YD07207
KLAZA 222 YD119792
KLAZA 202 YD119772
KLAZA 166 YD07247
KLAZA 145 YD07226
KLAZA 102 YD07183
KLAZA 94 YD07175
KLAZA 79 YD07160
KLAZA 125 YD07206
KLAZA 128 YD07209
KLAZA 199 YD119769
KLAZA 165 YD07246
KLAZA 146 YD07227
KLAZA 103 YD07184
KLAZA 95 YD07176
KLAZA 78 YD07159
KLAZA 198 YD119768
KLAZA 143 YD07224
KLAZA 100 YD07181
KLAZA 92 YD07173
KLAZA 81 YD07162
KLAZA 127 YD07208
KLAZA 200 YD119770
KLAZA 196 YD119766
KLAZA 144 YD07225
KLAZA 101 YD07182
KLAZA 93 YD07174
KLAZA 69 YD07150
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KLAZA 98 YD07179
KLAZA 90 YD07171
KLAZA 83 YD07164
KLAZA 80 YD07161
KLAZA 68 YD07149
KLAZA 399 YD110502
KLAZA 195 YD119765
KLAZA 192 YD119762
KLAZA 99 YD07180
KLAZA 91 YD07172
KLAZA 82 YD07163
KLAZA 71 YD07152
KLAZA 33 YD09213
KLAZA 193 YD119763
KLAZA 190 YD119760
KLAZA 88 YD07169
KLAZA 85 YD07166
KLAZA 73 YD07154
KLAZA 70 YD07151
KLAZA 34 YD09214
KLAZA 191 YD119761
KLAZA 188 YD119758
KLAZA 89 YD07170
KLAZA 84 YD07165
KLAZA 72 YD07153
KLAZA 31 YD09211
KLAZA 35 YD09215
KLAZA 189 YD119759
KLAZA 142 YD07223
KLAZA 87 YD07168
KLAZA 75 YD07156
KLAZA 32 YD09212
KLAZA 44 YD09224
KLAZA 37 YD09217
KLAZA 187 YD119757
KLAZA 140 YD07221
KLAZA 86 YD07167
KLAZA 74 YD07155
KLAZA 29 YD09209
KLAZA 36 YD09216
KLAZA 43 YD09223
KLAZA 39 YD09219
KLAZA 141 YD07222
KLAZA 138 YD07219
KLAZA 77 YD07158
KLAZA 30 YD09210
KLAZA 13 YC37996
KLAZA 38 YD09218
KLAZA 311 YC97707
KLAZA 139 YD07220
KLAZA 136 YD07217
KLAZA 76 YD07157
KLAZA 27 YD09207
KLAZA 14 YC37997
KLAZA 15 YC37998
KLAZA 40 YD09220
KLAZA 310 YC97706
KLAZA 137 YD07218
KLAZA 134 YD07215
KLAZA 25 YD09205
KLAZA 28 YD09208
KLAZA 16 YC37999
KLAZA 17 YC38000
KLAZA 45 YD09225
KLAZA 1 YC37984
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KLAZA 314 YC97722
KLAZA 316 YC97724
KLAZA 2 YC37985
KLAZA 20 YC39053
KLAZA 21 YC39054
KLAZA 46 YD09226
KLAZA 133 YD07214
KLAZA 315 YC97723
DIC 2 YA93471
KLAZA 4 YC37987
KLAZA 5 YC37988
KLAZA 23 YC39056
DIC 4 YA93473
KLAZA 22 YC39055
DIC 6 YA93475
KLAZA 7 YC37990
KLAZA 47 YD09227
KLAZA 24 YC39057
DIC 3 YA93472
DIC 1 YA93470
KLAZA 6 YC37989
KLAZA 9 YC37992
DIC 5 YA93474
KLAZA 8 YC37991
KLAZA 11 YC37994
KLAZA 63 YD09243
DIC 7 YA93476
EAGLE 4 YB35418
EAGLE 2 YB35416
KLAZA 10 YC37993
EAGLE 6 YB35420
EAGLE 8 YB35422
EAGLE 5 YB35415
KLAZA 12 YC37995
EAGLE 10 YB35424
EAGLE 3 YB35417
KLAZA 60 YD09240
KLAZA 58 YD09238
KLAZA 64 YD09244
EAGLE 12 YB35426
EAGLE 7 YB35421
EAGLE 5 YB35419
KLAZA 62 YD09242
EAGLE 9 YB35423
DIC 102 YB35471
DIC 101 YB35470
KLAZA 61 YD09241
KLAZA 59 YD09239
KLAZA 48 YD09228
KLAZA 49 YD09229
EAGLE 11 YB35425
DIC 104 YB35473
DIC 103 YB35472
KLAZA 56 YD09236
KLAZA 54 YD09234
KLAZA 50 YD09230
KLAZA 51 YD09231
DIC 106 YB35475
DIC 105 YB35474
KLAZA 57 YD09237
KLAZA 55 YD09235
KLAZA 52 YD09232
KLAZA 53 YD09233
J. BILL # 15 YA78063
J. BILL # 16 YA78064
J. BILL # 31 YA78079
J. BILL # 32 YA78080
BULL 1 YA81420
JBF 50 YB54943
JON-WEDGE 1 YB35895
D 3 YB57375
D 4 YB57376
J. BILL # 13 YA78061
J. BILL # 14 YA78062
J. BILL # 29 YA78077
JON-WEDGE 2 YB35896
BULL 2 YA81421
J. BILL # 30 YA78078
JBF 6 YB54958

VG 3 YA86408
VG 4 YA86409
VIC 76 YC19430
VIC 75 YC19429
VG 1 YA86406
VG 2 YA86407
VIC 78 YC19432
VIC 77 YC19431
VIC 2 YA86309
ETZEL 19 YA86354
ETZEL 20 YA86355
ETZEL 17 YA86352
ETZEL 18 YA86353
ETZEL 15 YA86350
ETZEL 16 YA86351
ETZEL 33 YA86398
ETZEL 34 YA86369
ETZEL 31 YA86366
ETZEL 32 YA86367
ETZEL 13 YA86348
ETZEL 14 YA86349
ETZEL 43 YA86378
ETZEL 44 YA86379
ETZEL 29 YA86364
ETZEL 30 YA86365
ETZEL 11 YA86346
ETZEL 12 YA86347
ETZEL 41 YA86376
ETZEL 42 YA86377
ETZEL 27 YA86362
ETZEL 28 YA86363
ETZEL 9 YA86344
ETZEL 10 YA86345
ETZEL 39 YA86374
ETZEL 40 YA86375
ETZEL 49 YA86384
ETZEL 50 YA86385
ETZEL 25 YA86360
ETZEL 26 YA86361
ETZEL 7 YA86342
ETZEL 8 YA86343
ETZEL 37 YA86372
ETZEL 38 YA86373
ETZEL 47 YA86382
ETZEL 48 YA86383
ETZEL 23 YA86358
ETZEL 24 YA86359
ETZEL 5 YA86340
ETZEL 6 YA86341
ETZEL 35 YA86370
ETZEL 36 YA86371
ETZEL 45 YA86380
ETZEL 46 YA86381
ETZEL 21 YA86356
ETZEL 22 YA86357
ETZEL 3 YA86338
ETZEL 4 YA86339
ETZEL 1 YA86336
ETZEL 2 YA86337

ROCKHAVEN RESOURCES LTD.

FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS

KLAZA PROPERTY

0 500 1000 1500 2000 m

UTM ZONE 8, NAD 83

FILE: 2013/Klaza/2014 Klaza Assessment Report | DATE: MAY 2014

T.N.
1°59.4'
21°37'
Grid north
Magnetic north
Annual change decreasing 22.9'

3,500
3,700
3,800
3,900
4,000
4,100
4,200
4,300
4,400
4,600
4,700
4,800

6 896 000 mN
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mN
6 886 000 mN

376 000 mE
378 000 mE
380 000 mE
382 000 mE
384 000 mE
386 000 mE
388 000 mE

- Rockhaven Resources Ltd. Property Boundary; 2010-present; Klaza, Dic, Etzel, Jon-Wedge, VG, VIC, Bull, D, J. Bill, JBF, Eagle
- Ansell Capital Property Boundary; 2009; Tawa, Etzel, Discovery Creek, Dome, TBR, Jon Wedge, Bull, D, J. Bill, JBF, Eagle
- Aurchem Exploration Ltd. Property Boundary; 2003-present; Discovery Creek, TBR, Rat, Dome, Dic, Etzel, Jon-Wedge, VG, VIC, Bull, D, J. Bill, JBF, Eagle
- BYG Natural Resources Inc. Property Boundary; 1983-1999; Tawa, KR, Gerald, Dic, Etzel, Jon-Wedge, VG, VIC, Bull, D, J. Bill, JBF, Eagle, Discovery Creek, TBR, Rat, Dome
- Pearl Resources Ltd. Property Boundary; 1986-1988; Etzel
- Kerr Addison Mines Ltd. Property Boundary; 1985-1987; Dic
- Chesbar Resources Inc. Property Boundary; 1987-1988; Dic
- Chevron Minerals Ltd. Property Boundary; 1986-1988; Tawa
- BRX Mining and Petroleum Corp. Property Boundary; 1980-1986; Tawa
- Esansee Exploration Ltd. Property Boundary; 1968-1969; May
- Area Exploration Company Property Boundary; 1971-1973; Betty, Bun, Crow

ROCKHAVEN RESOURCES LTD.

FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

HISTORICAL CLAIM LOCATIONS

KLAZA PROPERTY

0 500 1000 1500 2000 m

UTM ZONE 8, NAD 83

FILE: 2013/Klaza/2014 Klaza Assessment Report | DATE: MAY 2014

ROCKHAVEN RESOURCES LTD.

FIGURE 4

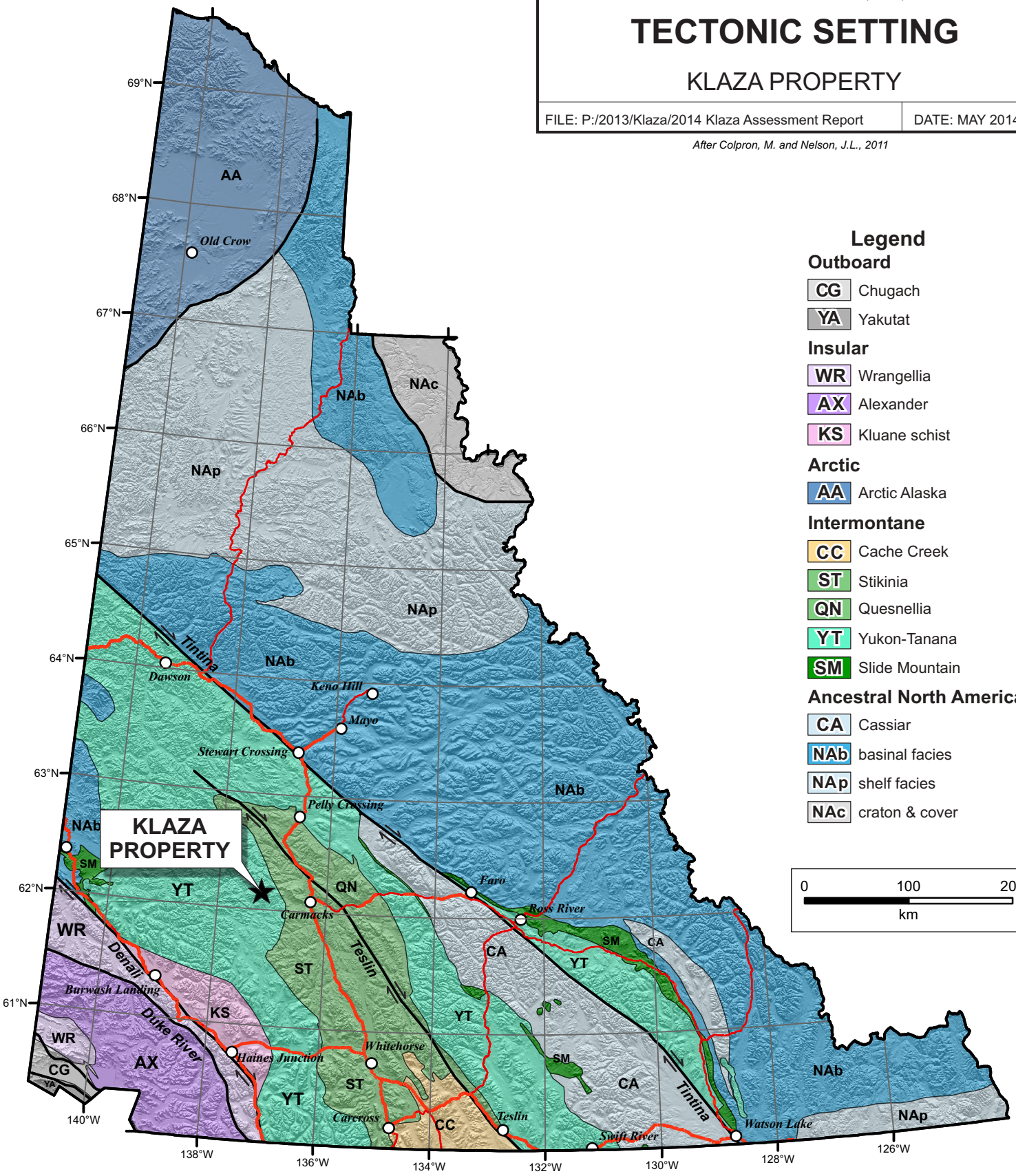
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

