Original

Area Exploration Company
Mount Nansen Project
Whitehorse Mining District, Yukon

Drilling 1971 and 1972

R. A. Dickinson
P. F. Lewis

Dec. 1972

012148

AREA EXPLORATION COMPANY

MOUNT NANSEN PROPERTY

WHITEHORSE MINING DISTRICT, YUKON TERRITORY

DRILLING, 1971 AND 1972

with appendix: DRILLING, 1973

R.A. DICKINSON, B.Sc.
and
P.F. LEWIS, B.Sc.

October 1973

ILLUSTRATIONS

FIGURES

In Text:

		Page
Figure 1	Graphic Log of CD-1 and CD-2	3
Figure 2	Metal Content, CP-1 to CP-9	5
Figure 3	Graphic Log, CD-3	19
Figure 4	Graphic Log, CD-4	20
Figure 5	Graphic Log, CD-5	21
Figure 6	Graphic Log, CD-6	22
Figure 7	Graphic Log, CD-7	23
Figure 8	Graphic Log, CD-8	24
Figure 9	Graphic Log, CD-9	25
Figure 10	Graphic Log, CD-10	26
Figure 11	Graphic Log, CD-13	27
Figure 12	Graphic Log, CD-14	28
Figure 13	Graphic Log, CD-15	in Appendix (v)
Figure 14	Graphic Log, CD-16	in Appendix (v)
Figure 15	Graphic Log, CD-17	in Appendix (v)

MAPS

In Pocket:

		Scale
Map 1	Claim Location Plan	1" = 2000'
Map 2	Geology	1" = 1000'
Map 3	Geochemical Soil Survey - Copper	1" = 1000'
Map 4	Geochemical Soil Survey - Molybdenum	1" = 1000'
Map 5	I. P. Survey - Metal Factor	1" = 1000'
Map 6	I. P. Survey - Frequency Effect	1" = 1000'
Map 7	Schematic Geological Section X-Y	1" = 1000'
Map 8	Schematic Geological Section along Line 224N	1" = 100'

GENERAL INTRODUCTION

This report is a review of drilling carried out on the Mount Nansen Property during the 1971 and 1972 field seasons. Recommendations are made to extend drilling to test a new molybdenite-copper find and three other areas that require further exploration.

Work programs have been carried out on Mount Nansen Mines Ltd. claim block by Area Exploration Company during two summer field seasons. During the 1971 summer months a geologically favourable area for an Arizona porphyry type deposit, was delineated at the northern end of the Property. Geological mapping, geochemical surveys and geophysical surveys were used to locate the anomalous zone. Drilling was undertaken to test parts of the anomaly during the latter months of the 1971 season. A complete summary of this initial work can be found in a report titled, "Mount Nansen Project, Geology, Geochemistry and Drilling 1971 by R. A. Dickinson and P. F. Lewis" and a report by P. E. Walcott, "A Geophysical Report on Ground Magnetic, Electromagnetic and Induced Polarization Surveys." After a review of data, drilling was continued from June to October, 1972.

Diamond drilling was contracted to E. Caron Diamond Drilling Ltd. and percussion drilling (1971) was undertaken by Tonto Drilling Ltd. All core was split and assayed over 10 foot sections for total copper and molybdenum. Generally, every third section was assayed for gold. Bondar-Clegg and Company Ltd., Whitehorse, performed all assaying. The core is stored in the core library of the Department of Indian Affairs and Northern Development, Whitehorse.

CONTENTS

	Page
GENERAL INTRODUCTION	1
DRILLING, 1971	2
CD-1	2
CD-2	4
CP-1	4
CP-2	6
CP-3	6
CP-4	6
CP-5	7
CP-6	7
CP-7	7
CP-8	7
CP-9	8
General Remarks	8
DRILLING, 1972	9
CD-3	9
CD-4	10
CD-5	11
CD-6	11
CD-7	12
CD-8	13
CD-9	14
CD-10	15
CD-11	15
CD-12	16
CD-13	16
CD-14	17
SUMMARY	29
RECOMMENDATIONS	33
APPENDICES	
(i) Summary of Costs, 1971 and 1972	
(ii) Condensed 1972 Drill Hole Logistics	
(iii) Diamond Drill Logs, 1971 - 1973	
(iv) Assay Summaries, 1971 - 1973	
(v) Drilling, 1973 - CD-15, 16 and 17	

AREA EXPLORATION COMPANY

MOUNT NANSEN PROJECT

WHITEHORSE MINING DISTRICT, YUKON TERRITORY

DRILLING 1971 AND 1972

R.A. DICKINSON, B.Sc.
and
P.F. LEWIS, B.Sc.

December 1972

CONTENTS

	Page
GENERAL INTRODUCTION	1
DRILLING, 1971	2
CD-1	2
CD-2	4
CP-1	4
CP-2	6
CP-3	6
CP-4	6
CP-5	7
CP-6	7
CP-7	7
CP-8	7
CP-9	8
General Remarks	8
DRILLING, 1972	9
CD-3	9
CD-4	10
CD-5	11
CD-6	11
CD-7	12
CD-8	13
CD-9	14
CD-10	15
CD-11	15
CD-12	16
CD-13	16
CD-14	17
SUMMARY	29
RECOMMENDATIONS	33
APPENDICES	
(i) Summary of Costs	
(ii) Condensed 1972 Drill Hole Logistics	
(iii) Diamond Drill Logs	
(iv) Assay Summaries	

ILLUSTRATIONS

FIGURES

In Text:

		Page
Figure 1	Graphic Log of CD-1 and CD-2	3
Figure 2	Metal Content, CP-1 to CP-9	5
Figure 3	Graphic Log, CD-3	19
Figure 4	Graphic Log, CD-4	20
Figure 5	Graphic Log, CD-5	21
Figure 6	Graphic Log, CD-6	22
Figure 7	Graphic Log, CD-7	23
Figure 8	Graphic Log, CD-8	24
Figure 9	Graphic Log, CD-9	25
Figure 10	Graphic Log, CD-10	26
Figure 11	Graphic Log, CD-13	27
Figure 12	Graphic Log, CD-14	28

MAPS

In Pocket:

		Scale
Map 1	Claim Location Plan	1" = 2000'
Map 2	Geology	1" = 1000'
Map 3	Geochemical Soil Survey - Copper	1" = 1000'
Map 4	Geochemical Soil Survey - Molybdenum	1" = 1000'
Map 5	I. P. Survey - Metal Factor	1" = 1000'
Map 6	I. P. Survey - Frequency Effect	1" = 1000'
Map 7	Schematic Geological Section X-Y	1" = 1000'
Map 8	Schematic Geological Section along Line 224N	1" = 100'

GENERAL INTRODUCTION

This report is a review of drilling carried out on the Mount Nansen Property during the 1971 and 1972 field seasons. Recommendations are made to extend drilling to test a new molybdenite-copper find and three other areas that require further exploration.

Work programs have been carried out on Mount Nansen Mines Ltd. claim block by Area Exploration Company during two summer field seasons. During the 1971 summer months a geologically favourable area for an Arizona porphyry type deposit, was delineated at the northern end of the Property. Geological mapping, geochemical surveys and geophysical surveys were used to locate the anomalous zone. Drilling was undertaken to test parts of the anomaly during the latter months of the 1971 season. A complete summary of this initial work can be found in a report titled, "Mount Nansen Project, Geology, Geochemistry and Drilling 1971 by R. A. Dickinson and P. F. Lewis" and a report by P. E. Walcott, "A Geophysical Report on Ground Magnetic, Electromagnetic and Induced Polarization Surveys." After a review of data, drilling was continued from June to October, 1972.

Diamond drilling was contracted to E. Caron Diamond Drilling Ltd. and percussion drilling (1971) was undertaken by Tonto Drilling Ltd. All core was split and assayed over 10 foot sections for total copper and molybdenum. Generally, every third section was assayed for gold. Bondar-Clegg and Company Ltd., Whitehorse, performed all assaying. The core is stored in the core library of the Department of Indian Affairs and Northern Development, Whitehorse.

Appendixed is a review of drilling carried out during the autumn of 1973.

DRILLING, 1971

A total of 2,480 feet of diamond hole and 3,120 feet of percussion hole was drilled on the Property during the 1971 field season. This footage comprises two diamond holes, CD-1 and CD-2, and nine percussion holes, CP-1 to CP-9 inclusive.

CD-1

Started: August 25, 1971

Finished: September 30, 1971

Location: 224N/208W

Dip and Azimuth: 45°, 045°

Elevation: 4,100 feet

Length of Hole: 1,030 feet

Purpose of Hole: To test (a) a general area of silt and soil copper and molybdenum anomalies.

(b) the geological section in toward the silicified dome at 216N/180W.

(c) the extent of quartz-sericite alteration, seen on surface at the confluence of South and East Forks.

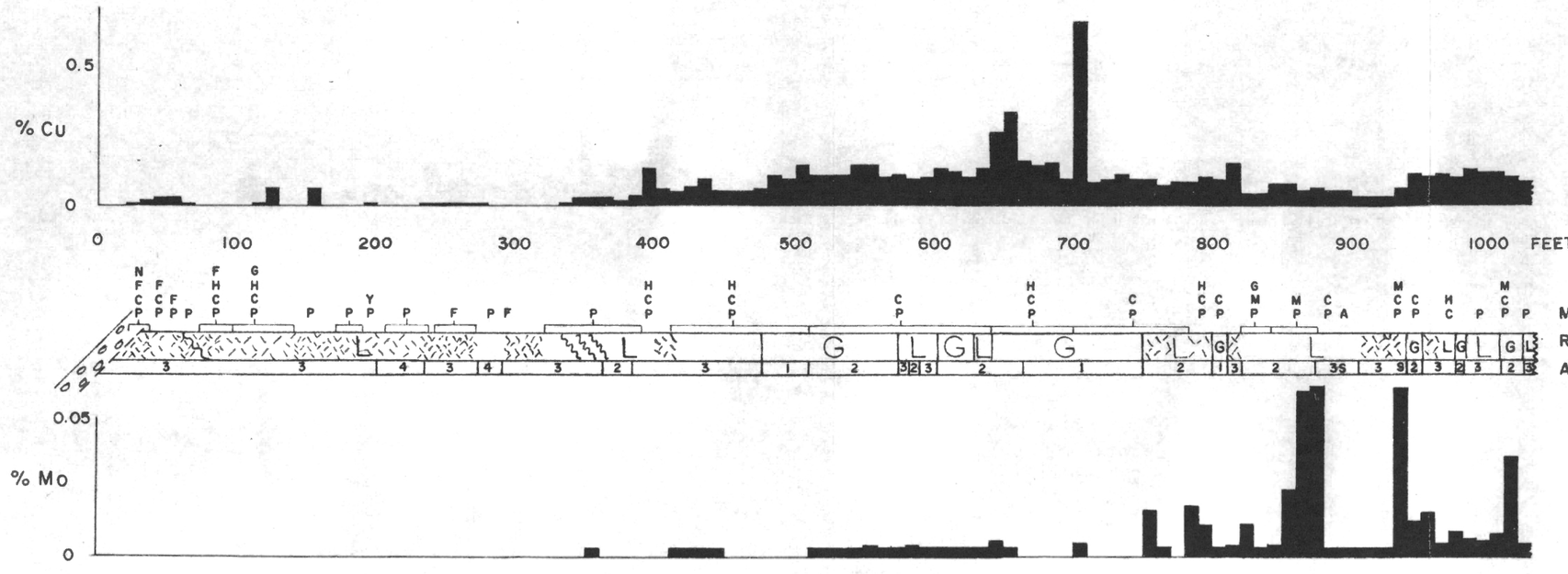
Remarks: The lithology, mineralogy and metal content of the holes is shown on the graphic log overleaf. The following points should be noted:

(1) The presence of breccia as bedrock. This was not noted during surface mapping, thus it may be possible that such unsilicified breccia sub-outcrops over larger areas than thus far suspected.

(2) The presence of fresh granodiorite at depth reaffirming that the extent of the porphyritic rhyodacite intrusion is unknown.

(3) Absence of copper and molybdenum in the top 400 feet of brecciated material and best copper grades in fresh granodiorite.

DIAMOND DRILLING 1971



KEY:

- P - PYRITE
- C - CHALCOPYRITE
- M - MOLYBDENITE
- F - IRON OXIDE
- N - MANGANESE OXIDE
- H - CHALCOCITE
- G - GALENA
- A - ANHYDRITE
- X - MAGNETITE
- Y - CALCITE
- G - GRANODIORITE
- L - QTZ - FELDSPAR PORPHYRY
- BRECCIATION
- FAULT

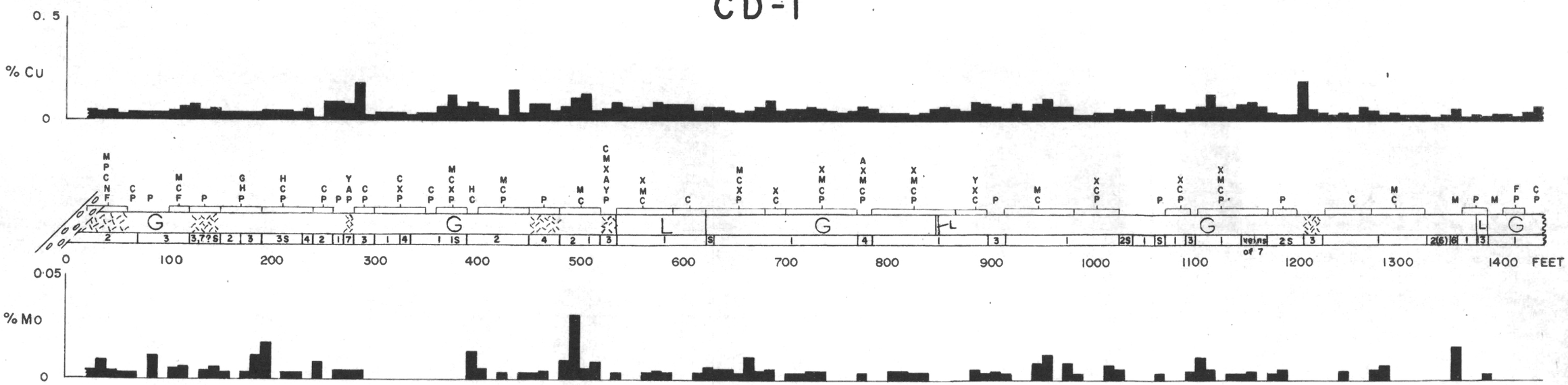
MINERALS NOTED

ROCK FEATURES

ALTERATION FACIES and DIAGNOSTIC MINERALS:

- 1 FRESH
- 2 PROPYLITIC (Chlorite)
- 3 ARGILLIC (Clays)
- 4 ADVANCED ARGILLIC (Clay, Sericite)
- 5 PHYLLIC (Sericite)
- 6 ADVANCED PHYLLIC (Sericite)
- 7 POTASSIC (K-Feldspar)
- S SILICIFIED

CD-1



CD-2

Fig. 1

(4) Antipathetic relationship between copper and molybdenum values, where present, as noted in the soil survey of this area of the Property.

(5) The testing of the section (purpose (b) above) was not achieved due to very difficult drilling and eventual enforced closure of the hole.

(6) No pervasive phyllic alteration was noted.

CD-2

Started: October 1, 1971

Finished: October 7, 1971

Location: 332N/200W

Dip and Azimuth: 45°, 190°

Elevation: 4,200 feet

Length of Hole: 1,450 feet

Purpose of Hole: To test (a) a coincident copper-molybdenum soil anomaly.

(b) a possible westerly extension of a magnetic zone in the granodiorite to the east of the hole.

Remarks: (1) The hole was almost all in granodiorite as expected.

(2) In contrast with CD-1 there is, if anything, a sympathetic relationship between copper, degree of brecciation and molybdenum (note the high coincidence of copper and molybdenum soil anomalies in this area in contrast with CD-1 as well).

CP-1

Started: August 18, 1971

Finished: August 19, 1971

Location: 232N/196W

Depth: 240 feet

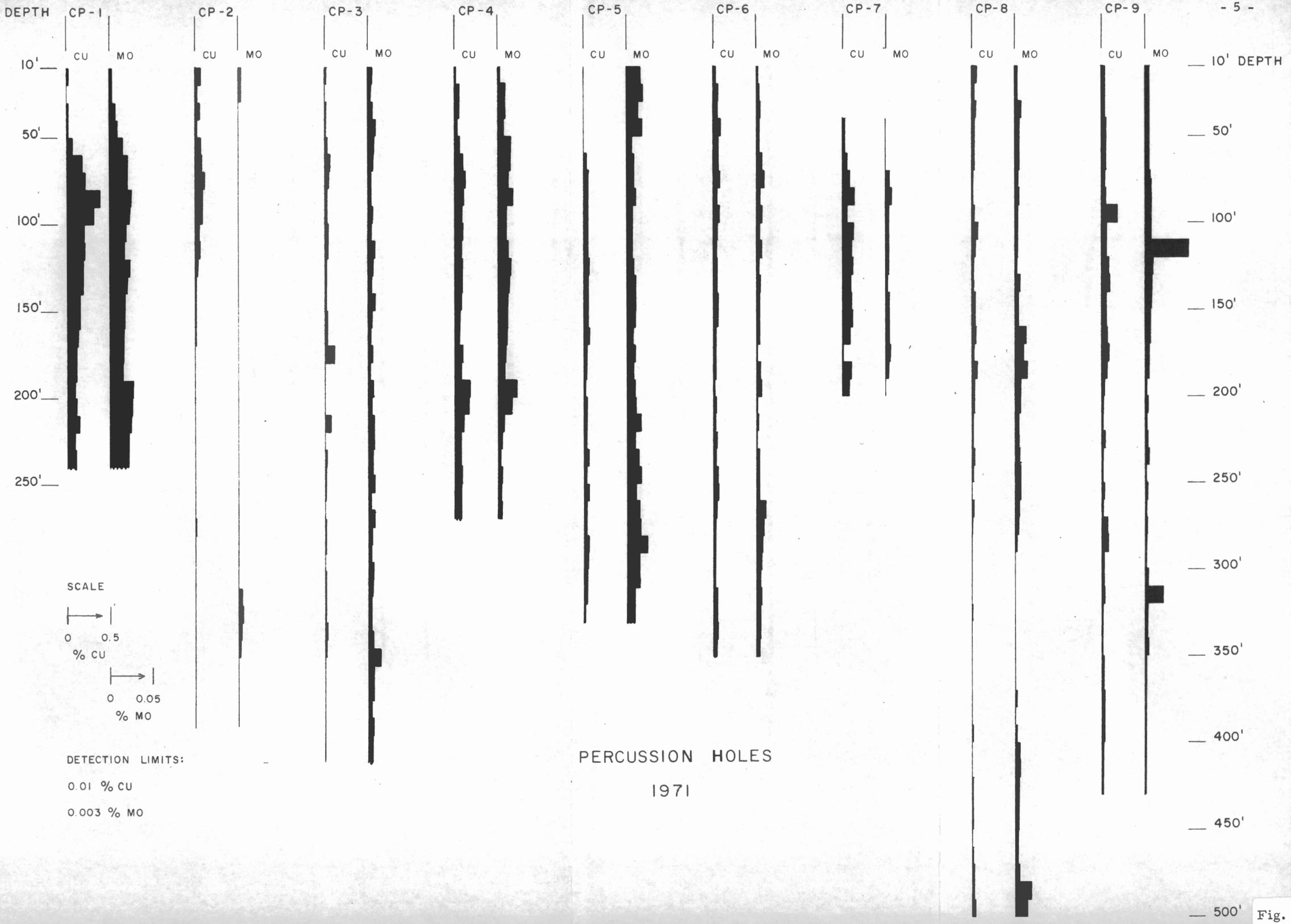

DEPTH
CP-1
CP-2
CP-3
CP-4
CP-5
CP-6
CP-7
CP-8
CP-9
CU
MO
10'
50'
100'
150'
200'
250'
300'
350'
400'
450'
500'
10' DEPTH
50'
100'
150'
200'
250'
300'
350'
400'
450'
500'
SCALE
0 0.5
% CU
0 0.05
% MO
DETECTION LIMITS:
0.01 % CU
0.003 % MO
PERCUSSION HOLES
1971

Fig. 2

Target: Medium copper and molybdenum soil anomalies, the phyllic alteration zone, and an aeromagnetic low.

Remarks: Encouraging grades, especially at around 100 foot depth where some enrichment may have occurred.

CP-2

Started: August 26, 1971

Finished: August 28, 1971

Location: 216N/214W

Depth: 390 feet

Target: Copper anomaly in soils.

Remarks: No encouragement. Again possible enrichment at 100 feet.

CP-3

Started: September 3, 1971

Finished: September 6, 1971

Location: 176N/152W

Depth: 410 feet

Target: Molybdenum anomaly in soils.

Remarks: Low grades, possibly a higher molybdenum to copper ratio than usual.

CP-4

Started: August 20, 1971

Finished: August 21, 1971

Location: 228N/174W

Depth: 270 feet

Target: Copper and lesser molybdenum, anomaly in soils and the margin of a silicified dome.

Remarks: Some encouragement.

CP-5

Started: August 17, 1971

Finished: August 18, 1971

Location: 208N/182W

Depth: 330 feet

Target: Molybdenum anomaly in soils.

Remarks: Higher than usual molybdenum to copper ratio, but grades not encouraging.

CP-6

Started: August 29, 1971

Finished: August 31, 1971

Location: 260N/244W

Depth: 350 feet

Target: Coincident copper and molybdenum anomalies in soils.

Remarks: Grades not encouraging.

CP-7

Started: August 31, 1971

Finished: September 1, 1971

Location: 268N/250W

Depth: 200 feet

Target: Coincident copper and molybdenum anomalies in soils.

Remarks: Some encouragement in copper grades.

CP-8

Started: August 24, 1971

Finished: August 25, 1971

Location: 324N/224W

Depth: 500 feet

Target: Coincident copper and molybdenum anomalies in soils.

Remarks: Grades not encouraging.

CP-9

Started: August 22, 1971

Finished: August 24, 1971

Location: 336N/216W

Depth: 430 feet

Target: Coincident copper and molybdenum anomalies in soils.

Remarks: Grades not encouraging.

General Remarks:

1. Some difficulty was experienced with drilling due to blocky ground and clay-rich horizons.

2. Some enrichment of copper was noted at around 100 feet in some holes.

3. Drilling generally confirms the difference in chemical character of (1) the area of silicified domes, which have non-coincident copper and molybdenum values and (2) the area around the confluence of Nansen Creek or East Fork, which has coincidence of copper and molybdenum.

4. With reference to the I.P. results, analysed after the drilling, Holes CP-3, 4, 8, 9, and CD-2 lie well outside the I.P. halo (see Maps 5 and 6). Holes CP-2, 6 and 7 lie inside the halo and Hole CP-5 lies on its outer edge. Hole CP-1, with encouraging grades, was drilled into the major I.P. anomaly on shallow separations, and Hole CD-1 was drilled into the edge of the halo from the inside and met some encouragement at depth.

DRILLING, 1972

A total of 6,984 feet of diamond hole was drilled on the Mount Nansen Property during the 1972 field season. This footage comprises 12 diamond holes, CD-3 to CD-14. Two 400 foot holes, CD-11 and CD-12, were drilled at the south end of the Property near Pb-Ag-Au vein zones for assessment coverage.

Lithology, mineralogy and metal content of the holes is shown on graphic logs accompanying the following hole descriptions.

CD-3

Started: June 13, 1972

Finished: June 18, 1972

Location: 304+30N/227W

Dip and Azimuth: Vertical

Elevation: 3,775 feet

Length of Hole: 500 feet

Purpose of Hole: To test (a) aeromagnetic low.

(b) a fluvial overburden covered area surrounded by three coincident copper-molybdenum anomalies in soils.

(c) a major intersection of lineaments.

(d) a consistent metal factor anomaly on all four separations.

Remarks: No significant copper or molybdenum assays were returned from CD-3. Traces of supergene chalcocite rimming pyrite were intersected below a 10 foot oxide capping from 94-150 feet. Unlike most other holes, only two consecutive rock types were encountered. Hornblende granodiorite is underlain by rhyodacite porphyry. The extensive length of porphyry core may indicate a porphyry sill contacting with the granodiorite in this area. All other holes except CD-9 intersected narrow quartz-feldspar porphyry dykes cutting batholithic rocks. CD-3 was characterized by erratic changes in intensity of rock alteration, from fresh to strongly argillized. In general the core was mildly-moderately clay altered.

The core was not extensively fractured indicating the postulated structural intersection does not exist.

CD-4

Started: June 18, 1972

Finished: June 22, 1972

Location: 224N/195W

Dip and Azimuth: Vertical

Elevation: 4,100 feet

Length of Hole: 600 feet

Purpose of Hole: To test (a) phyllic alteration zone.

(b) area of encouraging copper molybdenum mineralization as proved by CP-1, 1971.

(c) the major metal factor anomaly on shallow separations.

(d) near major intersection of lineaments.

(e) the edge of major aeromagnetic low.

Remarks: CD-4 intersected significant copper mineralization from 80-220 feet and good molybdenum values from bedrock at 50 feet to the bottom of the hole at 600 feet. Copper assays averaged between 0.2 and 0.3% over the above length and molybdenum averaged 0.0213% over the hole. Supergene chalcocite was concentrated along pyritized shear zones. Sludge samples taken over the supergene zone recorded considerably higher assays than core. Mineralized fractures commonly broke on drilling and mineralization was washed into the sludge. Supergene fluids may have been transported along this fracture system from some distance away.

Quartz diorite, thought to be an early phase of batholithic intrusion,was the predominant rock type intersected. Successive, narrow porphyry dykes cut the quartz diorite over the bottom 300 feet of the hole. These rock types were not intensely altered, in general reaching only an advanced propylitic stage.

CD-5

Started: June 23, 1972

Finished: July 2, 1972

Location: 190N/198W

Dip and Azimuth: Vertical

Elevation: 4,400 feet

Length of Hole: 600 feet

Purpose of Hole: To test (a) inside rim of I.P., metal factor, frequency effect halo.

(b) aeromagnetic low, K_{40} high.

(c) a major lineament.

(d) anomalous copper values in stream silt samples.

Remarks: CD-5, although moderately pyritized did not assay for copper or molybdenum. No chalcocite was logged in this hole but traces of chalcopyrite did occur. Rock types encountered were hornblende granodiorite cut by a series of strongly porphyritic dykes. Large euhedral orthoclase phenocrysts were common. Average intensity of rock alteration was advanced propylitic. Epidote, chlorite and calcite were the main alteration products.

CD-6

Started: July 3, 1972

Finished: July 6, 1972

Location: 199+50N/200W

Dip and Azimuth: Vertical

Elevation: 4,450 feet

Length of Hole: 612 feet

Purpose of Hole: To test (a) silicified and tourmalinized breccia zone.

(b) area within aeromagnetic low and K_{40} high.

(c) area surrounded by streams bearing copper-rich silts and placer gold.

(d) area well inside I.P. metal factor halo (thought to represent pyrite halo).

Remarks: CD-6 intersected a 150 foot oxide capping where jarosite and goethite formed thick coatings on fracture surfaces. Traces of supergene chalcocite were logged although no encouraging copper assays were returned. The 147 foot intersection of tourmalinized and silicified breccia was completely leached and oxidized. Abundant limonite indicates the breccia did carry sulphides. The breccia returned significant gold assays of up to 0.05 oz./ton.

Rock types encountered were tourmaline breccia underlain by granodiorite which was cut by porphyry dykes. Breccia fragments were strongly clay-sericite altered porphyry. The breccia zone appears to dip moderately to the west. Intense clay-sericite alteration, probably in part supergene, appeared in the first 200 feet of the hole. The bottom 400 feet was strongly argillized.

CD-7

Started: July 11, 1972

Finished: July 16, 1972

Location: 204N/195W

Dip and Azimuth: Vertical

Elevation: 4,280 feet

Length of Hole: 500 feet

Purpose of Hole: To test (a) area within aeromagnetic low and K_{40} high.

(b) inside rim of metal factor halo, (thought to represent pyrite halo).

(c) area surrounded by anomalous silts in streams.

Remarks: CD-7 returned low copper assays over its 500 foot length. Supergene chalcocite concentrated along fracture planes from 235-257 feet. Traces of chalcopyrite were logged below the supergene zone. No molybdenite was encountered. Rock type was primarily hornblende granodiorite cut by porphyry dykes. In addition, two black, fine-grained basaltic-looking lamprophyre dykes cut the granodiorite. A mass-spectrograph analysis was run on the lamprophyre rock type and gave the results below:

Aluminum	6.0%	Lead	ND%
Antimony	ND	Magnesium	3.0
Arsenic	ND	Manganese	0.1
Barium	0.1	Molybdenum	ND
Beryllium	ND	Niobium	ND
Bismuth	ND	Nickel	0.01
Boron	Trace	Silicon	Matrix
Cadmium	ND	Silver	Trace
Calcium	3.0	Strontium	0.2
Chromium	0.03	Tantalum	ND
Cobalt	ND	Tin	ND
Copper	0.03	Titanium	0.1
Gallium	0.005	Tungsten	ND
Gold	Trace	Vanadium	0.01
Iron	3.0	Zinc	Trace
Sodium	0.5	Potassium	3.0

Similar lamprophyre dykes were intersected by CD-8 and CD-9. CD-7 averaged a moderately propylitized intensity of rock alteration.

CD-8

Started: July 11, 1972

Finished: July 16, 1972

Location: 180N/190W

Dip and Azimuth: Vertical

Elevation: 4,500 feet

Length of Hole: 850 feet

Purpose of Hole: To test (a) the major metal factor anomaly on deep separations.

(b) the major airborne K_{40} anomaly within the property.

(c) the major aeromagnetic low.

(d) the margin of a silicified porphyry dome.

(e) a topographic high surrounded by drainage giving encouraging silt anomalies in copper and molybdenum.

Remarks: This deep hole met little encouragement and is similar to CD-7 in all respects. CD-8 was moderately to strongly pyritized. Rock type was granodiorite cut by quartz-feldspar porphyry and lamprophyre dykes. Lamprophyre dykes appear to dip steeply. Epidote, chlorite, and carbonates were the main rock alteration products.

CD-9

Started: July 17, 1972

Finished: July 27, 1972

Location: 224N/184W

Dip and Azimuth: Vertical

Elevation: 4,375 feet

Length of Hole: 900 feet

Purpose of Hole: To test (a) large, silicified porphyry dome.

(b) area of strong silicification and clay-sericite rock alteration.

(c) area surrounded by ring of anomalous soils.

(d) for extension of copper-molybdenum mineralization proved by CP-1 and CD-4.

Remarks: CD-9, 1,200 feet northeast of CD-4 and 1,800 feet east of CP-1, returned encouraging copper assays over the section 190'-470' and good molybdenum values from 340'-570'. Supergene chalcocite and locally covellite rimming pyrite were logged below a 275 foot oxide cap to a depth of 585 feet. Brocanthite and malachite were logged in the oxide capping. Similar to CP-1 and possibly CD-4, non-coincident copper and molybdenum assays suggest mineral zoning. Better molybdenum values are commonly found just overlapping or below copper grades. Quartz-feldspar porphyry was intersected over most of the hole, being intruded only by two narrow lamprophyre dykes. The dome structure that CD-9 was drilled into is probably the largest continuous body of quartz-feldspar porphyry on the Property. The porphyry is intensely clay-sericite altered.

CD-10

Started: July 29, 1972

Finished: August 1, 1972

Location: 236N/230W

Dip and Azimuth: Vertical

Elevation: 4,350 feet

Length of Hole: 600 feet

Purpose of Hole: To test (a) a good metal factor anomaly.

(b) a silicified dome.

Remarks: No significant copper or molybdenum assays were returned from CD-10. Supergene chalcocite coating pyrite was logged at 119 feet. Rock types encountered were hornblende granodiorite cut by a series of porphyry apophyses. The core was strongly clay altered. Gypsum (probably supergene) occurred along fractures over the entire hole.

CD-11

Started: August 3, 1972

Finished: August 6, 1972

Location: 7200S/1500W (Mount Nansen Mines Ltd. grid)

Dip and Azimuth: -050°/45°

Elevation: 3,900 feet

Length of Hole: 400 feet

Purpose of Hole: To test (a) geochemical extension of known Mount Nansen Pb-Ag-Au vein zone.

(b) assessment coverage.

and

CD-12

Started: August 7, 1972

Finished: August 9, 1972

Location: 7200S/400W (Mount Nansen Mines Ltd. grid)

Dip and Azimuth: -050°/45°

Elevation: 4,010 feet

Length of Hole: 400 feet

Purpose of Hole: To test (a) geochemical extension of Mount Nansen Pb-Ag-Au vein zone.

(b) assessment coverage.

Remarks: CD-11 and CD-12 were drilled primarily for assessment purposes. The short holes were spotted by B. S. Irmie for Mount Nansen Mines Ltd. on a soil geochemical extension of their Pb-Ag-Au vein zone. The core was left at the camp in the cookhouse for inspection. Yukon Group metamorphics, generally biotite, chlorite schists and feldspathic quartzite were encountered in both holes. Traces of chalcopyrite and malachite were logged.

CD-13

Started: September 22, 1972

Finished: October 6, 1972

Location: 240N/202W

Dip and Azimuth: Vertical

Elevation: 3,950 feet

Length of Hole: 520 feet

Purpose of Hole: To test (a) inside rim of anomalous metal factor halo.

(b) area of coincident copper-molybdenum anomalies in soils.

(c) for extension of mineralized zone proved in CP-1, CD-4 and CD-9.

(d) intersection of major lineaments.

(e) for extension of phyllic alteration zone.

Remarks: CD-13 intersected consistent copper grades of near 0.1% and spotty molybdenum values over its 520 foot length. No supergene mineralization was evident, copper values coming from disseminated chalcopyrite. Molybdenum assays reflect that molybdenite was concentrated locally with quartz stringers. Rock types intersected were quartz diorite cut by narrow porphyry dykes, similar to CD-4 drilled 1,600 feet southeast. The hole was highly broken and altered as it was collared on a major northeasterly-trending fault zone. Some pink orthoclase veinlets characteristic of a potassic alteration facies were cut. Overall the core was strongly clay-sericite altered.

CD-14

Started: October 7, 1972

Finished: October 11, 1972

Location: 288N/220W

Dip and Azimuth: Vertical

Elevation: 3,730 feet

Length of Hole: 502 feet

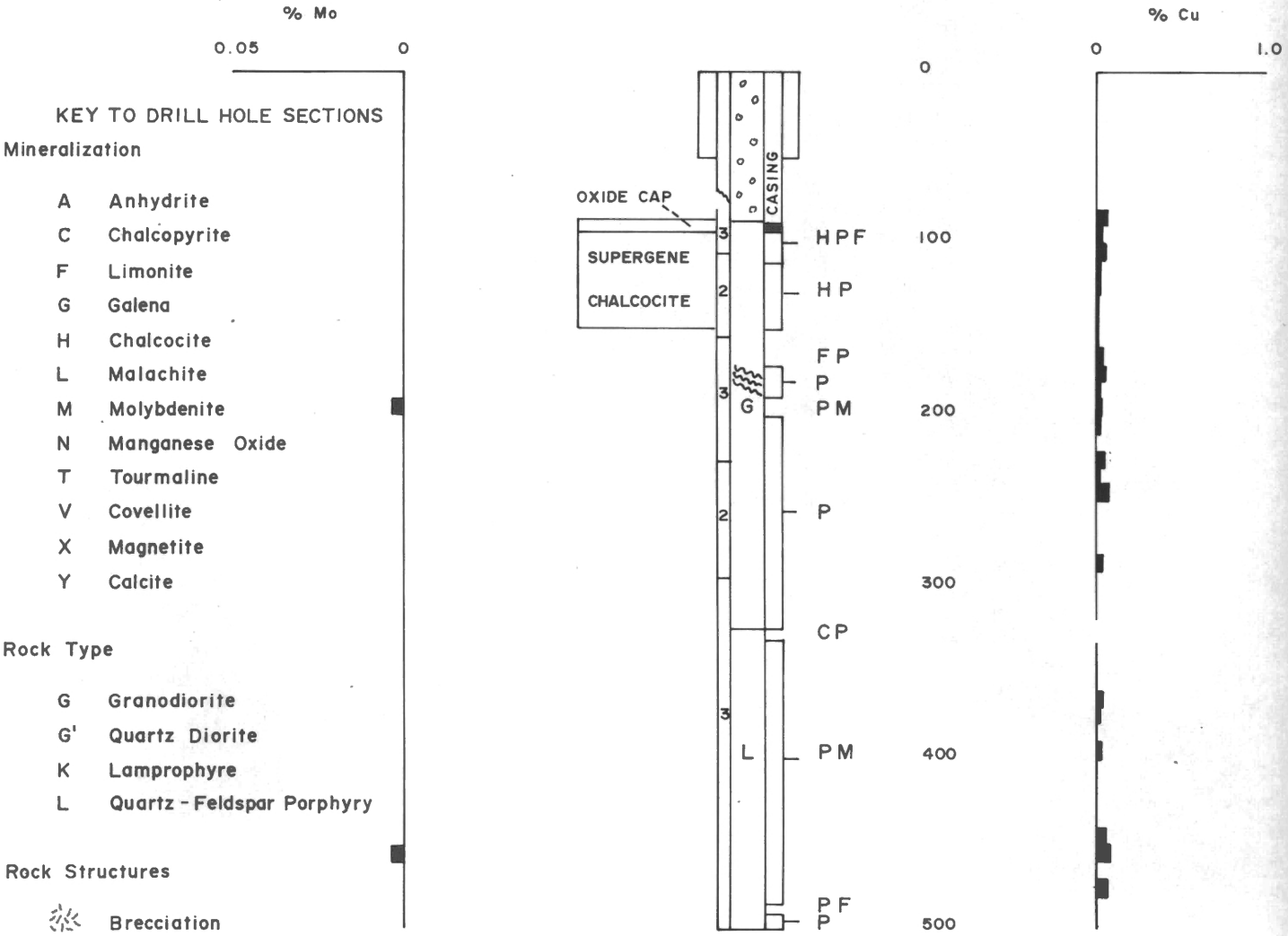
Purpose of Hole: To test (a) inside rim of anomalous I.P. metal factor halo.

(b) area of copper anomaly in soils.

(c) strong intersection of lineaments.

Remarks: No significant copper or molybdenum assays were returned from CD-14. Traces of supergene chalcocite were encountered in the first 26 feet of core. Cobble breccia was intersected over the entire hole. Breccia fragments were subangular, grading from predominantly granodiorite at top to quartz-feldspar porphyry near the bottom. The fragments were welded in a microcrystalline matrix of quartz and minor rock flour. The hole was collared near a structural intersection which suggests the breccia had a cataclastic genesis. The core was strongly silicified and moderately clay altered.