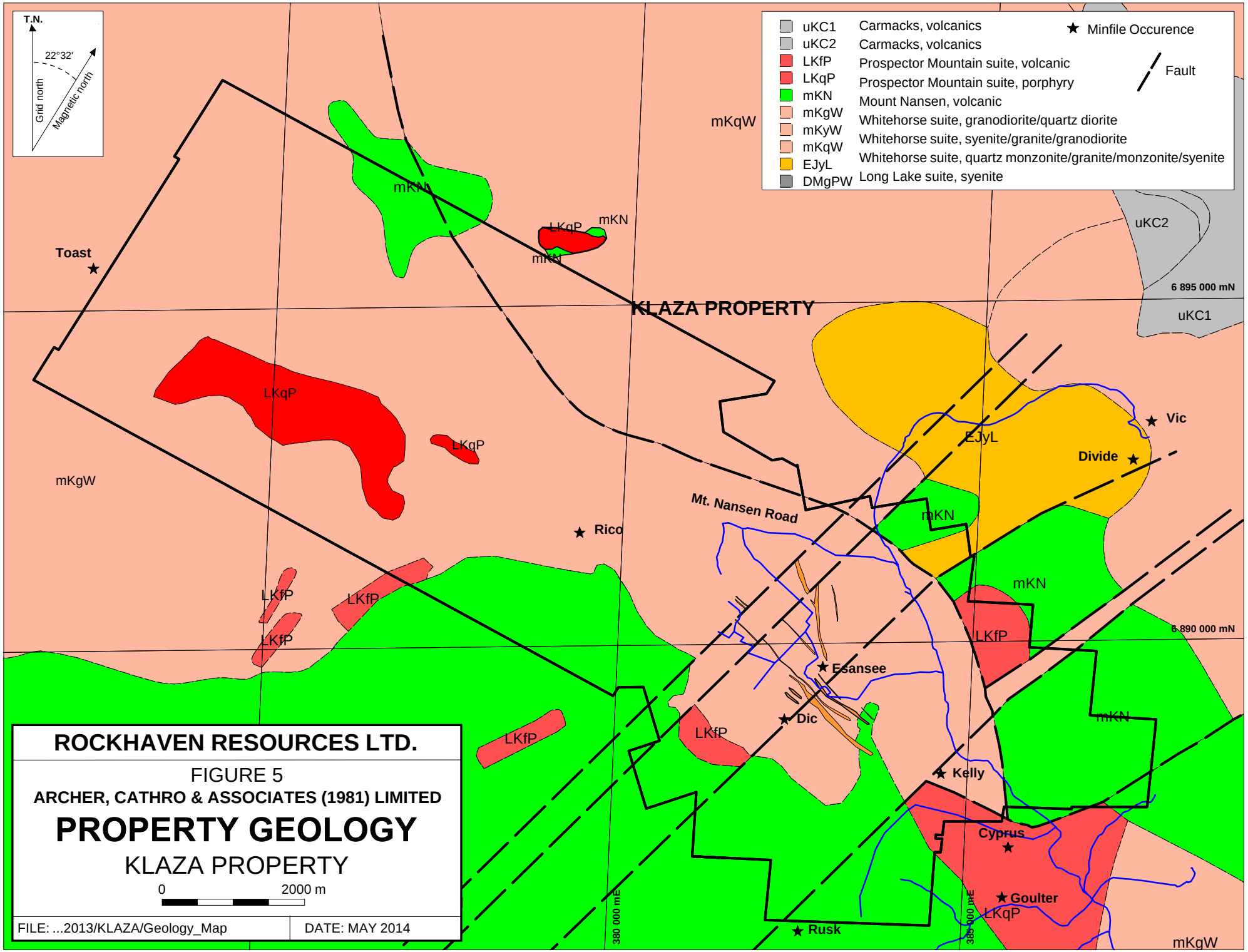
TECTONIC SETTING

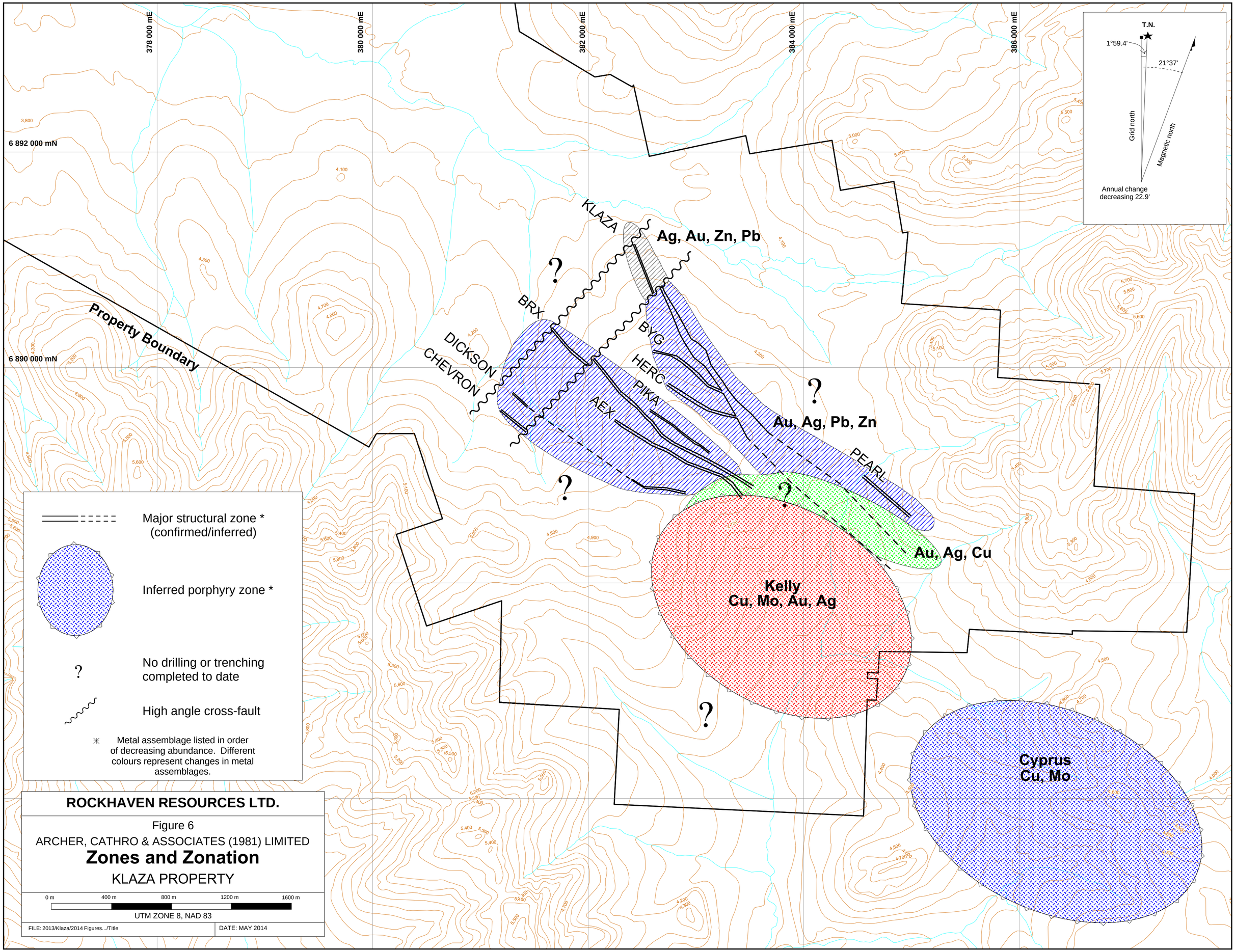
KLAZA PROPERTY

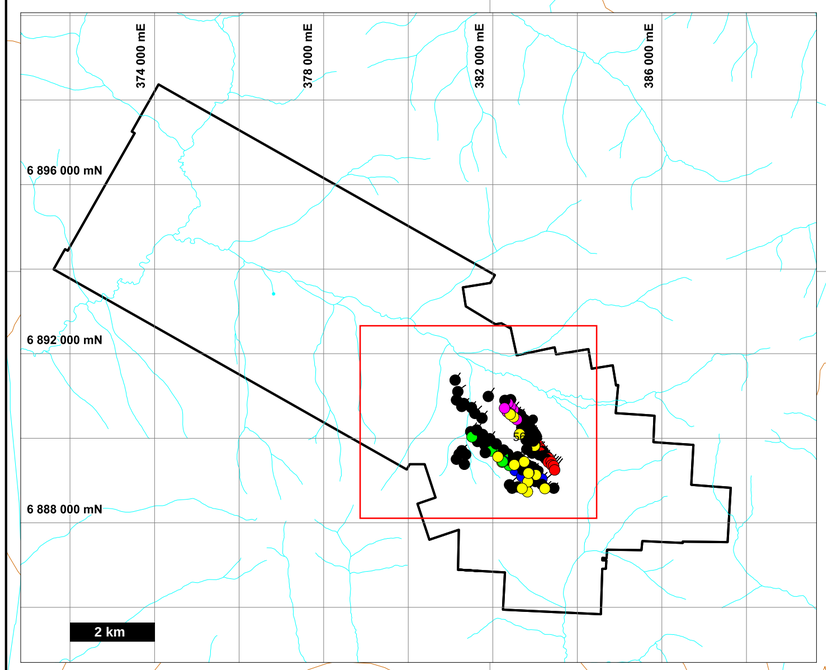
FILE: P:/2013/Klaza/2014 Klaza Assessment Report | DATE: MAY 2014

After Colpron, M. and Nelson, J.L., 2011




T.N.
22°32'
Grid north
Magnetic north
uKC1 Carmacks, volcanics
uKC2 Carmacks, volcanics
LKfP Prospector Mountain suite, volcanic
LKqP Prospector Mountain suite, porphyry
mKN Mount Nansen, volcanic
mKgW Whitehorse suite, granodiorite/quartz diorite
mKyW Whitehorse suite, syenite/granite/granodiorite
mKqW Whitehorse suite, quartz monzonite/granite/monzonite/syenite
EJyL
DMgPW Long Lake suite, syenite
Minfile Occurence
Fault
KLAZA PROPERTY
Toast
Rico
Vic
Divide
Esansee
Dic
Kelly
Cyprus
Goulter
Rusk
Mt. Nansen Road
6 895 000 mN
6 890 000 mN
380 000 mE
390 000 mE
0
2000 m
ROCKHAVEN RESOURCES LTD.
FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY GEOLOGY
KLAZA PROPERTY
FILE: ...2013/KLAZA/Geology_Map
DATE: MAY 2014


378 000 mE
380 000 mE
382 000 mE
384 000 mE
386 000 mE
6 892 000 mN
6 890 000 mN
T.N.
1°59.4'
21°37'
Grid north
Magnetic north
Annual change
decreasing 22.9'
Property Boundary
KLAZA
Ag, Au, Zn, Pb
BRX
DICKSON
CHEVRON
BYG
HERC
PIKA
AEX
PEARL
Au, Ag, Pb, Zn
Au, Ag, Cu
Kelly
Cu, Mo, Au, Ag
Cyprus
Cu, Mo
Major structural zone *
(confirmed/inferred)
Inferred porphyry zone *
No drilling or trenching
completed to date
High angle cross-fault
* Metal assemblage listed in order of decreasing abundance. Different colours represent changes in metal assemblages.
ROCKHAVEN RESOURCES LTD.
Figure 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
Zones and Zonation
KLAZA PROPERTY
0 m
400 m
800 m
1200 m
1600 m
UTM ZONE 8, NAD 83
FILE: 2013/Klaza/2014 Figures.../Title
DATE: MAY 2014



382 000 mE

384 000 mE

T.N.
1°59.4'W
21°37'
Grid north
Magnetic north
Annual change decreasing 22.9'

Property Boundary

6 892 000 mN

6 890 000 mN

5,000

4,000

4,100

4,200

4,300

4,400

4,500

4,600

4,700

4,800

4,900

5,000

5,100

5,800

M897807-M897808
KL-12-107
KL-12-79
KL-12-131
KL-12-75
KL-12-115
KL-12-127
KL-12-124
KL-12-122
KL-12-133
KL-12-96
KL-12-72
N815548-N815550
KL-12-88
KL-12-102
KL-12-99
KL-12-109
KL-12-105
KL-12-112
KL-12-108
KL-12-103
N815075-N815078
KL-12-89
KL-12-97
KL-12-66
KL-12-123
KL-12-114
KL-12-126
KL-12-125
KL-12-65
KL-12-64
KL-12-67
KL-12-68
KL-12-71
KL-12-77
KL-12-80
KL-12-82
KL-12-110
KL-12-116
KL-12-121
N928743
N928664
N928613
N828609
N829949-N829957
N829923
N355793
N355705
N815992
N815760
KL-12-132
N897632
N897651
N897615
N897570
KL-12-81
N815163
N815150
KL-12-130
N895052

Cyanide test sample from trench
Diamond drill hole location
Cyanide test sample from drill core
Metallurgical composite A
Metallurgical composite B
Metallurgical composite C
Metallurgical composite D

ROCKHAVEN RESOURCES LTD.

FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Metallurgical Sample Locations

KLAZA PROPERTY

0 m 200 m 400 m 600 m 800 m

UTM ZONE 8, NAD 83

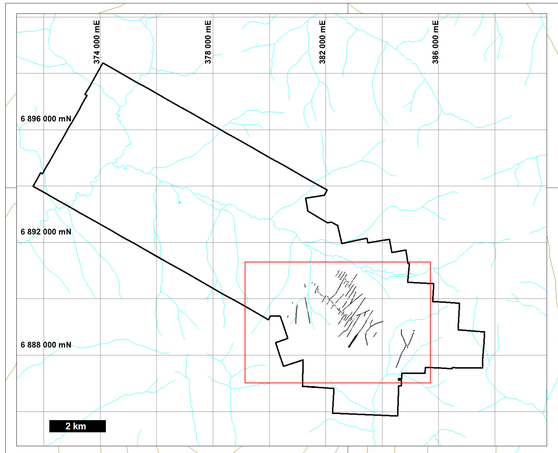
FILE: 2012/Klaza/2013 Klaza Assessment Report | DATE: MAY 2013

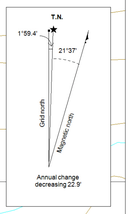
Sample #	Zone	Location	Interval Width (m)	Original Assay		Cyanidation		Cyanide Recovery	
				Au	Ag	Au	Ag	%Au	%Ag
N815163	Dickson	TR-12-01	1.97	5.01	49	4.24	44.17	85%	90%
N815150	Dickson	TR-12-01	4.45	1.435	11.9	1.41	9.5	98%	80%
N897615	Dickson	TR-12-02	1.6	10.85	93.6	8.57	60.19	79%	64%
N895052	Dickson	TR-12-02	2.32	1.2	44.4	0.9	23.44	75%	53%
N897570	Dickson	TR-12-02	0.8	1.005	19.3	1.1	11.6	109%	60%
N897632	Dickson	TR-12-02	1.82	1.765	1.28	1.82	1.23	103%	96%
N897651	Dickson	TR-12-02	0.8	1.38	6.49	1.18	2.86	86%	44%
N829923	Eastern Klaza	TR-12-08	0.63	2.15	50.3	2.03	14.43	94%	29%
N829949	Eastern Klaza	TR-12-08	0.58	8.89	10.75	7.29	9.52	82%	89%
N829950	Eastern Klaza	TR-12-08	0.82	1.695	4.62	1.5	2.49	88%	54%
N829952	Eastern Klaza	TR-12-08	0.64	4.25	2.97	2.63	1.66	62%	56%
N829954	Eastern Klaza	TR-12-08	1.7	1.675	1.17	1.71	0.7	102%	60%
N829957	Eastern Klaza	TR-12-08	0.95	1.755	3.61	1.44	1.88	82%	52%
N828609	Eastern Klaza	TR-12-08	1.25	1.405	16.75	1.06	5.83	75%	35%
N828613	Eastern Klaza	TR-12-08	0.61	1.665	56.2	1.53	22.56	92%	40%
N828664	Eastern Klaza	TR-12-08	0.88	1.21	50.9	1.14	16.67	94%	33%
N828743	Eastern Klaza	TR-12-08	1.46	1.285	53.4	0.88	39.36	68%	74%
N815550	BRX	TR-12-23	0.9	5.46	82.6	4.67	57.14	86%	69%
N815548	BRX	TR-12-23	1.1	1.785	49	2.47	13.1	138%	27%
N815549	BRX	TR-12-23	1.4	2.6	95.4	1.49	23.65	57%	25%
M897808	Western Klaza	TR-12-35	1.25	3.32	66.1	3.25	56.56	98%	86%
M897807	Western Klaza	TR-12-35	1	8.29	452	7.12	308.7	86%	68%
N815075	Dickson Ext.	TR-12-36	2.3	5.73	279	4.81	219.9	84%	79%
N815076	Dickson Ext.	TR-12-36	2.5	6.7	355	6.15	260.5	92%	73%
N815077	Dickson Ext.	TR-12-36	2	1.075	64.2	1.03	56.97	96%	89%
N815078	Dickson Ext.	TR-12-36	2.4	1.18	39.5	1.01	37.04	86%	94%
N815760	Porphyry/ BRX	TR-12-39	1.05	1.115	34.4	1.1	16.03	99%	47%
N815992	Porphyry/ BRX	TR-12-39	1.4	1.38	31.6	1.63	4.69	118%	15%
M355705	Porphyry/ BRX	TR-12-39	3	1.46	5.23	1.24	2.11	85%	40%
M355793	Porphyry/ BRX	TR-12-39	1.35	8.41	26.1	8.24	9.88	98%	38%
							Avg	**90%**	**59%**

Sample #	Zone	Location	.	Original Assay		Cyanidation		Cyanide Recovery	
				Au	Ag	Au	Ag	%Au	%Ag
N829003	BYG	KL-12-65	1.00	2.78	20	0.8	7.28	29%	36%
N829456	BYG	KL-12-66	1.00	1.05	6.06	0.82	3.57	78%	59%
M899397	Dickson	KL-12-81	1.87	0.788	22.2	0.58	8.11	74%	37%
N810298	Pika	KL-12-89	2.20	3.84	43.2	2.29	19.71	60%	46%
M355249	BRX	KL-12-103	1.00	1.155	35.7	0.62	16.95	54%	47%
M355256	BRX	KL-12-103	1.52	1.895	111	0.5	52.45	26%	47%
N811891	AEX	KL-12-109	1.99	1.285	24.7	1.06	3.65	82%	15%
N813344	AEX	KL-12-112	1.00	5.3	5.5	5.24	3.21	99%	58%
N814751	BRX	KL-12-114	1.17	2.13	1.82	0.78	1.14	37%	63%
N814750	BRX	KL-12-114	1.10	11.9	313	9.54	78.2	80%	25%
M357197	Western Klaza	KL-12-124	2.62	1.33	42.6	1.02	24.1	77%	57%
M357420	AEX	KL-12-125	1.53	2.53	0.47	1.63	0.35	64%	74%
M357427	AEX	KL-12-125	1.27	0.986	7.34	1.04	5.61	105%	76%
M357647	Western Klaza	KL-12-127	1.05	1.72	94.8	0.49	46.98	28%	50%
M359904	Dickson	KL-12-130	1.15	2.55	5.13	0.72	2.74	28%	53%
M356616	AEX	KL-12-132	1.66	2.31	1.55	0.47	1	20%	65%
M356624	AEX	KL-12-132	1.39	1.425	14.95	0.54	4.26	38%	28%
M356626	AEX	KL-12-132	1.16	4.66	2.91	1.25	1.4	27%	48%
M356641	AEX	KL-12-132	1.09	2.38	2.49	0.86	1.21	36%	49%
M356140	BYG	KL-12-133	2.62	1.3	37.4	0.8	19.01	62%	51%
M356139	BYG	KL-12-133	2.74	0.719	23.4	0.61	7.55	85%	32%
							Avg	**57%**	**48%**