C D-3



KEY TO DRILL HOLE SECTIONS

Mineralization

- A Anhydrite
- C Chalcopyrite
- F Limonite
- G Galena
- H Chalcocite
- L Malachite
- M Molybdenite
- N Manganese Oxide
- T Tourmaline
- V Covellite
- X Magnetite
- Y Calcite

Rock Type

- G Granodiorite
- G' Quartz Diorite
- K Lamprophyre
- L Quartz - Feldspar Porphyry

Rock Structures

- Brecciation
- Fault
- Shear Zone

Alteration

- 1 Fresh
- 2 Propylitic (Chlorite, Epidote)
- 3 Argillic (Clays)
- 4 Advanced Argillic (Clay, Sericite)
- 5 Phyllic (Sericite)
- 6 Advanced Phyllic (Sericite)
- 7 Potassic (K- Feldspar)
- 8 Silicified

Fig. 3

C D-4

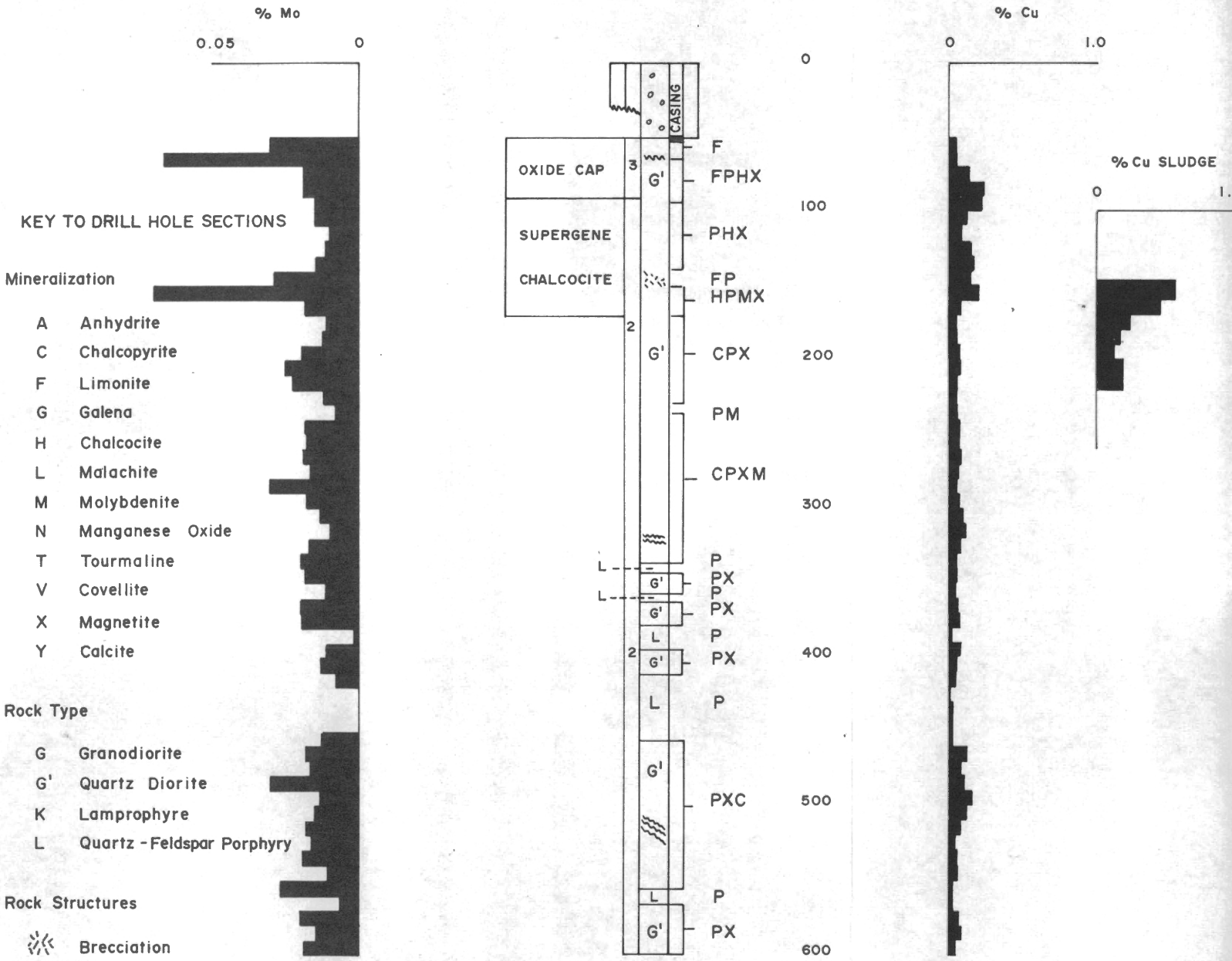
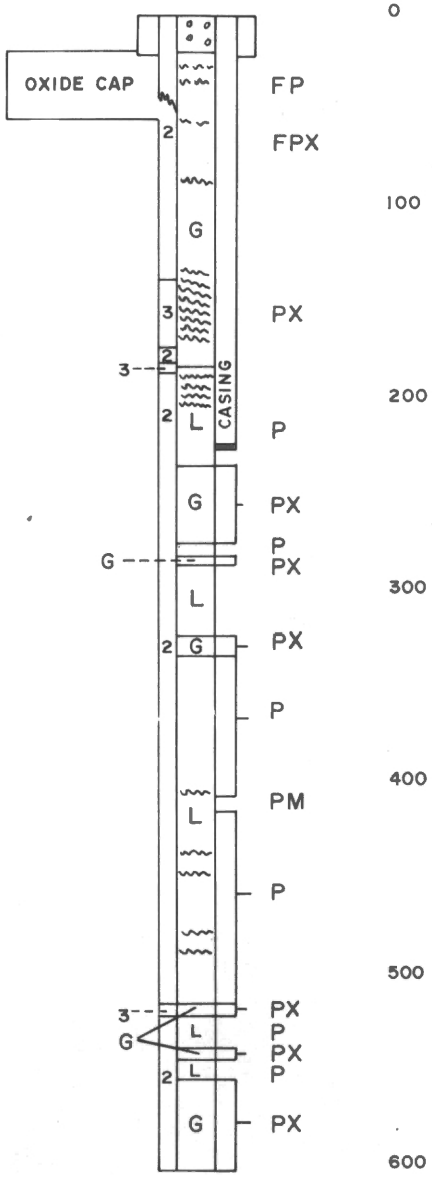

% Mo
0.05
0
% Cu
0
1.0
% Cu SLUDGE
0
1.
CASING
OXIDE CAP
SUPERGENE
CHALCOCITE
F
FPHX
PHX
FP
HPMX
CPX
PM
CPXM
P
PX
PXC
0
100
200
300
400
500
600
KEY TO DRILL HOLE SECTIONS
Mineralization
A Anhydrite
C Chalcopyrite
F Limonite
G Galena
H Chalcocite
L Malachite
M Molybdenite
N Manganese Oxide
T Tourmaline
V Covellite
X Magnetite
Y Calcite
Rock Type
G Granodiorite
G' Quartz Diorite
K Lamprophyre
L Quartz - Feldspar Porphyry
Rock Structures
Brecciation
Fault
Shear Zone
Alteration
1 Fresh
2 Propylitic (Chlorite, Epidote)
3 Argillic (Clays)
4 Advanced Argillic (Clay, Sericite)
5 Phyllic (Sericite)
6 Advanced Phyllic (Sericite)
7 Potassic (K- Feldspar)
8 Silicified

Fig. 4

C D-5



KEY TO DRILL HOLE SECTIONS

Mineralization

- A Anhydrite
- C Chalcopyrite
- F Limonite
- G Galena
- H Chalcocite
- L Malachite
- M Molybdenite
- N Manganese Oxide
- T Tourmaline
- V Covellite
- X Magnetite
- Y Calcite

Rock Type

- G Granodiorite
- G' Quartz Diorite
- K Lamprophyre
- L Quartz-Feldspar Porphyry

Rock Structures

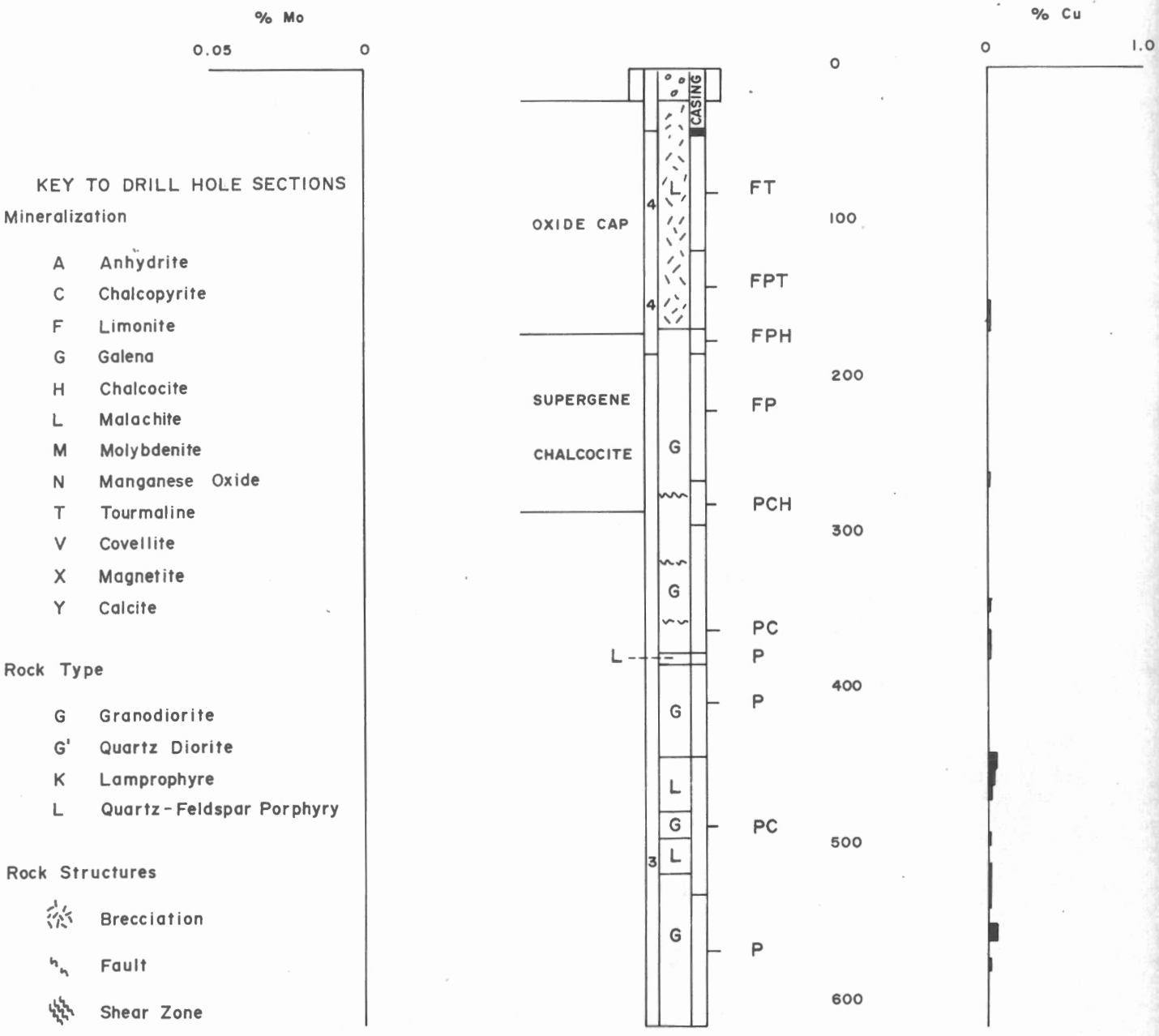
- Brecciation
- Fault
- Shear Zone

Alteration

- 1 Fresh
- 2 Propylitic (Chlorite, Epidote)
- 3 Argillic (Clays)
- 4 Advanced Argillic (Clay, Sericite)
- 5 Phyllic (Sericite)
- 6 Advanced Phyllic (Sericite)
- 7 Potassic (K-Feldspar)
- 8 Silicified

Fig. 5

C D - 6



KEY TO DRILL HOLE SECTIONS

Mineralization

A	Anhydrite
C	Chalcopyrite
F	Limonite
G	Galena
H	Chalcocite
L	Malachite
M	Molybdenite
N	Manganese Oxide
T	Tourmaline
V	Covellite
X	Magnetite
Y	Calcite

Rock Type

G	Granodiorite
G'	Quartz Diorite
K	Lamprophyre
L	Quartz - Feldspar Porphyry

Rock Structures

	Brecciation
	Fault
	Shear Zone

Alteration

1	Fresh
2	Propylitic (Chlorite, Epidote)
3	Argillic (Clays)
4	Advanced Argillic (Clay, Sericite)
5	Phyllic (Sericite)
6	Advanced Phyllic (Sericite)
7	Potassic (K - Feldspar)
8	Silicified

Fig. 6

C D - 7

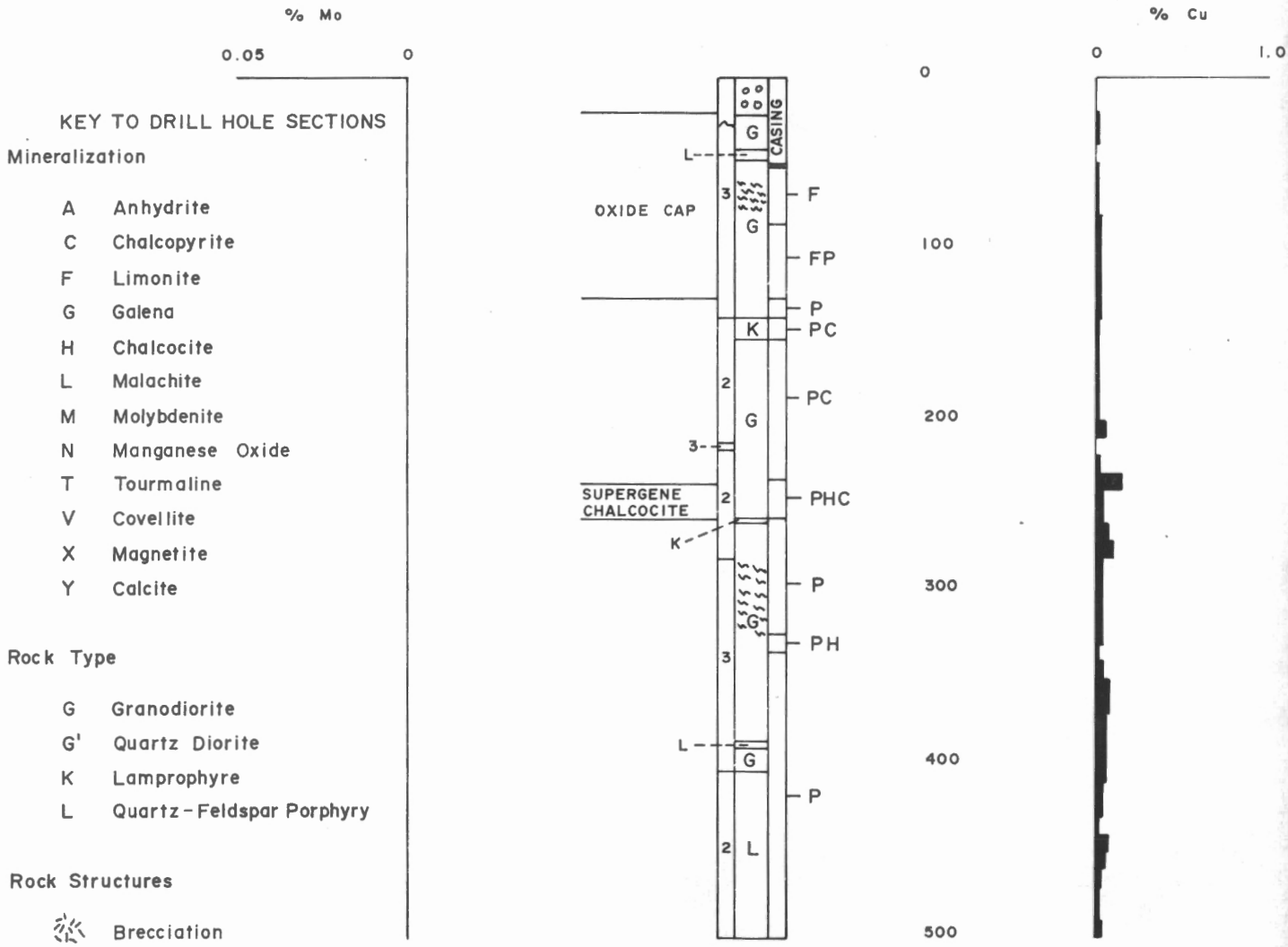

% Mo
0.05
0
% Cu
0
1.0
KEY TO DRILL HOLE SECTIONS
Mineralization
A Anhydrite
C Chalcopyrite
F Limonite
G Galena
H Chalcocite
L Malachite
M Molybdenite
N Manganese Oxide
T Tourmaline
V Covellite
X Magnetite
Y Calcite
Rock Type
G Granodiorite
G' Quartz Diorite
K Lamprophyre
L Quartz-Feldspar Porphyry
Rock Structures
Brecciation
Fault
Shear Zone
Alteration
1 Fresh
2 Propylitic (Chlorite, Epidote)
3 Argillic (Clays)
4 Advanced Argillic (Clay, Sericite)
5 Phyllic (Sericite)
6 Advanced Phyllic (Sericite)
7 Potassic (K-Feldspar)
8 Silicified
CASING
OXIDE CAP
SUPERGENE CHALCOCITE
F
FP
P
PC
PHC
PH
0
100
200
300
400
500

Fig. 7

CD-8

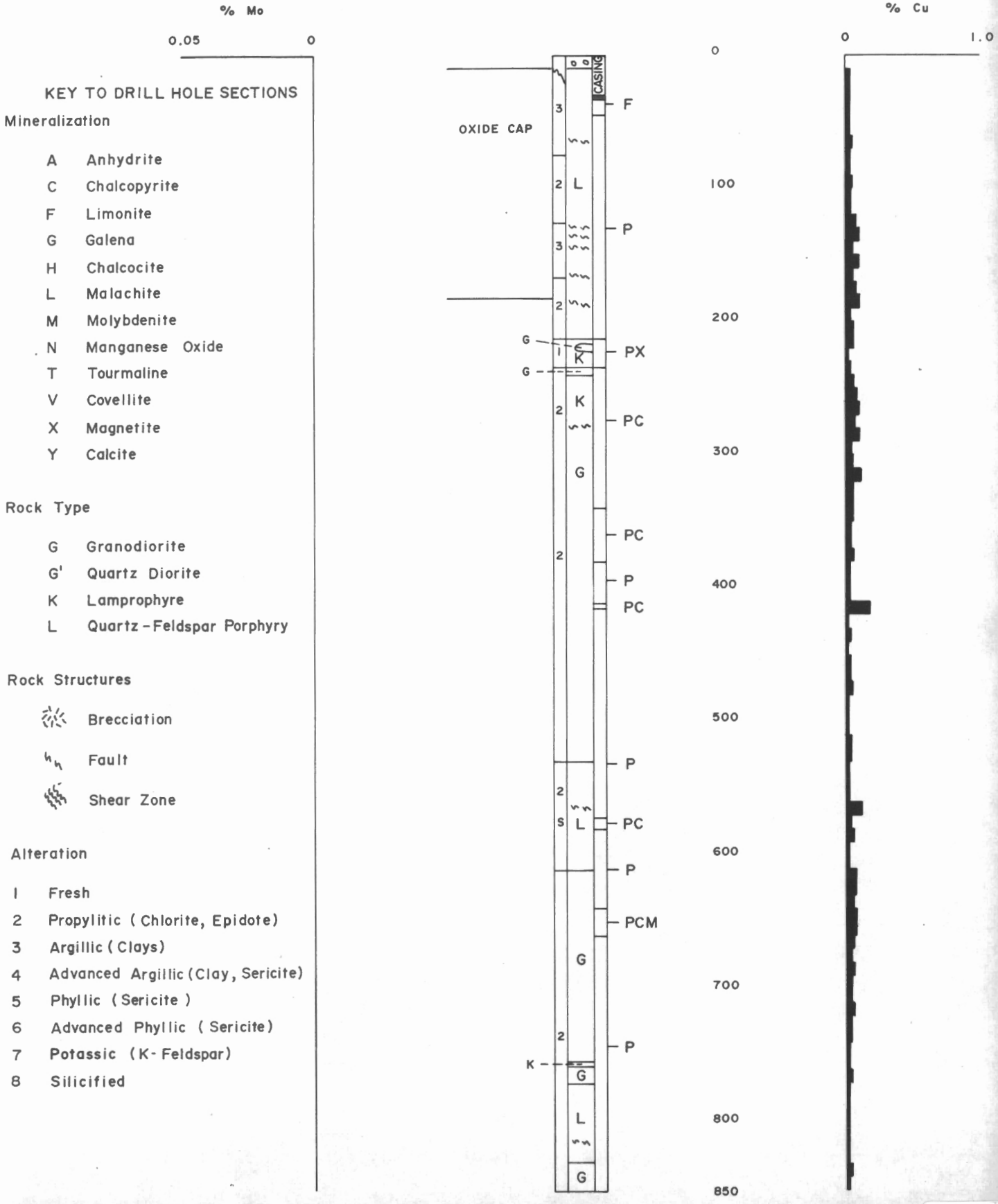

% Mo
0.05
0
% Cu
0
1.0
KEY TO DRILL HOLE SECTIONS
Mineralization
A Anhydrite
C Chalcopyrite
F Limonite
G Galena
H Chalcocite
L Malachite
M Molybdenite
N Manganese Oxide
T Tourmaline
V Covellite
X Magnetite
Y Calcite
Rock Type
G Granodiorite
G' Quartz Diorite
K Lamprophyre
L Quartz-Feldspar Porphyry
Rock Structures
Brecciation
Fault
Shear Zone
Alteration
1 Fresh
2 Propylitic (Chlorite, Epidote)
3 Argillic (Clays)
4 Advanced Argillic (Clay, Sericite)
5 Phyllic (Sericite)
6 Advanced Phyllic (Sericite)
7 Potassic (K-Feldspar)
8 Silicified
OXIDE CAP
CASING
F
P
PX
PC
PCM
0
100
200
300
400
500
600
700
800
850

Fig. 8

CD-9

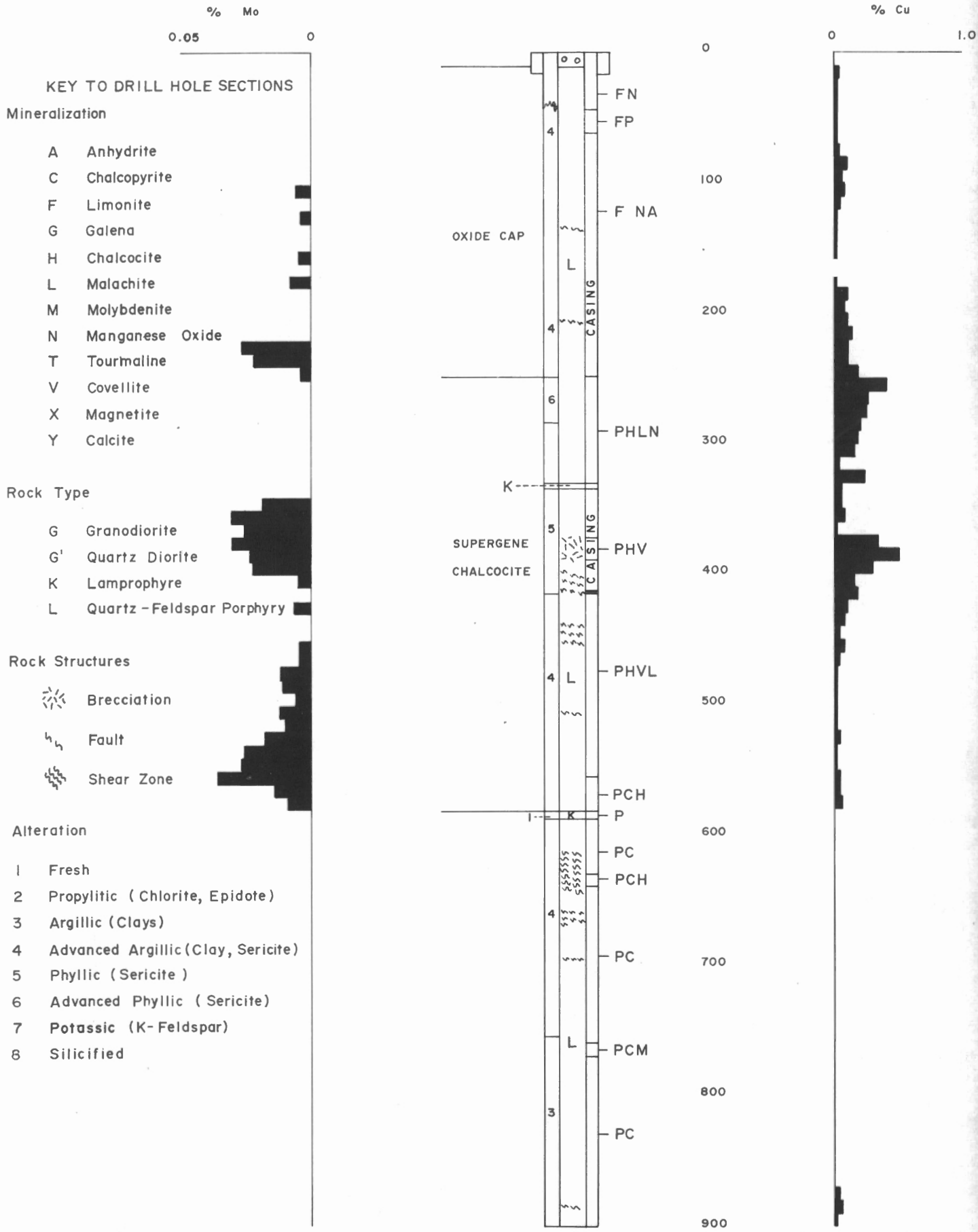
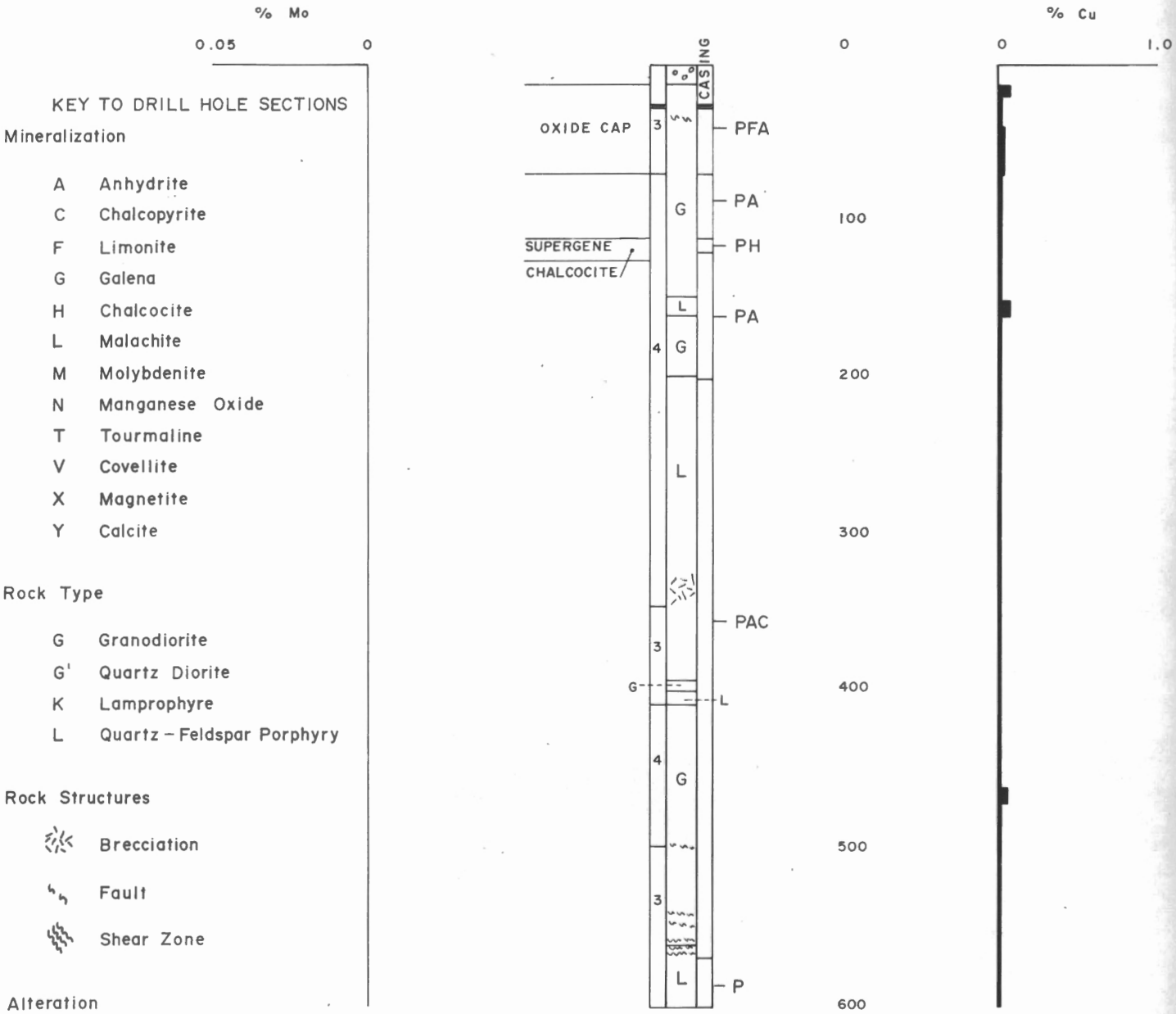

% Mo
0.05
0
% Cu
0
1.0
KEY TO DRILL HOLE SECTIONS
Mineralization
A Anhydrite
C Chalcopyrite
F Limonite
G Galena
H Chalcocite
L Malachite
M Molybdenite
N Manganese Oxide
T Tourmaline
V Covellite
X Magnetite
Y Calcite
Rock Type
G Granodiorite
G' Quartz Diorite
K Lamprophyre
L Quartz-Feldspar Porphyry
Rock Structures
Brecciation
Fault
Shear Zone
Alteration
1 Fresh
2 Propylitic (Chlorite, Epidote)
3 Argillic (Clays)
4 Advanced Argillic (Clay, Sericite)
5 Phyllic (Sericite)
6 Advanced Phyllic (Sericite)
7 Potassic (K-Feldspar)
8 Silicified
OXIDE CAP
SUPERGENE
CHALCOCITE
CASING
FN
FP
F NA
PHLN
PHV
PHVL
PCH
P
PC
PCH
PC
PCM
PC
K
L
0
100
200
300
400
500
600
700
800
900

Fig. 9

CD-10



KEY TO DRILL HOLE SECTIONS

Mineralization

- A Anhydrite
- C Chalcopyrite
- F Limonite
- G Galena
- H Chalcocite
- L Malachite
- M Molybdenite
- N Manganese Oxide
- T Tourmaline
- V Covellite
- X Magnetite
- Y Calcite

Rock Type

- G Granodiorite
- G' Quartz Diorite
- K Lamprophyre
- L Quartz – Feldspar Porphyry

Rock Structures

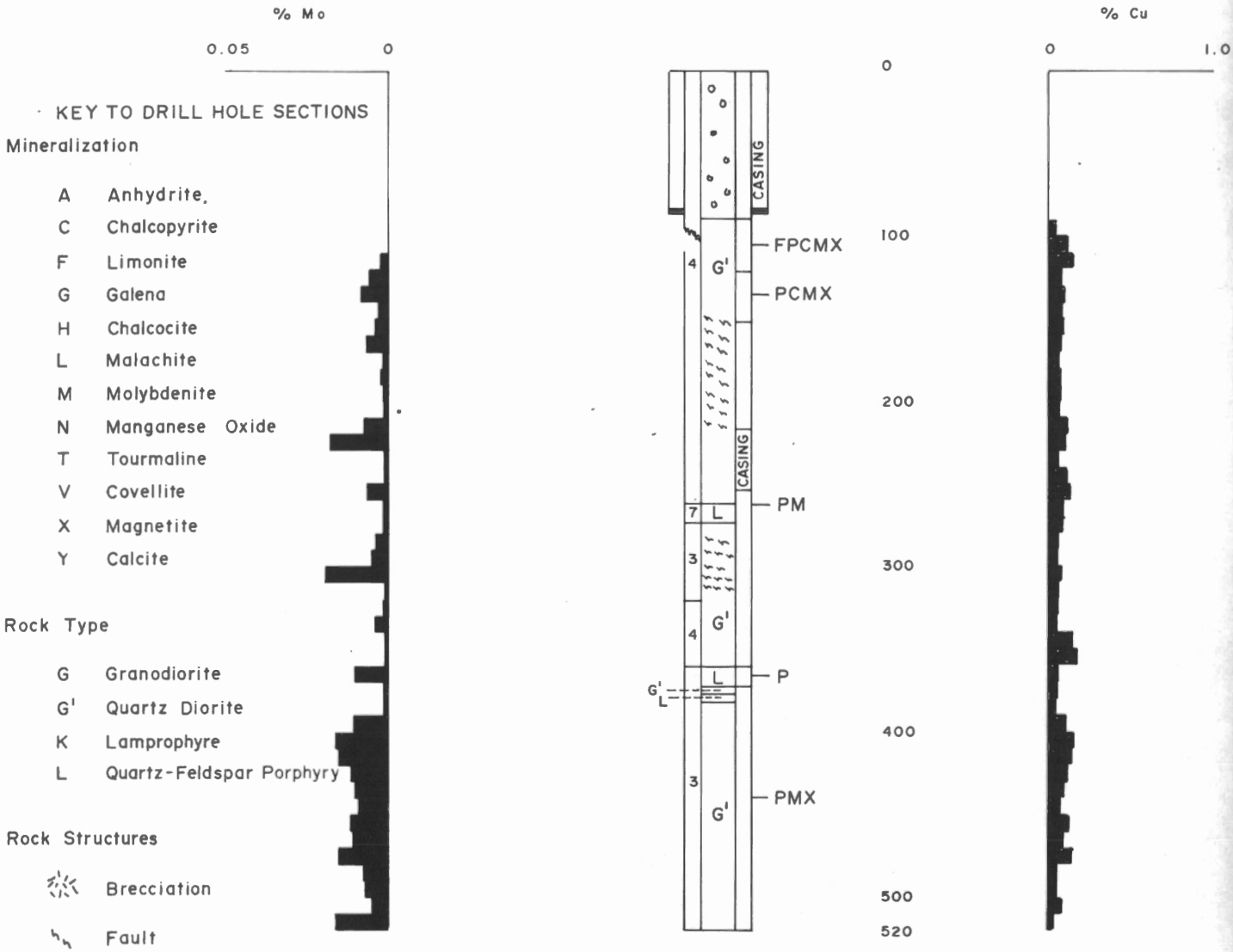
- Brecciation
- Fault
- Shear Zone

Alteration

- 1 Fresh
- 2 Propylitic (Chlorite, Epidote)
- 3 Argillic (Clays)
- 4 Advanced Argillic (Clay, Sericite)
- 5 Phyllic (Sericite)
- 6 Advanced Phyllic (Sericite)
- 7 Potassic (K-Feldspar)
- 8 Silicified

Fig. 10

CD-13

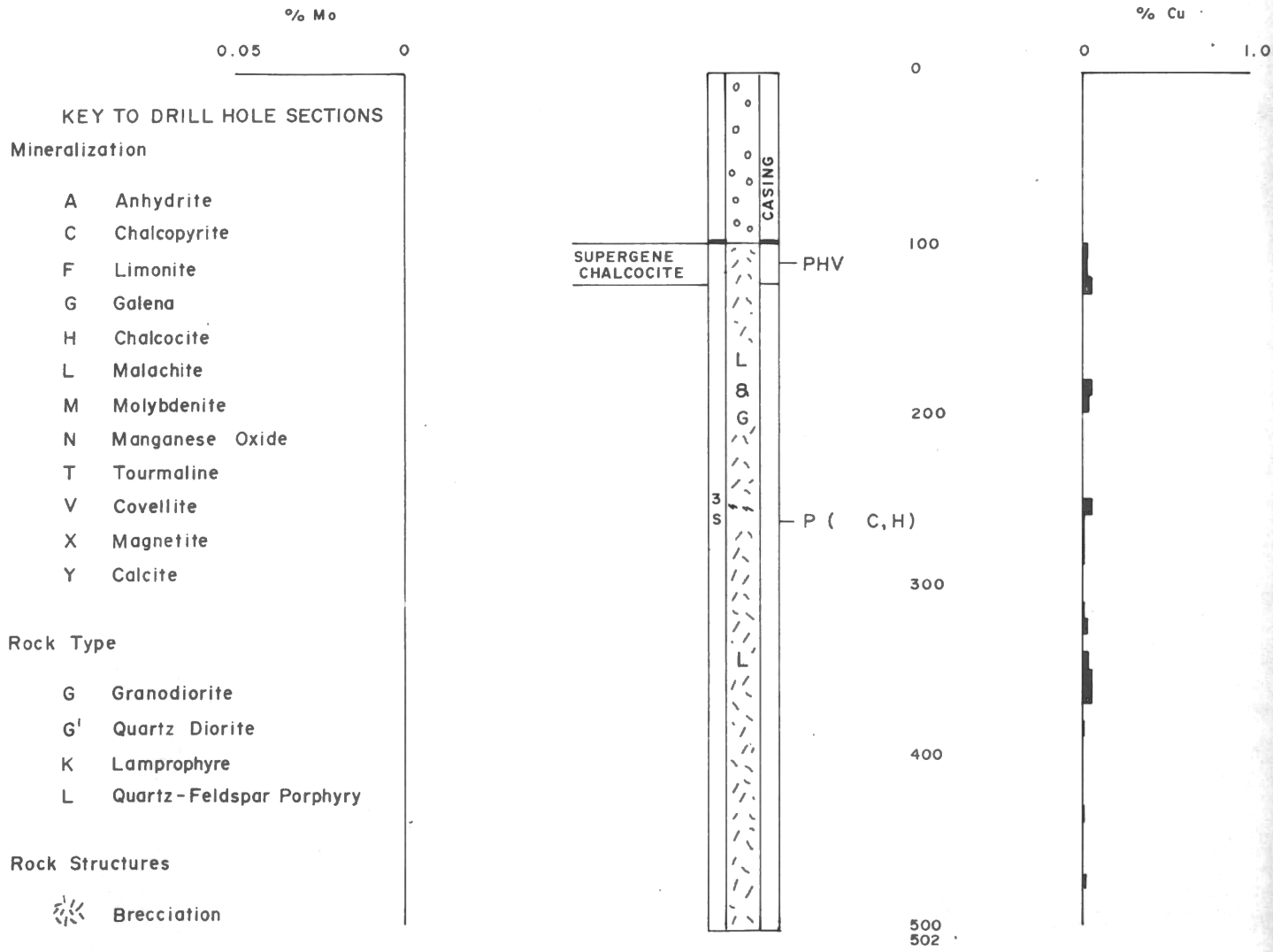


Alteration

1	Fresh	5	Phyllic (Sericite)
2	Propylitic (Chlorite, Epidote)	6	Advanced Phyllic (Sericite)
3	Argillic (Clays)	7	Potassic (K-Feldspar)
4	Advanced Argillic (Clay, Sericite)	8	Silicified

Fig. 11

CD-14



KEY TO DRILL HOLE SECTIONS

Mineralization

A	Anhydrite
C	Chalcopyrite
F	Limonite
G	Galena
H	Chalcocite
L	Malachite
M	Molybdenite
N	Manganese Oxide
T	Tourmaline
V	Covellite
X	Magnetite
Y	Calcite

Rock Type

G	Granodiorite
G'	Quartz Diorite
K	Lamprophyre
L	Quartz-Feldspar Porphyry

Rock Structures

- Brecciation
- Fault
- Shear Zone

Alteration

1	Fresh
2	Propylitic (Chlorite, Epidote)
3	Argillic (Clays)
4	Advanced Argillic (Clay, Sericite)
5	Phyllic (Sericite)
6	Advanced Phyllic (Sericite)
7	Potassic (K-Feldspar)
8	Silicified

Fig. 12

SUMMARY

A total of 9,464 feet of diamond hole and 3,120 feet of percussion hole was drilled during 1971 and 1972 for Area Exploration Company on the Mount Nansen Property. Core recovered by diamond drilling has contributed much to the geological knowledge of the region and in particular of the extensive zone characterized by broad I.P. and geochemical anomalies at the north end of the Property.