Sulphide Sample Testing

Workorder	Sample #	Hole	Zone	Interval Width (m)	Au (g/t)	Ag (g/t)	Coarse Reject Available (kg)	Weight to Composite (kg)
Composite A								
WH12183293	N814098	KL-12-97	BRX	1.31	13.05	17.65	3.45	**0.83**
WH12199386	N813344	KL-12-112	BRX	1	5.3	5.5	2.59	**0.64**
WH12210747	M358779	KL-12-123	BRX	1	5.09	37.4	2.55	**0.64**
WH12213660	M357539	KL-12-125	BRX	1	9.03	27.7	2.48	**0.64**
WH12213660	M357560	KL-12-125	BRX	1.05	3.94	18.2	2.63	**0.67**
WH12213664	M357592	KL-12-125	BRX	1.37	5.75	8.05	2.88	**0.87**
WH12213661	M357605	KL-12-125	BRX	1	4.96	5.95	2.43	**0.64**
WH12215628	M359773	KL-12-126	BRX	1.6	4.4	4.06	3.89	**1.02**
WH12219454	M356626	KL-12-132	BRX	1.16	4.66	2.91	2.87	**0.74**
WH12145812	N829634	KL-12-66	BRX	0.95	0.637	130	5.54	**0.61**
WH12213660	M357527	KL-12-125	BRX	1	6.88	116	2.73	**0.64**
WH12213664	M357594	KL-12-125	BRX	1.15	5.36	75.8	2.83	**0.73**
WH12216600	M359715	KL-12-126	BRX	1.1	1.615	116	3	**0.7**
WH12140553	N829494	KL-12-66	BRX	1	2.63	261	4.4	**0.64**
	Total/Average			15.69	5.35	54.57	44.27	**10.01**
Composite B								
WH12133935	N828065	KL-12-64	Eastern Klaza	1.01	4.59	13.25	3.99	**0.43**
WH12163812	M899874	KL-12-80	Eastern Klaza	1.05	6.52	6.88	4.07	**0.45**
WH12159383	M899422	KL-12-81	Eastern Klaza	2.18	4.81	2.36	3.86	**0.93**
WH12203756	M358478	KL-12-116	Eastern Klaza	1.05	3.81	6.6	2.19	**0.45**
WH12207081	N812644	KL-12-121	Eastern Klaza	1.1	5.3	11.8	3.08	**0.47**
WH12207081	N812651	KL-12-121	Eastern Klaza	2.3	3.88	4.38	5.73	**0.98**
WH12188750	N829244	KL-12-68	Eastern klaza	1	34.1	47.5	3.75	**0.42**
WH12223861	M356410	KL-12-133	Central Klaza	1	5.25	8.32	2.33	**0.42**
WH12223861	M356414	KL-12-133	Central Klaza	3	24.5	3.39	8.48	**1.27**
WH12147829	N828595	KL-12-71	Eastern Klaza	1.25	3.1	70.7	5.4	**0.53**
WH12138696	N829099	KL-12-65	Eastern Klaza	1	16.05	90.2	3.42	**0.42**
WH12155878	M897417	KL-12-77	Eastern Klaza	1	14.65	392	5.15	**0.42**
WH12178649	M897504	KL-12-77	Eastern Klaza	1	7.43	65.2	5.54	**0.42**
WH12145817	N829287	KL-12-68	Eastern Klaza	0.97	1.205	187	3.69	**0.41**
WH12164245	M899722	KL-12-82	Eastern Klaza	1.6	0.85	369	6.38	**0.68**
WH12164246	N810442	KL-12-82	Eastern Klaza	1	1.755	146	4.98	**0.42**
WH12194252	M358014	KL-12-110	Eastern Klaza	1.02	1.215	156	2.72	**0.43**
WH12165527	N828319	KL-12-67	Eastern Klaza	1.02	2.34	234	3.73	**0.43**
	Total/Average			23.55	8.62	87.73	78.49	**9.98**
Composite C								
WH12151248	N829824	KL-12-72	BRX	1.33	10.6	23.2	3.83	**0.82**
WH12219776	N810670	KL-12-88	BRX	2.58	4.64	181	7.66	**1.59**
WH12182389	M355053	KL-12-96	BRX	2.32	25.1	621	6.91	**1.43**
WH12182389	M355063	KL-12-96	BRX	2.9	10.55	92.7	7.29	**1.78**
WH12193441	M355604	KL-12-106	BRX	1	3.42	116	2.83	**0.62**
WH12194652	N813321	KL-12-109	BRX	1.19	3.57	283	3.16	**0.73**
WH12193367	M355205	KL-12-99	BRX	1	0.521	118	2.98	**0.62**
WH12199400	M354103	KL-12-112	BRX	0.77	1.74	167	2.33	**0.47**
WH12188882	N814377	KL-12-102	BRX	1.51	1.745	209	3.7	**0.93**
WH12181680	N814527	KL-12-105	BRX	1.65	1.62	286	4.3	**1.02**
	Total			16.25	7.98	227.38	44.99	**10.01**
Composite D								
WH12219507	M356274	KL-12-133	Central Klaza	1	3.22	400	2.46	**0.61**
WH12219506	M356223	KL-12-133	Central Klaza	1	1.615	105	2.65	**0.61**
WH12223860	M356354	KL-12-133	Central Klaza	1	0.657	265	2.71	**0.61**
WH12155876	N829875	KL-12-75	Western Klaza	1.85	5.66	5.57	3.43	**1.13**
WH12193444	N814629	KL-12-107	Western Klaza	1	4.64	191	2.36	**0.61**
WH12201237	N812930	KL-12-115	Western Klaza	2.11	13.75	357	5.13	**1.29**
WH12210742	M359648	KL-12-122	Western Klaza	1.05	15.9	333	2.44	**0.64**
WH12213668	M357734	KL-12-127	Western Klaza	1	5.73	204	2.58	**0.61**
WH12159051	M897540	KL-12-79	Western Klaza	1.09	1.24	119	1.79	**0.66**
WH12159051	M897542	KL-12-79	Western Klaza	1.12	7.47	1350	1.57	**0.68**
WH12213668	M357748	KL-12-127	Western Klaza	1	1.405	169	2.53	**0.61**
WH12219351	M354519	KL-12-131	Western Klaza	2.16	1.25	207	2.43	**1.32**
WH12202921	N812925	KL-12-115	Western Klaza	1.03	2.98	1560	2.49	**0.63**
	Total			16.41	5.42	374.25	34.57	**10.01**





WESTERN KLAZA

CENTRAL KLAZA

EASTERN KLAZA

FAR EASTERN KLAZA

PEARL

BRX

BYG

HERC

PIKA

AEX

DICKSON

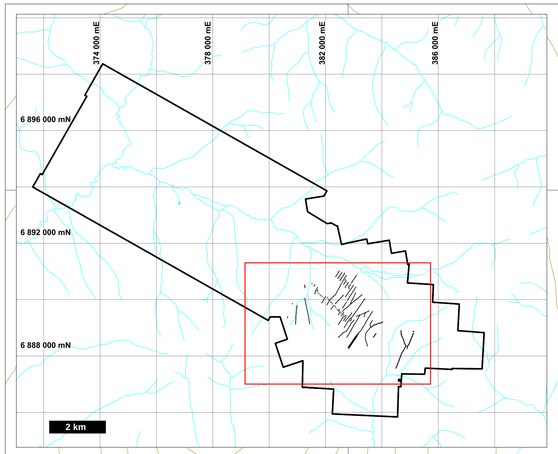
CHEVRON

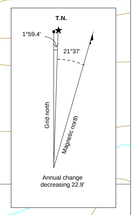
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Property Boundary

TR-12-35 TR-13-71 TR-13-70 TR-11-28 TR-11-33 TR-13-69 TR-13-64 TR-13-65 TR-11-31 TR-13-66 TR-10-19 TR-11-32 TR-11-27 TR-13-62 TR-10-11 TR-10-09 TR-13-51 TR-13-56 TR-13-55 TR-13-45 TR-13-54 TR-13-47 TR-13-67 TR-13-73 TR-13-74 TR-13-75 TR-13-76 TR-13-77 TR-13-78 TR-13-57 TR-13-58 TR-12-23 TR-13-59 TR-13-68 TR-13-63 TR-11-23 TR-11-24 TR-13-44 TR-13-50 TR-10-18 TR-10-17 TR-13-49 TR-10-20 TR-13-52 TR-10-21 TR-10-12S TR-13-61 TR-10-16 TR-13-60 TR-10-07 TR-10-14 TR-10-15 TR-10-04 TR-10-03A TR-10-02 TR-12-01 TR-12-02 TR-10-08 TR-13-46 TR-12-39 TR-13-48 TR-10-03C TR-11-29 TR-11-26 TR-10-12N TR-12-04 TR-10-03B TR-11-22 TR-10-01 TR-12-34 TR-10-13 TR-10-05 TR-10-06 TR-13-40 TR-13-42 TR-13-53 TR-13-43 TR-13-41 TR-12-38B TR-12-36A TR-12-38A TR-12-37 TR-12-36B

- Aplite dyke
- Vein zone
- Breccia zone
- Clay gouge
- Shear zone
- Siliceous feldspar porphyry dyke
- Feldspar porphyry dyke
- Mafic porphyry dyke
- Mt. Nansen Volcanics
- Granodiorite
- Unmapped
- Cross-fault
- 2010-2013 excavator trench
- Main Mineralized Structures (Known)
- Main Mineralized Structures (Inferred)
- TR-12-37 Trench label appear at survey hub at start of trench





WESTERN KLAZA

CENTRAL KLAZA

EASTERN KLAZA

FAR EASTERN KLAZA

PEARL

BRX

BYG

HERC

PIKA

AEX

DICKSON

CHEVRON

?

TR-13-71 TR-12-35 TR-13-70 TR-11-28 TR-13-69 TR-11-33 TR-13-64 TR-11-30 TR-13-65 TR-13-66 TR-10-19 TR-11-32 TR-11-27 TR-13-52 TR-10-11 TR-10-09 TR-13-51 TR-13-56 TR-13-55 TR-13-45 TR-13-54 TR-13-47 TR-13-67 TR-13-73 TR-13-74 TR-13-75 TR-13-76 TR-13-77 TR-13-78 TR-13-57 TR-13-58 TR-12-23 TR-11-24 TR-11-23 TR-13-59 TR-13-60 TR-13-63 TR-13-44 TR-13-50 TR-10-21 TR-13-49 TR-10-20 TR-13-62 TR-10-17 TR-10-12S TR-13-61 TR-13-60 TR-10-16 TR-10-14 TR-10-07 TR-10-18 TR-11-31 TR-10-10 TR-10-03C TR-11-29 TR-11-26 TR-10-12N TR-12-04 TR-10-03B TR-10-01 TR-11-22 TR-12-34 TR-10-15 TR-10-04 TR-10-05 TR-10-06 TR-13-42 TR-13-40 TR-10-03A TR-10-02 TR-12-01 TR-12-02 TR-10-08 TR-13-48 TR-12-39 TR-13-46 TR-13-33 TR-13-43 TR-13-41 TR-12-36A TR-12-38B TR-12-38A TR-12-37 TR-12-36B

Property Boundary

≥ 5.0 ≤ 102
≥ 2.0 < 5.0
≥ 1.0 < 2.0
≥ 0.5 < 1.0
≥ 0.2 < 0.5
≥ 0 < 0.2

*AuEq (g/t) = (Au g/t) + (Ag g/t / 50)

Cross-fault

2010-2013 excavator trench

Main mineralized trend (known)

Main mineralized trend (inferred)

TR-12-37 Trench label appear at survey hub at start of trench

ROCKHAVEN RESOURCES LTD.