Rock types intersected by the 12 diamond holes in this zone are quartz diorite, granodiorite, varying quartz-feldspar porphyries, cobble breccia, and lamprophyre. Fine to medium-grained quartz diorite was intersected by CD-4 and CD-13. Dark, mafic-rich sludge collected from CP-1 suggests this percussion hole also cut quartz diorite. There is no surface evidence for the location of this apparently continuous body in the topographically low brush-covered area of CD-4, 13 and CP-1. The spatial relationship of this rock type to large bodies of granodiorite suggests that the quartz diorite is an early phase of batholithic intrusion.

Coarse-grained granodiorite was the commonest rock type intersected. Hornblende is the dominant mafic mineral, with lesser biotite. The granodiorite is commonly quartz-rich (up to 25%). When intensely altered this rock type appears similar to altered quartz-feldspar porphyry. A distinction can be made by their textural differences. The granodiorite is part of a northwesterly trending batholith (60 miles to the north) radiometrically dated as Cretaceous.

Cutting these batholithic rocks is a swarm of narrow porphyry dykes. It was initially thought that in the anomalous zone the batholithic rock types had been intruded by a few large plugs of porphyry. Every hole except CD-9 intersected a series of porphyry dykes cutting quartz diorite or granodiorite. The porphyry dome into which CD-9 was drilled is probably the largest body of porphyry on the property. The complex dyke swarm appears to trend N30°E with dykes dipping moderately to steeply. N30°E is a dominant lineament direction of the Dawson Range and Property. The prominent linear series of porphyry domes located at the central north end of the Property trends N30°E. Although the dykes appear to be of the same acidic composition, their textures vary considerably. Some are quartz porphyries, others feldspar porphyries with one or two types of feldspar phenocrysts and still others are non-porphyritic, aplitic textured dykes. The most common dyke rock type however is quartz-feldspar porphyry. This rock type is characterized by resorbed quartz eyes and subhedral feldspar phenocrysts set in a grey, siliceous microcrystalline matrix. Mineralization is associated with the porphyry dykes.

Three holes intersected brecciated sections. CD-1 and CD-14 cut strongly silicified breccia while CD-6 intersected tourmalinized and silicified porphyry breccia. The cobble size fragments of CD-14 were mixed granodiorite

and porphyry while the pebble-cobble size fragments of CD-1 and 6 were porphyry. All the breccias had subangular fragments and were near postulated structural intersections suggesting a cataclastic genesis aided by explosive, streaming volatiles. The tourmaline breccia zone at 200N, 200W, on which CD-6 was collared appears to dip moderately to the west.

CD-7, 8 and 9 intersected lamprophyre dykes. The dykes intrude both granodiorite and porphyry rock types. The lamprophyre rock type is commonly black, fine grained and basaltic looking. Like many lamprophyres it is a basic strontium and barium-rich rock. A lamprophyre-granodiorite contact dipped nearly parallel with CD-8 suggesting a near vertical dip for the lamprophyre dykes.

Rock alteration types and intensities are similar to many porphyry copper camps. On a broad scale rock alteration products are probably zoned but each diamond hole was characterized by local erratic changes in alteration intensity. Fracture zones appear to be the primary control of rock alteration both locally and zonally. CD-2, 4, 5, 7 and 8 averaged an advanced propylitic stage of rock alteration. Epidote, chlorite and calcite were the main alteration products. Rock intersected by CD-1, 3, 10, 13 and 14 averaged an argillic stage of alteration. Kaolin and possibly montmorillonite were the main products of rock alteration. CD-6 and 9, cut rock intensely altered to a phyllic stage. Core areas of a broad alteration mineral zoning pattern appear to be the silicified topographic domes located at the north end of the Property.

Rock alteration was more intense near surface than at depth in every diamond hole. Clay minerals especially were common, indicating supergene processes have increased the grade of rock alteration near surface and possibly erased any primary zoning pattern. Gypsum logged in CD-10 along fracture planes probably has a supergene genesis.

Mineralization at the north central end of the Mount Nansen Property is much like that of many porphyry copper deposits of southwest U.S.A. Supergene chalcocite was logged in CD-1, 3, 4, 6, 7, 9, 10, 13 and 14 below a variable thickness of oxide capping. Primary chalcopyrite and molybdenite was commonly logged below the supergene zone. Copper and molybdenum mineralization occurs in all rock types described earlier except the lamprophyres.

The thickest oxide caps were intersected by CD-6 and CD-9. Jarosite and goethite were prominent, often forming thick coatings along fracture planes. Traces of malachite and possibly brocanthite were also found in the cap.

CD-4 and CD-9 intersected significant amounts of supergene copper and returned the best assays of the program. In the supergene zone, chalcocite

and covellite form skins on pyrite. Strongly pyritized sections within the supergene zone return the best assays. The supergene blanket undulates, possibly due to permeable fracture zones controlling supergene fluids. In general the "blanket" begins at an altitude of 4,150 feet A.S.L. and although of variable thickness has been logged down to 3,625 feet A.S.L. Copper grades have at least doubled by supergene enrichment.

Significant molybdenite was intersected by CP-1, CD-4, CD-9 and CD-13. Better molybdenum grades commonly occur at the base of supergene copper zones. The molybdenite often accompanies hairline quartz fracture fillings.

Gold values are associated with the quartz fillings. CD-6 assayed gold values of up to 0.05 oz./ton over a 147 foot intersection of tourmalinized and silicified breccia.

Minor galena and sphalerite veinlets were intersected by CD-1, CD-2 and CD-13.

Soil geochemical results have been the most successful indicators of copper-molybdenum concentrations on the Mount Nansen Property. The large silicified porphyry dome centred at 216N, 176W is surrounded by copper and molybdenum anomalies in soils. Percussion holes CP-1, 4 and 5 and diamond holes CD-4, 9 and 13 have been drilled on the western half of this dome and have all yielded encouraging copper and molybdenum grades.

Induced polarization metal factor and frequency effect anomalies thought to represent an offset pyrite halo have not been effective in delineating copper-molybdenum concentrations. All diamond holes intersected moderately pyritized rock. Core from CD-8, drilled into the strongest metal factor anomaly on deep separations, appeared slightly more pyritized than other holes. Mineralization cut by CD-4 is likely represented by the anomalous metal factor results on shallow separations. However CD-9,which was drilled 1,200 feet northeast of CD-4,intersected similar mineralization which was not outlined by I.P. results. Perhaps poor contacts over silicified portions of the property minimize the use of I.P. results as a guide. The mineralized zone intersected by CP-1, CD-4 and CD-9 appears continuous, contrary to I.P. results.

Finally, several logistical problems are involved when drilling in the Mount Nansen area. Comments are listed below to aid future drilling programs.

(1) Drilling should be limited to the period early June - mid-September when water is readily available.

(2) Vertical holes are drilled much quicker and cheaper than angle holes due to blocky, altered ground.

(3) Casing holes to several hundred feet and drilling with mud is common due to blocky, altered ground.

(4) Waterlines are commonly lengthy due to the fact mineralization is associated with topographic domes some distance away from freely-flowing, low-lying creeks.

(5) Cats heavier than a D-6 are useless. A D-6 with winch is ideal.

RECOMMENDATIONS

Several anomalous zones, favourable for porphyry copper type mineralization remain untested or require further testing by diamond drilling on the Mount Nansen Property. They are:

(1) The eastern half of the large porphyry dome centred at 216N, 176W including its eastern flank.

(2) The broad copper-molybdenum geochemical anomaly located at the northwestern corner of the property and in part lying on ground optioned from Mr. Toni Wheeler.

(3) The new Rusk Creek molybdenum-copper zone.

(4) The borders of a small porphyry dome centred at 196N, 160W.

Suggested locations for drill holes to test these areas are listed below in order of preference.

(1) 216N, 174W (vertical, footage - ≈1,000 feet)

The eastern edge of the largest, silicified and clay-sericite altered porphyry dome.

This hole will test:

(a) Probable continuation and thickening of supergene copper zone (see schematic X-section), proved in CP-1, CD-4, CD-9.

(b) Strong clay, sericite, silica alteration.

(c) Uphill edge of coincident Cu, Mo geochemical anomaly.

This will have to be a deep hole to penetrate the oxide capping. CD-9, a 900 foot hole, is at an altitude 225 feet below this proposed hole. Supergene chalcocite was logged in CD-9 to a depth of 600 feet.

(2) 344N, 216W (vertical, footage - 500-600 feet)

Eastern slope of Caribou Mountain.

This hole will test:

(a) Uphill end of a strong Cu, Mo, Pb geochemical anomaly.

It should be noted that one long angle hole located at 342N, 230W with an azimuth of 0° may be a viable alternative to several vertical holes. CD-2 drilled in this area intersected competent rock and little trouble was experienced. The angle hole would cut across the geochemical anomaly uphill and opposite to CD-2.

(3) 260N, 342W (azimuth 260°, dip 50°, footage - 1,000 feet)

Located on the new Rusk Creek grid (see Rusk Creek Report).

This hole will test:

(a) The geologic section through a pile of biotite-quartz altered dacitic volcanics, probably contacting with a hypabyssal porphyry sill.

(b) Coincident Cu-Mo geochemical anomaly rimmed by high Pb-Zn-Ag values.

No problem with an angle hole should be encountered in this region. The rock appears competent, alteration consisting of quartz-biotite. Little to no supergene enrichment can be expected. Grades may increase towards the contact with the underlying intrusive.

(4) 194N, 162W (vertical, footage - 500-600 feet)

A small silicified dome north of Eva Creek.

This hole will test:

(a) A silicified, clay-sericite altered porphyry dome.

(b) An area surrounded by anomalous soil geochemistry.

(c) An area ringed by anomalous I.P. results.

The geology of this area is similar to that near CD-9 but on a smaller scale. Air photos show the area to be well fractured.

Respectfully submitted,

Robert A. Dickinson

Appendix (i)

Summary of Costs

Appendix (i)

Summary of Costs

	1971	1972
Acquisition	$ 11,561.00	$ 33,238.00
Salaries and Wages	18,424.00	13,009.00
Surveying and Mapping	4,426.00	1,460.00
Geophysics	15,918.00	275.00
Geochemistry	5,609.00	3,035.00
Outside Contract Services	3,414.00	835.00
Drilling	55,556.00	80,920.00
Excavation	10,447.00	4,888.00
Assaying	7,623.00	4,690.00
Travel	15,424.00	11,916.00
Air Charter	102.00	738.00
Equipment	3,105.00	300.00
Miscellaneous	1,483.00	292.00
Accounts Receivable		(3,011.00)
Total	$153,092.00	$152,585.00

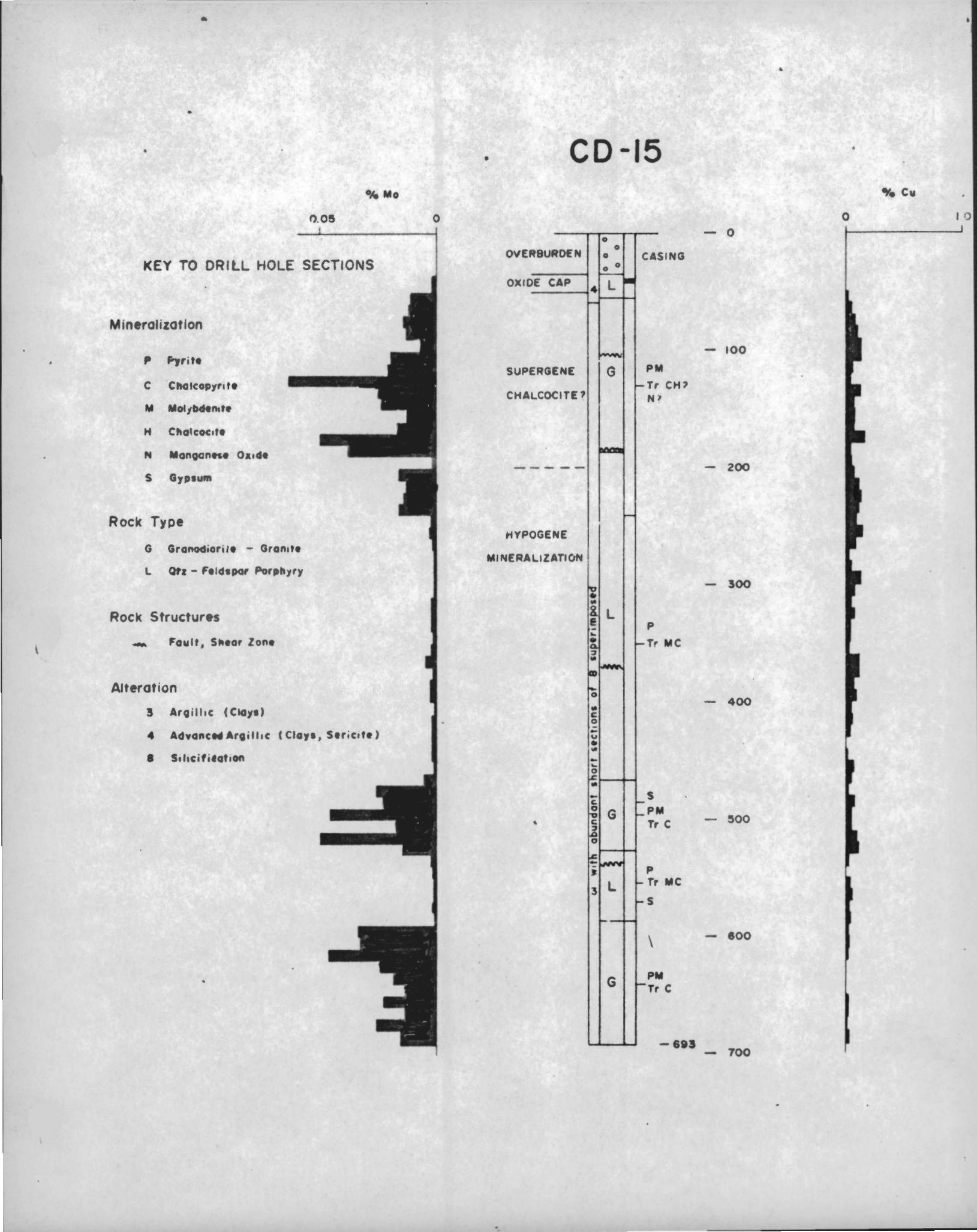
Appendix (ii)

Condensed 1972 Drill Hole Logistics

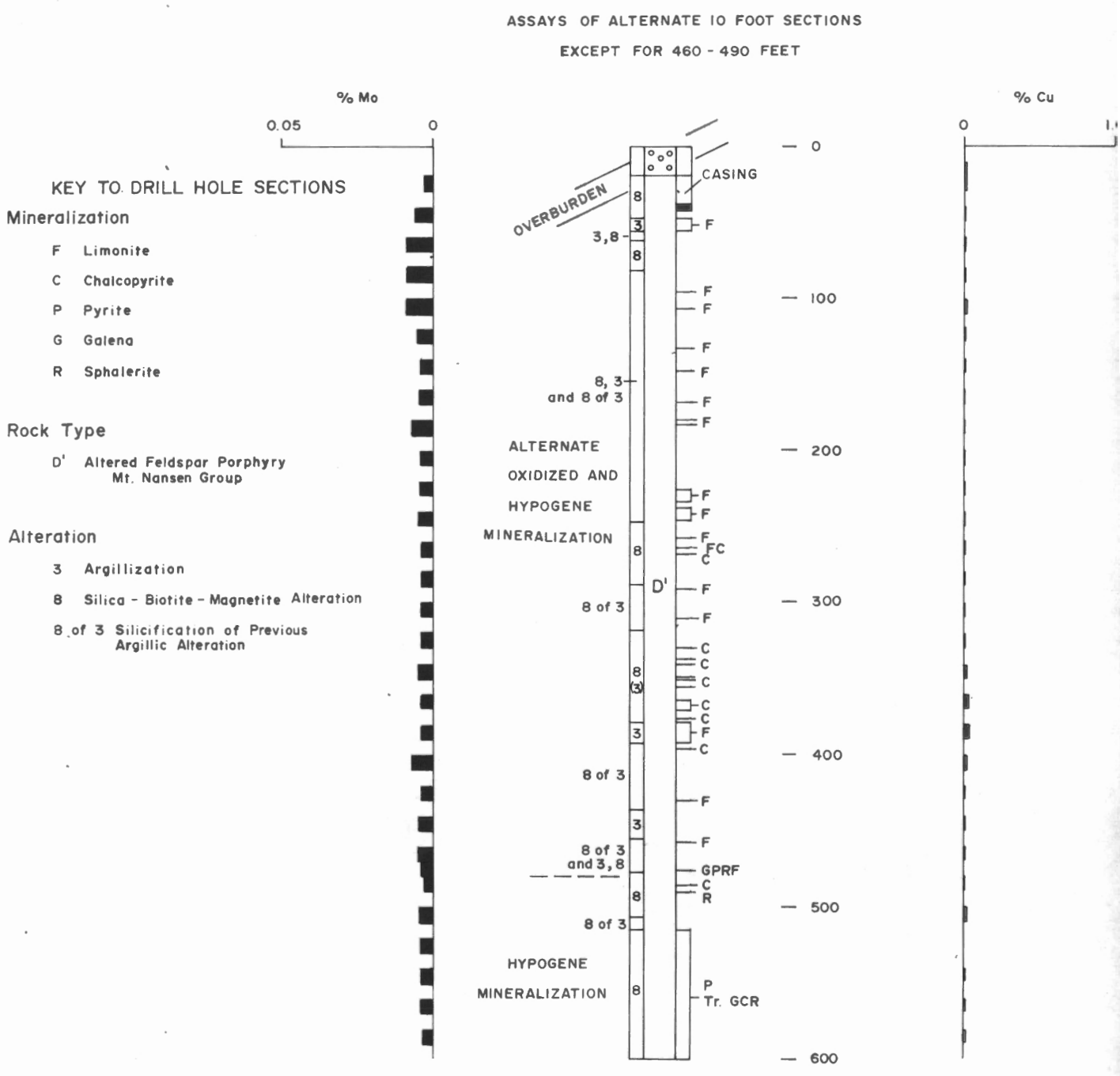
DIAMOND DRILLING LOGISTICS, MT. NANSEN, 1972 — APPENDIX 2

DDH HOLE NO.	COLLAR	CLAIM	DIP AND AZIMUTH	ROD FOOTAGE	CASING NW DRILLED	CASING NW LOST	CASING BW DRILLED	CASING BW LOST	WATERLINE	COMMENCED	FINISHED
CD-3	304+30N 227W	Betty 31	Vert.	500	50	50	90	90	1,700	June 13/72	June 17/72
CD-4	224N 195W	Dome 59	Vert.	600	50	50	50	50	500	June 18/72	June 22/72
CD-5	190N 198W	Dome 58 & 43	Vert.	600	57	2	225	-	3,100	June 23/72	July 2/72
CD-6	199+50N 200W	Dome 58, GS 7 FR	Vert.	612	20	20	40	40	1,700	July 3/72	July 6/72
CD-7	204N 195W	GS 7 FR	Vert.	500	-	-	50	50	1,700	July 7/72	July 10/72
CD-8	180N 190W	Dome 43	Vert.	850	-	-	30	30	4,000	July 11/72	July 16/72
CD-9	224N 184W	Dome 59	Vert.	900	18	18	415	-	1,700	July 17/72	July 27/72
CD-10	236N 230W	Dome 66	Vert.	600	-	-	25	25	4,000	July 29/72	Aug. 1/72
CD-11	7200S 1500W	Jeff 7	-050/45	400	-	-	60	-	400	Aug. 3/72	Aug. 6/72
CD-12	7200S 400W	Jeff 7	-050/45	400	-	-	90	90	1,100	Aug. 7/72	Aug. 9/72
CD-13	240N 202W	Dome 69	Vert.	520	88	-	254	90	800	Sept. 22/72	Oct. 5/72
CD-14	288N 220W	Betty 29	Vert.	502	-	-	100	-	300	Oct. 7/72	Oct. 11/72
				6,984							

CD-15

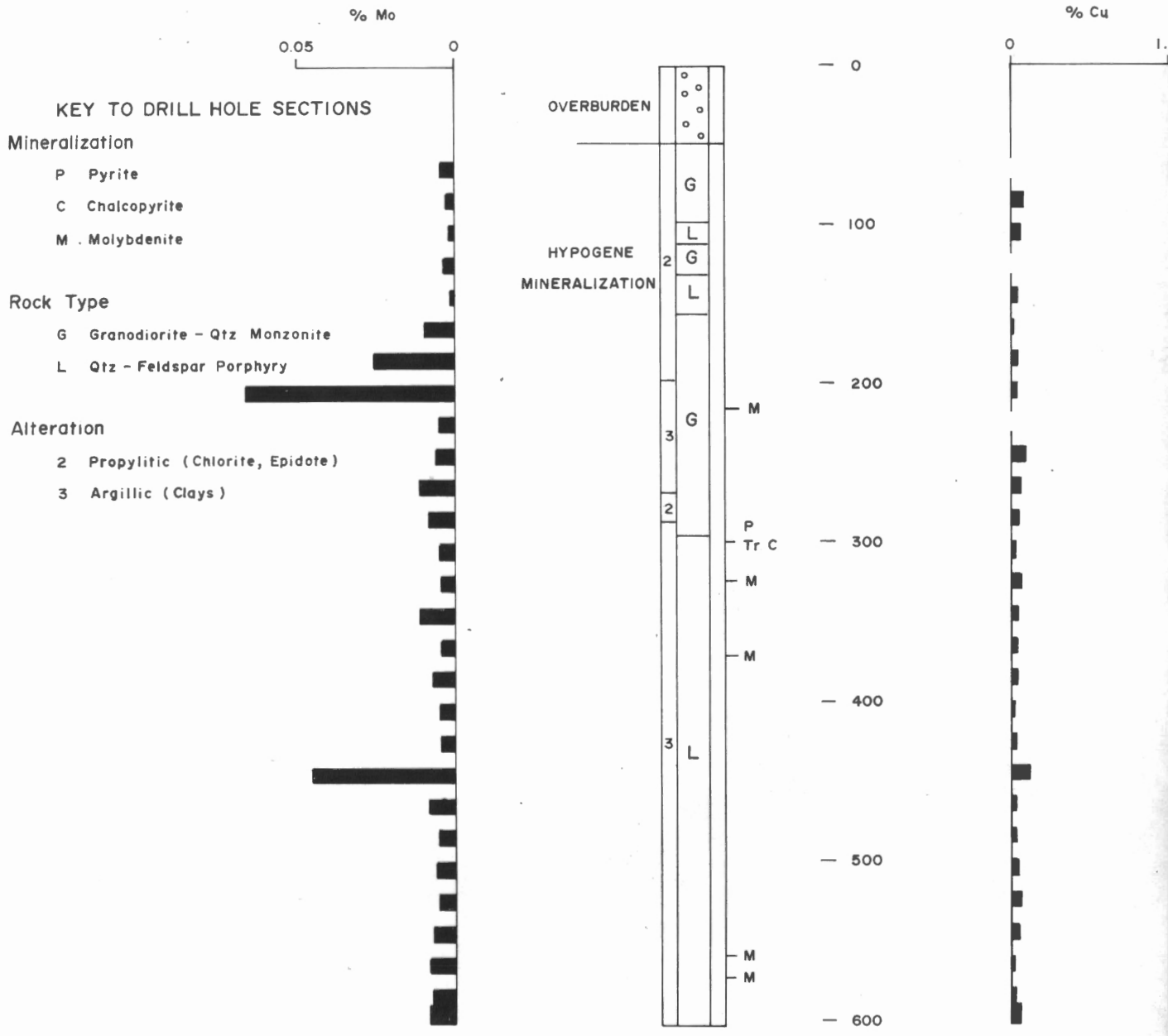

% Mo
0.05
0
% Cu
0
10
KEY TO DRILL HOLE SECTIONS
Mineralization
P Pyrite
C Chalcopyrite
M Molybdenite
H Chalcocite
N Manganese Oxide
S Gypsum
Rock Type
G Granodiorite – Granite
L Qtz – Feldspar Porphyry
Rock Structures
Fault, Shear Zone
Alteration
3 Argillic (Clays)
4 Advanced Argillic (Clays, Sericite)
8 Silicification
OVERBURDEN
CASING
OXIDE CAP
4
L
SUPERGENE
CHALCOCITE?
G
PM
Tr CH?
N?
HYPOGENE
MINERALIZATION
3 with abundant short sections of 8 superimposed
L
P
Tr MC
G
S
PM
Tr C
L
P
Tr MC
S
G
PM
Tr C
693
0
100
200
300
400
500
600
700

CD-16, Azimuth 290°, Dip- 60°



CD-17

ASSAYS OF ALTERNATE 10 FOOT SECTIONS
EXCEPT FOR 580 - 603 FEET



Appendix (v)

DRILLING, 1973

A total of 1,896 feet of diamond hole was drilled on the Mount Nansen property during the autumn of 1973. This footage comprises 3 holes, CD-15 to 17. Lithology, mineralogy and metal content of the holes are shown on the graphic logs accompanying the hole descriptions given below.

The 1973 drilling program was designed to test areas of relatively low soil geochemical response that were ringed by higher responses strongly anomalous in copper and molybdenum. Previous drilling had shown that these strongly anomalous zones did not overly the best mineralization, whereas comparision with certain other porphyry environments, e.g., Tyrone, New Mexico, supported the concept that the best values might underly such areas of low response. This concept was supported by the results of hole CD-9.

Three such geochemical rings exist on the Mount Nansen property, coincident with the areas of strongest overall geochemical response. These are:-

1) the area at the headwaters of the South and East Forks of Nansen Creek, where previous drilling (CP-1 and 4, CD-4 and 9) has yielded encouraging results.

2) the Rusk Creek area, not previously drilled, which was the subject of reconnaissance surveys in 1971 and detailed geochemical survey in 1972. This area shows the effect of porphyry-type mineralization in andesitic volcanic host rocks rather than in granitic intrusive as elsewhere on the property.

3) the area north of the confluence of Summit and Nansen Creeks on the south slope of Caribou Mountain. Previous drilling of spot highs in the ring of anomalous copper and molybdenum values has not indicated ore-grade mineralization.

The rings in these 3 areas were tested by holes CD-15, CD-16 and CD-17 respectively, as described below.

CD-15

Started: September 16, 1973

Finished: September 20, 1973

Location: 206N/165W

Dip and Azimuth: Vertical

Elevation: 4,360 feet

Length of Hole: 693 feet

Purpose of Hole: To test (a) good molybdenite mineralization exposed in a trench

(b) the inside edge of a ring of copper and molybdenum soil anomalies

Remarks: CD-15 intersected minor but consistent copper values (approx. 0.1%) over the first 500 feet, and minor molybdenum values (0.025%) in the following intersections of altered granitic intrusive: 50-200 feet, 470-530 feet and 590-690 feet. Notably different mineral parageneses were apparent - copper occurring generally as chalcopyrite coating late fracture surfaces and as a trace dissemination, whereas molybdenite is associated with silica flooding and veining after argillic alteration of the host rocks. Two phases of silicification, one pre and one post-porphyry intrusion, may account for the lack of molybdenum in the porphyry.

CD-16

Started: September 23, 1973

Finished: September 28, 1973

Location: 266N/344W

Dip and Azimuth: -60°, 290°

Elevation: 4,400 feet

Length of Hole: 600 feet

Purpose of Hole: To test (a) the centre of an area of lower copper and molybdenum soil values ringed by higher values,

(b) the general geological environment of the untested Rusk Creek area,

(c) the centre of a crude, concentricly zoned, silt survey anomaly pattern, with copper-molybdenum in the centre grading outward to lead, zinc and silver.

Remarks:- CD-16 was very weakly mineralized throughout,

with trace copper, molybdenum, zinc and lead occurring in late pyritic veinlets. The whole intersection was of highly altered feldspar porphyry, probably originally andesitic dykes and flows of the Jurassic Mount Nansen Group, as opposed to the granitic plutons and porphyries to the east. Common alteration assemblages were silica-biotite-magnetite and kaolinite-limonite.

CD-17

Started: September 30, 1973

Finished: October 6, 1973

Location: 304N/212W

Dip and Azimuth: -90°

Elevation: 3,800 feet

Length of Hole: 603 feet

Purpose of Hole: To test the centre of an area of low copper and molybdenum soil values ringed by anomalous values.

Remarks: Assay results for CD-17 were similar to those for CD-15 - minor copper as disseminated chalcopyrite over the whole intersection (approx. 0.05%) with minor molybdenum (approx. 0.025%) over narrow widths in veins with quartz and pyrite. No correlation of molybdenum with rock type was noted. On the whole, the intersection was less altered and less mineralized than CD-15.

SUMMARY

The three 1973 holes totalling 1,896 feet of BQ wireline drilling were spotted to test the centres of rings of copper and molybdenum soil anomalies, in three areas of geochemical anomalies on the property. The results indicate that the secondary dispersion of copper and molybdenum has not followed the pattern indicated by certain other porphyry environments, e.g., Tyrone, New Mexico.

The Rusk Creek zone is thought to represent the top of porphyry-style mineralization as described by Lowell and Guilbert in 1970. The zone is apparently characterized by vein chalcopyrite, molybdenite, sphalerite and galena indicative of the margins of a porphyry environment and yet apparently concentric metal zoning is present. The conclusion is that the zone represents the top of such mineralization rather than the side, assuming the vertical, cylindrical body of Lowell & Guilbert.

The Caribou Mountain zone (CD-17, etc.) is apparently a low grade (0.1%) chalcopyrite dissemination, with non-pervasive molybdenite-silica veinlets. The zone is centred around approximately 325N, 215W with a diameter of possibly one mile.

The South Fork zone (CD-9, etc.) is generally better mineralized than the Caribou zone with some good intersections of 0.2% copper and 0.02% molybdenum. The zone may be elongate, east-west trending, and centred around 220N, 175W.

RECOMMENDATIONS

The author recommends a program similar to the 1973 program, consisting of 3 holes for a total of 2,000 feet of BQ wireline diamond drilling, approximate cost $40,000.

CD-18 at 216N, 172W; -90° to 800 feet, as recommended in the 1972 report. This hole could test the extension of the South Fork zone east of CD-9.

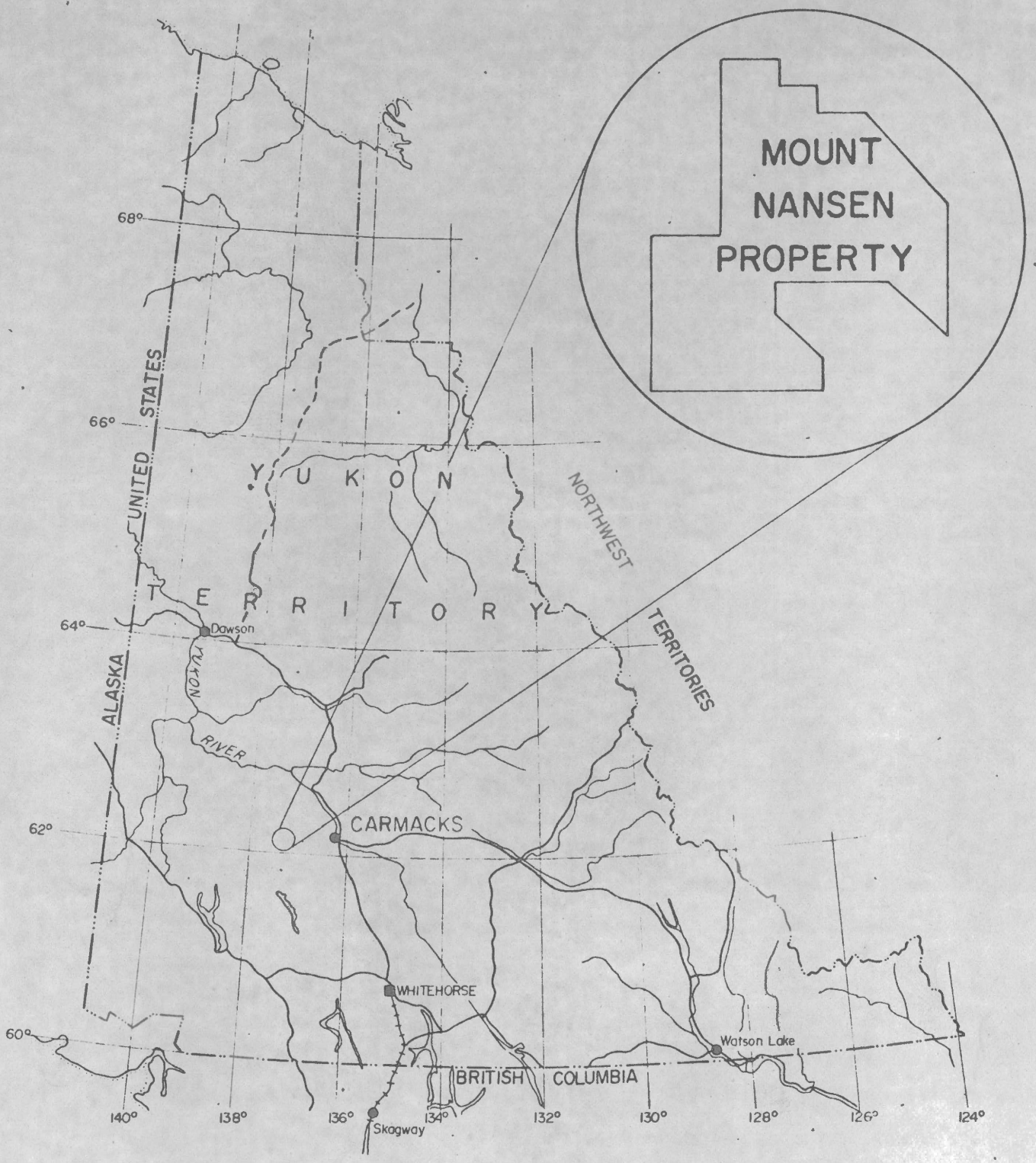
CD-19 at 192N, 174W; -90° to 600 feet, to test the centre of a large area (diameter approximately one mile) of untested anomalous I.P. and geochemical response.

CD-20 at 320N, 212W; -90° to 600 feet, to test the inferred centre of the Caribou Mountain zone, and the centre of an untested area (diameter approximately half a mile) of anomalous I.P. and geochemical response.

Should further funds be available, consideration should be given to deep drilling in the centres of the three zones.

Respectfully submitted,

P. F. Lewis, B.Sc.



AREA EXPLORATION CORPORATION LTD.