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Trench Assays

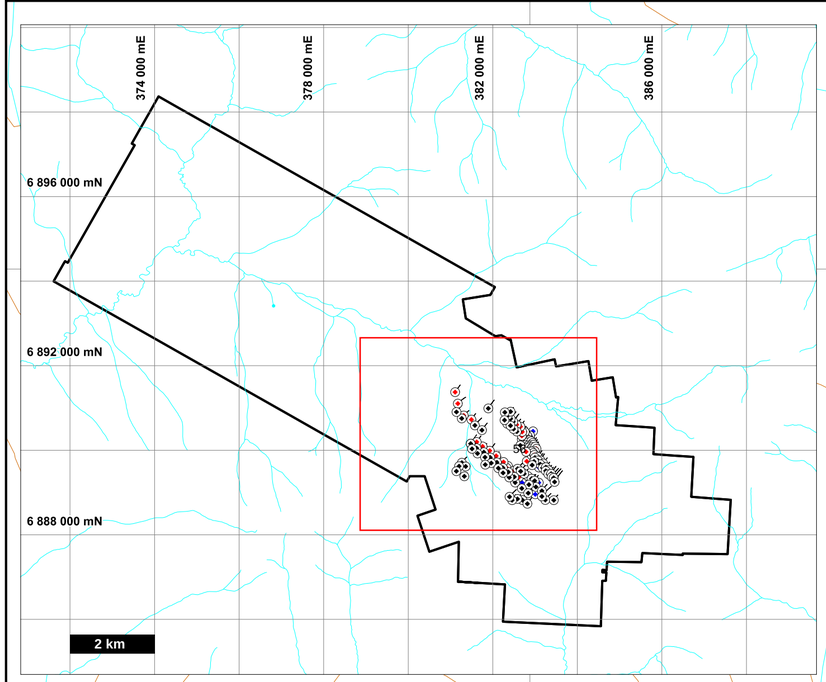
KLAZA PROPERTY

UTM ZONE 8, NAD 83

0 150 300 450 600 750 m

FILE: ...2013\Klaza\2014 Klaza Assessment Report

DATE: MAY 2014



Property Boundary

382 000 mE

384 000 mE

6 892 000 mN

6 890 000 mN

T.N.
1°59.4'
21°37'
Grid north
Magnetic north
Annual change decreasing 22.9'

4,000 4,100 4,200 4,300 4,400 4,500 4,600 4,700 4,800 4,900 5,000 5,100 5,200

Section line
2012 Rockhaven diamond drill hole
2011 Rockhaven diamond drill hole
2010 Rockhaven diamond drill hole

ROCKHAVEN RESOURCES LTD.

FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Drill Hole Locations

KLAZA PROPERTY

0 m 200 m 400 m 600 m 800 m

UTM ZONE 8, NAD 83

FILE: 2012/Klaza/2013 Klaza Assessment Report | DATE: MAY 2013

Klaza Zone Inclined Longitudinal Section

145°

Looking Northeast

Western Klaza Zone

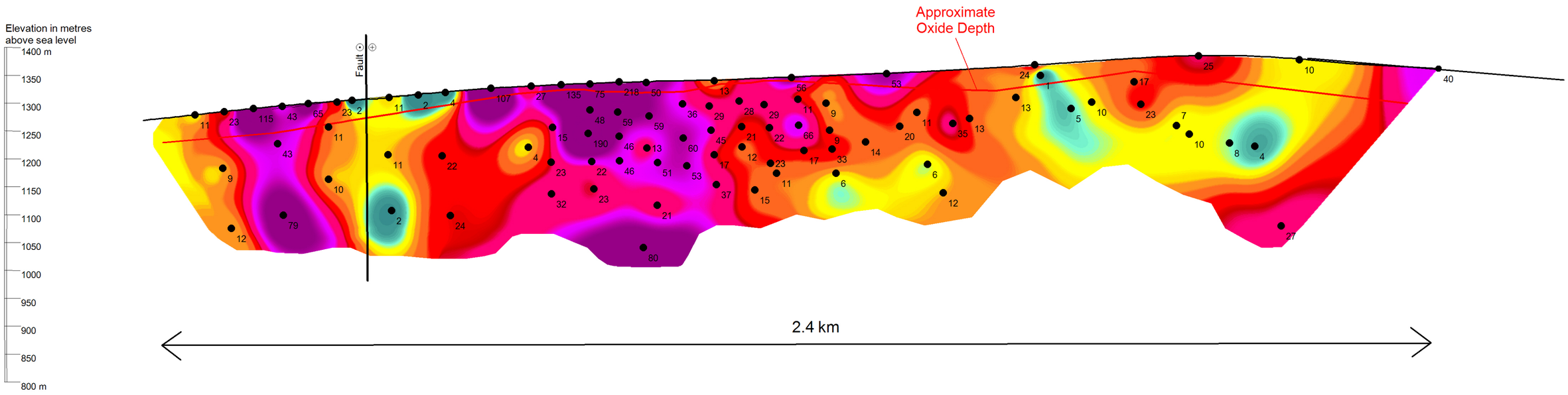
Gold and silver mineralization hosted in discrete veins form fairly continuous shoots of mineralization

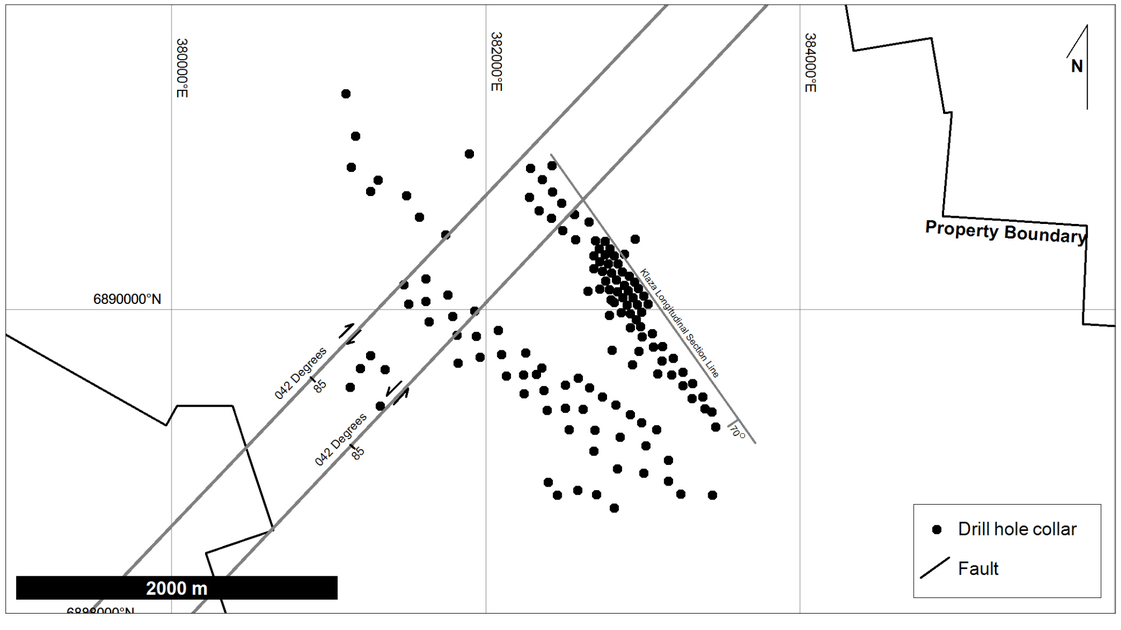
Central Klaza Zone

Bifurcating gold- and silver- bearing veins and breccias associated with a swarm of feldspar porphyry dykes

Eastern Klaza Zone

Mineralization is hosted in a sheeted vein complex and surrounding alteration zones.





Gold Equivalent* x Metres (g/t x m)

30-190

20-30

10-20

5-10

0-5

Drill hole and trench interception point, respectively, displaying gold equivalent x metres

*Gold equivalent calculations used metal prices of $1300 per ounce gold and $26.00 per ounce silver and assumes 100% recoveries.

ROCKHAVEN RESOURCES LTD.