PROPERTY LOCATION MAP

SCALE : 1" = 100 MILES

FIG 1

PROJECT NAME:
MOUNT NANSEN

D.D.H. CD-16

Date: September 1973
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au	Ag	Pb	Zn			P.O.
9926	CD-16	19- 30	0.02	0.003							
9927		40- 50	0.01	0.006							
9928		60- 70	0.01	0.008							
9929		80- 90	0.01	0.008							
9930		100-110	0.02	0.008							
9931		120-130	0.01	0.005							
9932		140-150	0.01	0.004							
9933		160-170	0.01	0.004							
9934		180-190	0.01	0.007							
9935		200-210	0.01	0.004							
9936		220-230	0.01	0.004							
9937		240-250	0.01	0.005							
9938		260-270	0.01	0.004							
9939		280-290	0.01	0.004							
9940		300-310	0.01	0.004							
9941		320-330	0.01	0.004							
9942		340-350	0.02	0.005							
9943		360-370	0.03	0.004							
9944		380-390	0.03	0.004							
9945		400-410	0.02	0.007							
9946		420-430	0.01	0.004							
9947		440-450	0.01	0.005							
9948		460-470	0.01	0.005							
9949		470-480	0.01	0.004	0.01	0.16	0.19	0.26			
9950		480-490	0.01	0.003							
24551		500-510	0.02	0.004	Tr	0.09	L0.05	0.08			
24552		520-530	0.01	0.004	Tr	0.05	L0.05	L0.05			
24553		540-550	0.01	0.004	Tr	0.05	L0.05	L0.05			
24554		560-570	0.01	0.004	Tr	0.03	L0.05	L0.05			
24555		580-590	0.01	0.003	Tr	0.07	L0.05	L0.05			

PROJECT NAME:
MOUNT NANSEN D.D.H. CD-17

Date: September 1973
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo							P.O.
24576	CD-17	60- 70	0.10	0.004							
24577		80- 90	0.08	0.002							
24578		100-110	0.07	0.001							
24579		120-130	0.10	0.004							
24580		140-150	0.05	0.001							
24581		160-170	0.03	0.009							
24582		180-190	0.06	0.025							
24583		200-210	0.05	0.066							
24584		220-230	0.10	0.005							
24585		240-250	0.10	0.006							
24586		260-270	0.07	0.011							
24587		280-290	0.06	0.008							
24588		300-310	0.04	0.005							
24589		320-330	0.07	0.004							
24590		340-350	0.05	0.011							
24591		360-370	0.04	0.004							
24592		380-390	0.05	0.007							
24593		400-410	0.03	0.005							
24594		420-430	0.04	0.004							
24595		440-450	0.12	0.045							
24596		460-470	0.04	0.008							
24597		480-490	0.04	0.005							
24598		500-510	0.05	0.006							
24599		520-530	0.07	0.005							
24600		540-550	0.05	0.007							
24601		560-570	0.02	0.008							
24602		580-590	0.03	0.007							
24603		590-603	0.07	0.008							

PROJECT NAME: MOUNT NANSEN

Sheet 1 of 4

DATE: Sept. 1971 (Month Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb		Mo			P.O. NBR
505A	CD-1	19.5-30	Tr		0.01			L0.003			
506A		30-40	Tr		0.02			L0.003			
507A		40-50	Tr		0.03			L0.003			
508A		50-60	Tr		0.03			L0.003			
509A		60-70	Tr		0.01			L0.003			
510A		70-80	Tr		L0.01			L0.003			
511A		80-90	Tr		L0.01			L0.003			
512A		90-100	Tr		L0.01			L0.003			
513A		100-110	Tr		L0.01			L0.003			
514A		110-120	Tr		0.01			L0.003			
515A		120-130	Tr		0.07			L0.003			
516A		130-140	Tr		L0.01			L0.003			
517A		140-150	Tr		L0.01			L0.003			
518A		150-160	Tr		0.07			L0.003			
519A		160-170	Tr		L0.01			L0.003			
520A		170-180	Tr		L0.01			L0.003			
521A		180-190	Tr		L0.01			L0.003			
522A		190-200	Tr		0.01			L0.003			
523A		200-210	Tr		L0.01			L0.003			
524A		210-220	Tr		L0.01			L0.003			
525A		220-230	Tr		L0.01			L0.003			

PROJECT NAME: MOUNT NANSEN

Sheet 2 of 4

DATE: Sept 1971 (Month Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb	Mo	P.O. NBR
751A	CD-1	230-240	Tr		0.01		L0.003	
752A		240-250	Tr		L0.01		L0.003	
753A		250-260	Tr		0.01		L0.003	
754A		260-270	Tr		0.01		L0.003	
755A		270-280	Tr		0.01		L0.003	
756A		280-290	Tr		L0.01		L0.003	
757A		290-300	Tr		L0.01		L0.003	
758A		300-310	Tr		L0.01		L0.003	
759A		310-320	Tr		L0.01		L0.003	
760A		320-330	Tr		L0.01		L0.003	
761A		330-340	Tr		0.01		L0.003	
762A		340-350	Tr		0.04		L0.003	
763A		350-360	Tr		0.04		L0.003	
764A		360-370	Tr		0.04		L0.003	
765A		370-380	Tr		0.02		L0.003	
766A		380-390	Tr		0.04		L0.003	
767A		390-400	Tr		0.13		L0.003	
768A		400-410	Tr		0.06		L0.003	
769A		410-420	Tr		0.05		0.003	
770A		420-430	Tr		0.07		0.003	
771A	CD-1 (Sludge)	240-250	Tr		0.01		L0.003	
772A	"	330-340	Tr		0.02		L0.003	
773A	"	340-350	Tr		0.02		L0.003	
774A	"	350-360	Tr		0.02		0.002	
775A	"	360-370	Tr		0.02		L0.003	
776A	"	370-380	Tr		0.02		L0.003	
777A	"	380-390	Tr		0.03		L0.003	
778A	CD-1	430-440	Tr		0.09		0.003	
779A		440-450	Tr		0.05		0.003	
780A		450-460	Tr		0.05		L0.003	
781A		460-470	Tr		0.05		L0.003	
782A		470-480	Tr		0.06		L0.003	
783A		480-490	Tr		0.11		L0.003	
784A		490-500	Tr		0.09		L0.003	
785A		500-510	Tr		0.14		L0.003	
786A		510-520	Tr		0.11		L0.003	
787A		520-530	Tr		0.11		L0.003	
788A		530-540	Tr		0.11		L0.003	
789A		540-550	Tr		0.14		L0.003	
790A		550-560	Tr		0.14		0.004	

PROJECT NAME:

MOUNT NANSEN

DATE: Sept 1971
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb		Mo			P.O. NBR
791A	CD-1	560-570	Tr		0.10			L0.003			
792A		570-580	Tr		0.11			L0.003			
793A		580-590	Tr		0.09			0.004			
794A		590-600	Tr		0.10			L0.003			
795A		600-610	Tr		0.13			L0.003			
796A		610-620	Tr		0.12			L0.003			
797A		620-630	Tr		0.10			L0.003			
798A		630-640	Tr		0.13			L0.003			
799A		640-650	Tr		0.26			0.006			
800A		650-660	Tr		0.33			0.003			
801A		660-670	Tr		0.16			L0.003			
802A		670-680	Tr		0.14			L0.003			
803A		680-690	Tr		0.15			L0.003			
804A		690-700	Tr		0.09			L0.003			
805A		700-710	Tr		0.65			0.005			
806A		710-720	Tr		0.08			L0.003			
807A		720-730	Tr		0.09			L0.003			
808A		730-740	Tr		0.11			L0.003			
809A		740-750	Tr		0.09			L0.003			
810A		750-760	Tr		0.09			0.017			
811A		760-770	Tr		0.07			0.003			
812A		770-780	Tr		0.08			L0.003			
813A		780-790	Tr		0.08			0.018			
814A		790-800	Tr		0.10			0.012			
815A		800-810	Tr		0.09			L0.003			
816A		810-820	Tr		0.15			0.004			
817A		820-830	Tr		0.04			0.012			
818A		830-840	Tr		0.04			0.003			
819A		840-850	Tr		0.07			0.004			
820A		850-860	Tr		0.07			0.024			
821A		860-870	Tr		0.05			0.059			
822A		870-880	Tr		0.06			0.061			
823A		880-890	Tr		0.05			0.003			
824A		890-900	Tr		0.05			L0.003			
825A		900-910	Tr		0.03			L0.003			
826A		920-930	Tr		0.03			L0.003			
827A		930-940	Tr		0.06			0.060			
828A		940-950	Tr		0.11			0.013			

PROJECT NAME:
MOUNT NANSEN

Sheet 4 of 4

DATE: Sept (Month) 1971 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb		Mo			P.O. NBR
829A	CD-1	950-960	Tr		0.10			0.016			
830A		960-970	Tr		0.11			0.005			
831A		970-980	Tr		0.10			0.009			
832A		980-990	Tr		0.13			0.007			
833A		990-1000	Tr		0.12			0.006			
834A		1000-1010	Tr		0.12			0.008			
835A		1010-1020	Tr		0.10			0.036			
836A		1020-1030	Tr		0.08			0.010			
		End of Hole									

PROJECT NAME:

MOUNT NANSEN

DATE: Oct 1971
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb		Mo			P.C NBR
837A	CD-2	20-30	0.005	0.04	0.05			0.004			
838A		30-40	0.005	0.04	0.04			0.009			
839A		40-50	Tr	0.02	0.05			0.004			
840A		50-60	Tr	0.02	0.03			0.003			
841A		60-70	Tr	Tr	0.04			0.003			
842A		70-80	0.005	0.04	0.04			L0.003			
843A		80-90	0.005	0.04	0.04			0.011			
844A		90-100	0.005	0.04	0.04			L0.003			
845A		100-110	0.005	0.04	0.05			0.005			
846A		110-120	Tr	0.04	0.07			0.006			
847A		120-130	0.005	0.07	0.08			L0.003			
848A		130-140	0.005	0.06	0.05			0.004			
849A		140-150	Tr	0.04	0.06			0.006			
850A		150-160	Tr	0.04	0.04			0.003			
851A		160-170	Tr	0.02	0.04			L0.003			
852A		170-180	0.005	0.06	0.04			0.003			
853A		180-190	0.005	0.05	0.04			0.011			
854A		190-200	0.005	0.07	0.05			0.017			
855A		200-210	Tr	0.02	0.05			L0.003			
856A		210-220	0.005	0.04	0.05			0.003			
857A		220-230	Tr	0.02	0.04			0.003			
858A		230-240	0.005	0.04	0.06			L0.003			
859A		240-250	0.005	0.06	0.02			0.008			
860A		250-260	0.005	0.05	0.09			L0.003			
861A		260-270	Tr	0.02	0.09			0.004			
862A		270-280	0.005	0.04	0.08			0.004			
863A		280-290	0.005	0.04	0.18			0.004			
864A		290-300	Tr	0.02	0.03			L0.003			
865A		300-310	Tr	Tr	0.04			L0.003			
866A		310-320	Tr	Tr	0.04			L0.003			
867A		320-330	Tr	0.02	0.04			L0.003			
868A		330-340	Tr	0.02	0.03			L0.003			
869A		340-350	Tr	Tr	0.04			L0.003			
870A		350-360	Tr	Tr	0.04			L0.003			
871A		360-370	Tr	Tr	0.07			L0.003			
872A		370-380	0.005	0.02	0.13			L0.003			
873A		380-390	0.005	0.02	0.07			L0.003			
874A		390-400	0.005	0.02	0.09			0.013			

PROJECT NAME:
MOUNT NANSEN

DATE:
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb		Mo			P.O NBR
875A	CD-2	400-410	0.010	0.05	0.07			0.005			
876A		410-420	0.005	0.02	0.06			L0.003			
877A		420-430	0.005	0.02	0.03			0.003			
878A		430-440	0.010	0.04	0.15			L0.003			
879A		440-450	0.010	0.03	0.04			0.003			
880A		450-460	0.005	0.02	0.08			0.003			
881A		460-470	Tr	Tr	0.08			0.004			
882A		470-480	Tr	Tr	0.05			L0.003			
883A		480-490	0.005	0.02	0.07			0.009			
884A		490-500	0.005	0.02	0.11			0.031			
885A		500-510	0.005	0.02	0.13			0.005			
886A		510-520	0.005	0.02	0.05			0.008			
887A		520-530	Tr	Tr	0.06			L0.003			
888A		530-540	0.005	0.04	0.09			0.003			
889A		540-550	0.005	0.02	0.07			L0.003			
890A		550-560	0.005	0.02	0.06			L0.003			
891A		560-570	Tr	Tr	0.07			0.003			
892A		570-580	0.005	0.02	0.09			0.004			
893A		580-590	0.005	0.02	0.08			0.003			
894A		590-600	0.005	0.02	0.08			L0.003			
895A		600-610	Tr	Tr	0.08			0.004			
896A		610-620	Tr	Tr	0.05			0.003			
897A		620-630	0.005	0.02	0.07			0.006			
898A		630-640	Tr	0.04	0.07			0.005			
899A		640-650	0.005	0.02	0.05			0.005			
900A		650-660	0.005	0.04	0.04			0.003			
901A		660-670	Tr	0.02	0.05			0.011			
902A		670-680	0.010	0.04	0.07			0.004			
903A		680-690	0.005	0.02	0.10			0.005			
904A		690-700	Tr	0.04	0.05			L0.003			
905A		700-710	Tr	0.04	0.06			L0.003			
906A		710-720	0.005	0.02	0.06			0.003			
907A		720-730	Tr	Tr	0.07			0.004			
908A		730-740	Tr	Tr	0.06			0.004			
909A		740-750	Tr	Tr	0.04			L0.003			
910A		750-760	Tr	Tr	0.04			L0.003			
911A		760-770	Tr	Tr	0.05			L0.003			
912A		770-780	0.005	0.02	0.07			0.003			

PROJECT NAME: MOUNT NANSEN

DATE: Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb		Mo			P.O NBR
913A	CD-2	780-790	Tr	Tr	0.06			L0.003			
914A		790-800	Tr	Tr	0.04			L0.003			
915A		800-810	Tr	Tr	0.04			0.004			
916A		810-820	Tr	Tr	0.04			0.004			
917A		820-830	Tr	Tr	0.03			0.003			
918A		830-840	0.005	0.02	0.04			0.003			
919A		840-850	0.005	0.02	0.06			L0.003			
920A		850-860	0.005	0.03	0.07			0.004			
921A		860-870	0.005	0.02	0.06			L0.003			
922A		870-880	Tr	Tr	0.05			L0.003			
923A		880-890	Tr	Tr	0.09			0.005			
924A		890-900	Tr	Tr	0.08			0.003			
925A		900-910	Tr	Tr	0.07			0.004			
926A		910-920	Tr	Tr	0.06			0.003			
927A		920-930	Tr	Tr	0.08			L0.003			
928A		930-940	Tr	Tr	0.05			L0.003			
929A		940-950	Tr	Tr	0.08			0.008			
930A		950-960	Tr	0.03	0.11			0.012			
931A		960-970	0.005	0.05	0.07			L0.003			
932A		970-980	Tr	0.04	0.07			0.008			
933A		980-990	Tr	0.02	0.03			0.003			
934A		990-1000	Tr	Tr	0.03			L0.003			
935A		1000-1010	Tr	Tr	0.04			L0.003			
936A		1010-1020	Tr	0.04	0.04			0.007			
937A		1020-1030	Tr	0.04	0.06			0.005			
938A		1030-1040	Tr	Tr	0.05			L0.003			
939A		1040-1050	Tr	Tr	0.06			L0.003			
940A		1050-1060	Tr	Tr	0.05			L0.003			
941A		1060-1070	Tr	Tr	0.08			0.003			
942A		1070-1080	0.005	0.02	0.06			L0.003			
943A		1080-1090	Tr	Tr	0.04			L0.003			
944A		1090-1100	0.005	0.02	0.06			0.004			
945A		1100-1110	0.005	0.03	0.07			0.011			
946A		1110-1120	0.005	0.02	0.13			0.005			
947A		1120-1130	0.005	0.02	0.07			L0.003			
948A		1130-1140	Tr	Tr	0.06			0.003			
949A		1140-1150	0.005	0.03	0.08			0.003			
950A		1150-1160	Tr	Tr	0.09			0.004			

PROJECT NAME:

MOUNT NANSEN

Sheet 4 of 4

DATE: October 1971
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb		Mo			P.C NBI
951A		1160-1170	0.005	0.02	0.07			L0.003			
952A		1170-1180	Tr	Tr	0.04			0.003			
953A		1180-1190	Tr	Tr	0.03			0.005			
954A		1190-1200	Tr	Tr	0.03			L0.003			
955A		1200-1210	0.005	0.02	0.19			L0.003			
956A		1210-1220	Tr	Tr	0.06			L0.003			
957A		1220-1230	Tr	Tr	0.04			L0.003			
958A		1230-1240	Tr	Tr	0.03			L0.003			
959A		1240-1250	Tr	Tr	0.04			0.004			
960A		1250-1260	Tr	0.04	0.03			L0.003			
961A		1260-1270	0.005	0.02	0.07			L0.003			
962A		1270-1280	Tr	Tr	0.05			0.005			
963A		1280-1290	Tr	0.04	0.03			0.007			
964A		1290-1300	Tr	Tr	0.04			L0.003			
965A		1300-1310	Tr	Tr	0.03			L0.003			
966A		1310-1320	Tr	Tr	0.03			L0.003			
967A		1320-1330	Tr	Tr	0.03			L0.003			
968A		1330-1340	0.005	0.04	0.02			L0.003			
969A		1340-1350	Tr	0.04	0.03			L0.003			
970A		1350-1360	Tr	Tr	0.06			0.016			
971A		1360-1370	Tr	Tr	0.02			L0.003			
972A		1370-1380	Tr	Tr	0.03			L0.003			
973A		1380-1390	Tr	Tr	0.02			0.003			
974A		1390-1400	Tr	Tr	0.03			L0.003			
975A		1400-1410	Tr	Tr	0.03			L0.003			
976A		1410-1420	Tr	Tr	0.02			L0.003			
977A		1420-1430	Tr	Tr	0.04			L0.003			
978A		1430-1443.5	Tr	Tr	0.07			L0.003			
		END OF HOLE									

PROJECT NAME: MOUNT NANSEN (percussion)

DATE: August (Month) 1971 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb	Zn	MoS_2	Ni	Mo	P.O. NBR
	CP1	10-20	0.005	0.02	0.02			0.005		0.003	
		20-30	0.005	0.03	L0.01			0.005		0.003	
		30-40	0.005	0.02	0.02			0.010		0.006	
		40-50	trace	trace	0.02			0.015		0.009	
		50-60	0.005	0.05	0.06			0.025		0.015	
		60-70	0.005	0.02	0.18			0.034		0.021	
		70-80	trace	0.02	0.22			0.034		0.021	
		80-90	trace	trace	0.38			0.042		0.025	
		90-100	trace	trace	0.32			0.040		0.024	
		100-110	0.005	0.05	0.20			0.032		0.019	
		110-120	0.005	0.05	0.21			0.030		0.018	
		120-130	trace	trace	0.19			0.040		0.024	
		130-140	0.005	0.03	0.19			0.034		0.021	
		140-150	0.005	0.06	0.15			0.030		0.018	
		150-160	0.005	0.02	0.15			0.030		0.018	
		160-170	0.005	0.05	0.13			0.028		0.017	
		170-180	0.005	0.05	0.12			0.028		0.017	
		180-190	0.010	0.08	0.12			0.026		0.016	
		190-200	0.005	0.05	0.10			0.047		0.028	
		200-210	0.005	0.05	0.11			0.045		0.027	
		210-220	0.005	0.03	0.13			0.044		0.026	
		220-230	trace	trace	0.10			0.038		0.023	
		230-235	0.005	0.05	0.11			0.038		0.023	

PROJECT NAME:
MOUNT NANSEN (percussion)

DATE: Sept 1971
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu			Mo			P.O. NBR
	CP 2	2- 10	0.005	0.02	0.06			0.003			
		10- 20	Trace	Trace	0.02			0.003			
		20- 30	Trace	Trace	0.04			L0.003			
		30- 40	0.005	0.01	0.02			L0.003			
		40- 50	0.005	0.03	0.06			L0.003			
		50- 60	0.005	0.04	0.07			L0.003			
		60- 70	0.010	0.04	0.11			L0.003			
		70- 80	0.005	0.02	0.08			L0.003			
		80- 90	0.005	0.01	0.08			L0.003			
		90-100	0.005	0.02	0.04			L0.003			
		100-110	0.005	0.03	0.05			L0.003			
		110-120	0.005	0.02	0.03			L0.003			
		120-130	Trace	Trace	0.02			L0.003			
		130-140	0.005	0.02	0.02			L0.003			
		140-150	0.005	0.01	0.02			L0.003			
		150-160	0.005	0.03	0.02			L0.003			
		160-170	0.005	0.02	0.01			L0.003			
		170-180	0.005	0.02	0.01			L0.003			
		180-190	0.005	0.03	0.01			L0.003			
		190-200	0.005	0.02	0.01			L0.003			
		200-210	0.005	0.02	0.01			L0.003			
		210-220	0.005	0.01	0.01			L0.003			
		220-230	0.005	0.01	0.01			L0.003			
		230-240	0.005	0.02	0.01			L0.003			
		240-250	Trace	Trace	0.01			L0.003			
		250-260									
		260-270	0.005	0.01	0.01			L0.003			
		270-280	0.005	0.02	0.02			L0.003			
		280-290	0.005	0.02	0.01			L0.003			
		290-300	0.005	0.03	0.01			L0.003			
		300-310	0.005	0.02	0.01			L0.003			
		310-320	0.005	0.03	0.01			0.004			
		320-330	Trace	Trace	0.01			0.005			
		330-340	0.005	0.01	0.01			0.004			
		340-350	0.005	0.02	0.01			0.003			
		350-360	0.005	0.02	0.01			L0.003			
		360-370	0.005	0.03	0.01			L0.003			
		370-380	0.005	0.02	0.01			L0.003			
		380-390	0.005	0.04	0.01			L0.003			

PROJECT NAME:

MOUNT NANSEN (percussion)

DATE: Sept 1971
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb		Mo			P.O. NBR
	CP 3	9- 20	Trace	Trace	0.02	L0.01		0.004			
		20- 30	Trace	Trace	0.01	L0.01		0.003			
		30- 40	Trace	Trace	0.02	L0.01		0.005			
		40- 50	Trace	Trace	0.02	L0.01		0.008			
		50- 60	Trace	Trace	0.03	L0.01		0.007			
		60- 70	Trace	Trace	0.06	L0.01		0.006			
		70- 80	Trace	Trace	0.04	L0.01		0.004			
		80- 90	Trace	Trace	0.03	L0.01		0.004			
		90-100	Trace	Trace	0.03	L0.01		0.005			
		100-110	Trace	Trace	0.04	L0.01		0.004			
		110-120	Trace	Trace	0.04	L0.01		0.008			
		120-130	Trace	Trace	0.02	L0.01		0.005			
		130-140	Trace	Trace	0.02	L0.01		0.004			
		140-150	Trace	Trace	0.02	L0.01		0.008			
		150-160	Trace	Trace	0.03	L0.01		0.004			
		160-170	Trace	Trace	0.03	L0.01		0.003			
		170-180	Trace	Trace	0.12	L0.01		0.005			
		180-190	Trace	Trace	0.02	L0.01		0.003			
		190-200	Trace	Trace	0.02	L0.01		0.006			
		200-210	Trace	Trace	0.02	L0.01		0.004			
		210-220	Trace	Trace	0.07	L0.01		0.007			
		220-230	Trace	Trace	0.02	L0.01		0.007			
		230-240	Trace	Trace	0.03	L0.01		0.006			
		240-250	Trace	Trace	0.02	L0.01		0.006			
		250-260	Trace	Trace	0.02	L0.01		0.008			
		260-270	Trace	Trace	0.01	L0.01		0.004			
		270-280	Trace	Trace	0.02	L0.01		0.008			
		280-290	Trace	Trace	0.02	L0.01		0.005			
		290-300	Trace	Trace	0.01	L0.01		0.004			
		300-310	Trace	Trace	0.02	L0.01		0.007			
		310-320	Trace	Trace	0.02	L0.01		0.005			
		320-330	Trace	Trace	0.02	L0.01		0.004			
		330-340	Trace	Trace	0.03	L0.01		0.004			
		340-350	Trace	Trace	0.02	L0.01		0.005			
		350-360	Trace	Trace	0.01	L0.01		0.014			
		360-370	Trace	Trace	0.01	L0.01		0.007			
		370-380	Trace	0.02	0.01	L0.01		0.007			
		380-390	Trace	Trace	0.01	L0.01		0.004			

PROJECT NAME:

MOUNT NANSEN (percussion) Page 2

DATE: Sept. 1971
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE									P.O. NBR
	CP 3	390-400	Trace	Trace	0.01	L0.01		0.006			
		400-410	Trace	0.02	0.01	L0.01		0.005			

PROJECT NAME:

MOUNT NANSEN (percussion)

DATE: August 1971
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb	Zn	MoS2	Ni	Mo	P.O. NBR
	CP4	10-20	trace	trace	0.02			0.005		0.003	1406
	"	20-30	0.005	0.02	0.05			0.015		0.009	
	"	30-40	trace	0.02	0.05			0.015		0.009	
	"	40-50	trace	0.03	0.03			0.010		0.006	
	"	50-60	trace	0.02	0.06			0.025		0.015	
	"	60-70	0.005	0.04	0.10			0.025		0.015	
	"	70-80	0.005	0.04	0.13			0.020		0.012	
	"	80-90	trace	0.04	0.11			0.028		0.017	
	"	90-100	0.005	0.02	0.09			0.016		0.010	
	"	100-110	0.005	0.02	0.10			0.016		0.010	
	"	110-120	0.005	0.02	0.08			0.020		0.012	
	"	120-130	trace	trace	0.09			0.025		0.015	
	"	130-140	0.005	0.02	0.09			0.024		0.014	
	"	140-150	trace	0.02	0.08			0.020		0.012	
	"	150-160	trace	0.02	0.07			0.020		0.012	
	"	160-170	trace	trace	0.06			0.019		0.011	
	"	170-180	0.01	0.05	0.10			0.015		0.009	
	"	180-190	0.005	0.02	0.09			0.014		0.008	
	"	190-200	0.010	0.43	0.18	0.05		0.037		0.022	
	"	200-210	0.005	0.21	0.17	0.03		0.026		0.016	
	"	210-220	0.005	0.07	0.11	0.02		0.011		0.007	
	"	220-230	0.005	0.04	0.08	0.02		0.010		0.006	
	"	230-240	0.005	0.14	0.08	0.01		0.007		0.004	
	"	240-250	0.005	0.13	0.09	0.02		0.008		0.005	
	"	250-260	0.005	0.08	0.08	0.01		0.007		0.004	
	"	260-270	0.005	0.06	0.08	0.01		0.008		0.005	

PROJECT NAME: MOUNT NANSEN (percussion)

DATE: August 1971 (Month Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb	Zn	MoS2	Ni	Mo	P.O. NBP
	CP5	8-20	trace	trace	0.01			0.028		0.017	
		20-30	0.02	0.05	0.01			0.032		0.019	
		30-40	trace	trace	0.01			0.022		0.013	
		40-50	trace	trace	0.01			0.021		0.013	
		50-60	0.005	0.02	0.01			0.030		0.018	
		60-70	trace	trace	0.03			0.010		0.006	
		70-80	trace	trace	0.05			0.015		0.009	
		80-90	trace	trace	0.05			0.015		0.009	
		90-100	trace	0.02	0.05			0.020		0.012	
		100-110	trace	0.02	0.05			0.014		0.008	
		110-120	trace	trace	0.05			0.014		0.008	
		120-130	trace	trace	0.06			0.014		0.008	
		130-140	trace	trace	0.05			0.015		0.009	
		140-150	trace	0.02	0.05			0.020		0.012	
		150-160	0.005	0.03	0.05			0.020		0.012	
		160-170	trace	trace	0.06			0.019		0.011	
		170-180	trace	trace	0.03			0.013		0.008	
		180-190	trace	trace	0.03			0.019		0.011	
		190-200	trace	trace	0.02			0.015		0.009	
		200-210	trace	0.02	0.03			0.018		0.011	
		210-220	trace	trace	0.03			0.020		0.012	
		220-230	trace	trace	0.03			0.030		0.018	
		230-240	0.005	0.02	0.05			0.019		0.011	
		240-250	trace	trace	0.03			0.025		0.015	
		250-260	trace	0.02	0.05			0.030		0.018	
		260-270	trace	0.02	0.03			0.020		0.012	
		270-280	trace	trace	0.03			0.026		0.016	
		280-290	0.005	0.02	0.06			0.029		0.017	
		290-300	trace	trace	0.05			0.041		0.025	
		300-310	trace	trace	0.04			0.027		0.016	
		310-320	trace	trace	0.04			0.029		0.017	
		320-330	trace	trace	0.03			0.018		0.011	

PROJECT NAME:

MOUNT NANSEN (percussion)

DATE: Sept. 1971
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu			Mo			P.O. NBR
	CP 6	14- 20	Trace	Trace	0.03			0.003			
		20- 30	Trace	Trace	0.06			0.004			
		30- 40	Trace	Trace	0.05			0.005			
		40- 50	Trace	Trace	0.09			0.004			
		50- 60	Trace	Trace	0.07			0.004			
		60- 70	0.005	0.03	0.07			0.007			
		70- 80	0.005	0.03	0.09			0.010			
		80- 90	Trace	Trace	0.06			0.005			
		90-100	0.005	0.03	0.08			0.007			
		100-110	0.005	0.02	0.07			0.005			
		110-120	0.005	0.03	0.05			0.007			
		120-130	0.005	0.02	0.05			0.004			
		130-140	0.005	0.04	0.05			0.005			
		140-150	Trace	Trace	0.06			0.004			
		150-160	0.005	0.04	0.06			0.004			
		160-170	Trace	Trace	0.04			0.004			
		170-180	Trace	Trace	0.04			0.003			
		180-190	0.005	0.03	0.04			0.006			
		190-200	0.005	0.03	0.03			0.007			
		200-210	0.005	0.03	0.04			0.003			
		210-220	Trace	Trace	0.03			0.004			
		220-230	0.005	0.02	0.04			0.003			
		230-240	0.005	0.02	0.03			0.005			
		240-250	0.005	0.03	0.05			0.005			
		250-260	0.005	0.03	0.04			0.005			
		260-270	0.005	0.02	0.06			0.012			
		270-280	0.005	0.03	0.07			0.010			
		280-290	Trace	Trace	0.05			0.009			
		290-300	0.005	0.02	0.04			0.007			
		300-310	Trace	Trace	0.04			0.006			
		310-320	Trace	Trace	0.05			0.007			
		320-330	0.005	0.02	0.05			0.006			
		330-340	0.005	0.04	0.06			0.006			
		340-350	Trace	0.02	0.05			0.005			

PROJECT NAME:

MOUNT NANSEN (percussion)

DATE: Sept. 1971
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb		Mo			P.O. NBR
	CP 7	40- 50	Trace	--	0.01	--		L0.003			
		50- 60	Trace	--	0.03	--		L0.003			
		60- 70	Trace	--	0.05	--		L0.003			
		70- 80	Trace	--	0.09	--		0.005			
		80- 90	Trace	--	0.14	--		0.007			
		90-100	Trace	--	0.05	--		0.004			
		100-110	Trace	--	0.13	--		0.004			
		110-120	Trace	--	0.11	--		0.004			
		120-130	Trace	--	0.12	--		0.004			
		130-140	Trace	--	0.10	--		0.003			
		140-150	Trace	--	0.11	--		0.005			
		150-160	Trace	--	0.13	--		0.005			
		160-170	Trace	--	0.09	--		0.005			
		170-180	Trace	--	0.02	--		0.006			
		180-190	Trace	--	0.11	--		0.004			
		190-200	Trace	--	0.09	--		L0.003			

PROJECT NAME:

MOUNT NANSEN (percussion)

DATE: Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb	Zn	MoS2	Ni	Mo	P.O. NBR
	CP8	5-20	0.005	0.02	0.05	L0.01		0.005		0.003	
	CP8	20-30	0.005	0.02	0.03	L0.01		0.005		0.003	
	CP8	30-40	0.005	0.03	0.04	L0.01		0.011		0.007	
	CP8	40-50	0.005	0.02	0.03	L0.01		0.009		0.005	
	CP8	50-60	0.005	0.04	0.03	L0.01		0.008		0.005	
	CP8	60-70	0.005	0.05	0.03	0.01		0.008		0.005	
	CP8	70-80	0.005	0.05	0.02	L0.01		0.007		0.004	
	CP8	80-90	trace	trace	0.02	0.01		0.008		0.005	
	CP8	90-100	0.005	0.03	0.03	L0.01		0.006		0.004	
	CP8	100-110	0.005	0.04	0.07	L0.01		0.007		0.004	
	CP8	110-120	0.005	0.05	0.04	L0.01		0.007		0.004	
	CP8	120-130	trace	trace	0.03	L0.01		0.005		0.003	
	CP8	130-140	0.005	0.03	0.03	L0.01		0.010		0.006	
	CP8	140-150	0.005	0.04	0.04	0.01		0.008		0.005	
	CP8	150-160	0.005	0.03	0.04	L0.01		0.008		0.005	
	CP8	160-170	0.005	0.05	0.05	L0.01		0.022		0.013	
	CP8	170-180	0.005	0.02	0.04	L0.01		0.019		0.011	
	CP8	180-190	0.005	0.04	0.07	0.02		0.025		0.015	
	CP8	190-200	0.005	0.10	0.04	0.01		0.011		0.007	
	CP8	200-210	0.005	0.09	0.04	0.01		0.011		0.007	
	CP8	210-220	0.005	0.05	0.03	L0.01		0.009		0.005	
	CP8	220-230	0.005	0.04	0.03	L0.01		0.009		0.005	
	CP8	230-240	0.005	0.04	0.04	L0.01		0.010		0.006	
	CP8	240-250	0.005	0.05	0.03	L0.01		0.012		0.007	
	CP8	250-260	0.010	0.29	0.02	L0.01		0.011		0.007	
	CP8	260-270	0.005	0.06	0.03	0.01		0.010		0.006	
	CP8	270-280	trace	0.07	0.02	0.02		0.008		0.005	
	CP8	280-290	0.005	0.07	0.01	0.02		0.005		0.003	
	CP8	290-300	0.005	0.04	0.01	0.01		L0.005		<0.003	
	CP8	300-310	0.005	0.05	0.01	0.01		L0.005		<	
	CP8	310-320	trace	0.05	0.01	0.01		L0.005		<	
	CP8	320-330	0.005	0.05	0.02	0.01		L0.005		<	
	CP8	330-340	0.005	0.05	0.01	0.01		L0.005		<	
	CP8	340-350	trace	0.05	0.01	L0.01		L0.005		<	
	CP8	350-360	trace	0.05	0.01	0.01		L0.005		<	
	CP8	360-370	trace	0.04	0.01	L0.01		L0.005		<	
	CP8	370-380	0.005	0.05	0.01	L0.01		0.005		0.003	
	CP8	380-390	0.005	0.05	0.01	L0.01		L0.005		<	

PROJECT NAME: DATE:

MOUNT NANSEN (percussion) Pag. 2 Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb	Zn	MoS2	Ni	Mo	P.O. NBR
	CP8	390-400	0.010	0.05	0.02	L0.01		0.005		0.003	
	CP8	400-410	trace	0.05	0.01	0.01		0.010		0.006	
	CP8	410-420	0.005	0.04	0.01	L0.01		0.012		0.007	
	CP8	420-430	0.005	0.04	0.02	L0.01		0.009		0.005	
	CP8	430-440	0.005	0.05	0.02	L0.01		0.009		0.005	
	CP8	440-450	0.005	0.05	0.02	L0.01		0.008		0.005	
	CP8	450-460	0.005	0.05	0.01	L0.01		0.006		0.004	
	CP8	460-470	0.005	0.04	0.02	L0.01		0.007		0.004	
	CP8	470-480	trace	0.05	0.03	L0.01		0.008		0.005	
	CP8	480-490	0.005	0.05	0.03	L0.01		0.032		0.019	
	CP8	490-500	0.005	0.05	0.04	L0.01		0.023		0.014	

PROJECT NAME:

MOUNT NANSEN (percussion)

DATE: Sept (Month) 1971 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Au	Ag	Cu	Pb	Mo	P.O. NBR
	CP 9	30- 40	0.005	0.02	0.04	0.01	0.005	
		40- 50	0.005	0.05	0.05	0.01	0.005	
		50- 60	0.010	0.07	0.05	0.02	0.005	
		60- 70	0.010	0.10	0.05	0.02	0.005	
		70- 80	Trace	Trace	0.04	0.01	0.006	
		80- 90	0.010	0.08	0.05	0.01	0.007	
		90-100	0.010	0.06	0.19	0.01	0.007	
		100-110	0.010	0.08	0.06	0.01	0.007	
		110-120	0.005	0.02	0.06	L0.01	0.051	
		120-130	Trace	0.02	0.09	L0.01	0.010	
		130-140	0.005	0.04	0.10	L0.01	0.008	
		140-150	0.005	0.02	0.06	0.01	0.008	
		150-160	0.005	0.03	0.06	0.01	0.007	
		160-170	0.005	0.05	0.07	0.01	0.007	
		170-180	0.005	0.02	0.09	L0.01	0.005	
		180-190	0.005	0.04	0.07	0.01	0.005	
		190-200	0.005	0.04	0.04	0.01	0.003	
		200-210	Trace	0.02	0.03	L0.01	0.004	
		210-220	0.005	0.05	0.03	0.01	0.003	
		220-230	0.005	0.06	0.05	L0.01	0.004	
		230-240	0.005	0.04	0.03	0.05	0.006	
		240-250	0.005	0.05	0.03	0.02	0.003	
		250-260	0.010	0.08	0.04	0.03	0.004	
		260-270	0.010	0.10	0.03	0.01	0.003	
		270-280	0.005	0.07	0.08	0.04	0.004	
		280-290	0.010	0.70	0.09	0.07	0.003	
		290-300	0.005	0.23	0.03	0.02	0.003	
		300-310	0.005	0.04	0.03	0.01	0.004	
		310-320	0.010	0.06	0.04	0.01	0.022	
		320-330	0.005	0.04	0.02	0.01	0.004	
		330-340	0.005	0.05	0.02	0.01	0.004	
		340-350	0.005	0.05	0.02	0.01	0.005	
		350-360	0.005	0.04	0.03	0.01	0.003	
		360-370	0.005	0.06	0.03	0.08	0.003	
		370-380	0.005	0.03	0.04	0.07	0.003	
		380-390	0.005	0.04	0.04	0.02	0.003	
		390-400	0.010	0.10	0.04	0.01	0.003	
		400-410	0.005	0.04	0.03	0.01	0.003	
		410-420	0.005	0.04	0.03	0.01	0.003	
		420-430	0.005	0.02	0.03	0.01	0.003	

PROJECT NAME:
MOUNT NANSEN

Date: June (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
4201	(461-72-1) CD-3	86- 90	0.07	L.003							
4202		90-100	0.05	L.003	L0.005						
4203		100-110	0.06	L.003							
4204		110-120	0.03	L.003							
4205		120-130	0.03	L.003	L0.005						
4206		130-140	0.02	L.003							
4207		140-150	0.02	L.003							
4208		150-160	0.04	L.003	L0.005						
4209		160-170	0.05	L.003							
4210		170-180	0.03	L.003							
4211		180-190	0.03	L.003	L0.005						
4212		190-200	0.05	0.004							
4213		200-210	0.02	L.003							
4214		210-220	0.03	L.003	L0.005						
4215		220-230	0.04	L.003							
4216		230-240	0.03	L.003							
4217		240-250	0.08	L.003	L0.005						
4218		250-260	0.03	L.003							
4219		260-270	0.02	L.003							
4220		270-280	0.02	L.003	L0.005						
4221		280-290	0.04	L.003							
4222		290-300	0.02	L.003							
4223		300-310	0.03	L.003	L0.005						
4224		310-320	0.01	L.003							
4225		320-330	0.09	L.003	L0.005						
4226		330-340	0.01	L.003	L0.005						
4227		340-350	0.01	L.003							
4228		350-360	0.02	L.003							
4229		360-370	0.03	L.003	L0.005						
4230		370-380	0.02	L.003							
4231		380-390	0.01	L.003							
4232		390-400	0.02	L.003	L0.005						
4233		400-410	0.01	L.003							
4234		410-420	0.01	L.003							
4235		420-430	L.01	L.003	L0.005						
4236		430-440	0.03	L.003							
4237		440-450	0.05	L.003							
4238		450-460	0.08	L.003	L0.005						

PROJECT NAME:
MOUNT NANSEN

Date: June (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
4239	(461-72-1) CD-3	460-470	0.01	0.004							
4240		470-480	0.04	L.003							
4241		480-490	0.01	L.003	L0.005						
4242		490-500	0.01	L.003							

PROJECT NAME: DDH CD-4 Date: June 1972
Month Year

MOUNT NANSEN Page 1

Check Assays (Chemex)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au			Cu	Mo		P.O.
100	CD-4	50- 60	0.04	0.030	0.003			0.05	0.025		
101		60- 70	0.05	0.066	L0.005			0.06	0.054		
102		70- 80	0.12	0.018	L0.005			0.13	0.018		
103		80- 90	0.22	0.019	0.006			0.22	0.019		
104		90-100	0.21	0.015	0.005			0.22	0.016		
105		100-110	0.11	0.015	0.005			0.13	0.016		
106		110-120	0.08	0.010	L0.005			0.09	0.009		
107		120-130	0.14	0.011	0.005			0.15	0.009		
108		130-140	0.16	0.014	0.005			0.20	0.013		
109		140-150	0.14	0.029	0.005			0.15	0.026		
110		150-160	0.20	0.069	0.005			0.23	0.065		
111		160-170	0.08	0.017	0.005			0.10	0.015		
112		170-180	0.05	0.012	0.005			0.05	0.011		
113	Sludge	147-159	0.53	0.041	0.013			0.53	0.040		
114	Sludge	159-170	0.43	0.015	0.017			0.46	0.014		
115	Sludge	170-180	0.23	0.023	0.005			0.20	0.021		
116	Sludge	180-190	0.16	0.022	0.005			0.16	0.024		
117	Sludge	190-200	0.12	0.039	0.005			0.13	0.036		
118	Sludge	200-210	0.18	0.045	0.005			0.17	0.045		
119	Sludge	210-220	0.18	0.040	0.005			0.18	0.042		
120		180-190	0.06	0.013							
121		190-200	0.07	0.019							
122		200-210	0.07	0.025	L0.005						
123		210-220	0.05	0.022							
124		220-230	0.05	0.012							
125		230-240	0.05	0.007	L0.005						
126		240-250	0.06	0.017							
127		250-260	0.06	0.016	L0.005						
128		260-270	0.08	0.018							
129		270-280	0.06	0.016	L0.005						
130		280-290	0.06	0.030							
131		290-300	0.08	0.017							
132		300-310	0.10	0.023	0.005						
133		310-320	0.13	0.010	0.005						
134		320-330	0.08	0.016							
135		330-340	0.05	0.020	L0.005						
136		340-350	0.05	0.019							
137		350-360	0.04	0.012							

PROJECT NAME: MOUNT NANSEN

DDH CD-4

Page 2

Date: June (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
138	CD-4	360-370	0.05	0.020	L0.005						
139		370-380	0.06	0.020							
140		380-390	0.01	L0.003							
141		390-400	0.07	0.011	L0.005						
142		400-410	0.05	0.013							
143		410-420	0.04	0.007							
144		420-430	0.01	L0.003	L0.005						
145		430-440	0.02	L0.003							
146		440-450	0.02	L0.003							
147		450-460	0.02	0.013	L0.005						
148		460-470	0.12	0.018							
149		470-480	0.08	0.017	0.005						
150		480-490	0.10	0.030							
151		490-500	0.14	0.013							
152		500-510	0.11	0.015	0.005						
153		510-520	0.09	0.017							
154		520-530	0.03	0.016							
155		530-540	0.04	0.019	L0.005						
156		540-550	0.04	0.011							
157		550-560	0.02	0.026							
158		560-570	0.02	0.006	L0.005						
159		570-580	0.06	0.020							
160		580-590	0.07	0.014							
161		590-600	0.05	0.019	L0.005						

PROJECT NAME:
MOUNT NANSEN

DDH CD-5
Page 1

Date: June (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
162	CD-5	19- 30	L0.01	L0.003	L0.005						
163		30- 40	0.01	L0.003							
164		40- 50	0.01	L0.003							
165		50- 60	0.01	L0.003	L0.005						
166		60- 70	L0.01	L0.003							
167		70- 80	0.01	L0.003							
168		80- 90	0.01	L0.003	0.005						
169		90-100	0.01	L0.003							
170		100-110	0.01	L0.003							
171		110-120	0.01	L0.003	L0.005						
172		120-130	0.01	L0.003							
173		130-140	L0.01	L0.003							
174		140-150	0.01	L0.003	L0.005						
175		150-155	0.01	L0.003							
176		155-160	0.01	L0.003							
177	Sludge	150-160	0.01	L0.003							
178	"	160-170	0.01	L0.003							
179	"	170-180	0.02	L0.003							
180	"	180-190	0.01	L0.003							
181	"	190-200	0.01	L0.003	L0.005						
182	"	200-210	0.01	L0.003							
183	"	210-220	0.01	L0.003							
184		160-170	0.01	L0.003	L0.005						
185		170-180	0.02	L0.003							
186		180-190	0.01	L0.003							
187		190-200									
188		200-210									
189		210-220	L0.01	L0.003	L0.005						
190		220-230	L0.01	L0.003							
191		230-240	0.01	L0.003							
192		240-250	0.01	L0.003	L0.005						
193		250-260	0.01	L0.003							
194		260-270	0.01	L0.003							
195		270-280	0.01	L0.003	L0.005						
196		280-290	0.01	L0.003							
197		290-300	0.01	L0.003							
198		300-310	0.02	L0.003	0.005						
199		310-320	0.02	L0.003							
200		320-330	0.01	L0.003							

PROJECT NAME: MOUNT NANSEN

DDH CD-5

Page 2

Date: June (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
201	CD-5	330-340	0.01	L0.003	L0.005						
202		340-350	0.02	L0.003							
203		350-360	0.01	L0.003							
204		360-370	0.01	L0.003	L0.005						
205		370-380	0.01	L0.003							
206		380-390	L0.01	L0.003							
207		390-400	0.01	L0.003	L0.005						
208		400-410	L0.01	L0.003							
209		410-420	L0.01	L0.003							
210		420-430	0.01	L0.003	L0.005						
211		430-440	0.01	L0.003							
212		440-450	0.01	L0.003							
213		450-460	L0.01	L0.003	L0.005						
214		460-470	L0.01	L0.003							
215		470-480	L0.01	L0.003							
216		480-490	L0.01	L0.003	L0.005						
217		490-500	L0.01	L0.003							
218		500-510	0.01	L0.003							
219		510-520	0.01	L0.003	L0.005						
220		520-530	0.01	L0.003							
221		530-540	0.01	L0.003							
222		540-550	0.01	L0.003	L0.005						
223		550-560	0.02	L0.003							
224		560-570	0.04	L0.003							
225		570-580	0.02	L0.003	L0.005						
226		580-590	0.02	L0.003							
227		590-600	0.02	L0.003	L0.005						

PROJECT NAME: MOUNT NANSEN

DDH CD-6
Page 1

Date: July (Month) 1972 (Year)

SSAY AG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
228	CD-6	20- 30	L0.01	L0.003	0.005						
229		30- 40	L0.01	L0.003	0.01						
230		40- 50	0.01	L0.003	0.005						
231		50- 60	0.01	L0.003	Trace						
232		60- 70	0.01	L0.003	0.05						
233		70- 80	0.01	L0.003	0.02						
234		80- 90	0.01	L0.003	Trace						
235		90-100	L0.01	L0.003	0.005						
236		100-110	L0.01	L0.003	0.005						
237		110-120	L0.01	L0.003	0.005						
238		120-130	L0.01	L0.003	0.005						
239		130-140	L0.01	L0.003	0.005						
240		140-150	0.01	L0.003	0.01						
241		150-160	0.02	L0.003	0.02						
242		160-170	0.02	L0.003	0.02						
243		170-180	0.01	L0.003	0.005						
244		180-190	0.01	L0.003	0.005						
245		190-200	0.01	L0.003	0.005						
246		200-210	0.01	L0.003							
247		210-220	0.01	L0.003							
248		220-230	0.01	L0.003	L0.005						
249		230-240	0.01	L0.003							
250		240-250	L0.01	L0.003							
251		250-260	0.01	L0.003	L0.005						
252		260-270	0.02	L0.003							
253		270-280	0.01	L0.003							
254		280-290	0.01	L0.003	L0.005						
255		290-300	0.01	L0.003							
256		300-310	0.01	L0.003							
257		310-320	0.01	L0.003	L0.005						
258		320-330	L0.01	L0.003							
259		330-340	L0.01	L0.003							
260		340-350	0.02	L0.003	L0.005						
261		350-360	0.01	L0.003	L0.005						
262		360-370	0.02	L0.003							
263		370-380	0.02	L0.003							
264		380-390	0.01	L0.003	L0.005						
265		390-400	0.01	L0.003							
266		400-410	0.01	L0.003							

PROJECT NAME: DDH CD-6 Date: July 1972
Month Year

MOUNT NANSEN

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
267	CD-6	410-420	0.01	L0.003	L0.005						
268		420-430	0.01	L0.003							
269		430-440	0.01	L0.003							
270		440-450	0.06	L0.003	0.005						
271		450-460	0.04	L0.003							
272		460-470	0.03	L0.003	L0.005						
273		470-480	L0.01	L0.003							
274		480-490	0.01	L0.003							
275		490-500	0.02	L0.003	0.005						
276		500-510	0.01	L0.003							
277		510-520	0.02	L0.003							
278		520-530	0.02	L0.003	L0.005						
279		530-540	0.02	L0.003							
280		540-550	0.01	L0.003							
281		550-560	0.06	L0.003	0.005						
282		560-570	0.01	L0.003							
283		570-580	0.02	L0.003							
284		580-590	0.01	L0.003	L0.005						
285		590-600	0.01	L0.003							
286		600-612	0.01	L0.003	L0.005						

PROJECT NAME:

MOUNT NANSEN

DDH CD-7

Page 1

Date: July (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
287	CD-7	21- 30	0.02	L0.003	L0.005						
288		30- 40	0.02	L0.003							
289		40- 50	0.01	L0.003							
290		50- 60	0.02	L0.003	L0.005						
291		60- 70	0.02	L0.003							
292		70- 80	0.02	L0.003							
293		80- 90	0.03	L0.003	L0.005						
294		90-100	0.03	L0.003							
295		100-110	0.03	L0.003							
296		110-120	0.03	L0.003	L0.005						
297		120-130	0.03	L0.003							
298		130-140	0.03	L0.003							
299		140-160	0.02	L0.003	L0.005						
300		160-170	0.02	L0.003							
301		170-180	0.02	L0.003	L0.005						
302		180-190	0.03	L0.003							
303		190-200	0.02	L0.003							
304		200-210	0.06	L0.003	L0.005						
305		210-220	0.01	L0.003							
306		220-230	0.02	L0.003							
307		230-240	0.15	L0.003	0.005						
308		240-250	0.03	L0.003							
309		250-260	0.03	L0.003							
310		260-270	0.04	L0.003	L0.005						
311		270-280	0.05	L0.003							
312		280-330	0.02	L0.003							
313		330-340	0.01	L0.003							
314		340-350	0.02	L0.003	L0.005						
315		350-360	0.04	L0.003							
316		360-370	0.04	L0.003							
317		370-380	0.03	L0.003	L0.005						
318		380-390	0.03	L0.003							
319		390-400	0.03	L0.003	L0.005						
320		400-410	0.03	L0.003							
321		410-420	0.02	L0.003							
322		420-430	0.02	L0.003	L0.005						
323		430-440	0.01	L0.003							
324		440-450	0.04	L0.003							
325		450-460	0.03	L0.003	L0.005						

PROJECT NAME: MOUNT NANSEN

DDH CD-7

Date: July (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au			Check Assays (Chemex) Cu			P.O.
326	CD-7	460-470	0.02	L0.003							
327		470-480	L0.01	L0.003							
328		480-490	0.01	L0.003	L0.005						
329		490-500	0.02	L0.003							
551	Sludge	140-150	0.02	L0.003	0.005			0.01			
552		150-160	0.02	L0.003				0.02			
553		300-310	0.02	L0.003				0.02			
554		310-320	0.05	L0.003	0.005			0.05			
555		320-330	0.03	L0.003				0.02			

PROJECT NAME: MOUNT NANSEN

DDH CD-8
Page 1

Date: July (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
330	CD-8	10- 20	0.02	L0.003	L0.005						
331		20- 30	0.02	L0.003							
332		30- 40	0.02	L0.003							
333		40- 50	0.02	L0.003	L0.005						
334		50- 60	0.02	L0.003							
335		60- 70	0.03	L0.003							
336		70- 80	0.02	L0.003	L0.005						
337		80- 90	0.02	L0.003							
338		90-100	0.03	L0.003							
339		100-110	0.02	L0.003	L0.005						
340		110-120	0.02	L0.003							
341		120-130	0.04	L0.003							
342		130-140	0.05	L0.003	L0.005						
343		140-150	0.03	L0.003							
344		150-160	0.05	L0.003							
345		160-170	0.03	L0.003	L0.005						
346		170-180	0.04	L0.003							
347		180-190	0.05	L0.003							
348		190-200	0.02	L0.003	L0.005						
349		200-210	0.03	L0.003							
350		210-220	0.03	L0.003							
351		220-230	0.01	L0.003	L0.005						
352		230-240	0.02	L0.003							
353		240-250	0.03	L0.003							
354		250-260	0.04	L0.003	L0.005						
355		260-270	0.05	L0.003							
356		270-280	0.04	L0.003							
357		280-290	0.05	L0.003	L0.005						
358		290-300	0.02	L0.003							
359		300-310	0.03	L0.003							
360		310-320	0.06	L0.003	L0.005						
361		320-330	0.03	L0.003							
362		330-340	0.03	L0.003							
363		340-350	0.03	L0.003	L0.005						
364		350-360	0.02	L0.003							
365		360-370	0.02	L0.003							
366		370-380	0.03	L0.003	L0.005						

PROJECT NAME: DDH CD 8 Date: July 1972
MOUNT NANSEN Page 2 Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au	P.O.
367	CD-8	380-390	0.02	L0.003		
368		390-400	0.02	L0.003		
369		400-410	0.02	L0.003		
370		410-420	0.09	L0.003	0.005	
371		420-430	0.01	L0.003		
372		430-440	0.02	L0.003		
373		440-450	0.01	L0.003	L0.005	
374		450-460	0.02	L0.003	L0.005	
375		460-470	0.02	L0.003		
4351		470-480	0.03	L0.003		
4352		480-490	0.01	L0.003	L0.005	
4353		490-500	0.01	L0.003		
4354		500-510	0.01	L0.003		
4355		510-520	0.02	L0.003	L0.005	
4356		520-530	0.02	L0.003		
4357		530-540	0.01	L0.003		
4358		540-550	0.01	L0.003	L0.005	
4359		550-560	0.01	L0.003		
4360		560-570	0.06	L0.003		
4361		570-580	0.02	L0.003	L0.005	
4362		580-590	0.03	L0.003		
4363		590-600	0.01	L0.003		
4364		600-610	0.01	L0.003	L0.005	
4365		610-620	0.04	L0.003		
4366		620-630	0.04	L0.003		
4367		630-640	0.03	L0.003	L0.005	
4368		640-650	0.04	L0.003		
4369		650-660	0.04	L0.003		
4370		660-670	0.03	L0.003	L0.005	
4371		670-680	0.02	L0.003		
4372		680-690	0.03	L0.003		
4373		690-700	0.02	L0.003	L0.005	
4374		700-710	0.02	L0.003		
4375		710-720	0.03	L0.003		
4376		720-730	0.02	L0.003	L0.005	
4377		730-740	0.02	L0.003		
4378		740-750	0.01	L0.003		
4379		750-760	0.01	L0.003	L0.005	

PROJECT NAME: DDH CD-8 Date: July 1972
Month Year

MOUNT NANSEN Page 3

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au					P.O.
4380	CD-8	760-770	0.02	L0.003						
4381		770-780	0.01	L0.003						
4382		780-790	0.01	L0.003	L0.005					
4383		790-800	0.01	L0.003						
4384		800-810	0.01	L0.003						
4385		810-820	L0.01	L0.003	L0.005					
4386		820-830	L0.01	L0.003						
4387		830-840	0.02	L0.003						
4388		840-850	0.01	L0.003	L0.005					

PROJECT NAME: MOUNT NANSEN

DDH CD-9
Page 1

Date: July 1972
Month Year

Check Assays (Chemex)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au			Cu			P.O.
4389	CD-9	10- 20	0.02	L0.003	L0.005						
4390		20- 30	0.01	L0.003							
4391		30- 40	0.01	L0.003							
4392		40- 50	0.01	L0.003	L0.005						
4393		50- 60	0.01	L0.003							
4394		60- 70	0.01	L0.003							
4395		70- 80	0.02	L0.003	L0.005						
4396		80- 90	0.05	L0.003							
4397		90-100	0.03	L0.003							
4398		100-110	0.04	0.006	L0.005						
4399		110-120	0.02	0.004							
4400		120-130	0.01	0.004							
526		130-140	0.01	0.003	L0.005						
527		140-150	0.01	0.003							
528		150-160	0.01	0.005							
529		160=170	0.07	L0.003	0.005						
530		170-180	0.01	0.008							
531		180-190	0.05	L0.003							
532		190-200	0.04	L0.003	L0.005						
533		200-210	0.05	L0.003							
534		210-220	0.07	L0.003				0.06			
535		220-230	0.05	0.027	L0.005			0.05			
536		230-240	0.05	0.022				0.05			
537		240-250	0.09	0.004	L0.005			0.09			
538		250-260	0.20	L0.003	L0.005			0.20			
539		260-270	0.13	L0.003	L0.005			0.13			
540		270-280	0.12	L0.003	L0.005			0.12			
541		280-290	0.10	L0.003	L0.005			0.10			
542		290-300	0.09	L0.003	L0.005			0.09			
543		300-310	0.08	L0.003	L0.005			0.09			
544		310-320	0.02	L0.003	L0.005			0.02			
545		320-330	0.12	L0.003	L0.005			0.13			
546		330-340	0.03	0.003				0.03			
547		340-350	0.03	0.019				0.03			
548		350-360	0.04	0.031	L0.005			0.04			
549		360-370	0.01	0.026	L0.005			0.01			
550		370-380	0.17	0.031	L0.005			0.17			

PROJECT NAME:

MOUNT NANSEN

DDH CD-9

Page 2

Date: July (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au			Cu			P.O.
								Check Assays (Chemex)			
556	CD-9	380-390	0.25	0.024	L0.005			0.26			
557		390-400	0.15	0.023	L0.005			0.15			
558		400-410	0.08	0.005	L0.005			0.08			
559		410-420	0.09	0.003				0.09			
560		420-430	0.05	0.007				0.05			
561		430-440	0.04	L0.003	L0.005			0.03			
562		440-450	0.02	L0.003				0.02			
563		450-460	0.04	0.004							
564		460-470	0.02	0.004	L0.005						
565		470-480	0.01	0.012							
566		480-490	0.01	0.011							
567		490-500	0.01	0.006	L0.005						
568		500-510	0.01	0.012							
569		510-520	0.01	0.010							
570		520-530	0.02	0.018	L0.005						
571		530-540	0.01	0.026							
572		540-550	0.01	0.027							
573		550-560	0.02	0.036	L0.005						
574		560-570	0.02	0.014							
575		570-580	0.03	0.009							
826		580-590	0.01	0.005	L0.005						
827		590-600	0.02	0.010							
828		600-610	0.02	0.010							
829		610-620	0.03	0.006	L0.005						
830		620-630	0.04	0.004							
831		630-640	0.03	0.008							
832		640-650	0.01	0.008	L0.005						
833		650-660	0.04	0.007							
834		660-670	0.01	0.013							
835		670-680	0.03	0.007	L0.005						
836		680-690	0.01	0.010							
837		690-700	0.01	0.011							
838		700-710	0.01	0.011	L0.005						
839		710-720	0.02	0.007							
840		720-730	0.01	0.013							
841		730-740	0.02	0.008	L0.005						
842		740-750	0.01	L0.003							
843		750-760	0.03	0.004							

PROJECT NAME: MOUNT NANSEN

DDH CD-9

Date: July (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
844	CD-9 Sludge	250-260	0.12	0.003							
845		270-280	0.08	L0.003							
846		280-290	0.07	0.004							
847		290-300	0.07	0.003							
848		300-310	0.08	0.003							
849		310-320	0.05	0.003							
850		320-330	0.09	0.003							
851		330-340	0.04	0.003							
852		340-350	0.04	0.007							
853		350-360	0.05	0.010							
854		360-370	0.04	0.016							
855		370-380	0.13	0.013							
856		380-390	0.23	0.010							
857		390-400	0.13	0.006							
858		400-410	0.08	0.005							
859		410-420	0.07	0.006							
860		420-430	0.05	0.004							
861		430-440	0.02	L0.003							
862		460-470	0.03	0.004							
863		470-480	0.01	0.007							
864		480-490	0.01	0.010							
865		490-500	0.01	0.003							
866		500-510	0.01	0.003							
867	Core	750-760	0.01	0.003							
868		760-770	0.01	L0.003	L0.005						
869		770-780	0.01	0.003							
870		780-790	0.01	0.010							
871		790-800	0.01	0.008	L0.005						
872		800-810	0.02	0.022							
873		810-820	0.01	0.005							
874		820-830	0.01	L0.003	L0.005						
875		830-840	0.01	L0.003							
876		840-850	0.01	0.007							
877		850-860	0.03	0.008	L0.005						
878		860-870	0.02	0.003							
879		870-880	0.02	L0.003							
880		880-890	0.03	L0.003	L0.005						
881		890-900	0.01	L0.003							

PROJECT NAME: DDh CD-10 Date: July 1972
MOUNT NANSEN Page 1 Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
882	CD-10	12- 20	0.04	L0.003	L0.005						
883		20- 30	0.01	L0.003							
884		30- 40	0.01	L0.003							
885		40- 50	0.02	L0.003	L0.005						
886		50- 60	0.02	L0.003							
887		60- 70	0.02	L0.003							
888		70- 80	0.01	L0.003	L0.005						
889		80- 90	0.01	L0.003							
890		90-100	0.01	L0.003							
891		100-110	0.01	L0.003	L0.005						
892		110-120	0.01	L0.003							
893		120-130	0.01	L0.003							
894		130-140	L0.01	L0.003	L0.005						
895		140-150	0.01	L0.003							
896		150-160	0.04	L0.003							
897		160-170	0.01	L0.003	L0.005						
898		170-180	0.01	L0.003							
899		180-190	L0.01	L0.003							
900		190-200	L0.01	L0.003	L0.005						
901		200-210	L0.01	L0.003							
902		210-220	L0.01	L0.003							
903		220-230	L0.01	L0.003	L0.005						
904		230-240	L0.01	L0.003							
905		240-250	L0.01	L0.003							
906		250-260	L0.01	L0.003	L0.005						
907		260-270	0.01	L0.003							
908		270-280	L0.01	L0.003							
909		280-290	L0.01	L0.003	L0.005						
910		290-300	L0.01	L0.003							
911		300-310	L0.01	L0.003							
912		310-320	L0.01	L0.003	L0.005						
913		320-330	L0.01	L0.003							
914		330-340	0.01	L0.003							
915		340-350	0.01	L0.003	L0.005						
916		350-360	L0.01	L0.003							
917		360-370	L0.01	L0.003							
918		370-380	L0.01	L0.003	L0.005						
919		380-390	L0.01	L0.003							
920		390-400	L0.01	L0.003							

PROJECT NAME: MOUNT NANSEN

DDH CD-10
Page 2

Date: August (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
921	CD-10	400-410	L0.01	L0.003	L0.005						
922		410-420	L0.01	L0.003							
923		420-430	0.01	L0.003							
924		430-440	0.01	L0.003	L0.005						
925		440-450	L0.01	L0.003							
926		450-460	L0.01	L0.003							
927		460-470	0.03	L0.003	L0.005						
928		470-480	0.01	L0.003							
929		480-490	L0.01	L0.003							
930		490-500	L0.01	L0.003	L0.005						
931		500-510	0.01	L0.003							
932		510-520	L0.01	L0.003							
933		520-530	0.01	L0.003	L0.005						
934		530-540	0.01	L0.003							
935		540-550	0.01	L0.003							
936		550-560	L0.01	L0.003	L0.005						
937		560-570	L0.01	L0.003							
938		570-580	L0.01	L0.003							
939		580-590	L0.01	L0.003	L0.005						
940		590-600	L0.01	L0.003							

PROJECT NAME: DDH CD-11 Date: August 1972
Month Year

MOUNT NANSEN

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au	Ag					P.O.
951	CD-11	100-110									
952		110-120									
953		120-130									
954		130-135									
955		135-140									
956		140-150									
957		150-160									
958		160-170									
959		170-175									
960		175-180									
961		180-185	0.01		0.005	0.02					
962		185-190									
963		190-195									
964		195-200									
965		200-205									
966		205-210									
967		210-215									
968		215-220									
969		220-230									
970		230-240									
971		240-250									
972		250-260									
973		260-270									
974		270-275									
975		275-280									

PROJECT NAME: MOUNT NANSEN

DDH CD-13

Date: October (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
11026	CD-13	90-100	0.05	0.002	Tr						
11027		100-110	0.12	0.004							
11028		110-120	0.15	0.006	0.01						
11029		120-130	0.08	0.008							
11030		130-140	0.10	0.003	0.005						
11031		140-150	0.09	0.004							
11032		150-160	0.10	0.006	0.005						
11033		160-170	0.09	0.002							
11034		170-180	0.07	0.003	Tr						
11035		180-190	0.08	0.002							
11036		190-200	0.09	0.002	0.005						
11037		200-210	0.08	0.001							
11038		210-220	0.12	0.007	0.005						
11039		220-230	0.10	0.017							
11040		230-240	0.07	0.002	Tr						
11041		240-250	0.11	0.002							
11042		250-260	0.13	0.007	Tr						
11043		260-270	0.09	0.002							
11044		270-280	0.10	0.002	Tr						
11045		280-290	0.08	0.004							
11046		290-300	0.07	0.005	Tr						
11047		300-310	0.09	0.019							
11048		310-320	0.08	0.002	0.01						
11049		320-330	0.07	0.003							
11050		330-340	0.07	0.004	0.005						
11051		340-350	0.15	0.002							
11052		350-360	0.18	0.002	0.005						
11053		360-370	0.08	0.010							
11054		370-380	0.08	0.002	Tr						
11055		380-390	0.07	0.002							
11056		390-400	0.11	0.019	0.005						
11057		400-410	0.16	0.002							
11058		410-420	0.15	0.019	0.005						
11059		420-430	0.12	0.009							
11060		430-440	0.10	0.010	0.005						
11061		440-450	0.09	0.016							
11062		450-460	0.12	0.007	0.005						
11063		460-470	0.11	0.005							
11064		470-480	0.15	0.004	0.005						

PROJECT NAME: MOUNT NANSEN

DDH CD-13

Date: October (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
11065	CD-13	480-490	0.07	0.011							
11066		490-500	0.07	0.011	Tr						
11067		500-510	0.10	0.003							
11068		510-520	0.06	0.017	Tr						
10109	Sludge	110-120	0.13	0.006							
10110		120-130	0.12	0.007							
10111		130-140	0.09	0.011							
10112		140-150	0.08	0.019							
10113		150-160	0.08	0.016							
10114		160-170	0.09	0.013							
10115		170-180	0.10	0.011							
10116		180-190	0.09	0.008							
10117		190-200	0.10	0.004							
10118		200-210	0.11	0.004							
10119		210-220	0.11	0.010							
10120		220-230	0.11	0.023							
10121		230-240	0.08	0.012							
10122		240-250	0.11	0.002							

PROJECT NAME:
MOUNT NANSEN

DDH CD-14

Date: October (Month) 1972 (Year)

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
11069	CD-14	100-110	0.03	0.001							
11070		110-120	0.03	0.001	0.005						
11071		120-130	0.05	0.001							
11072		130-140	0.02	0.001	Tr						
11073		140-150	0.02	0.001							
11074		150-160	0.02	0.001	Tr						
11075		160-170	0.02	0.001							
11076		170-180	0.02	0.001	Tr						
11077		180-190	0.05	0.001							
11078		190-200	0.03	0.001	0.005						
11079		200-210	0.02	0.001							
11080		210-220	0.02	0.001	0.005						
11081		220-230	0.02	Tr							
11082		230-240	0.02	0.001	Tr						
11083		240-250	0.02	Tr	.						
11084		250-260	0.06	0.001	0.005						
11085		260-270	0.02	0.001							
11086		270-280	0.02	Tr	Tr						
11087		280-290	0.02	0.001							
11088		290-300	0.01	0.001	Tr						
11089		300-310	0.01	0.001							
11090		310-320	0.02	0.001	0.005						
11091		320-330	0.03	0.001							
11092		330-340	0.01	0.001	0.005						
11093		340-350	0.03	0.001							
11094		350-360	0.04	0.001	Tr						
11095		360-370	0.04	0.002							
11096		370-380	0.02	0.001	Tr						
11097		380-390	0.02	0.001							
11098		390-400	0.01	0.001	Tr						
11099		400-410	0.01	0.001							
11100		410-420	0.01	Tr	Tr						
10101		420-430	0.01	0.001							
10102		430-440	0.02	0.001	0.005						
10103		440-450	0.01	0.001							
10104		450-460	0.01	0.001	Tr						
10105		460-470	0.02	0.001							
10106		470-480	0.03	0.001	Tr						

PROJECT NAME:
MOUNT NANSEN

DDH CD-14

Date: October 1972
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au					P.O.
10107	CD-14	480-490	NO SAMPLE							
10108		490-502	0.02	0.001	0.005					

COLLAR

North 224+00
XXXX West - 208+00
Elevation 4125'
Azimuth 045°
Dip -45°
Logged By Ian Turnbull

ARLA EXPLORATION CORPORATION LTD.
MT. NANSEN PROJECT

BQ Core; contractors E. Caron Diamond Drilling Ltd., Whitehorse, Y.T.

Hole No. CD-1
Commenced 25 August, 1971
Finished 30 September, 1971
Purpose Of Hole to test Cu, Mo, geochem anomaly

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	%Mo	% Rec.	ACCUMULATIVE AVERAGES AU W	AG W	CU W
0	19.5	No recovery.									0			
19.5	37	Fragmented recovery of weathered and altered pale grey quartz cemented breccia. Feldspars in part altered to kaolin and other material.	19.5	30	10.5	505	Tr		.01	<.003	85			
		FeO staining and lesser manganese stain and dendritic growths on fracture faces. 1-2% pyrite disseminated through core, plus rare chalcopyrite.	30	40	10	506	Tr		.02	<.003				
37	50.5	More competant and less altered siliceous breccia. Bx. blocks range from 1 mm - 2 cm with occasional xenoliths (5cm.) pale grey-green feldspar porphyry. Disseminated and cluster of pyrite x/ls, plus rare chalcopyrite Stained fracture faces with locally more intense alteration.	40	50	10	507	Tr		.03	<.003	100			
50.5	66	Moderate recovery of completely shattered section of altered breccia. Extensive FeO stain on fragments. Fine grained pyrite disseminated and replacing quartz exes. Slickensiding evident at 65'.	50	60	10	508	Tr		.03	<.003	70			
			60	70	10	509	Tr		.01	<.003				
66	73	Broken white and friable totally altered chalky material, 1-2% disseminated, very fine crystals pyrite.												
73	91	Well altered white and pale green breccia feldspars converted to soft clayey material.	70	80	10	510	Tr		<.01	<.003	70			

COLLAR

North_____
East_____
Elevation_____
Azimuth_____
Dip_____
Logged By_____

MT. NANSEN PROJECT

Hole No. CD-1
Commenced_____
Finished_____
Purpose Of Hole_____

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	CORE LENGTH ACC WIDTH	CORE LENGTH SAMPLE NO.	ASSAYS AU OZ.	ASSAYS AG OZ.	ASSAYS % CU	ASSAYS % Mo	% REC	ACCUMULATIVE AVERAGES AU W	AG W	CU W
		Possible increase in size of breccia blocks to +2 cm. 1/2" black clay shear(?) at 88' FeO stain on fracture faces and pyrite and minor chalcopyrite occurs as fracture filling, greater sulphide mineralization in haloes around fractures. Occasional microscopic black and dark grey particles-probably chalcocite.	80	90	10	511	Tr	<.01	<.003					
91	129	Argillized and partly brecciated quartz-feldspar porphyry, pale grey-white. Good recovery of 6" sections. Pyrite on minor 45° shear faces and as disseminated crystals 2-5%, rare chalcopyrite and microscopic chalcocite or bornite(?) at 111' - 1/16" fracture with K-feldspar galena, sphalerite, minor chalcopyrite.									95			
			90	100	10	512	Tr	<.01	<.003					
			100	110	10	513	Tr	<.01	<.003					
			110	120	10	514	Tr	.01	<.003					
			120	130	10	515	Tr	.07	<.003					
129	144	As above, but core fragmented and very friable At 130.5 seam of black clayey gouge material.	130	140	10	516	Tr	<.01	<.003		60			
144	160	Argillized and shattered grey porphyry breccia, minor sections recovered as sandy particles. Pyrite disseminated and in fractures for 2%, copper sulphides appear absent.									80			
			140	150	10	517	Tr	<.01	<.003					
			150	160	10	518	Tr	.07	<.003					
160	167	Altered feldspar porphyry - apparently unbrecciated. Inclusion (?)	160	170	10	519	Tr	<.01	<.003		70			

COLLAR
North
East
Elevation
Azimuth
Dip
Logged By

MT. NANSEN PROJECT

Hole No. CD-1
Commenced
Finished
Purpose Of Hole

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	% Mo	% REC	ACCUMULATIVE AVERAGES AU W	AG W	CU W
167	189	Fragmented recovery of less intensely	170	180	10	520	Tr		<.01	<.003	70			
		altered and more silicious breccia. Pyrite	180	190	10	521	Tr		<.01	<.003				
		as before. 172-173.5 lost.												
189	208	Coarsely brecciated feldspar porphyry as												
		above. Regular narrow clay bands in 45°	190	200	10	522	Tr		.01	<.003				
		shears(?). Pyrite concentrated around	200	210	10	523	Tr		<.01	<.003				
		angular breccia blocks, and disseminated.												
		Occasional calcite on fracture faces.												
208	236	Extremely broken and crumbly core, 1/2"-1"	210	220	10	524	Tr		<.01	<.003	85			
		sections. at 218' quartz-feldspar porphyry.												
		Rest of core is a microbreccia(?). Bx has	220	230	10	525	Tr		<.01	<.003				
		been sheared, fracture planes at 45°, planes												
		chloritized and calcic. Some relic hornblende												
		Xls. Occasional unaltered pink feldspar									80			
		xls. Pyrite disseminated throughout and in	230	240	10	751	Tr		.01	<.003				
		shear. Alteration to clay and minor sericite.												
236	273	Fragmented recovery of sand and pebble sized	240	250	10	752	Tr		<.01	<.003	80			
		particles of altered porphyry, with very	240	250	10	771	Tr		.01	<.003				
		occasional 2" sections of core. Pyrite												
		generally leached out. At 248-253 and 269-273	250	260	10	753	Tr		.01	<.003				
		sand recovered with specks of limonite.	260	270	10	754	Tr		.01	<.003				
		Sludges collected.												
273	290	Relatively competant section of quartz feldspar	270	280	10	755	Tr		.01	<.003	90			
		porphyry. Large feldspar lathes completely												
		kaolinized, other occasional feldspars												

COLLAR
North
East
Elevation
Azimuth
Dip
Logged By

MT. NANSEN PROJECT

Hole No. CD-1
Commenced
Finished
Purpose Of Hole

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	% Mo	% REC	ACCUMULATIVE AVERAGES AU W	AG W	CU W
		altered to biotite and minor sericite micas.	280	290	10	756	Tr		<.01	<.003				
		Pyrite disseminated for approximately 1%.												
290	296	Sludge collected for section of sand and FeO	290	300	10	757	Tr		<.01	<.003	40			
		particles												
296	320	Pebbley fragments of highly altered porphyry.	300	310	10	758	Tr		<.01	<.003	50			
		Occasional black clay seams.	310	320	10	759	Tr		<.01	<.003				
320	336	Competant sections of core, of pale grey and	320	330	10	760	Tr		<.01	<.003	90			
		white speckled quartz feldspar porphyry.	330	340	10	761	Tr		.01	<.003				
		Feldspars altered to white crumbly clay. Dis.	330	340	10	772	Tr		.02	<.003				
		pyrite 1-2%												
336	362	Sheared or fault zone. Poor recovery of dark	340	350	10	762	Tr		.04	<.003	60			
		grey clay and gouge material plus brecciated	340	350	10	773	Tr		.02	<.003				
		rock fragments. Talc alteration, pyrite as												
		above, slickensiding. No recovery 339.5-	350	360	10	763	Tr		.04	<.003				
		343.	350	360	10	774	Tr		.02	.003				
362	386	Pale grey and greenish fine grained rhyolitic(?)	360	370	10	764	Tr		.04	<.003	100			
		rock, occasional feldspar phenocrysts	360	370	10	775	Tr		.02	<.003				
		Minor clay and talcose alteration fractures at	370	380	10	765	Tr		.02	<.003				
		45° with pyrite.	370	380	10	776	Tr		.02	<.003				
386	399	Feldspar porphyry, some argillite alteration	380	390	10	766	Tr		.04	<.003	100			
		minor sericite on fracture faces. Pyrite	380	390	10	777	Tr		.03	<.003				
		increase, concentrated in fractures with												
		minor chalcopyrite. Rare chrysocolla and	390	400	10	767	Tr		.13	<.003				
		chalcocite.												

COLLAR.
North
East
Elevation
Azimuth
Dip
Logged By

MT. NANSEN PROJECT

Hole No. CD-1
Commenced
Finished
Purpose Of Hole

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	% Mo	% REC	ACCUMULATIVE AVERAGES AU W	AG W	CU W
399	413	Coarsely brecciated and erratically altered									95			
		feldspar porphyry. Occasional clay and gouge	400	410	10	768	Tr		.06	<.003				
		material, resilicified in part. No Cu minerals												
		evident.												
413	440	Competant altered feldspar porphyry; fractures									100			
		silicified and carrying pyrite and minor	410	420	10	769	Tr		.05	.003				
		chalcopyrite, also rarely disseminated												
		gradational textural change in parts to rhyolitic	420	430	10	770	Tr		.07	.003				
		rock - probably deuteric and not a dyke												
		association. Microscopic chalcocite x/ls.,	430	440	10	778	Tr		.09	.003				
		usually with quartz veinlets.												
440	477	As above, but more continuous fine grained	440	450	10	779	Tr		.05	.003	100			
		siliceous sections with either remnant feldspar	450	460	10	780	Tr		.05	<.003				
		structures or complete alteration and absence												
		of feldspars. 1-2% pyrite disseminated and on	460	470	10	781	Tr		.05	<.003				
		fractures faces with minor chalcopyrite.												
		Chalcocite occasionally visible with the naked	470	480	10	782	Tr		.06	<.003				
		eye. This is probably a chill phase or margin.												
477	510	Sharp intensive contact with a fresh medium												
		grained grey speckled hornblende granodiorite.	480	490	10	783	Tr		.11	<.003				
		Pyrite disseminated and in hairline fractures for	490	500	10	784	Tr		.09	<.003				
		1-2% as before, but increased chalcopyrite												
		mineralization - visual estimate 0.25%.	500	510	10	785	Tr		.14	<.003				
		Occasional supergene Cu minerals. Feldspar												
		porphyry inclusion 481.5-483. Mafic minerals												
		15%.												

COLLAR
North
East
Elevation
Azimuth
Dip
Logged By

Hole No. CD-1
Commenced
Finished
Purpose Of Hole

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	ASSAYS AG OZ.	ASSAYS % CU	ASSAYS %Mo	ASSAYS % Rec	ACCUMULATIVE AVERAGES AU W	ACCUMULATIVE AVERAGES AG W	ACCUMULATIVE AVERAGES CU W
510	511.5	Altered feldspar porphyry inclusion	510	520	10	786	Tr		.11	.003	100			
511.5	575	Competent homogeneous granodiorite. The	520	530	10	787	Tr		.11	.003				
		intrusive has been well fractured and rehealed.	530	540	10	788	Tr		.11	.003	100			
		Copper sulphide mineralization as before,	540	550	10	789	Tr		.14	.003				
		supergene minerals absent. Weak chloritiz-	550	560	10	790	Tr		.14	.004				
		ation of hornblende, some calcic material in	560	570	10	791	Tr		0.10	.003				
		fractures.												
575	581	Pale green speckled quartz feldspar porphyry,	570	580	10	792	Tr		0.11	.003	100			
		pervasive feldspar alteration. Chalcopyrite												
		rare.												
581	587	Fragmented recovery of hard silicious	580	590	10	793	Tr		0.09	.004	100			
		intrusive rock, mafics in part chloritized.												
		This section may be either a porphyritic and												
		altered margin of the granodiorite or												
		silicified zone of the feldspar porphyry,												
		mineralized as above.												
587	606	Grey and white speckled altered feldspar	590	600	10	794	Tr		0.10	.003	100			
		porphyry. Gradational silicified contact with												
		above. Decrease in % chalcopyrite.	600	610	10	795	Tr		0.13	.003				
606	629	Homogeneous hornblende granodiorite, as	610	620	10	796	Tr		0.12	.003	100			
		before - disseminated pyrite and minor												
		chalcopyrite.	620	630	10	797	Tr		0.10	.003				
629	641	Grey and white speckled porphyry. 1" massive	630	640	10	798	Tr		0.13	.003	100			
		pyrite and chalcopyrite at 641 but												
		disseminated chalcopyrite rare.												