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Klaza Zone Inclined Longitudinal Section

KLAZA PROPERTY

0 50 100 150 200 250 m

UTM ZONE 8, NAD 83

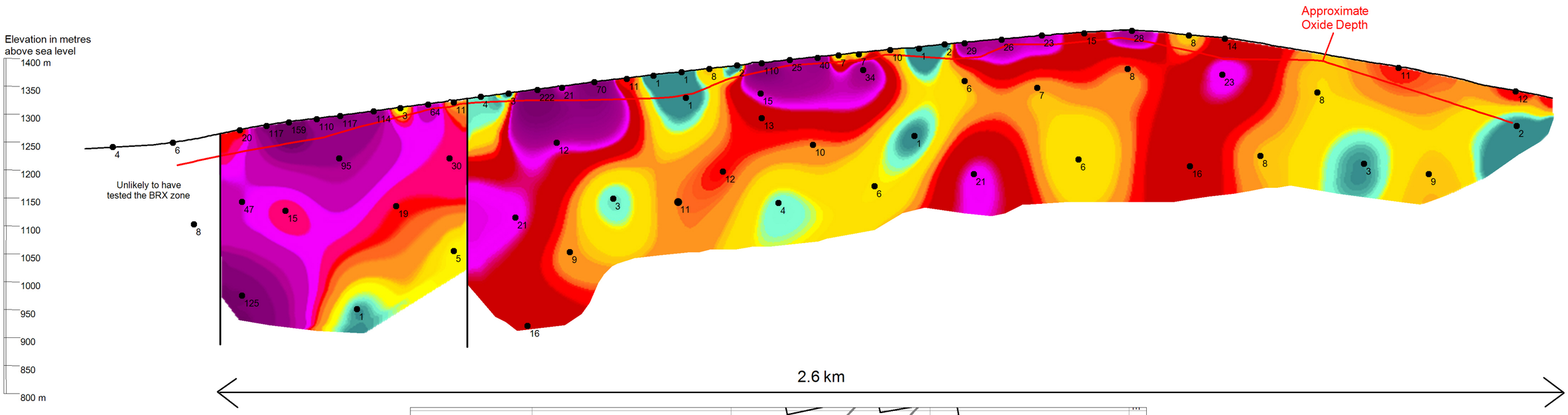
FILE: ...2013\Klaza\Sept 24 PR

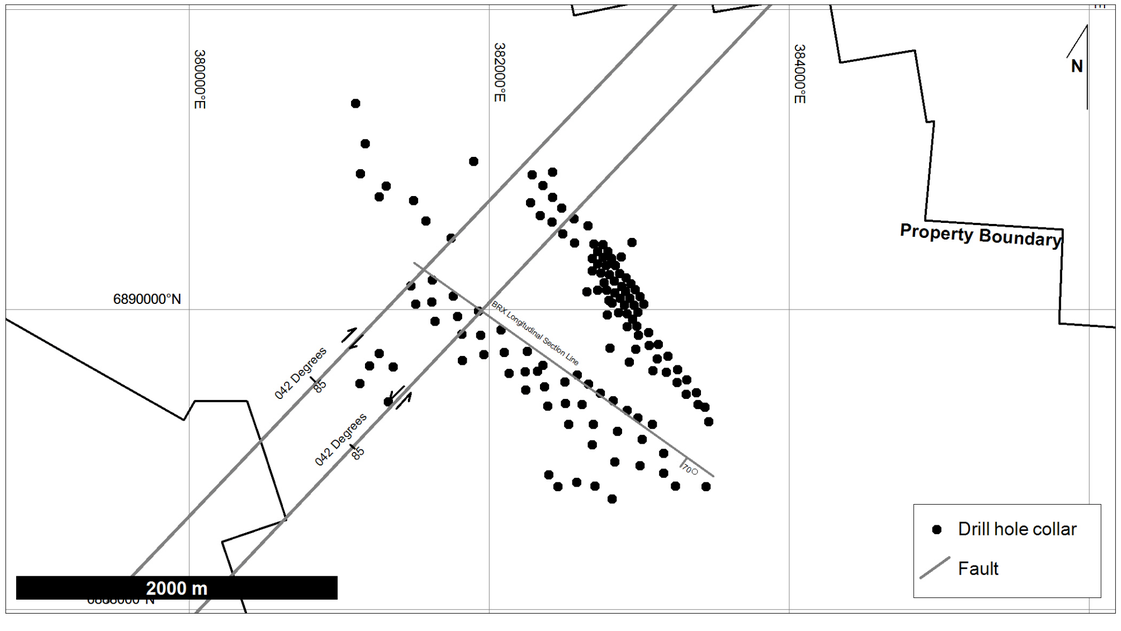
DATE: Sept 2013

BRX Inclined Longitudinal Section

125°

Looking Northeast





Gold Equivalent x Metres (g/t x m)

20-222

10-20

5-10

0-5

Drill hole and trench interception point, respectively, displaying gold equivalent x metres

Fault

*Gold equivalent calculations used metal prices of $1300 per ounce gold and $26.00 per ounce silver and assumes 100% recoveries.

ROCKHAVEN RESOURCES LTD.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BRX Inclined Longitudinal Section

KLAZA PROPERTY

0 50 100 150 200 250 m

382826 E 6889392 N

FILE: ...2013\Klaza\...\Figures\longsection_BRX | DATE: May 2014

T.N.

22°32'

Grid north

Magnetic north

4,300

4,300

3,800

4,200

KLAZA

BRX

DICKSON

CHEVRON

BYG

HERC

PIKA

AEX

PEARL

0 500 1000 1500 2000 m

6 894 000 mN

6 892 000 mN

6 890 000 mN

6 888 000 mN

374 000 mE

376 000 mE

378 000 mE

380 000 mE

382 000 mE

384 000 mE

22.605
2.814
1.954
1.507
1.216
0.967
0.808
0.658
0.533
0.431
0.345
0.272
0.206
0.149
0.098
0.052
0.009
-0.033
-0.073
-0.117
-0.150
-0.189
-0.227
-0.265
-0.302
-0.341
-0.383
-0.430
-0.480
-0.535
-0.597
-0.667
-0.752
-0.853
-0.980
-1.143
-1.351
-1.664
-2.220
-13.562

VDV (nT/m)

1
0.735
0.707
0.657
0.575
0.452
0.294
0.119
-0.0536
-0.212
-0.343
-0.448
-0.528
-0.589
-0.633
-0.666
-0.704

VLF-EM

Cross-fault

Known mineralized zones

ROCKHAVEN RESOURCES LTD.

FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

VLF-EM AND VERTICAL FIRST DERIVATIVE MAGNETICS

KLAZA PROPERTY

0 500 1000 1500 2000 m

UTM ZONE 8, NAD 83

FILE: 2013/Klaza/.../Zone_Ofsets

DATE: MAY 2014

T.N.
1°59.4'
21°37'
Grid north
Magnetic north
Annual change
decreasing 22.9'

6 896 000 mN
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mN
6 886 000 mN

KLAZA
BRX
BYG
HERC
PIKA
AEX
DICKSON
CHEVRON
PEARL

Gold Geochemistry (ppb)
Using Triangulation Analytical Techniques

Mineralized Trend

≥100 < 6582
≥50 < 100
≥20 < 50
≥10 < 20
0 < 10

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FIGURE 14
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD SOIL GEOCHEMISTRY
GRID VALUES
KLAZA PROPERTY

0 500 1000 1500 2000 m
UTM ZONE 8, NAD 83

FILE: 2013/Klaza/2014 Klaza Assessment Report | DATE: MAY 2014

376 000 mE
378 000 mE
380 000 mE
382 000 mE
384 000 mE
386 000 mE
388 000 mE

T.N.
1°59.4'
21°37'
Grid north
Magnetic north
Annual change decreasing 22.9'

6 896 000 mN
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mN
6 886 000 mN