COLLAR
North
East
Elevation
Azimuth
Dip
Logged By

MT. NANSEN PROJECT

Hole No. CD-1
Commenced
Finished
Purpose Of Hole

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	%Mo	% REC	ACCUMULATIVE AVERAGES AU W	AG W	CU W
641	665.5	Hard competent section of hornblende granodiorite which has been extensively fractured, and silicified, massive pyrite mineralization occuring within these fractures. Chalcopyrite is extensively disseminated throughout the core, visual gestimate of grade at 0.40%. Occasional blebs chalcocite with the late quartz	640	650	10	799	Tr		0.26	.006	100			
			650	660	10	800	Tr		0.33	.003				
			660	670	10	801	Tr		0.16	<.003				
665.5	702	Homogeneous unaltered hornblende granodiorite, slight apparent decrease in copper mineralization. Altered feldspar porphyry inclusions(?) at 667-668, 670-671, 676-677, 686-686.5	670	680	10	802	Tr		0.14	<.003	100			
			680	690	10	803	Tr		0.15	<.003				
			690	700	10	804	Tr		0.09	<.003				
			700	710	10	805	Tr		0.65	.005				
			710	720	10	806	Tr		0.08	<.003				
			720	730	10	807	Tr		0.09	<.003				
702	750	Fresh medium grained hornblende and minor pleochroic biotite granodiorite. Disseminated pyrite as before, but chalcopyrite weaker.	730	740	10	808	Tr		0.11	<.003				
			740	750	10	809	Tr		0.09	<.003				
750	784	Pale grey and green speckled feldspars porphyry; in part microbrecciated and altered to chlorite, talc. Network of calcite veinlets at 759, 762 Pyrite and minor chalcopyrite disseminated.	750	760	10	810	Tr		0.09	.017	100			
			760	770	10	811	Tr		0.07	.003				
			770	780	10	812	Tr		0.08	<.003				
784	800.5	Broken recovery of porphyry as above. Quartz vein(s) from 785-789 dissecting core. Pyrite and minor disseminated chalcopyrite also occasional blebs and erratic hairline stringers of chalcocite within the quartz.	780	790	10	813	Tr		0.08	.018	90			
			790	800	10	814	Tr		0.10	.012				

COLLAR
North
East
Elevation
Azimuth
Dip
Logged By

Hole No. CD-1
Commenced
Finished
Purpose Of Hole

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	%Mo	% Rec	ACCUMULATIVE AVERAGES AU W	AG W	CU W
800.5	813.5	Hard homogeneous relatively fresh horn-	800	810	10	815	Tr		0.09	.003	100			
		granodiorite; well fractured, these carrying												
		pyrite and chalcopyrite and disseminated												
		sulphides for approximately 0.25% Cu(?):												
		Very similar to core at 477-510. Limonite												
		along occasional fractures.												
813.5	821	Highly altered and chloritized feldspar									95			
		porphyry with gouge material at 817.5 and	810	820	10	816	Tr		0.15	.004				
		820. Inclusion (?) of granodiorite at 819-												
		819.5.												
821	843	Gradation from previous section to competent	820	830	10	817	Tr		0.04	.012	100			
		hard less altered porphyry. Fine clay and												
		minor chalcocite seam at 825.5. Micro-	830	840	10	818	Tr		0.04	.003				
		scopic galena at 835.5. Chalcopyrite very rare.												
843	876	Feldspar porphyry as above, some locally	840	850	10	819	Tr		0.07	.004	100			
		more intense alteration. Frequent quartz												
		veins 1/2" wide normal and oblique to the core	850	860	10	820	Tr		0.07	.024				
		which carry hairline veinlets of microscopic	860	870	10	821	Tr		0.05	.059				
		chalcocite(?) Pyrite heavily concentrated on												
		fracture faces. Mineral identified as	870	880	10	822	Tr		0.06	.061				
		chalcocite more likely to be molybdenite.												
876	890	Altered siliceous prophyry. Numerous quartz	880	890	10	823	Tr		0.05	.003	100			
		eyes, in part core shattered and sheared												
		parallel to the core. Decrease in copper												
		mineralization to approximately 890.												

COLLAR
North
East
Elevation
Azimuth
Dip
Logged By

Hole No. CD-1
Commenced
Finished
Purpose Of Hole

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	ASSAYS AG OZ.	ASSAYS % CU	ASSAYS %Mo	ASSAYS % Rec	ACCUMULATIVE AVERAGES AU W	ACCUMULATIVE AVERAGES AG W	ACCUMULATIVE AVERAGES CU W
890	907.5	Apparently unmineralized altered feldspar porphyry as above. Sections at 897-899, 903-909, of smoky quartz and K-feldspar rehealing extensive fracturing. Minor anhydrite within fractures.	890	900	10	824	Tr		0.05	.003	100			
			900	910	10	825	Tr		0.03	.003				
907.5	920	Lost core. Gouge or clay seam?									0			
920	934.5	Fragmented recovery. Altered feldspar porphyry has been extensively sheared and fractured, major plane parallel to the core; weakly cemented by dark grey clay.	920	930	10	826	Tr		0.03	.003	70			
934.5	939.5	Shattered porphyry as above - but strongly silicified. Very fine grained blebs of chalcocite within the quartz and minor chalcopyrite. "Contact zone"? with unit below. As before, mineral identified as chalcocite is probably molybdenite.	930	940	10	827	Tr		0.06	.060	100			
939.5	952.5	Hard pale green and grey mottled hornblende granodiorite, in parts well chloritized and silicified. Possibly inclusions (or dykes) of altered feldspar porphyry. Pyrite and minor chalcopyrite in microveinlets, and occasionally disseminated.	940	950	10	828	Tr		0.11	.013	100			
952.5	966	Sheared and shattered altered porphyry with numerous grey clay seams. No evident copper mineralization.	950	960	10	829	Tr		0.10	.016	90			
			960	970	10	830	Tr		0.11	.005				

COLLAR
North
East
Elevation
Azimuth
Dip
Logged By

MT. NANSEN PROJECT

Hole No. CD-1
Commenced
Finished
Purpose Of Hole
End of Hole 1,030'

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	%Mo	% Rec.	ACCUMULATIVE AVERAGES AU W	AG W	CU W
966	977	More competent section of argillized feldspar porphyry.	970	980	10	831	Tr		0.10	.009	100			
977	982	Slightly altered medium grained granodiorite. Minor chalcopyrite disseminated and in microveinlets and F.gr. chalcocite at 981.												
982	1008	Poor recovery of alternating soft "gougy" zones and fragmented siliceous sections of altered porphyry. Weak pyrite mineralization.	980	990	10	832	Tr		0.13	.007	75			
			990	1000	10	833	Tr		0.12	.006				
		No recovery 987.5-994.	1000	1010	10	834	Tr		0.12	.008				
1008	1024	Slightly altered hard hornblende granodiorite with tight rehealed hairline veinlets carrying pyrite and occasionally chalcopyrite. Fine grained shards of molybdenite disseminated throughout the core. Inclusion or dyke of porphyry at 1020.	1010	1020	10	835	Tr		0.10	.036	95			
1024	1030	Hole reduced from BQ to AQ. Broken core of pale green and grey argillized feldspar porphyry. Pyrite for approximately 2%.	1020	1030	10	836	Tr		0.08	.010	80			
1030		END OF HOLE.												
		Hole abandoned at 1030. Unable to circulate, return or pump water.												
		AX rods barely able to turn.												
		DIP TESTS												
		@ 300' - 47°												
		@ 1000' - 48°												

COLLAR

North 332+00
East West 200+00
Elevation 4100'
Azimuth 190°
Dip -45°
Logged By Ian Turnbull

AREA EXPLORATION CORPORATION LTD.
MT. NANSEN PROJECT

B.Q. Core: Contractor: E. Caron Diamond Drilling Ltd., Whitehorse, Y.T.

DIAMOND DRILL RECORD

Hole No. CD-2
Commenced 1 Oct., 1971
Finished 7 Oct., 1971
Purpose Of Hole To test Cu, Mo geochem. soil anomaly

DESCRIPTION			CORE LENGTH				ASSAYS					ACCUMULATIVE AVERAGES				
FROM	TO		FROM	TO	ACC WIDTH	SAMPLE NO.	AU OZ.	AG OZ.	% CU	% Mo	% Rec	AU W	AG W	CU W		
0	20	Overburden.									0					
20	50	Very broken recovery of weathered, leached and in part sandy fragments. Rock type is a weakly argillicized medium grained grano-	20	30	10	837	.005	.04	.05	.004	90					
		diorite. Hornblende > biotite, total mafic	30	40	10	838	.005	.04	.04	.009						
		content is approximately 20%.														
		Extensive FeO and minor MnO stain on	40	50	10	839	Tr	.02	.05	.004						
		fracture faces. Pyrite disseminates 1-2%; very rare chalcopyrite, and smear of molybdenum on fracture at 36'.														
50	69	Competent sections of hard green and white speckled medium grained granodiorite. Mafic	50	60	10	840	Tr	.02	.03	.003	100					
		minerals absent to altered; fractures rehealed	60	70	10	841	Tr	Tr	.04	.003						
		and carrying pyrite, also disseminated. Occasional rare chalcopyrite crystals.														
69	78.5	As above but more intense alteration of	70	80	10	842	.005	.04	.04	<.003	100					
		feldspars to kaolin, chlorite and talc.														
78.5	89	Shattered and in part gougy section of	80	90	10	843	.005	.04	.04	.011	95					
		altered granodiorite; 1/2" wide veinlet of pyrite @ 87'.														
89	103.5	Hard silicious granodiorite, alteration varying	90	100	10	844	.005	.04	.04	<.003	100					
		erratically with, in part, complete argillic- ization of feldspars.														
103.5	119	Pale green and white altered material, as	100	110	10	845	.005	.04	.05	.005	90					
		before. Extensive but weak pale brown and														

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	% Mo	% Rec	ACCUMULATIVE AVERAGES AU W	AG W	CU W
		buff discolouration - FeO (?). Very minor	110	120	10	846	Tr	.04	.07	.006				
		chalcopyrite, occasional crystal molybdenum.												
119	150	Extremely broken recovery of iron stained	120	130	5	847	.005	.07	.08	<.003	80			
		quartz rick igneous rock; appears to have												
		been well fractured, altered and silicified.	130	140	10	848	.005	.06	.05	.004				
		Fine network and microveinlets of pyrite cut												
		the core. Also occasional veinlets of feldspar.	140	150	10	849	Tr	.04	.06	.006				
		No recovery 122'-127'.												
150	171	Buff coloured quartz rich (approximately 80%)	150	160	10	850	Tr	.04	.04	.003	100			
		igneous rock; numerous quartz veins 1/2" wide												
		with fine crystal pyrite, and rarely chalcocite,	160	170	10	851	Tr	.02	.04	<.003				
		galena. Pyrite disseminates for approximately												
		2%.												
171	186	Extremely altered silicious intrusive rock.	170	180	10	852	.005	.06	.04	.003	95			
		Originally probably a quartz feldspar porphyry(?)												
		but more likely an alteration product of the	180	190	10	853	.005	.05	.04	.011				
		granodiorite. Alteration of feldspars to clay,												
		talc and epidote. In short sections rock												
		reduced to gouge material, and heavy FeO												
		stain. Quartz filling fractures with												
		associated pyrite, minor galena and chalcocite(?)												
186	215	Altered pale green and grey speckled grano-	190	200	10	854	.005	.07	.05	.017	95			
		diorite(?), resilicified. Pyrite disseminates												
		and in fractures with rare chalcopyrite and	200	210	10	855	Tr	.02	.05	<.003				
		supergene copper.	210	220	10	856	.005	.04	.05	.003	100			

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	ASSAYS AG OZ.	ASSAYS % CU	ASSAYS %Mo	ASSAYS % Rec	ACCUMULATIVE AVERAGES AU W	ACCUMULATIVE AVERAGES AG W	ACCUMULATIVE AVERAGES CU W
215	227	As above - but decrease in alteration intensity.	220	230	10	857	Tr	.02	.04	.003				
227	237	Host rock finer grained, minor sericitic alteration, and in part hornblende rich 235'-237'.	230	240	10	858	.005	.04	.06	<.003	100			
237	260	Quartz rich fine to medium grain relatively fresh granodiorite. Core intersects a 1" wide	240	250	10	859	.005	.06	.02	.008	100			
		coarse crystal pyrite vein which parallels	250	260	10	860	.005	.05	.09	<.003				
		the core 240'-246.5'. Pyrite often with greenish tarnish. Numerous fine fractures carry pyrite and minor chalcopyrite, latter also occasionally disseminated.												
260	266	Fresh medium grained hornblende grano-diorite, at 262' becoming more silicified to a pale grey finer grained rock, with increased pyritization.	260	270	10	861	Tr	.02	.09	.004	100			
266	273	Brecciated and quartz rich section. Minor K-feldsapr in veinlets, extensive coarse pyrite approximately 10%, vugs + calcite. Occasional crystal anhydrite. Copper mineral absent. (?)									100			
273	299	Medium and fine grained silicious (50-75%) altered intrusive rock. Occasional veinlets	270	280	10	862	.005	.04	.08	.004	100			
		of quartz feldspar and pyrite cut the core at	280	290	10	863	.005	.04	.18	.004				
		oblique angles. Disseminated pyrite												

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	%Mo	%Rec	ACCUMULATIVE AVERAGES AU W	AG W	CU W
		4%. Very rare chalcopyrite associated with fracture. Alteration erratic, hornblende in parts fresh, otherwise as relicts.	290	300	10	864	Tr	.02	.03	<.003				
299	324	Competent sections of core of hard fresh homogeneous hornblende granodiorite;	300	310	10	865	Tr	Tr	.04	<.003	100			
		fractures heavily pyritized, occasional magnetite and rare chalcopyrite.	310	320	10	866	Tr	Tr	.04	<.003				
324	348	As above but sections at 326'-327.5' and 333'-335' of intense alteration, feldspars →	320	330	10	867	Tr	.02	.04	<.003	100			
		montmorillonite, kaolin, hornblende → biotite and relicts; pyrite 2-3%. Veinlet	330	340	10	868	Tr	.02	.03	<.003				
		fillings of quartz, K-feldspar, magnetite pyrite and minor chalcopyrite.	340	350	10	869	Tr	Tr	.04	<.003				
348	361	Monotonous section of mainly fresh hornblende< biotite granodiorite, fractures re-healed with quartz, pyrite and very rare chalcopyrite.	350	360	10	870	Tr	Tr	.04	<.003	100			
361	390	As above, but more intense silicification of the host rock and increase in size of veinlet/	360	370	10	871	Tr	Tr	.07	<.003	100			
		fractures to approximately 1/4", with massive coarse crystal pyrite, occasionally magnetite,	370	380	10	872	.005	.02	.13	<.003				
		minor chalcopyrite and rare molybdenite, at	380	390	10	873	.005	.02	.07	<.003				
		372.5', 377', 381'.												
390	409	Altered pale green and white granodiorite.	390	400	10	874	.005	.02	.09	.013	100			
		Altered minerals chlorite, clay, quartz.												

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	ASSAYS AG OZ.	ASSAYS % CU	ASSAYS % Mo	ASSAYS % Rec	ACCUMULATIVE AVERAGES AU W	AG W	CU W
		Quartz veinlets (1/4") subparallel core, with minor chalcopyrite and very minor molybdenum. Slickensiding(?)	400	410	10	875	.010	.05	.07	.005				
409	453	Erratic sections of fresh and altered grano-diorite. Coarse and massive pyrite fracture fillings associated with the more intense alteration and silicification. Minor sections of copper and very fine grain molybdenum mineralization (20% Cu) @ 412.5', 433', otherwise very weak chalcopyrite in micro-veinlets.	410	420	10	876	.005	.02	.06	<.003	100			
			420	430	10	877	.005	.02	.03	.003				
			430	440	10	878	.010	.04	.15	<.003				
			440	450	10	879	.010	.03	.04	.003				
453	480.5	Fragmented, blocky and sandy section of completely argillicized rock → kaolin, minor chlorite, sericite and remnant or late quartz. Pyrite in part leached. Numerous dark clay bands.	450	460	10	880	.005	.02	.08	.003	85			
			460	470	10	881	Tr	Tr	.08	.004				
			470	480	10	882	Tr	Tr	.05	<.003				
480.5	493	Fine grained to aphanitic light grey to pale green slightly altered acid intrusive rock - rhyolite or rhyodacite composition. 1/4" wide quartz veinlets parallel and cut the core normally and carry very fine grain molybdenite and very minor chalcopyrite. Microscopic molybdenite (possibly chalcocite) occasionally disseminated in the core.	480	490	10	883	.005	.02	.07	.009	100			
493	518.5	Gradational change to wholly fresh fine	490	500	10	884	.005	.02	.11	.031	100			

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	ASSAYS AG OZ.	ASSAYS % CU	ASSAYS % Mo	ASSAYS % Rec	ACCUMULATIVE AVERAGES AU W	ACCUMULATIVE AVERAGES AG W	ACCUMULATIVE AVERAGES CU W
		grained green acidic (quartz 70%) intrusive	500	510	10	885	.005	.02	.13	.005				
		rock, mafic minerals about 35%; molybdenite >												
		chalcopyrite in quartz veins 493'-498';	510	520	10	886	.005	.02	.05	.008				
		chalcopyrite (.3%); minor molybdenite 498'-												
		509'.												
518.5	535	Sandy and broken section of altered and in	520	530	10	887	Tr	Tr	.06	<.003	95			
		part brecciated rock; fracture filling of pyrite,												
		quartz, calcite, anhydrite, magnetite, minor	530	540	10	888	.005	.04	.09	.003				
		molybdenite and occasional chalcopyrite.												
535	589	Competent hard sections of green to dark grey	540	550	10	889	.005	.02	.07	<.003	100			
		green fresh biotite hornblende rhyolite →	550	560	10	890	.005	.02	.06	<.003				
		rhyodacite. Quartz, chalcopyrite and very	560	570	10	891	Tr	Tr	.07	.003				
		fine molybdenite erratic in microveinlets and	570	580	10	892	.005	.02	.09	.004				
		occasionally disseminated. Magnetite	580	590	10	893	.005	.02	.08	.003				
		common within fractures.												
589	622	Monotonous sections of hard dark green biotite	590	600	10	894	.005	.02	.08	<.003	100			
		> hornblende rhyolite → rhyodacite, mafic												
		minerals 30-40%. Possible decrease in copper	600	610	10	895	Tr	Tr	.08	<.004				
		mineralization and absence of moly(?).												
		Fragmented recovery at 589'-590.5', and	610	620	10	896	Tr	Tr	.05	.003				
		603'-607'.												
622	680	Sharp silicified contact at 622' with fresh	620	630	10	897	.005	.02	.07	.006	100			
		medium grained hornblende biotite grano-	630	640	10	898	Tr	.04	.07	.005				
		diorite. Pyrite disseminated and on fractures	640	650	10	899	.005	.02	.05	.005				
		with associated fine grain magnetite and	650	660	10	900	.005	.04	.04	.003				

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	% Mo	% Rec	ACCUMULATIVE AVERAGES AU W	AG W	CU W
		quartz. Weak chalcopyrite and fine grain	660	670	10	901	Tr	.02	.05	.011				
		molybdenite on fracture faces. Strongly												
		mineralized section (.25%) 627'-631'.	670	680	10	902	.010	.04	.07	.004				
		Relatively massive MoS_2 on fracture faces at												
		628.5', 662'.												
680	700	Hard homogeneous monotonous section of	680	690	10	903	.005	.02	.10	.005	100			
		granodiorite, as above. Quartz vein rich												
		section 680'-690' with relatively strong	690	700	10	904	Tr	.04	.05	<.003				
		chalcopyrite (.30%). Molybdenum apparently												
		absent. Magnetite common within fractures.												
700	748	Unaltered medium grain granodiorite; 700'-703'	700	710	10	905	Tr	.04	.06	.003	100			
		core brecciated and resilicified, 705'-706.5'	710	720	10	906	.005	.02	.06	.003				
		some clay and slickensiding. Numerous quartz	720	730	10	907	Tr	Tr	.07	.004				
		veins - 1/4"-1" wide - cut the core, carrying	730	740	10	908	Tr	Tr	.06	.004				
		pyrite, magnetite, minor chalcopyrite and	740	750	10	909	Tr	Tr	.04	<.003				
		occasional blebs molybdenite.												
748	770	As above, homogeneous granodiorite.	750	760	10	910	Tr	Tr	.04	<.003	100			
		Biotite = hornblende, mafics approximately	760	770	10	911	Tr	Tr	.05	<.003				
		30%. Apparent decrease in copper mineral-												
		ization (?).									100			
770	784	Gradational alteration of top and bottom of	770	780	10	912	.005	.02	.07	.003				
		section to whole altered (argillic(?)) rock;												
		altered minerals - kaolin, chlorite, anhydrite,												
		minor sericite and magnetite. Network of												
		microveinlets carry pyrite, marcasite (?),												

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	ASSAYS AG OZ.	ASSAYS % CU	ASSAYS %Mo	ASSAYS % Rec	ACCUMULATIVE AVERAGES AU W	AG W	CU W
		minor chalcopyrite and minor molybdenite.	780	790	10	913	Tr	Tr	.06	<.003				
784	837	"Blocky" recovery of hard fresh biotite horn-	790	800	10	914	Tr	Tr	.04	<.003	100			
		blende granodiorite. Fractures carry pyrite,	800	810		915	Tr	Tr	.04	.004				
		coarse and fine grain magnetite, minor	810	820		916	Tr	Tr	.04	.004				
		chalcopyrite and occasional fine grain moly-	820	830		917	Tr	Tr	.03	.003				
		bdenite.	830	840		918	.005	.02	.04	.003				
837	863	Long runs recovered of granodiorite, as above.	840	850		919	.005	.02	.06	<.003	100			
		Noticeable decrease of magnetite associated												
		with fractures.	850	860		920	.005	.03	.07	<.004				
		847'-848' fine grained dark grey green rhyolite												
		or rhyodacite. Dyke(?).												
863	896	Gradation from medium to finer grained	860	870	10	921	.005	.02	.06	<.003	100			
		equivalent of granodiorite, silicious and mafic	870	880	10	922	Tr	Tr	.05	<.003				
		rich as before. Very weak chalcopyrite on	880	890	10	923	Tr	Tr	.09	.005				
		fractures. Fracture fillings - quartz, K-feld-	890	900	10	924	Tr	Tr	.08	.003				
		spar, magnetite, minor calcite.												
896	913	Altered pale green medium grained granodiorite,	900	910	10	925	Tr	Tr	.07	.004	100			
		with occasional dark green fresh sections.												
		Massive pyrite in veinlets; core generally												
		fragmented.												
913	980	Grey green mafic rich medium grained fresh	910	920	10	926	Tr	Tr	.06	.003	100			
		granodiorite. Erratic chalcopyrite on fracture	920	930	10	927	Tr	Tr	.08	<.003				
		faces - in part approximately 0.3%, also	930	940	10	928	Tr	Tr	.05	<.003				
		absent for 3'-4' sections. Quartz veins	940	950	10	929	Tr	Tr	.08	.008				
		sub-parallel core at 941'-941.5', 949-946.5'	950	960	10	930	Tr	0.03	.11	.012				

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	AG OZ.	% CU	% Mo	%Rec	ACCUMULATIVE AVERAGES AU W	AG W	CU W
		and 955'-956' carry fine grained moly-	960	970	10	931	.005	.05	.07	<.003				
		bdenite.	970	980	10	932	Tr	.04	.07	.008				
980	1024	Long monotonous sections of homogeneous	980	990	10	933	Tr	.02	.03	.003	100			
		biotite hornblende magnetite granodiorite as	990	1000	10	934	Tr	Tr	.03	<.003				
		before: Pyrite and minor chalcopyrite on	1000	1010	10	935	Tr	Tr	.04	<.003				
		fractures.	1010	1020	10	936	Tr	.04	.04	.007				
1024	1038	Altered and silicified granodiorite. Feldspar	1020	1030	10	937	Tr	.04	.06	.005	100			
		in part converted to clay, mafic minerals -->	1030	1040	10	938	Tr	Tr	.05	<.003				
		chlorite.												
1038	1059	Fresh granodiorite; copper mineralization rare	1040	1050	10	939	Tr	Tr	.06	<.003	100			
		to absent.	1050	1060	10	940	Tr	Tr	.05	<.003				
1059	1067	Pale green altered structureless rock, in part	1060	1070	10	941	Tr	Tr	.08	.003	100			
		massive pyrite, resilicified.												
1067	1089	Fresh granodiorite, fractures carry magnetite,	1070	1080	10	942	.005	.02	.06	<.003	100			
		pyrite and very weak chalcopyrite.	1080	1090	10	943	Tr	Tr	.04	<.003				
1089	1106	Pale green and altered granodiorite, mineral-	1090	1100	10	944	.005	.02	.06	.004	100			
		ized as above.	1100	1110	10	945	.005	.03	.07	.011				
1106	1145	Long competent sections of fresh granodiorite,	1110	1120	10	946	.005	.02	.13	.005	100			
		sulphides as above. Occasional fine grained	1120	1130	10	947	.005	.02	.07	<.003				
		molybdenite with quartz veinlets. Hornblende	1130	1140	10	948	Tr	Tr	.06	.003				
		predominant mafic mineral. Possible decrease	1140	1150	10	949	.005	.03	.08	.003				
		in % quartz.												
1145	1173	Unaltered medium grained granodiorite, as	1150	1160	10	950	Tr	Tr	.09	.004	100			
		before. K-feldspar as fracture fillings with												
		quartz, pyrite, massive sericite, minor	1160	1170	10	951	.005	.02	.07	<.003				

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	ASSAYS AG OZ.	ASSAYS % CU	ASSAYS % Mo	ASSAYS % Rec	ACCUMULATIVE AVERAGES AU W	ACCUMULATIVE AVERAGES AG W	ACCUMULATIVE AVERAGES CU W
		magnetite, rare chalcopyrite and MoS_2; cf. 1163.5'-1164.5'.												
1173	1207	Textural change to a medium-coarse grano-	1170	1180	10	952	Tr	Tr	.04	.003	100			
		diorite, also in part with feldspar phenocrysts.	1180	1190	10	953	Tr	Tr	.03	.005				
		Weak alteration and silicification, fracture	1190	1200	10	954	Tr	Tr	.03	<.003				
		filling of feldspar, quartz, pyrite, sericite mica. Some preferrential alteration of feldspars to clay to give a speckled "pseudo" porphyritic habit to the core.	1200	1210	10	955	.005	.02	.19	<.003				
1207	1224	Broken recovery of clay covered fragments of	1210	1220	10	956	Tr	Tr	.06	<.003	90			
		altered rock. In part quartz deficient → dioritic rock.												
1224	1271	Competent sections of medium grained fresh	1220	1230	10	957	Tr	Tr	.04	<.003	100			
		biotite>hornblende granodiorite. Occasional	1230	1240	10	958	Tr	Tr	.03	<.003				
		quartz and feldspar veinlets. Very weak	1240	1250	10	959	Tr	Tr	.04	.004				
		chalcopyrite on fractures. Pale green altered	1250	1260	10	960	Tr	.04	.03	<.003				
		section 1241'-1243.5'. Feldspar porphyry	1260	1270	10	961	.005	.02	.07	<.003				
		texture (inclusion ?) at 1247'-1247.5'.	1270	1280	10	962	Tr	Tr	.05	.005	100			
1271	1328	Irregular hornblende and biotite granodiorite,	1280	1290	10	963	Tr	.04	.03	.007				
		also in part diorite. Quartz and feldspar in	1290	1300	10	964	Tr	Tr	.04	<.003				
		filling fractures, erratic and weak chalcopyrite,	1300	1310	10	965	Tr	Tr	.03	<.003				
		MoS_2 in fractures at 1287', 1289'. Occasional	1310	1320	10	966	Tr	Tr	.03	<.003				
		massive sericite.	1320	1330	10	967	Tr	Tr	.03	<.003				
1328	1350	Slightly more altered core than above.	1330	1340	10	968	.005	.04	.02	<.003	100			
		Secondary biotite and minor sericite in fractures.	1340	1350	10	969	Tr	.04	.03	<.003				

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	CORE LENGTH ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	ASSAYS AG OZ.	ASSAYS % CU	ASSAYS % Mo	ASSAYS % Rec	ACCUMULATIVE AVERAGES AU W	ACCUMULATIVE AVERAGES AG W	ACCUMULATIVE AVERAGES CU W
1350	1353.5	Extremely altered host rock, dissected by parallelling fracture with quartz, feldspar, massive transparent books of sericite mica, and erratic but massive fine grained molybdenite.									100			
1353.5	1375	Generally fresh and competent medium to fine grained granodiorite. As before - also sections of dioritic habit. Fractures carry quartz and massive pyrite.	1350	1360	10	970	Tr	Tr	.06	.016	100			
			1360	1370	10	971	Tr	Tr	.02	<.003				
		1372'-1374', pale green to white altered material.	1370	1380	10	972	Tr	Tr	.03	<.003				
1375	1386.5	Altered feldspar porphyry; feldspar phenocrysts altered to kaolin, etc. Groundmass of fine grained quartz, mafic minerals, is fresh. Fractures carry soft clay and pyrite.	1380	1390	10	973	Tr	Tr	.02	.003	100			
1386.5	1408	Fresh medium grained mafic rich granodiorite, chalcopyrite rare to absent. Magnetite disseminated and on fractures.	1390	1400	10	974	Tr	Tr	.03	<.003	100			
			1400	1410	10	975	Tr	Tr	.03	<.003				
1408	1422	Medium grained granodiorite as above, with occasional 6" sections of finer grained equivalent. Fractures with quartz and pyrite. Latter very weakly disseminated. Maroon-red iron stain on some fractures.	1410	1420	10	976	Tr	Tr	.02	<.003	100			
1422	1443.5	Shattered recovery 1422'-1424'. Fresh medium and finer grained hornblende - biotite	1420	1430	10	977	Tr	Tr	.04	<.003	100			

DIAMOND DRILL RECORD

FROM	TO	DESCRIPTION	CORE LENGTH FROM	CORE LENGTH TO	ACC WIDTH	SAMPLE NO.	ASSAYS AU OZ.	ASSAYS AG OZ.	ASSAYS % CU	ASSAYS % Mo	ASSAYS % Rec	ACCUMULATIVE AVERAGES AU W	ACCUMULATIVE AVERAGES AG W	ACCUMULATIVE AVERAGES CU W
		granodiorite, in part diorite. Fractures carry	1430	1443.5	13.5	978	Tr	Tr	.07	<.003				
		quartz and pyrite. 1440'-1441.5', 1/2" veinlet												
		with coarse pyrite crystals and rare associated												
		chalcopyrite.												
1443.5	1450	No recovery. Core spring lost at foot of hole.												
	1450	END OF HOLE.												

Diamond Drill Record

COLLAR:
NORTH 190N
EAST 198W
ELEVATION 4,400'
LOGGED BY R.A. Dickinson
DATE LOGGED July 2/72
MAP REFERENCE NO. 115-I/3

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
600'		
Vertical		
METHOD: Acid Tested @ 300' & 600'		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling
ASSAYER Bondar-Clegg & Co. Ltd.
PURPOSE OF HOLE Edge of Anomalous Metal Factor Ring

HOLE NO. CD-5
CLAIM NAME Dome 43 & Dome 58
COMMENCED June 23/72
FINISHED July 2/72
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo		ASSAYS Au
0	19		Overburden			BQ					
			BW casing to 225								
			NW casing to 20 (casing recovered from hole)								
19	56	95%	Good core although broken into 6" pieces along fractures.	19	30	11	162	L.01	L.003		L.005
			Med.-coarse grained leucocratic hornblende granodiorite.	30	40	10	163	0.01	L.003		
			Hornblende is moderately chloritized and feldspars	40	50	10	164	0.01	L.003		
			are slightly clayey (supergene). Rock is slightly								
			magnetic & contains <.5% disseminated pyrite. All								
			fracture surfaces are thickly coated with goethite,								
			jarosite and minor manganese stain, but minor pyrite								
			remains. @ 26.8-27, 30.8-31, 55.5 short intervals of								
			sand (iron stained).	50	60	10	165	0.01	L.003		L.005
56	85	99%	Coarse grained hornblende granodiorite, with <1% disseminated	60	70	10	166	L.01	L.003		
			pyrite. Only slight limonite (jarosite) staining on	70	80	10	167	0.01	L.003		
			shear surfaces. Most fractures are filled with pistachio								
			green epidote & minor pyrite. Rock mafics are chloritized.								
			Epidote also occurs as clots within rock. Good recovery,								
			1-2' competent sections of core.								
85	91	85%	Poor recovery, broken core, ½-1" sections. Hornblende-	80	90	10	168	0.01	L.003		0.005
			granodiorite, minor disseminated pyrite. Iron stained								
			fractures although most of the pyrite fillings have not								

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-5
CLAIM NAME Dome 43 & Dome 58
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	Mo		Au			
			been leached.			BQ								
91	138	99%	Hornblende-granodiorite, <1% disseminated pyrite.	90	100	10	169	0.01	L.003					
			Fracture commonly parallel to core axis. Granodiorite	100	110	10	170	0.01	L.003					
			has been propylitized (epidote, chlorite, carbonate	110	120	10	171	0.01	L.003		L.005			
			alteration). Fractures commonly epidote & pyrite filled.	120	130	10	172	0.01	L.003					
			Good recovery, 1-2' sections of competent core.	130	140	10	173	.01	L.003					
138	172	85%	Poor recovery, extensively broken core (fragments).	140	150	10	174	0.01	L.003		L.005			
			Highly sheared granodiorite & kaolinized gouge, with 1%	150	155	5	175	0.01	L.003					
			pyrite & minor limonite staining.	155	160	5	176	0.01	L.003					
172	180	99%	Good recovery, 1-2' sections. Coarse grained grano-	150	160	10	177	0.01	L.003	Sludge				
			diorite, with 1% finely disseminated pyrite.	160	170	10	178	0.01	L.003	"				
180	183	95%	Mildly argillized granodiorite. Feldspars are	170	180	10	179	0.02	L.003	"				
			clayey and have a green tinge (montmorillonite?).	180	190	10	180	0.01	L.003	"				
			Mafics are completely chloritized.	190	200	10	181	0.01	L.003	"	L.005			
183	187	97%	Fine grained - dense, aplitic rhyodacite porphyry with	200	210	10	182	0.01	L.003	"				
			<2% chloritized mafic clots. Minor, 2-3 mm quartz	210	220	10	183	0.01	L.003	"	Shipped: 6/25/72			
			phenocrysts, 3-4 mm plagioclase phenocrysts, and large	160	170	10	184	0.01	L.003		L.005			
			½-3/4" pinkish K-spar phenocrysts. Plagioclase is	170	180	10	185	0.02	L.003					
			slightly clay altered. 2% finely disseminated pyrite.	180	190	10	186	0.01	L.003					
			Contacts are extremely broken.											
187	206	1%	Essentially no core. Minor rhyodacite porphyry fragments.	190	200	10	187							

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-5
CLAIM NAME Dome 43 & Dome 58
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo		ASSAYS Au
			Sludge mainly feldspar, quartz rich sand with abundant			BQ					
			pyrite.	200	210	10	188	see sludge			
206	216	40%	A few 1-3" chunks of rhyodacite porphyry, large pink								
			K-spar phenocrysts, sludge taken, sand with abundant	210	220	10	189	L.01	L.003		L.005
			pyrite.								
216	233	95%	Rhyodacite porphyry, resorbed quartz, plagioclase (zoned)	220	230	10	190	L.01	L.003		
			and pink K-spar phenocrysts in a dense greyish cream								
			matrix. 2% disseminated (finely) pyrite.								
233	243	98%	Quartz rich granodiorite, med. grained grading to (243')	230	240	10	191	0.01	L.003		
			coarse grained hornblende granodiorite. Fractures								
			(1 per 6") commonly @ 45° to core axis. 1% pyrite as								
			disseminations and fracture fillings.								
243	275	98%	Propylitized granodiorite, 10% epidote as clots and	240	250	10	192	0.01	L.003		L.005
			fracture fillings, mafics chloritized, minor carbonate on	250	260	10	193	0.01	L.003		
			fracture surfaces, not extensively fractured. < 1%	260	270	10	194	0.01	L.003		
			disseminated pyrite. Good recovery, 1-2' sections of								
			core.								
275	277.5	99%	Rhyodacite porphyry dyke. 1" dense chilled margin at								
			contact with granodiorite. Fractures cross contact,	270	280	10	195	0.01	L.003		L.005
			with minor offset.								
277.5	282	99%	Epidotized granodiorite. Chloritized hornblende, minor								

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-5
CLAIM NAME Dome 43 & Dome 58
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo		ASSAYS Au
282	312.5	99%				BQ					
			@ 282' ½" chilled margin (dense, non-porphyritic) with above.								
			Dense greyish cream rhyodacite porphyry, resorbed and	280	290	10	196	0.01	L.003		
			zoned white plagioclase (3 mm), and resorbed quartz	290	300	10	197	0.01	L.003		
			(2 mm) phenocrysts <1% pyrite and <5% mafics (fine	300	310	10	198	0.02	L.003		0.005
			grained & chloritized). Light coloured porphyry grades into →								
312.5	321		darker greyish black rhyodacite porphyry. Porphyritic	310	320	10	199	0.02	L.003		
			(plagioclase) texture more pronounced. Dense, quartz rich								
			aphanitic matrix. <1% finely disseminated pyrite. Good								
			core recovery, 1' sections.								
321	332.3	99%	@ 321' sharp contact with med. grained hornblende grano-	320	330	10	200	0.01	L.003		
			diorite. Strongly epidotized as clots and fracture								
			healings. Hornblende is replaced by chlorite. <1%								
			pyrite is found along fractures (commonly 10° & 30° to								
			core axis) and as fine anhedral disseminations. Sharp	330	340	10	201	0.01	L.003		L.005
			contacts on both sides. Good core recovery, competent	340	350	10	202	0.02	L.003		
			2' sections.	350	360	10	203	0.01	L.003		
332.5	513.5	99%	Light, creamy grey rhyodacite porphyry. Phenocrysts are	360	370	10	204	0.01	L.003		L.005
			anhedral resorbed plagioclase 2-4 mm, resorbed quartz	370	380	10	205	0.01	L.003		
			(2-4 mm) and lesser subhedral pinkish K-spar. Section	380	390	10	206	L.01	L.003		
			becomes increasingly more porphyritic. Specks of moly	390	400	10	207	0.01	L.003		L.005

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-5
CLAIM NAME Dome 43 & Dome 58
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo		ASSAYS Au
			@ 413. Porphyry contains <10% mafics. Pyrite 1% is			BQ					
			commonly euhedral along fractures while anhedral as fine	400	410	10	208	L.01	L.003		
			disseminations. Core is broken and kaolinized over 2-3"	410	420	10	209	L.01	L.003		
			sections @ 402, 436, 446, 479, 480. Fractures at all	420	430	10	210	0.01	L.003		L.005
			angles (1 per 4").	430	440	10	211	0.01	L.003		
513.5	519.5	99%	@ 519.5' sharp contact with granodiorite. Granodiorite	440	450	10	212	0.01	L.003		
			is mildly argillized. All feldspars have greenish tinge	450	460	10	213	L.01	L.003		L.005
			(montmorillonite?). Granodiorite is quartz rich. Mafics	460	470	10	214	L.01	L.003		
			have been replaced by chlorite and minor epidote occurs	470	480	10	215	L.01	L.003		
			as clots and along fractures. <1% pyrite, good	480	490	10	216	L.01	L.003		L.005
			recovery, 1' sections.	490	500	10	217	L.01	L.003		
519.5	537	99%	Rhyodacite porphyry, sharp contacts. Quartz, plagioclase,	500	510	10	218	0.01	L.003		
			K-spar phenocrysts as earlier described, 1% pyrite &	510	520	10	219	0.01	L.003		L.005
			<5% mafics (chloritized).	520	530	10	220	0.01	L.003		
537	541	99%	Hornblende granodiorite - mildly kaolinized. Propylitic	530	540	10	221	0.01	L.003		
			alteration assemblage. Mildly fractured.	540	550	10	222	0.01	L.003		L.005
541	551	99%	Rhyodacite porphyry as above. 1/2" aphanitic chilled								
			margin @ 541', 1% pyrite & <5% mafics. Slightly								
			fractured at all angles, minor pyrite and clay on								
			fractures.	550	560	10	223	0.02	L.003		

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-5
CLAIM NAME Dome 43 & Dome 58
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo		ASSAYS Au
						BQ					
551	600	99%	Hornblende granodiorite - fractured contact with above.	560	570	10	224	0.04	L.003		
			Extensive epidote, minor pyrite & chlorite.	570	580	10	225	0.02	L.003		L.005
			Excellent recovery, 3' sections.	580	590	10	226	0.02	L.003		
				590	600	10	227	0.02	L.003		L.005
			END OF HOLE								

Diamond Drill Record

COLLAR:		HOLE SURVEY		
NORTH	204N	FOOTAGE	AZIMUTH	DIP
EAST	195W	500	Vertical	
ELEVATION	4300			
LOGGED BY	R. A. Dickinson			
DATE LOGGED	18/7/72			
MAP REFERENCE NO.	115-I-3	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling
ASSAYER Bondar-Clegg & Company Ltd.
PURPOSE OF HOLE Edge of anomalous I.P. halo

HOLE NO. CD-7
CLAIM NAME GS-7-F
COMMENCED July 11/72
FINISHED July 16/72
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
0	21	0	Overburden. BW casing 0-50'.							
21	42.5	90	Weathered, crumbly, equigranular, medium grained granodiorite,	21	30	9	287	0.02	L.003	L0.005
			leached and broken. Feldspars have been altered to soft white clay	30	40	10	288	0.02	L.003	
			(kaolin). Strongly limonite stained with both jarosite and goethite							
			giving rock pervasive reddish orange colour. No sulphides.							
42.5	46	50	Extremely broken core. Fragments recovered are rhyodacite which is	40	50	10	289	0.01	L.003	
			quartz-rich and non-porphyritic. All pebbles are limonite stained.	50	60	10	290	0.02	L.003	L0.005
			No sulphides.							
46	60	90	Limonite stained granodiorite. Broken 2-3" sections. Supergene							
			clay alteration of silicates.							
60	80	75	Extremely broken section. Mainly limonite stained pebbles and sand.	60	70	10	291	0.02	L.003	
			Probably shear zone cutting granodiorite.	70	80	10	292	0.02	L.003	
80	90	98	Oxidized, equigranular, medium grained granodiorite. Jarosite and	80	90	10	293	0.03	L.003	L0.005
			goethite coatings along fractures and as a pervasive staining.							
			Intensity of staining decreasing with depth. First appearance of							
			pyrite at 86.5.							
90	112	85	Limonite stained granodiorite, slightly more broken than above	90	100	10	294	0.03	L.003	
			section. Feldspars have been replaced by kaolin.	100	110	10	295	0.03	L.003	
112	114	50	Intensely broken, pebble size core. Granodiorite, limonite stained,							
			pebbles and sand.	110	120	10	296	0.03	L.003	L0.005
114	129	90	Broken core, 3-5" sections of limonite stained granodiorite.	120	130	10	297	0.03	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-7
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au	Check Assays (Chemex) Cu
			Limonite staining decreases with depth and oxidized capping ends								
			at 129'. Minor pyrite although most sulphides have been leached.								
			Feldspars have been altered to kaolin.								
129	140	75	Medium grained, equigranular mesocratic hornblende granodiorite.	130	140	10	298	0.03	L.003		
			Feldspars are fringed with soft white kaolin. <1% anhedral pyrite								
			as fine disseminations and along fractures.								
140	152	20	Dark black, aphanitic lamprophyre dyke. Crisscrossed with hairline	140	160	20	299	0.02	L.003	L0.005	
			seams of pyrite and minor chalcopyrite.	140	150	Sludge	551	0.02	L.003	0.005	0.01
152	170	98	Strongly chloritized granodiorite, chlorite gives rock a grey green	150	160	Sludge	552	0.02	L.003		0.02
			tinge. Feldspars have clay altered rims. Rock contains 1% pyrite	160	170	10	300	0.02	L.003		
			as disseminations and fracture fillings which are not abundant.								
			1-2' sections of core.								
170	220	98	Medium grained, equigranular, chloritized granodiorite. All mafics	170	180	10	301	0.02	L.003	L0.005	
			have gone to chlorite. Feldspars have kaolin rims. Granodiorite is	180	190	10	302	0.03	L.003		
			quartz-rich (15-20%). Core is greyish green. Pyrite (1%) occurs as	190	200	10	303	0.02	L.003		
			disseminations and commonly as subhedral crystals filling fractures.	200	210	10	304	0.06	L.003	L0.005	
			Trace of chalcopyrite at 185'. 1/2" pinkish feldspar veinlet at 215'.	210	220	10	305	0.01	L.003		
220	234.7	98	Chloritized and mildly clay altered equigranular, medium-coarse	220	230	10	306	0.02	L.003		
			grained, hornblende granodiorite. 1-2% pyrite as subhedral								
			disseminations and 1/4" fracture fillings. Minor chalcopyrite where								
			pyritization is strong.								

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-7
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au	Check Assays (Chemex) Cu
234.7	257		Moderately clay altered granodiorite, no mafics left. Cut by	230	240	10	307	0.15	L.003	0.005	
			massive quartz-pyrite veinlets at 240.5-241.3 at 20° to core axis.	240	250	10	308	0.03	L.003		
			Chalcocite first appears visually at 235 rimming pyrite and specks	250	260	10	309	0.03	L.003		
			to 257. Strongest section of secondary enrichment of hole occurs								
			as 1/16" seams along fractures from 248-251.								
257	258.8	80	Black, dense, microcrystalline lamprophyre dyke, mildly magnetic.								
			Cut by hairline, pyrite filled fractures that occur at all angles. Minor	260	270	10	310	0.04	L.003	L0.005	
			chalcopyrite.	270	280	10	311	0.05	L.003		
258.8	280	98	Olive green, chloritized granodiorite with mild clay alteration of	280	330	50	312	0.02	L.003		
			feldspars increasing until strong at 280. 1% pyrite. Chlorite?	280	290	No Sludge		NO RETURN			
			staining rock olive green.	290	300	No Sludge					
280	290	50	Extremely broken granodiorite, pebbles and sand. Minor pyrite and clay.	300	310	Sludge	553	0.02	L.003		0.02
290	330	5	Sand? extremely broken core. Very poor recovery. Mainly quartz and	310	320	Sludge	554	0.05	L.003	0.005	0.05
			feldspar rich sand (sludge samples taken).	320	330	Sludge	555	0.03	L.003		0.02
330	365	95	Moderately clay altered granodiorite. Clay is stained light bluish-	330	340	10	313	0.01	L.003		
			green (probably pervasive chlorite staining). Mafics have been	340	350	10	314	0.02	L.003	L0.005	
			replaced by booklets of clay. Minor chalcocite rims pyrite at 334.	350	360	10	315	0.04	L.003		
365	368	95	Broken granodiorite, moderately clay altered. Thick (1/16")	360	370	10	316	0.04	L.003		
			chalcocite coats fractures.								
368	370	90	Broken core pebble size, greyish tinge to granodiorite may indicate								
			chalcocite. Clay altered, minor pyrite.								

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-7
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
370	386	98	Medium-coarse grained granodiorite, moderately clay altered, all	370	380	10	317	0.03	L.003	L0.005
			mafics have been replaced by clay. 1-2% pyrite, trace chalcopyrite.	380	390	10	318	0.03	L.003	
			Quartz-pyrite fill all fractures and attain widths of 1-2". Cut core							
			axis at all angles and are not intense.							
386	388	98	Light grey, aphanitic, non-porphyritic rhyodacite and quartz dyke.							
			Strong pyritization associated with quartz. No mafics.							
388	404.5	98	Olive green, chloritized, and clay altered granodiorite. Pervasive	390	400	10	319	0.03	L.003	L0.005
			chlorite staining probably gives rock greenish colour. Feldspars are							
			clay altered and stained. Granodiorite is quartz rich (15-20%),	400	410	10	320	0.03	L.003	
			1% pyrite as disseminations and quartz-pyrite fracture fillings.	410	420	10	321	0.02	L.003	
404.5	500		Rhyodacite porphyry. Porphyritic texture becomes	420	430	10	322	0.02	L.003	L0.005
			more pronounced with depth. Phenocrysts are mainly euhedral white	430	440	10	323	0.01	L.003	
			plagioclase (2-3 mm), and lesser resorbed quartz eyes. 1% finely	440	450	10	324	0.04	L.003	
			disseminated pyrite and only (<3%) minor mafics that have been	450	460	10	325	0.03	L.003	L0.005
			replaced by chlorite. Rock has malachite green speckles (<1%) that	460	470	10	326	0.02	L.003	
			may be chlorite? Feldspars are mildly argillized at edges. At 462,	470	480	10	327	L0.01	L.003	
			6" long fracture at 20° to core axis filled with blackish grey clay	480	490	10	328	0.01	L.003	L0.005
			gouge. (Colour may be due to MoS_2?)	490	500	10	329	0.02	L.003	
			END OF HOLE							

Diamond Drill Record

COLLAR:
NORTH 244N
EAST 202W
ELEVATION 3,950 ASL
LOGGED BY R. Dickinson
DATE LOGGED 8/10/72
MAP REFERENCE NO. 115-I-3

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
520'	Vertical	
METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling Ltd.
ASSAYER Bondar-Clegg & Co.
PURPOSE OF HOLE Coincident copper-moly geochem, inside rim of anomalous metal factor halo

HOLE NO. CD-13
CLAIM NAME Dome 69
COMMENCED Sept 22, 1972
FINISHED Oct 6, 1972
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au		Sludge No.	Sludge Cu	Sludge Mo
			NW casing to 88'											
			BW casing to 254' (lost 90' in hole)											
0	90	0	Overburden											
90	121	80%	Highly broken core, 1-3" sections. Strongly chloritized,	90	100	10	11026	0.05	0.002	Tr				
			moderately clay altered, greenish black-grey quartz-	100	110	10	11027	0.12	0.004					
			diorite. Medium-grained, equigranular. 1-3% pyrite	110	120	10	11028	0.15	0.006	0.01		10109	0.13	0.006
			as disseminations and coating minor fracture planes.											
			Quartz diorite is slightly magnetic.											
121	128	75%	Broken core, 1-3" sections. Moderately clay altered	120	130	10	11029	0.08	0.008			10110	0.12	0.007
			greenish-grey quartz-diorite. Grain outlines are											
			just visible. 2-4% pyrite as fracture coatings and											
			minor disseminations. Trace of chalcopyrite and											
			molybdenite along boundaries of 1/4" grey quartz											
			fracture fillings. Fracturing is mild.											
128	130	50%	Broken core, poor recovery. Brecciated section with 1/4-											
			1/2" clay altered angular quartz-diorite fragments											
			in grey quartz matrix. Quartz accompanied by minor											

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-13
CLAIM NAME Dome 69
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au	Sludge No.	Sludge Cu	Sludge Mo
			molybdenite.										
130	156	75%	Broken core, 1-2" sections. Typically 1-2 foot runs.	130	140	10	11030	0.10	0.003	0.005	10111	0.09	0.011
			Quartz-diorite, medium grained, altered greyish white.	140	150	10	11031	0.09	0.004		10112	0.08	0.019
			Silicates altered to clay and minor sericite. Minor grey quartz fracture fillings associated with minor molybdenite and trace of chalcopyrite. Quartz fillings cut core axis commonly at 30-60°.										
156	220	70%	Highly broken section. Grey clay, sand and pebble	150	160	10	11032	0.10	0.006	0.005	10113	0.08	0.016
			fragments of quartz-diorite. 2% pyrite.	160	170	10	11033	0.09	0.002		10114	0.09	0.013
220	262	90%	2-4" sections of core. Fine-medium grained quartz-	170	180	10	11034	0.07	0.003	Tr	10115	0.10	0.011
			diorite. Clay altered with minor sericite, greenish	180	190	10	11035	0.08	0.002		10116	0.09	0.008
			white. Chlorite occurs with pyrite along a few	190	200	10	11036	0.09	0.002	0.005	10117	0.10	0.004
			fracture planes. 1% pyrite occurs as disseminations.	200	210	10	11037	0.08	0.001		10118	0.11	0.004
				210	220	10	11038	0.12	0.007	0.005	10119	0.11	0.010
262	273	95%	Good recovery, 1' sections of core. Siliceous cream-grey	220	230	10	11039	0.10	0.017		10120	0.11	0.023
			feldspar porphyry. Phenocrysts of slightly clay	230	240	10	11040	0.07	0.002	Tr	10121	0.08	0.012
			altered white feldspar are anhedral (resorbed?) and	240	250	10	11041	0.11	0.002		10122	0.11	0.002
			make up ≈ 15% of rock. Pyrite occurs as small	250	260	10	11042	0.13	0.007	Tr			

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-13
CLAIM NAME Dome 69
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au	Sludge No.
			disseminated clusters. (< 1%). Feldspar porphyry	260	270	10	11043	0.09	0.002		
			dyke is cut by numerous pinkish feldspathic veinlets								
			(secondary K-spar?) especially near contacts. Contact								
			at 262' is 45° to core axis. Lower contact broken.								
			Minor molybdenite in feldspathic veinlets.								
273	283	75%	Broken core. Greenish-grey clay (kaolin) altered quartz-	270	280	10	11044	0.10	0.002	Tr	
			diorite. Minor pyrite.	280	290	10	11045	0.08	0.004		
283	317	60%	Extremely broken section. Clay, sand and pebble size	290	300	10	11046	0.07	0.005	Tr	
			fragments of quartz-diorite? 2% pyrite.	300	310	10	11047	0.09	0.019		
				310	320	10	11048	0.08	0.002	0.01	
317	334	95%	4-6" pieces of moderately clay altered quartz-diorite.	320	330	10	11049	0.07	0.003		
			1% pyrite.								
334	340	70%	Feldspar porphyry. White, slightly clay altered anhedral	330	340	10	11050	0.07	0.004	0.005	
			phenocrysts of feldspar in highly siliceous micro-								
			crystalline matrix. < 1% finely disseminated pyrite.								
			Both contacts broken.								
340	361.4	80%	Quartz-diorite. Minor disseminated pyrite. Highly clay,	340	350	10	11051	0.15	0.002		

Diamond Drill Record

COLLAR:
NORTH
EAST
ELEVATION
LOGGED BY
DATE LOGGED
MAP REFERENCE NO.

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
METHOD		

COMPANY NAME: AREA EXPLORATION COMPANY
PROPERTY NAME: Mount Nansen
DRILLING CONTRACTOR:
ASSAYER:
PURPOSE OF HOLE:

HOLE NO.: CD-13
CLAIM NAME: Dome 69
COMMENCED:
FINISHED:
PROJECT NO.: 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au	Sludge No.
			minor sericite altered. A few pinkish feldspathic								
			veinlets cut the diorite at all angles as does grey	350	360	10	11052	0.18	0.002	0.005	
			quartz fracture fillings. Minor molybdenite.								
361.4	372	60%	Feldspar porphyry. Small phenocrysts of white feldspar	360	370	10	11053	0.08	0.010		
			are anhedral-subhedral, moderately clay altered.								
			Siliceous matrix. 1% pyrite as fine disseminations								
			and fracture coatings. Sharp contacts (slightly								
			chilled) 45° to core axis at top, 60° to core axis								
			at bottom.								
372	377.6	85%	Quartz diorite. Moderately clay altered to greyish white	370	380	10	11054	0.08	0.002	Tr	
			colour. < 1% disseminated pyrite.								
377.6	381	90%	Siliceous feldspar porphyry. Small resorbed, clay altered								
			phenocrysts. Trace molybdenite.								
381	396	95%	Silicified clay (kaolin) altered quartz diorite. Medium	380	390	10	11055	0.07	0.002		
			grained, minor disseminated pyrite.								
396	427	90%	6" sections of core. Quartz-diorite, silicified and	390	400	10	11056	0.11	0.019	0.005	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME: Area Exploration Company
PROPERTY NAME: Mount Nansen
DRILLING CONTRACTOR:
ASSAYER:
PURPOSE OF HOLE:

HOLE NO. CD-13
CLAIM NAME Dome 69
COMMENCED:
FINISHED:
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au	Sludge No.
			mildly clay altered. Cut by several 1/2" quartz	400	410	10	11057	0.16	0.002		
			stringers and a few pinkish feldspar veinlets. At	410	420	10	11058	0.15	0.019	0.005	
			413 - 1/2" seam of pyrite with minor moly at 45° to								
			core axis.								
427	476	98%	Competent core, only mildly clay altered quartz-diorite.	420	430	10	11059	0.12	0.009		
			Minor moly associated with a few grey quartz stringers.	430	440	10	11060	0.10	0.010	0.005	
			Molybdenite commonly occurs along edges of veinlets.	440	450	10	11061	0.09	0.016		
			Pyrite (1%) as disseminations.	450	460	10	11062	0.12	0.007	0.005	
476	492	90%	Highly broken section. Clay, sand and pebble size frag-	460	470	10	11063	0.11	0.005		
			ments of quartz-diorite. Minor pyrite.	470	480	10	11064	0.15	0.004	0.005	
				480	490	10	11065	0.07	0.011		
492	498.5	95%	2-3" sections of moderately clay altered greenish grey	490	500	10	11066	0.07	0.011	Tr	
			white quartz diorite. Minor moly with grey quartz	500	510	10	11067	0.10	0.003		
			fracture fillings.								
498.5	510	99%	Mildly altered (chlorite, clay) mesocratic, medium								
			grained quartz diorite. Minor disseminated pyrite.								
			Moly occurs with minor 1/32-1/4" quartz veinlets.								

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME: Area Exploration Company
PROPERTY NAME: Mount Nansen
DRILLING CONTRACTOR:
ASSAYER:
PURPOSE OF HOLE:

HOLE NO.: CD-13
CLAIM NAME: Dome 69
COMMENCED:
FINISHED:
PROJECT NO.: 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au	ASSAYS	Sludge No.		
510	520	98%	Moderately clay altered quartz diorite. Minor disseminated pyrite.	510	520	10	11068	0.06	0.017	Tr				
			END OF HOLE											

Diamond Drill Record

COLLAR:
NORTH 288N
EAST 220W
ELEVATION 3,740 ASL
LOGGED BY R. Dickinson
DATE LOGGED 10/10/72
MAP REFERENCE NO. 115-I-3

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
502'	Vertical	
METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling Ltd.
ASSAYER Bondar-Clegg & Co. Ltd.
PURPOSE OF HOLE To test copper soil anomaly, rim of I.P. metal factor halo

HOLE NO. CD-14
CLAIM NAME Betty 29
COMMENCED Oct. 7, 1972
FINISHED Oct. 11, 1972
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			BW casing to 100'							
0	100	0	Overburden							
100	145	98%	Good recovery. 6" sections of core common. Silicified breccia. Sub-angular fragments of quartz rich granodiorite (adamellite) and lesser quartz feldspar porphyry. Fragments make up ≈ 70% or rock and commonly of pebble-cobble size. Matrix is grey highly siliceous rock flour?, microcrystalline. Silicates are strongly argillized (Kaolin), no mafics remain although there is a trace of chlorite. Fragments have thin white cooked rims. Section shows evidence for at least two generations of primary sulphide deposition. Some fragments have thin pyrite fracture fillings which are cut by matrix. Disseminated pyrite occurs (1-4%) throughout rock. Rare chalcopyrite. Chalcocite-covellite thinly coats pyrite at 102, 104, 108, 109. Black manganese? looking films occur on fracture planes to 126.	100	110	10	11069	0.03	0.001	
				110	120	10	11070	0.03	0.001	0.005
				120	130	10	11071	0.05	0.001	
				130	140	10	11072	0.02	0.001	Tr
				140	150	10	11073	0.02	0.001	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME: Area Exploration Company
PROPERTY NAME: Mount Nansen
DRILLING CONTRACTOR:
ASSAYER:
PURPOSE OF HOLE:

HOLE NO. CD-14
CLAIM NAME Betty 29
COMMENCED:
FINISHED:
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
145	255	98%	Good recovery, competent, 1-2' sections of core. Silicified breccia. Silicates within fragments are only moderately argillized. Rims of fragments are vague. Fragments of predominantly adamellite increasing in size (cobble-boulder) with depth. Matrix predominantly quartz. Fragments make up 80-90% of rock. Disseminated pyrite (3%) throughout. (Occurs commonly as small clusters). Breccia has not been extensively refractured. Minor fractures do have pyrite fillings. Rare chalcopyrite.	150	160	10	11074	0.02	0.001	Tr
				160	170	10	11075	0.02	0.001	
				170	180	10	11076	0.02	0.001	Tr
				180	190	10	11077	0.05	0.001	
				190	200	10	11078	0.03	0.001	0.005
				200	210	10	11079	0.02	0.001	
				210	220	10	11080	0.02	0.001	0.005
				220	230	10	11081	0.02	Tr	
				230	240	10	11082	0.02	0.001	Tr
				240	250	10	11083	0.02	Tr	
255	256	95%	Grey-black clay gouge zone trending 30° to core axis.	250	260	10	11084	0.06	0.001	0.005
256	271	95%	Broken section, pebble size fragments of strongly argillized breccia.	260	270	10	11085	0.02	0.001	
271	283	98%	Excellent recovery, 8" sections of core, breaking along mild fracturing. Silicified breccia. Fragments sub-angular (vague) make up 90% of rock and are predominantly quartz-feldspar porphyry. Fragments are mildly argillized. 1-2% disseminated pyrite.	270	280	10	11086	0.02	Tr	Tr

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME: Area Exploration Company
PROPERTY NAME: Mount Nansen
DRILLING CONTRACTOR:
ASSAYER:
PURPOSE OF HOLE:

HOLE NO. CD-14
CLAIM NAME Betty 29
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
283	292	90%	Broken core, 2-3" sections common. Moderately argillized porphyry breccia. Clay coats fractures. 1% pyrite.	280	290	10	11087	0.02	0.001	
292	312	99%	Excellent recovery. Porphyry breccia. Sub-angular fragments completely porphyritic and strongly welded into matrix so outlines can just be vaguely determined. Matrix mostly microcrystalline grey quartz, 1-2% disseminated pyrite, rare chalcopyrite. <.5% dark black specks associated with chalcopyrite and as fine disseminations (magnetite?).	290	300	10	11088	0.01	0.001	Tr
				300	310	10	11089	0.01	0.001	
312	333	98%	Good recovery, 6" sections of core. Silicified breccia grading to sections of quartz-feldspar porphyry. Erratic intensity of clay alteration. Sericite on several fracture planes. Pyrite, 1%.	310	320	10	11090	0.02	0.001	0.005
				320	330	10	11091	0.03	0.001	
333	370	99%	Excellent recovery, 1' sections common breaking along mild fracturing. Silicified pebble-cobble breccia. Strong silicification and alteration of rounded fragments make fragments just visible. Fragments are quartz-feldspar porphyry. Matrix is mainly cream-grey	330	340	10	11092	0.01	0.001	0.005
				340	350	10	11093	0.03	0.001	
				350	360	10	11094	0.04	0.001	Tr
				360	370	10	11095	0.04	0.002	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-14
CLAIM NAME Betty 29
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			quartz and minor rock flour. Pyrite (2-3%) is disseminated throughout rock but commonly found replacing rock fragments. Small amounts of dark grey black mineralization (magnetite?) commonly borders pyrite clusters. Some fragments are hematite stained. Trace of galena on fracture at 361'.							
370	376	95%	Highly broken section, 1" to pebble size fragments of pebble breccia as above.	370	380	10	11096	0.02	0.001	Tr
376	443	98%	Excellent recovery, 1-2' sections of core. Strongly silicified pebble breccia. Visible fragments make up 50% of rock. Fragments are quartz-feldspar porphyry often hematite stained. A 1/4" veinlet of sphalerite, galena, pyrite, quartz cuts core axis at 80° at 377.8'.	380	390	10	11097	0.02	0.001	
				390	400	10	11098	0.01	0.001	Tr
				400	410	10	11099	0.01	0.001	
				410	420	10	11100	0.01	Tr	Tr
443	446	95%	Highly broken section, 1"-pebble size fragments. Silicified breccia. Pyrite 1%.	420	430	10	10101	0.01	0.001	
				430	440	10	10102	0.02	0.001	0.005
				440	450	10	10103	0.01	0.001	
446	502	99%	Excellent recover, 1-2' sections of core. Pebble breccia. Highly siliceous, medium grey, micro-	450	460	10	10104	0.01	0.001	Tr
				460	470	10	10105	0.02	0.001	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-14
CLAIM NAME Betty 29
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			crystalline matrix. Rounded pebble size fragments	470	480	10	10106	0.03	0.001	Tr
			of quartz-feldspar porphyry. Mild clay alteration	480	490	10	10107	NO SAMPLE		
			of feldspar phenocrysts. Fragments are vaguely	490	502	12	10108	0.02	0.001	0.005
			defined within matrix. Pyrite 1-3% commonly found							
			replacing fragments. Minor magnetite? often bordering							
			clusters of pyrite crystals. Breccia has been mildly							
			fractured and healed again with quartz fracture							
			fillings.							
			END OF HOLE							

PROJECT NAME:
MOUNT NANSEN

D.D.H. CD-15

Date: September 1973
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
9851	CD-15	35- 40	0.01	0.002							
9852		40- 50	0.02	0.002							
9853		50- 60	0.04	0.011							
9854		60- 70	0.07	0.013							
9855		70- 80	0.10	0.019							
9856		80- 90	0.11	0.016							
9857		90-100	0.14	0.007							
9858		100-110	0.14	0.020							
9859		110-120	0.07	0.021							
9860		120-130	0.05	0.064							
9861		130-140	0.14	0.025							
9862		140-150	0.08	0.024							
9863		150-160	0.09	0.012							
9864		160-170	0.09	0.017							
9865		170-180	0.17	0.050							
9866		180-190	0.05	0.038							
9867		190-200	0.06	0.002							
9868		200-210	0.08	0.016							
9869		210-220	0.12	0.013							
9870		220-230	0.14	0.014							
9871		230-240	0.12	0.016							
9872		240-250	0.10	0.002							
9873		250-260	0.15	0.003							
9874		260-270	0.10	0.002							
9875		270-280	0.04	0.001							
9876		280-290	0.06	0.001							
9877		290-300	0.14	0.001							
9878		300-310	0.08	0.001							
9879		310-320	0.06	0.002							
9880		320-330	0.09	0.002							
9881		330-340	0.05	0.002							
9882		340-350	0.05	0.001							
9883		350-360	0.04	0.002							
9884		360-370	0.12	0.005							
9885		370-380	0.12	0.002							
9886		380-390	0.08	0.003							
9887		390-400	0.10	0.003							

PROJECT NAME:

MOUNT NANSEN D.D.H. CD-15

Date: September 1973
Month Year

ASSAY TAG #	D.D.H.	FOOTAGE	Cu	Mo	Au						P.O.
9888	CD-15	400-410	0.06	0.001							
9889		410-420	0.07	0.002							
9890		420-430	0.05	0.002							
9891		430-440	0.01	0.002							
9892		440-450	0.02	0.002							
9893		450-460	0.08	0.001							
9894		460-470	0.06	0.006							
9895		470-480	0.03	0.026							
9896		480-490	0.08	0.023							
9897		490-500	0.06	0.046							
9898		500-510	0.06	0.017							
9899		510-520	0.10	0.050							
9900		520-530	0.11	0.015							
9901		530-540	0.03	0.003							
9902		540-550	0.01	0.002							
9903		550-560	0.04	0.001							
9904		560-570	0.06	0.001							
9905		570-580	0.03	0.002							
9906		580-590	0.04	0.001							
9907		590-600	0.03	0.034							
9908		600-610	0.03	0.033							
9909		610-620	0.02	0.047							
9910		620-630	0.01	0.024							
9911		630-640	0.01	0.019							
9912		640-650	0.01	0.014							
9913		650-660	0.02	0.023							
9914		660-670	0.02	0.014							
9915		670-680	0.01	0.026							
9916		680-693	0.02	0.016							

Diamond Drill Record

COLLAR:		HOLE SURVEY		
		FOOTAGE	AZIMUTH	DIP
NORTH	206N	0		-90
EAST	165W	to		
ELEVATION	4360'	693		
LOGGED BY	P. F. Lewis			
DATE LOGGED	Sept/73			
MAP REFERENCE NO.	115-I-3	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling Ltd.
ASSAYER Bondar-Clegg & Co. Ltd.
PURPOSE OF HOLE To test surface molybdenum mineralization exposed in trench.

HOLE NO. CD-15
CLAIM NAME Dome 48
COMMENCED Sept 16, 1973
FINISHED Sept 20, 1973
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	ASSAYS Mo%
		90-100%	unless otherwise indicated						
0	32		NW casing						
0	40		BW casing						
0	35		Overburden						
35	55		Quartz-feldspar porphyry. Cream clay psuedomorphs (1/10")	35	40	5	9851	0.01	0.002
			after feldspar in a light grey silicified groundmass. Rare	40	50	10	9852	0.02	0.002
			rounded quartz eyes and cream clay zenoliths (1/2").	50	60	10	9853	0.04	0.011
			Clay alteration along fractures, no vugs or oxide.						
			35-49 - no sulphides, minor sericite						
			49-55 - fine disseminated sulphides and abundant sericite.						
			Zoned psuedomorphs indicate original feldspar was plagio-						
			clase in part at least. Relatively phenocryst poor - may be						
			a chilled margin.						
55	186		Granitic intrusive. Medium-coarse grained, approx. 30% quartz	60	70	10	9854	0.07	0.013
			in a kaolinitic matrix after feldspar. Minor coarse sericite.	70	80	10	9855	0.10	0.019
			Silicification and silica veining with associated molybdenite	80	90	10	9856	0.11	0.016
			mineralization. Approx. 2% pyrite, some with black	90	100	10	9857	0.14	0,007
			(manganiferous?) coating. Trace chalcopyrite. Molybdenite	100	110	10	9858	0.14	0.020
			occurs as a fine dusting in silica blebs or as a coarser core	110	120	10	9859	0.07	0.021
			in silica veins, e.g., at 75.6, 78-80, 113, 114-115 (veins),	120	130	10	9860	0.05	0.064
			115-119 (disseminated blebs), 119-130 (abundant veins	130	140	10	9861	0.14	0.025

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-15
CLAIM NAME Dome 48
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	ASSAYS Mo%
			especially 125-126), 136.6, 139, 144, 149.3, 150.6, 151.6,	140	150	10	9862	0.08	0.024
			153.6, 170-176 (associated with silica fragments or zeno-	150	160	10	9863	0.09	0.012
			liths), 185.	160	170	10	9864	0.09	0.017
			Strongly argillized, consisting of quartz in soft clay, from 58-61,	170	180	10	9865	0.17	0.050
			101-105 (shear zone), 116-119, 150-151.6, 152-185	180	190	10	9866	0.05	0.038
			(especially 180.6-188, with 183-184 sand).	190	200	10	9867	0.06	0.002
			Strongly silicified, after argillic alteration, from 72-80, 119-130	200	210	10	9868	0.08	0.016
			(especially 125-126), 135-137, 180-180.6.	210	220	10	9869	0.12	0.013
			147-149 - Medium grey quartz-feldspar porphyry, rare quartz	220	230	10	9870	0.14	0.014
			eyes and relatively phenocryst poor.	230	240	10	9871	0.12	0.016
186	466.6		Quartz-feldspar porphyry. As 35-55 with abundant grey silica	240	250	10	9872	0.10	0.002
			veining, blebs and fragments. Pervasively silicified from	250	260	10	9873	0.15	0.003
			207-208, 209.6-211, 218-222, 230-232, 234.6-240, 376-382,	260	270	10	9874	0.10	0.002
			399-401.	270	280	10	9875	0.04	0.001
			Molybdenite occurs as above, e.g., at 209, 209.6, 210, and	280	290	10	9876	0.06	0.001
			throughout the intersection as a trace dissemination.	290	300	10	9877	0.14	0.001
			Chalcopyrite occurs throughout as a trace dissemination and on	300	310	10	9878	0.08	0.001
			late fracture surfaces, e.g., at 321, 387-387.6, 416-418.	310	320	10	9879	0.06	0.002
			Strong argillic alteration from 232-234.6, 428-429, 431-466.6.	320	330	10	9880	0.09	0.002
			Complete argillic alteration to a white clay with relic quartz	330	340	10	9881	0.05	0.002
			eyes, with subsequent mild silicification and mineralization,	340	350	10	9882	0.05	0.001

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-15
CLAIM NAME Dome 48
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	ASSAYS Mo%
			from 240-253, 265.6-270, 334-337.6, 340-343, 373-376,	350	360	10	9883	0.04	0.002
			382-391.	360	370	10	9884	0.12	0.005
366	368	70%							
368	373	5%		370	380	10	9885	0.12	0.002
373	375	70%							
			438-439, 450-466 - Apparently fairly fresh quartz-feldspar	380	390	10	9886	0.08	0.003
			porphyry with fine disseminated pyrite and apparent flow	390	400	10	9887	0.10	0.003
			banding - may be a later dyke.	400	410	10	9888	0.06	0.001
466.6	526		Altered granitic intrusive. May be altered porphyry in part.	410	420	10	9889	0.07	0.002
			Distinguished by lack of rounded quartz eyes and euhedral	420	430	10	9890	0.05	0.002
			feldspar psuedomorphs.	430	440	10	9891	0.01	0.002
			Trace chalcopyrite & molybdenite throughout, minor chalcopyrite	440	450	10	9892	0.02	0.002
			from 466.6-467.6, 510. Minor molybdenite at 470-471,	450	460	10	9893	0.08	0.001
			485, 486-487, 489.6, 490-516 associated with silica	460	470	10	9894	0.06	0.006
			flooding, veining and fragments.	470	480	10	9895	0.03	0.026
			Pervasive silicification from 466.6-469, 477-482, 497-503.6,	480	490	10	9896	0.08	0.023
			508-516, 520, 526.	490	500	10	9897	0.06	0.046
			Strongly argillized from 503.6-507, 516-520. Rest of intersection	500	510	10	9898	0.06	0.017
			shows incomplete silicification of argillized intrusive.	510	520	10	9899	0.10	0.050
			Gypsum veins at 484, 5% pyrite 471-473.6.	520	530	10	9900	0.11	0.015
526	587		Altered quartz-feldspar porphyry. White silicified argillic						

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-15
CLAIM NAME Dome 48
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	ASSAYS Mo%
			alteration as 240-253, etc., from 526-534.6, 540.6-542,	530	540	10	9901	0.03	0.003
			563-587.	540	550	10	9902	0.01	0.002
			534.6-540.6 - apparently fairly fresh porphyry with flow banding,	550	560	10	9903	0.04	0.001
			mid-grey groundmass, and fine disseminated pyrite as 438-	560	570	10	9904	0.06	0.001
			439, 450-466. With sand from 538.6-540.	570	580	10	9905	0.03	0.002
			Pervasively silicified from 542-563.	580	590	10	9906	0.04	0.001
			Trace chalcopyrite, molybdenite overall with minor molybdenite	590	600	10	9907	0.03	0.034
			at 531-532 and chalcopyrite-pyrite veins (1/10") at 566 and	600	610	10	9908	0.03	0.033
			566.6.	610	620	10	9909	0.02	0.047
			Gypsum vein at 570.6.						
587	693		Altered granitic intrusive. Pervasively silicified from 587-606.	620	630	10	9910	0.01	0.024
			Strongly argillized from 611-613, 692 (shear). Rest of inter-	630	640	10	9911	0.01	0.019
			section mildly or partially silicified. Molybdenite occurs	640	650	10	9912	0.01	0.014
			commonly in silica veins and blebs throughout the intersection.	650	660	10	9913	0.02	0.023
			Chalcopyrite generally occurs as a trace dissemination or as	660	670	10	9914	0.02	0.014
			late veins with pyrite, e.g., at 597, 657.6, 663, 674, 690.	670	680	10	9915	0.01	0.026
			613-614.6 - porphyry as at 438-439, 450-466, 534.6-540.6.	680	693	13	9916	0.02	0.016
			693' END OF HOLE						

Diamond Drill Record

COLLAR:		HOLE SURVEY		
NORTH	266N	FOOTAGE	AZIMUTH	DIP
EAST	344W	0	290°	-60
ELEVATION	4400'	to		
LOGGED BY	P. F. Lewis	600	no tests.	
DATE LOGGED	Sept/73			
MAP REFERENCE NO.	115-I-3	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling Ltd.
ASSAYER Bondar-Clegg & Co. Ltd.
PURPOSE OF HOLE To test centre of Cu & Mo soil anomaly rings

HOLE NO. CD-16
CLAIM NAME BIT 6
COMMENCED Sept 23/73
FINISHED Sept 28/73
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	ASSAYS Mo%
		90-100%	unless otherwise indicated						
0	12		NW casing						
0	40		BW casing						
0	19		Overburden						
19	22	70%							
23	27	50%							
27	40	30%							
19	33		Broken and incomplete recovery of unaltered biotite-plagioclase	19	30	11	9926	0.02	0.003
			andesite porphyry (transported boulders?) and silicified feld-						
			spar porphyry as below.						
33	47		Silicified feldspar porphyry. Highly silicic, dark grey, massive,						
			with cloudy "ghost" relic feldspar phenocrysts. Accessory						
			disseminated magnetite and coarse (1/10") euhedral biotite,						
			probably both part of the alteration assemblage. Random						
			silica veins, trace epidote, pyrite.						
			40-48 - 50%	40	50	10	9927	0.01	0.006
47	54.6		Argillized feldspar porphyry. Pervasive oxide staining, probably						
			after primary oxides and/or sulphides. Brown to cream, with						
			large fresh secondary biotite looks as above. Some post-						
			argillization silicification leaving kaolinitic psuedomorphs						
			after feldspar set in a silicic matrix. Good relic porphyry						

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-16
CLAIM NAME BIT 6
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Cu%	Mo%					
			texture in places.											
48	51.6	10%												
51.6	53	70%												
54.6	60		Silicified, argillized feldspar porphyry. Rusty cream kaolinite											
			psuedomorphs after feldspar in a grey highly silicic matrix.											
60	60.6		Silicified porphyry, as 33-47	60	70	10	9928	0.01	0.008					
60.6	62.6		Argillized porphyry, as 47-54.6											
62.6	82		Silicified porphyry, as 33-47. Some sections show a silicified											
			alteration texture rather than a primary porphyritic texture.											
82	86	50%		80	90	10	9929	0.01	0.008					
82	85		Argillized porphyry											
85	88		Silicified argillized porphyry, as 54.6-60											
88	94		Silicified porphyry											
94	98		Argillized porphyry. Mildly silicified, except for 95-96 which is											
			intensely argillized with pervasive oxide stain.											
98	104.6		Silicified porphyry	100	110	10	9930	0.02	0.008					
104.6	107		Intensely argillized porphyry, as 95-96.											
107	109		Silicified porphyry, some good relic texture.											
109	110	50%	Argillized porphyry											
110	113		Silicified porphyry, as 107-109											
113	114		Argillized porphyry											

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-16
CLAIM NAME BIT 6
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	ASSAYS Mo%
114	117		Silicified porphyry, as 107-109						
117	118		Argillized porphyry						
118	129.6		Silicified porphyry, as 107-109	120	130	10	9931	0.01	0.005
129.6	132		Silicified porphyry, less pervasively than above with some oxide stain.						
132	133	50%	Intensely argillized, as 95-96						
133	134		Silicified, as 107-109						
134	146		Silicified porphyry, as 33-47	140	150	10	9932	0.01	0.004
146	150	70%	Intensely argillized, as 95-96						
150	162		Silicified porphyry, as 33-47	160	170	10	9933	0.01	0.004
162	168.6		Silicified porphyry, as 107-109, with some intensely argillized oxide-stained material						
168.6	169.6		Intensely argillized, as 95-96						
169.6	176		Argillized porphyry, mildly silicified after argillization						
176	176.6		Silicified porphyry, as 107-109						
176.6	180		Silicified porphyry, as 33-47	180	190	10	9934	0.01	0.007
180	181.6		Oxide stained clay						
181.6	182.6		Argillized, as 169.6-176						
182.6	184.6		Oxide stained clay						
184.6	198		Argillized, as 169.6-176						
184.6	188	50%							

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME: Area Exploration Company
PROPERTY NAME: Mount Nansen
DRILLING CONTRACTOR:
ASSAYER:
PURPOSE OF HOLE:

HOLE NO. CD-16
CLAIM NAME BIT 6
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	ASSAYS Mo%
188	191	5%							
191	193	30%							
193	197.6	5%							
197.6	203	30%		200	210	10	9935	0.01	0.004
198	201.6		Intensely altered with post-alteration pervasive silicification.						
201.6	205		Silicified porphyry with good relic texture, as 107-109.						
205	217.6		Silicified porphyry with 'ghost' texture, as 33-47						
217.6	218.6		Argillized porphyry, with later silicification, as 169.6-176.						
218.6	219.6		Silicified, as 33-47						
219.6	221		Argillized and silicified, as 169.6-176	220	230	10	9936	0.01	0.004
221	228		Silicified, as 33-47, with oxide-stained clay at 225' (1") and						
			from 226 to 227.						
228	233		Oxide-stained clay. Cream to orange, with close grey silica veining.						
233	236		Argillized and silicified, as 169.6-176.						
236	237		Silicified, as 107-109						
237	246.6		Oxide-stained clay, as 228-233	240	250	10	9937	0.01	0.005
246.6	247.6	Nil							
247.6	288		Silicified porphyry, as 33-47. Oxide-stained argillized sections	260	270	10	9938	0.01	0.004
			258-260, 263-265. Trace chalcopyrite at 263 (in hairline	280	290	10	9939	0.01	0.004
			pyrite vein) and 268 (as a bleb in the silicified groundmass).						
			Heavily altered prior to silicification from 273-281.						