376 000 mE
378 000 mE
380 000 mE
382 000 mE
384 000 mE
386 000 mE
388 000 mE

KLAZA
BRX
BYG
HERC
PIKA
AEX
DICKSON
CHEVRON
PEARL

Silver Geochemistry (ppm)
Using Triangulation Analytical Techniques

Mineralized Trend

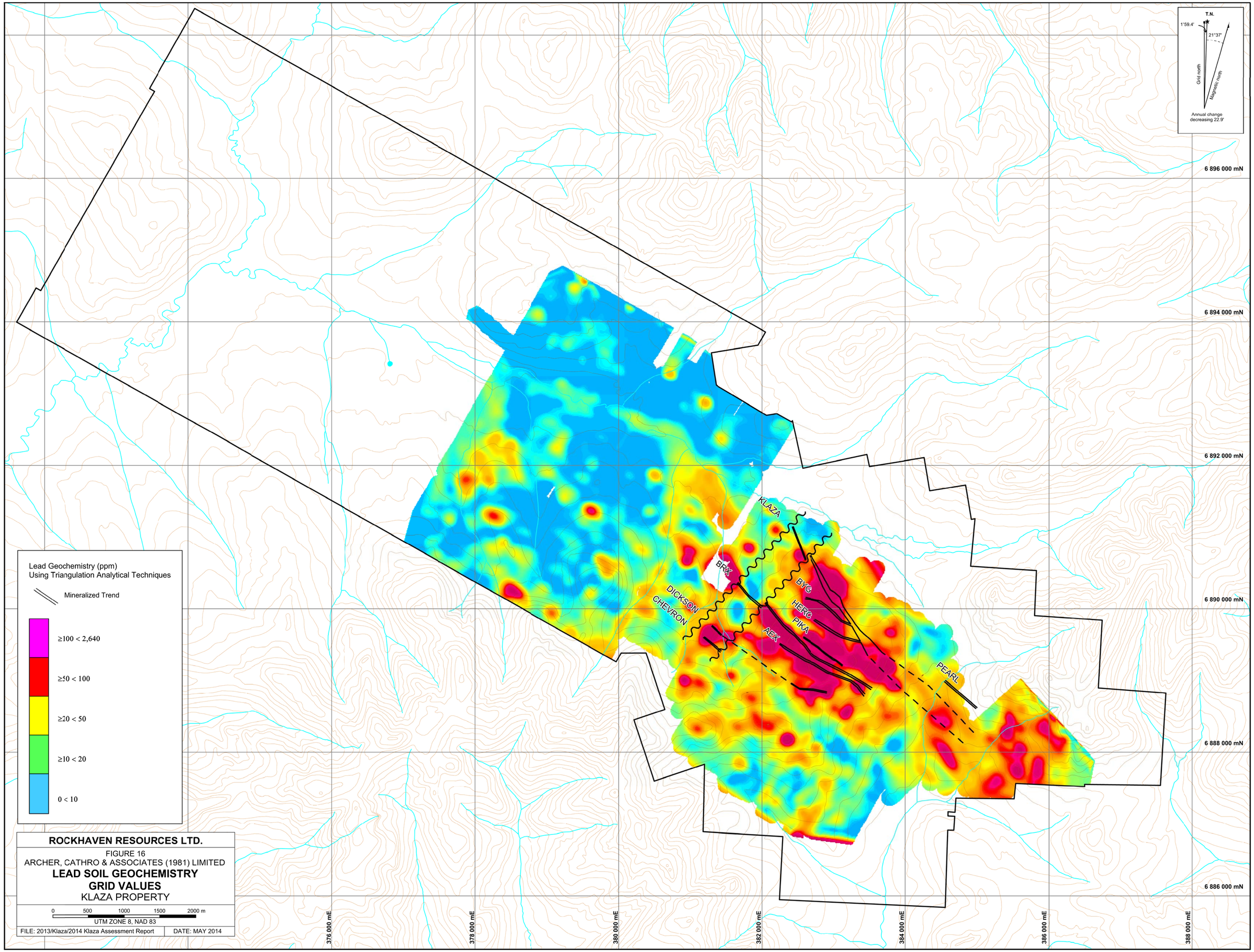
≥2 < 61.3
≥1 < 2
≥0.5 < 1
≥0.2 < 0.5
0 < 0.2

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FIGURE 15
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SILVER SOIL GEOCHEMISTRY
GRID VALUES
KLAZA PROPERTY

0 500 1000 1500 2000 m
UTM ZONE 8, NAD 83

FILE: 2013/Klaza/2014 Klaza Assessment Report | DATE: MAY 2014


T.N.
1°59.4'
21°37'
Grid north
Magnetic north
Annual change
decreasing 22.9'
6 896 000 mN
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mN
6 886 000 mN
376 000 mE
378 000 mE
380 000 mE
382 000 mE
384 000 mE
386 000 mE
388 000 mE
KLAZA
BRX
DICKSON
CHEVRON
BYG
HERC
PIKA
AEX
PEARL
Lead Geochemistry (ppm)
Using Triangulation Analytical Techniques
Mineralized Trend
≥100 < 2,640
≥50 < 100
≥20 < 50
≥10 < 20
0 < 10
ROCKHAVEN RESOURCES LTD.
FIGURE 16
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LEAD SOIL GEOCHEMISTRY
GRID VALUES
KLAZA PROPERTY
0 500 1000 1500 2000 m
UTM ZONE 8, NAD 83
FILE: 2013/Klaza/2014 Klaza Assessment Report
DATE: MAY 2014

T.N.
1°59.4'
21°37'
Grid north
Magnetic north
Annual change
decreasing 22.9'

6 896 000 mN
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mN
6 886 000 mN

376 000 mE
378 000 mE
380 000 mE
382 000 mE
384 000 mE
386 000 mE
388 000 mE

KLAZA
BRX
BYG
HERC
PIKA
AEX
DICKSON
CHEVRON
PEARL

Arsenic Geochemistry (ppm)
Using Triangulation Analytical Techniques

Mineralized Trend

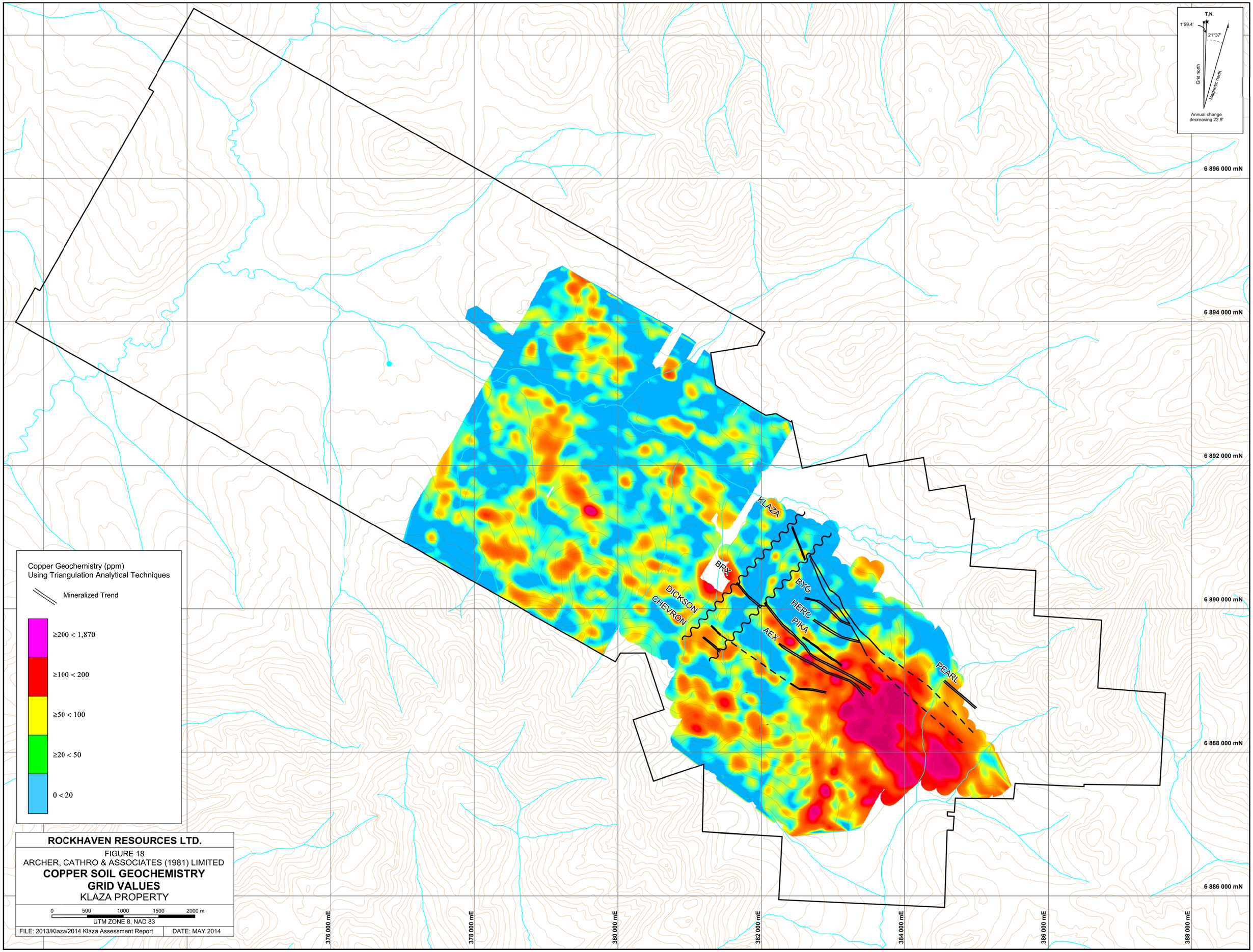
≥100 < 1,750
≥50 < 100
≥20 < 50
≥10 < 20
0 < 10

ROCKHAVEN RESOURCES LTD.

FIGURE 17
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ARSENIC SOIL GEOCHEMISTRY
GRID VALUES
KLAZA PROPERTY

0 500 1000 1500 2000 m
UTM ZONE 8, NAD 83

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T.N.
1°59.4'
21°37'
Grid north
Magnetic north
Annual change
decreasing 22.9'
6 896 000 mN
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mN
6 886 000 mN
376 000 mE
378 000 mE
380 000 mE
382 000 mE
384 000 mE
386 000 mE
388 000 mE
KLAZA
BRX
DICKSON
CHEVRON
BYG
HERC
PIKA
AEX
PEARL
Copper Geochemistry (ppm)
Using Triangulation Analytical Techniques
Mineralized Trend
≥200 < 1,870
≥100 < 200
≥50 < 100
≥20 < 50
0 < 20
ROCKHAVEN RESOURCES LTD.
FIGURE 18
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER SOIL GEOCHEMISTRY
GRID VALUES
KLAZA PROPERTY
0 500 1000 1500 2000 m
UTM ZONE 8, NAD 83
FILE: 2013/Klaza/2014 Klaza Assessment Report
DATE: MAY 2014