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-16
CLAIM NAME BIT 6
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	ASSAYS Mo%
288	292		Intense argillic alteration followed by intense silica veining - rock						
			is white to rusty cream with grey veins. Oxidized pyrite						
			veins from 290 to 292.						
292	304		Pervasive silicification and veining of thoroughly altered grey-	300	310	10	9940	0.01	0.004
			green material.						
304	313.6		Veined argillized porphyry (?), as 288-292, with oxide-stained						
			clay from 310 to 310.3.						
313.6	318		Silicified grey-green alteration product, as 292-304						
318	379		Silicified, biotite-magnetite bearing porphyry as 247.6-288. Trace	320	330	10	9941	0.01	0.004
			to minor chalcopyrite in quartz-pyrite veins at 329, 331.6,	340	350	10	9942	0.02	0.005
			336, 336.6, 340, 349, 350.9, 351.3, 354, 363, 363.6, 366.6,	360	370	10	9943	0.03	0.004
			367-370, 376, 377.						
379	392		Argillized porphyry, oxide-stained, grey silica veining.	380	390	10	9944	0.03	0.004
392	412		Silicified grey-green alteration product, as 292-304, with grey	400	410	10	9945	0.02	0.007
			silica veins and oxidized pyrite veins. Trace chalcopyrite in						
			quartz-pyrite vein at 395. Some oxide stained sections.						
412	430		Silicified porphyry, as 33-47, 247.6-288, etc.	420	430	10	9946	0.01	0.004
430	432.6	70%	Oxide-stained clay						
432.6	436	70%	Silicified porphyry, with oxide-stained clay blebs						
436	454.6		Intensely argillized porphyry, cream coloured	440	450	10	9947	0.01	0.005
436	438	70%							

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-16
CLAIM NAME BIT 6
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	Mo%	Au	Ag	Pb%	Zn%
438	441	Nil											
441	448	50%											
448	449	Nil											
449	451	50%											
451	452.6	Nil											
452.6	454.6	70%											
454.6	455		Silicified porphyry, as 33-47.										
455	458		Oxide-stained clay										
458	466		Intensely altered, then silicified porphyry(?), as 288-292.	460	470	10	9948	0.01	0.005				
			Grey silica veins in a cream matrix.										
466	468.6		Silicified porphyry, as 33-47										
468.6	476		Intensely altered and silicified, as 458-466.	470	480	10	9949	0.01	0.004				
			469.6-472 - sand, 1/4" galena-sphalerite-pyrite veins at 475.6,										
			476.										
476	477.6		Oxide-stained, argillized porphyry.										
477.6	507		Silicified porphyry, as 33-47. Trace chalcopyrite in quartz-pyrite	480	490	10	9950	0.01	0.003				
			vein at 486, 1/10" quartz-pyrite-sphalerite vein at 490.3.	500	510	10	24551	0.02	0.004	Tr	0.09	L0.05	0.08
507	514		Intensely altered, and silica veined as 458-466.										
514	600		Silicified porphyry, as 33-47. Trace chalcopyrite in quartz-pyrite	520	530	10	24552	0.01	0.004	Tr	0.05	L0.05	L0.05
			veins at 516.6, 520.6, 531, 537 (with trace galena), 544, 550,	540	550	10	24553	0.01	0.004	Tr	0.05	L0.05	L0.05
			552.3 (with trace sphalerite), 554, 556.6, 557.6, 558, 572.6,	560	570	10	24554	0.01	0.004	Tr	0.03	L0.05	L0.05

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-16
CLAIM NAME BIT 6
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Cu%	Mo%	Au	Ag	Pb%	Zn%
			575, 575.6, 577 (with trace sphalerite), 580 (with trace	580	590	10	24555	0.01	0.003	Tr	0.07	L0.05	L0.05
			sphalerite). Trace galena and/or sphalerite at 539, 542.6,										
			547, 579.6, 598.6. Relic porphyritic texture good from										
			571 to 600.										
			600' END OF HOLE										

Diamond Drill Record

COLLAR:		HOLE SURVEY		
		FOOTAGE	AZIMUTH	DIP
NORTH	304N	0	-	-90
EAST	212W	to		
ELEVATION	3800'	603		
LOGGED BY	G. Jilson			
DATE LOGGED	Oct/73			
MAP REFERENCE NO.	115-I-3	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling Ltd.
ASSAYER Bondar-Clegg & Co. Ltd.
PURPOSE OF HOLE To test centre of Cu & Mo Soil Anomaly Rings.

HOLE NO. CD-17
CLAIM NAME G.S. 16 FR
COMMENCED Sept 30/73
FINISHED Oct 6/73 p.m.
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	ASSAYS Mo%
0	58	Nil	Overburden						
58	98	~100%	Hornblende granodiorite (to quartz monzonite?) - medium grained	60	70	10	24576	0.10	0.004
			equigranular; about 15% hornblende, partly altered to chlorite	80	90	10	24577	0.08	0.002
			or epidote - feldspars cloudy, K-feldspar with slight pink						
			cast. Generally contains ~5% pyrite, fine to medium grained						
			and anhedral as disseminations in and near mafics and on						
			fracture surfaces, most pyritized fractures make an angle						
			of ~ 45° with core axis and some have bleached margin -						
			rare quartz veins - chalcopyrite occurs very rarely as trace						
			disseminations.	100	110	10	24578	0.07	0.001
98	112	90%	Felsite grading into feldspar porphyry - light grey green - fine	120	130	10	24579	0.10	0.004
			grained, few % euhedral pyrite - trace chalcopyrite.	140	150	10	24580	0.05	0.001
112	131	~100%	Granodiorite as above.	160	170	10	24581	0.03	0.009
131	156	90%	Felsite and feldspar porphyry.	180	190	10	24582	0.06	0.025
			140-166 - Core broken, some loss locally.	200	210	10	24583	0.05	0.066
156	296		Granodiorite as above - tends to be more altered near porphyry	220	230	10	24584	0.10	0.005
			dyke - becomes moderately to strongly kaolinized near 198' -	240	250	10	24585	0.10	0.006
			becomes quite strongly kaolinized below 215'.	260	270	10	24586	0.07	0.011
			Quartz pyrite MoS_2 vein at 216'.	280	290	10	24587	0.06	0.008
			The more strongly altered granodiorite tends to have less pyrite -						
			1-2%.						

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-17
CLAIM NAME G.S. 16 FR
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu%	ASSAYS Mo%
			220-250 - Core locally badly broken.						
			Abruptly becomes only weakly kaolinized at 268'.						
			287'-296' - somewhat more altered.	300	310	10	24588	0.04	0.005
296	603	90%	Feldspar porphyry - light grey - consists of kaolinized feldspar	320	330	10	24589	0.07	0.004
			phenocrysts composing about 20% of rock set in light grey	340	350	10	24590	0.05	0.011
			highly silicic matrix - contains 1-2% euhedral and subhedral	360	370	10	24591	0.04	0.004
			pyrite and in few fractures with anhedral pyrite coatings.	380	390	10	24592	0.05	0.007
			MoS_2 on fracture surface at 323' and at 371'.	400	410	10	24593	0.03	0.005
			Below 380' with particularly noticeable glossy quartz in some	420	430	10	24594	0.04	0.004
			zones. Several different types of porphyry are present but	440	450	10	24595	0.12	0.045
			none is particularly more mineralized than another - degree	460	470	10	24596	0.04	0.008
			of kaolinization does vary considerably.	480	490	10	24597	0.04	0.005
			Minor MoS_2 near 560' and 572'.	500	510	10	24598	0.05	0.006
			330-360 - core badly broken	520	530	10	24599	0.07	0.005
			338-339, 340-345 - no recovery	540	550	10	24600	0.05	0.007
			530-570 - core badly broken, poor recovery	560	570	10	24601	0.02	0.008
				580	590	10	24602	0.03	0.007
				590	603	13	24603	0.07	0.008
			603' END OF HOLE						

Diamond Drill Record

COLLAR: Mount Nansen Grid	HOLE SURVEY		
NORTH 7200 South	FOOTAGE	AZIMUTH	DIP
EAST 1500 West	400	045	-50°
ELEVATION 3900			
LOGGED BY R. A. Dickinson			
DATE LOGGED 9/8/72			
MAP REFERENCE NO 115-I-3	METHOD		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling Ltd.
ASSAYER Bondar-Clegg & Company Ltd.
PURPOSE OF HOLE Test geochem extension of Mt. Nansen vein zone, assessment

HOLE NO. CD-11
CLAIM NAME Jeff 7
COMMENCED August 3, 1972
FINISHED August 6, 1972
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
0	20	-	Overburden. BW casing to 60'.					
20	27	85	Broken core, 1" sections, pebble size fragments. Oxidized, limonite stained, supergene clay altered, biotite-plagioclase schist. Biotite altered to chlorite. Fine grained.	20	30	10		
27	44	90	Extremely broken core, soft, crumbly, pebble size fragments of clay altered biotite schist.	30	40	10		
44	45	50	Greyish-black, graphitic, clayey gouge zone.					
45	55	95	Very fine grained grey-coloured, biotite-plagioclase schist with poorly developed segregation banding. Bands are commonly 3-4 mm wide. Foliation almost ⊥ to core axis. Slight limonite staining, and minor pyrite along hairline fractures and along foliation planes.	40	50	10		
55	57	80	Broken core, pebble size fragments of fine grained biotite-muscovite schist. Fragments thinly coated with goethite and jarosite.	50	55	5		
57	69	98	Well foliated biotite-muscovite schist. Very fine grained, blackish-grey. Segregation bands of feldspathic material and biotite rich laminae. Minor pyrite. 4" sections of core. At 60-61' fractured-brecciated zone filled with quartz-pyrite and minor chalcopyrite.	55	60	5		
				60	65	5		
			Minor malachite stains quartz.	65	70	5		
69	79	95	Greenish-grey chlorite-muscovite schist. Well foliated and fine grained. Minor pyrite. Core average 3" sections, broken along foliation planes. Sharp contact with -	70	80	10		
				80	90	10		
				90	100	10		

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-11
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu		ASSAYS Au	ASSAYS Ag			
79	168.5	93	Biotite-muscovite schist. Very fine grained, greyish with well	100	110	10	951							
			developed foliation. Minor pyrite along foliation planes. At 134-	110	120	10	952							
			135', quartz-pyrite filled fracture zone. Zone is parallel to	120	130	10	953							
			foliation. Veinlets are up to 1/2". At 84', 1/2" orange-brown	130	135	5	954							
			limonite filled fracture at 30° to core axis.	135	140	5	955							
168.5	169.3	95	Greenish-grey chlorite-muscovite schist. Schistosity changes	140	150	10	956							
			slightly to approximately 80° to core axis.	150	160	10	957							
169.3	174	93	Chlorite schist above grades into biotite-muscovite schist. Good	160	170	10	958							
			recovery 1' long sections.	170	175	5	959							
174	175		Dark greyish black graphitic, clayey gouge zone.	175	180	5	960							
175	176	93	Creamy white feldspathic quartzite with minor disseminated pyrite.	180	185	5	961	0.01		0.005	0.02			
			Fine grained.	185	190	5	962							
176	186	75	Clayey, black-grey graphitic shear zone. Appears to be only minor	190	195	5	963							
			pyrite (<1%), some muscovite.	195	200	5	964							
186	193	93	Creamy-white feldspathic quartzite. Minor disseminated pyrite.	200	205	5	965							
			Sharp contact with -	205	210	5	966							
193	203	93	Very fine grained, well foliated, greyish, biotite muscovite schist.											
			Segregation banding of more feldspathic laminae not well developed.											
			Biotite and muscovite fine grained. At 194, 2" quartz-carbonate											
			stringer parallel to 80° foliation, stained faintly with malachite.											
203	206	35	Graphitic, brecciated shear zone of quartz-pyrite and biotite schist.											

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-11
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
			Minor malachite staining at 206.					
206	211.5	98	Fine grained, grey, well foliated biotite muscovite schist.	210	215	5	967	
211.5	212.5	85	Graphitic shear zone parallel to foliation.	215	220	5	968	
212.5	218		Biotite-muscovite schist. At 217 1" quartz stringer with minor malachite staining. Schistosity changes sharply to 30° to core axis after 3" graphitic gouge zone at 218.					
223.5	224	93	Creamy-white, feldspathic quartzite. Sharp contacts.					
224	237	98	Muscovite rich graphite schist. Good core recovery, 6" sections. Minor pyrite.	220	230	10	969	
237	240	90	Finely banded, biotite-muscovite schist. At 237 foliation reverts back to 70° to core axis after 2" gouge zone. Broken core 2" sections. Minor pyrite and chalcopyrite along hairline fractures at all <'s to core axis, but not intense.	230	240	10	970	
240	277	98	Graphitic, muscovite-biotite schist that grades into biotite schist.	240	250	10	971	
			Biotite is reddish brown. At 240 foliation changes back to 30° to	250	260	10	972	
			core axis after 2" graphitic gouge zone. At 245 feldspathic laminae	260	270	10	973	
			stained with malachite. Minor pyrite, chalcopyrite.	270	275	5	974	
277	293	90	Clayey, grey, black graphitic shear zone. Pebble size fragments.	275	280	5	975	
			Minor pyrite, chalcopyrite and malachite.	280	285	5		
293	298	98	Fine grained, well foliated (60° to core axis), thinly lamellae	285	290	5		
			muscovite schist. Minor pyrite, chalcopyrite and malachite.	290	295	5		

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-11
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
			Section grades into quartzite over 2".	295	300	5		
298	301.5	98	Creamy-white feldspathic quartzite. Minor disseminated pyrite and	300	310	10		
			manganite stain. Grades into -	310	320	10		
301.5	376.5	98	Biotite-muscovite schist. Schist is well foliated at an < of 60-70°	320	330	10		
			to core axis. Biotite muscovite schist grades into biotite schist.	330	340	10		
			Biotite porphyroblasts are reddish brown. Good recovery, 6"-1'	340	350	10		
			sections of core.	350	360	10		
376.5	378.5	95	Broken core pebble size fragments of biotite schist. Minor pyrite,	360	370	10		
			chalcopyrite as disseminations.	370	380	10		
378.5	400	95	Biotite schist with a foliation 60° to core axis. Greyish and fine	380	390	10		
			grained. Minor disseminated pyrite and chalcopyrite.	390	400	10		
			END OF HOLE					

Diamond Drill Record

COLLAR: Mt. Nansen Grid
NORTH 7200 South
EAST 400 West
ELEVATION 4000
LOGGED BY R. Dickinson
DATE LOGGED 11/8/72
MAP REFERENCE NO 115-I-3

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
500	045	-050°

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling Ltd.
ASSAYER Bondar-Clegg & Company Ltd.
PURPOSE OF HOLE Geochem extensions of Mt. Nansen vein zone, assessment

HOLE NO. CD-12
CLAIM NAME Jeff 7
COMMENCED August 7, 1972
FINISHED August 9, 1972
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS					
0	10	-	Overburden. BW casing 0-90'.			BQ						Sludge	
10	27	20	Highly broken core, pebble size fragments. Fragments are very	10	30	20						10	20
			fine grained plagioclase-biotite schist with minor muscovite.	30	40	10						20	30
			Limonite stained, predominantly goethite, minor hematite.	40	50	10						30	40
27	84.3	40	Highly broken core. Limonite stained fragments of biotite-	50	60	10						40	50
			plagioclase-quartz schist. Individual grains are not distinctive.	60	70	10						50	60
			Trace of pyrite. Foliation 40-50° to core axis. Well foliated.	70	80	10						60	70
84.3	84.8	70	Broken core, chlorite shear zone.									70	80
84.8	98	75	3" sections of core. Biotite-plagioclase schist. Very fine grained,	80	90	10							
			thin lamellae (1-2 mm) and well foliated. Foliation 45° to core axis.										
			Minor pyrite and limonite staining.										
98	99.5	80	Soft, crumbly, clay and chlorite rich shear.	90	100	10							
99.5	108	95	Good recovery. Very fine grained biotite-plagioclase-quartz schist.	100	110	10							
			Thin lamellae, well foliated. Minor muscovite. Traces of pyrite										
			and limonite along foliation planes. At 103' series of 4, 1/16" vuggy										
			anhydrite fracture fillings, 1 to foliation.										
108	111	90	Muscovite - graphite rich shear zone. Fine grained schist.										
111	118	98	Fine grained biotite-plagioclase schist. Light grey. Segregation	110	120	10							
			banding irregular. Thin (1-2 mm) bands of feldspathic rich layers										
			and biotite rich layers. Trace of pyrite. Foliation 40-50° to core										
			axis.										

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-12
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
118	125	90	Shear zone. Broken, fragmented, clay altered zone.	120	130	10		
125	147	98	3" sections of thinly banded, fine grained biotite-plagioclase schist.	130	140	10		
			Traces of limonite ends at 147. Minor pyrite.					
147	176	95	2" sections of light grey, fine grained biotite-plagioclase schist.	140	150	10		
			Foliation 50-60° to core axis. Minor pyrite along foliation planes	150	160	10		
			and odd hairline fracture.	160	170	10		
176	185	90	Kaolin rich shear zone, minor graphite. At 182-182.5 section of	170	180	10		
			green (chlorite?, fuchsite?) stained white clay.	180	190	10		
185	238	98	6" sections of fine grained, light grey biotite-quartz-plagioclase	190	200	10		
			schist. Irregularly banded. The odd 1-3" band of white, fine	200	210	10		
			grained feldspathic material. Traces of pyrite. Well foliated at	210	220	10		
			40-60° to core axis.	220	230	10		
238	239	80	Dark grey-black clay, graphite shear zone.	230	240	10		
239	260	60	Broken core 1-3" sections. Cream-white, kaolin altered granophyre	240	250	10		
			(rhyolitic) dyke. Trace of disseminated pyrite.	250	260	10		
260	273	98	Good recovery, 6" sections of core. Mesocratic, medium-coarse	260	270	10		
			grained hornblende, plagioclase, meta?-diorite. Appears to have					
			vague foliation. Minor disseminated pyrite. At 260 broken contact,					
			at 273 1/2" chlorite shear zone, parallel to foliation.	270	280	10		
273	280.8	98	Creamy-white aphanitic granophyre dyke. Minor, small quartz					
			phenocrysts. Trace of pyrite.					

Diamond Drill Record

COLLAR:
NORTH
EAST
ELEVATION
LOGGED BY
DATE LOGGED
MAP REFERENCE NO.

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
METHOD		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-12
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
280.8	282	90	Grey-black clay gouge, shear zone.	280	290	10		
282	294	98	Very fine grained biotite-plagioclase schist. Minor pyrite.	290	300	10		
294	334	98	Section grades into medium grained staurolite? - muscovite	300	310	10		
			biotite schist. Well foliated 35-40° to core axis. Marked	310	320	10		
			crenulation parallel to core axis.	320	330	10		
334	338	75	Sheared, fragmented section of fine grained, biotite-plagioclase	330	340	10		
			schist.	340	350	10		
338	349.5	90	Fine grained, light grey brown, biotite-plagioclase schist. Very	350	360	10		
			thin lamellae. Irregularly banded. Foliation 35-40° to core axis.	360	370	10		
349.5	358.8	75	Highly broken section, pebble size fragments. Chloritized shear.	370	380	10		
358.8	400	98	Light grey, fine grained, biotite-plagioclase schist. Biotite more	380	390	10		
			pronounced in this section than others. Biotite is reddish brown.	390	400	10		
			Minor pyrite. Well foliated at 40° to core axis.					
			END OF HOLE					

Diamond Drill Record

COLLAR:
NORTH 236N
EAST 230W
ELEVATION 4325
LOGGED BY R. A. Dickinson
DATE LOGGED 11/8/72
MAP REFERENCE NO 115-I-3

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
600	Vertical	
METHOD		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling
ASSAYER Bondar-Clegg & Company
PURPOSE OF HOLE Near silicified dome, edge of anomalous I.P. metal factor halo

HOLE NO. CD-10
CLAIM NAME Dome 66
COMMENCED July 29, 1972
FINISHED August 1, 1972
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
0	12	-	Overburden. BW casing 0-25'.			BQ				
12	17	10	Extremely broken core. Soft, supergene altered, goethite stained, pebbles of medium grained granodiorite.	12	20	10	882	0.04	L.003	L0.005
17	30	75	Highly broken core, pebble size fragments. Leached, oxidized, altered, granodiorite. (Originally biotite-granodiorite.) Limonite (goethite » jarosite) stained. Trace of pyrite remains unleached. Minor anhydrite with limonite along fracture planes. Feldspars have been altered to white kaolin while mafics have been replaced by a brownish booked clay-chlorite material.	20	30	10	883	0.01	L.003	
				30	40	10	884	0.01	L.003	
30	32	75	Extremely broken core, pebble size, granodiorite fragments.	40	50	10	885	0.02	L.003	L0.005
32	69	95	Good recovery 6"-1' sections of core. Pervasively goethite stained, medium-coarse grained granodiorite. Moderately clay altered. Most pyrite remains coated with limonite. Limonite stained cap ends at 69'.	50	60	10	886	0.02	L.003	
				60	70	10	887	0.02	L.003	
				70	80	10	888	0.01	L.003	L0.005
				80	90	10	889	0.01	L.003	
69	148	98	Good recovery. Medium-coarse grained granodiorite. Strongly clay altered (kaolin) with mild sericite. No mafics remain. Traces of anhydrite along fractures. Trace of chalcocite rimming pyrite at 119. Pyrite 1-2% as anhedral disseminations and massive 1/2" veinlets at 115.5 (20° to core axis) and 123 (30° to core axis).	90	100	10	890	0.01	L.003	
				100	110	10	891	0.01	L.003	L0.005
				110	120	10	892	0.01	L.003	
				120	130	10	893	0.01	L.003	
				130	140	10	894	L0.01	L.003	L0.005
148	160	98	Light creamy rhyodacitic feldspar porphyry. Minor goethite staining. Traces of anhydrite with pyrite-limonite along fractures.	140	150	10	895	0.01	L.003	
				150	160	10	896	0.04	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-10
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			One-quarter inch sheared massive pyrite veinlet at lower contact.	160	170	10	897	0.01	L.003	L0.005
160	199	98	Mildly clay altered, (trace of sericite) granodiorite. 1% pyrite	170	180	10	898	0.01	L.003	
			as minor fracture fillings and disseminations. Feldspars are	180	190	10	899	L0.01	L.003	
			fringed with alteration but mafics are completely replaced.	190	200	10	900	L0.01	L.003	L0.005
199	326	98	At 199 sharp contact with rhyodacite (quartz-feldspar) porphyry.	200	210	10	901	L0.01	L.003	
			Minor pyrite and trace of chalcopyrite and anhydrite. Rhyodacite	210	220	10	902	L0.01	L.003	
			is creamy white, has small (1 mm) subhedral plagioclase pheno-	220	230	10	903	L0.01	L.003	L0.005
			crysts and sparse resorbed quartz phenocrysts. Feldspars are	230	240	10	904	L0.01	L.003	
			totally replaced by kaolin and minor sericite. Massive pyrite 1/2"	240	250	10	905	L0.01	L.003	
			veinlets cut porphyry at 254' and 252'. Good recovery 1-2' sections.	250	260	10	906	L0.01	L.003	L0.005
326	343	98	Fractured - brecciated - porphyry zone. Fractures are filled with	260	270	10	907	0.01	L.003	
			limonite-anhydrite and lesser pyrite. Trace of chalcopyrite.	270	280	10	908	L0.01	L.003	
			Section is pervasively goethite stained. Good recovery 3"-1"	280	290	10	909	L0.01	L.003	L0.005
			sections. Porphyry is clay-sericite altered.	290	300	10	910	L0.01	L.003	
343	391	98	Ryodacite porphyry. Small (1 mm) feldspar phenocrysts, that have	300	310	10	911	L0.01	L.003	
			been replaced by kaolin in aphanitic felsite matrix. At 390-391	310	320	10	912	L0.01	L.003	L0.005
			dense non-porphyritic chilled margin. Regularly disseminated	320	330	10	913	L0.01	L.003	
			anhedral pyrite (1%). Trace of chalcopyrite. Good recovery.	330	340	10	914	0.01	L.003	
391	398	98	Medium-coarse grained granodiorite. Originally biotite granodiorite.	340	350	10	915	0.01	L.003	L0.005
			Clay altered feldspars and mafics. Minor pyrite and traces of	350	360	10	916	L0.01	L.003	
			anhydrite.	360	370	10	917	L0.01	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-10
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
398	407	98	Rhyodacitic feldspar porphyry. Moderately clay altered. 1%	370	380	10	918	L0.01	L.003	L0.005
			disseminated pyrite. At 398 sheared pyrite filling at contact with	380	390	10	919	L0.01	L.003	
			granodiorite.	390	400	10	920	L0.01	L.003	
407	496	98	Moderately argillized granodiorite, some sericite. Disseminated	400	410	10	921	L0.01	L.003	L0.005
			pyrite and minor fracture fillings. Massive pyrite, anhydrite fills	410	420	10	922	L0.01	L.003	
			fractures at 456 (10° to core axis) and 453, 455. Good recovery long	420	430	10	923	0.01	L.003	
			sections of core.	430	440	10	924	0.01	L.003	L0.005
496	501	80	Blackish-grey clay shear zone.	440	450	10	925	L0.01	L.003	
501	543	98	Moderately clay altered, medium grained granodiorite. 1-2%	450	460	10	926	L0.01	L.003	
			disseminated pyrite.	460	470	10	927	0.03	L.003	L0.005
543	551	90	Shear zone. Blackish-grey clay shear surfaces on fragmented	470	480	10	928	0.01	L.003	
			granodiorite.	480	490	10	929	L0.01	L.003	
551	553	98	Granodiorite, medium-coarse grained. Moderately clay altered	490	500	10	930	L0.01	L.003	L0.005
			with minor sericite. No mafics. 1% pyrite.	500	510	10	931	0.01	L.003	
553	568	90	Highly broken core, 1" to pebble size fragments. Highly clay	510	520	10	932	L0.01	L.003	
			altered fault zone. Minor pyrite and anhydrite.	520	530	10	933	0.01	L.003	L0.005
568	600	98	Moderately clay altered rhyodacitic, feldspar porphyry. 1%	530	540	10	934	0.01	L.003	
			disseminated pyrite. Small feldspar grains clay altered. Aphanitic	540	550	10	935	0.01	L.003	
			light cream matrix.	550	560	10	936	L0.01	L.003	L0.005
				560	570	10	937	L0.01	L.003	
				570	580	10	938	L0.01	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-10
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS			
				FROM	TO	WIDTH	NO.	Cu	Mo	Au	
				580	590	10	939	L0.01	L.003	L0.005	
			END OF HOLE	590	600	10	940	L0.01	L.003		

Diamond Drill Record

COLLAR:
NORTH 224N
EAST 184W
ELEVATION
LOGGED BY R. A. Dickinson
DATE LOGGED 12/8/72
MAP REFERENCE NO. 115-I-3

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
900	Vertical	
METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling
ASSAYER Bondar-Clegg & Company Ltd.
PURPOSE OF HOLE Test intensely altered silicified dome near geochem ring

HOLE NO. CD-9
CLAIM NAME Stone 2
COMMENCED July 17, 1972
FINISHED July 27, 1972
PROJECT NO. 461

FROM	TO	RECOVY %	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
0	10	-	Overburden. NW casing 0-18'. BW casing 0-415'.			BQ				
10	45	60	Extremely broken core, pebble size fragments. Leached, sericite and	10	20	10	4389	0.02	L.003	L0.005
			clay (kaolin) altered rhyodacite porphyry (quartz-feldspar porphyry).	20	30	10	4390	0.01	L.003	
			Pervasive goethite staining and along fractures. Vugs left by	30	40	10	4391	0.01	L.003	
			sulphides make up ≈2% of rock and are commonly filled with limonite	40	50	10	4392	0.01	L.003	L0.005
			(jarosite).	50	60	10	4393	0.01	L.003	
45	62.5	95	Quartz rich rhyodacite porphyry. Pervasively limonite stained. Some	60	70	10	4394	0.01	L.003	
			traces of pyrite remain unleached, probably trapped in quartz. Quartz-	70	80	10	4395	0.02	L.003	L0.005
			sericite-pyrite alteration assemblage.	80	90	10	4396	0.05	L.003	
62.5	95	80	Pervasively goethite-jarosite stained crumbly core. Highly altered	90	100	10	4397	0.03	L.003	
			leached rhyodacite porphyry. No sulphides.	100	110	10	4398	0.04	.006	L0.005
95	135	90	Leached and limonite stained porphyry. Sericite makes up ≈15% of	110	120	10	4399	0.02	.004	
			rock. Minor quartz fracture fillings but all sulphides leached.	120	130	10	4400	0.01	.004	
135	138	75	Highly broken, clayey shear zone. Rhyodacite porphyry.	130	140	10	526	0.01	.003	L0.005
138	202	80	Leached, intensely sericite-clay altered rhyodacite porphyry.	140	150	10	527	0.01	.003	
			Limonite stained, and coatings of goethite-anhydrite along several	150	160	10	528	0.01	.005	
			fractures. Fair recovery, 1' sections.	160	170	10	529	0.07	L.003	0.005
202	218	70	Highly broken and sheared rhyodacite porphyry. Pervasively limonite	170	180	10	530	0.01	.008	
			stained. Clay, sericite and pyrite.	180	190	10	531	0.05	L.003	
218	248	85	Pervasively stained, leached, highly altered rhyodacite porphyry.	190	200	10	532	0.04	L.003	L0.005
			Some thick coatings of goethite along fractures. Limonite stained	200	210	10	533	0.05	L.003	

Diamond Drill Record

COLLAR		HOLE SURVEY		
NORTH		FOOTAGE	AZIMUTH	DIP
EAST				
ELEVATION				
LOGGED BY				
DATE LOGGED				
MAP REFERENCE NO		METHOD		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-9
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO	ASSAYS Cu	ASSAYS Mo	ASSAYS Au	SLUDGE No.	SLUDGE Cu	SLUDGE Mo
			capping ends at 248'.	210	220	10	534	0.07	L.003				
248	285	80	Strongly sericitized and leached greyish-white rhyodacite porphyry.	220	230	10	535	0.05	.027	L0.005			
			Sericite replaces all feldspar phenocrysts and matrix. A few 2-4 mm	230	240	10	536	0.05	.022				
			resorbed quartz "eyes." Phenocrysts make up ≈ 50% of rock.	240	250	10	537	0.09	.004	L0.005	843	0.03	.004
			Several fractures have dark black (often sheared) earthy coatings.	250	260	10	538	0.20	L.003	L0.005	844	0.12	.003
			Maybe chalcocite but probably manganese oxide. Most pyrite	260	270	10	539	0.13	L.003	L0.005			
			leached but traces of finely disseminated pyrite remain, often	270	280	10	540	0.12	L.003	L0.005	845	0.08	L.003
			coated with chalcocite. Traces of chalcocite rimming pyrite along	280	290	10	541	0.10	L.003	L0.005	846	0.07	.004
			fractures at 256 and 259.	290	300	10	542	0.09	L.003	L0.005	847	0.07	.003
285	332.8	95	Good recovery 6"-2' sections of core, breaking along fractures	300	310	10	543	0.08	L.003	L0.005	848	0.08	.003
			occurring at all angles to core axis. Sericitized-clay altered	310	320	10	544	0.02	L.003	L0.005	849	0.05	.003
			rhyodacite porphyry. 1-2% pyrite, often thinly coated with chalcocite.	320	330	10	545	0.12	L.003	L0.005	850	0.09	.003
			Phenocrysts of feldspar are replaced pseudomorphically by clay-										
			sericite mixture. Phenocrysts often stained orange-brown with										
			limonite. Specks of malachite occur irregularly throughout section.										
			Chalcocite is found replacing 1/16-1/32" pyrite fracture fillings at										
			290, 291, 292.5, 293, 294, 294.3, 294.5, 295, 298, 303.6, 304,										
			307, 308, 314, 314.6, 314.8, 315.8, 316.2, 318-322, 324, 326,										
			328, and 331.8.										
332.8	333.8	98	Excellent recovery. Greenish black lamprophyre dyke (andesitic	330	340	10	546	0.03	.003		851	0.04	.003
			composition). A few phenocrysts of unaltered plagioclase in	340	350	10	547	0.03	.019		852	0.04	.007

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-9
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au	SLUDGE No.	SLUDGE Cu	SLUDGE Mo
			microcrystalline matrix. No pyrite.	350	360	10	548	0.04	.031	L0.005	853	0.05	.010
333.8	373	95	Good recovery, soft altered core. White rhyodacite porphyry.	360	370	10	549	0.01	.026	L0.005	854	0.04	.016
			Altered feldspar phenocrysts make up 40% of rock, while anhedral quartz "eyes" make up 5%. Some 1/2" altered (k-spar?) feldspar phenocrysts. Quartz-sericite-pyrite alteration assemblage. Finely disseminated pyrite (2%) evenly distributed throughout rock. Minor, coatings of chalcocite rimming pyrite. Minor specks of malachite.										
373	389	80	Section of brecciated highly altered porphyry. Fractures have been filled with large euhedral pyrite crystals. Pyrite is coated with chalcocite and bornite looking covellite. Pyrite cubes up to 1/4". Pyrite 10-15% (visual).	370	380	10	550	0.17	.031	L0.005	855	0.13	.013
				380	390	10	556	0.25	.024	L0.005	856	0.23	.010
389	395	80	Quartz-sericite-pyrite altered rhyodacite porphyry. Chalcocite rims pyrite fracture fillings 390-392.	390	400	10	557	0.15	.023	L0.005	857	0.13	.006
395	400	0	No core. Sand zone.										
400	415	60	Highly broken, greyish clay rich, sheared section of porphyry.	400	410	10	558	0.08	.005	L0.005	858	0.08	.005
			Minor pyrite and traces of chalcocite at 401, 403, 405, 418.	410	420	10	559	0.09	.003		859	0.07	.006
415	439	90	Sericite-quartz-pyrite altered porphyry. White and soft. Finely	420	430	10	560	0.05	.007		860	0.05	.004
			disseminated pyrite (<1%) with minor chalcocite rims.	430	440	10	561	0.04	L.003	L0.005	861	0.02	L.003
439	457	50	Highly broken section. Sheared blackish-grey clay and porphyry.	440	450	10	562	0.02	L.003				
			Sericite-clay-pyrite. Chalcocite along fractures 455-457.										

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-9
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au	SLUDGE No.	SLUDGE Cu	SLUDGE Mo
457	489	60	1-2' runs, highly broken clay rich shear zone. Clay is grey black	450	460	10	563	0.04	.004				
			(MoS_2?). From 482-483 brecciated section filled with massive	460	470	10	564	0.02	.004	L0.005	862	0.03	.004
			pyrite.	470	480	10	565	0.01	.012		863	0.01	.007
489	508	85	Sericite altered rhyodacite porphyry. Finely disseminated pyrite	480	490	10	566	0.01	.011		864	0.01	.010
			1-3%. Sericite replaces phenocrysts and some of matrix. No mafics.	490	500	10	567	0.01	.006	L0.005	865	0.01	.003
508	509	80	Shear zone. Blackish-grey clay and porphyry fragments. Minor	500	510	10	568	0.01	.012		866	0.01	.003
			pyrite and chalcocite.	510	520	10	569	0.01	.010				
509	548	75	Intensely altered porphyry. Silicates completely replaced by sericite.	520	530	10	570	0.02	.018	L0.005			
			Finely disseminated pyrite 2%. A few specks of chalcocite.	530	540	10	571	0.01	.026				
548	555	75	Highly broken section, pebble size, clay sericite altered fragments.	540	550	10	572	0.01	.027				
			Minor pyrite.	550	560	10	573	0.02	.036	L0.005			
555	569	90	Quartz-sericite-pyrite altered porphyry. 2-3% disseminated pyrite	560	570	10	574	0.02	.014				
			and trace of chalcopyrite.	570	580	10	575	0.03	.009				
569	585	90	Altered porphyry as above. Traces of chalcopyrite, and chalcocite	580	590	10	826	0.01	.005	L0.005			
			skins on pyrite. 2% pyrite.										
585	588	98	Lamprophyre dike. Dark green-black slightly porphyritic (plagio-										
			clase), dense, fine grain matrix. Traces of biotite and pyrite.	590	600	10	827	0.02	.010				
			Unaltered.	600	610	10	828	0.02	.010				
588	615	90	4"-6" sections of altered porphyry. Intensity of alteration decreasing.	610	620	10	829	0.03	.006	L0.005			
			Mainly clay replacing feldspars. 1-2% finely disseminated anhedral	620	630	10	830	0.04	.004				
			pyrite, trace of chalcopyrite.	630	640	10	831	0.03	.008				

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-9
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
615	640	75	Highly sheared, broken zone. Some blackish-grey clay. Minor	640	650	10	832	0.01	.008	L0.005
			pyrite ≈1% and chalcocite occurs at 637.	650	660	10	833	0.04	.007	
640	655	85	Broken core, rhyodacite porphyry. Clay sericite-pyrite altered.	660	670	10	834	0.01	.013	
			Finely disseminated pyrite.	670	680	10	835	0.03	.007	L0.005
655	659	95	Sericite-clay altered porphyry. Finely disseminated pyrite.	680	690	10	836	0.01	.010	
			1' lengths. At 655.4, 1/32" wide chalcopyrite veinlet cutting core	690	700	10	837	0.01	.011	
			≈70°.	700	710	10	838	0.01	.011	L0.005
659	684	75	Intensely, fractured, broken, clayey shear zone. Grey-black clay	710	720	10	839	0.02	.007	
			gouge. Minor pyrite.	720	730	10	840	0.01	.013	
684	690	90	Sericite-clay-pyrite altered porphyry.	730	740	10	841	0.02	.008	L0.005
690	696	80	Highly broken clay-rich shear zone.	740	750	10	842	0.01	L.003	
696	716	90	Sericite-clay-pyrite (1-2%) altered porphyry. Trace of chalcopyrite	750	760	10	867	0.01	.003	
			as disseminations.	760	770	10	868	0.01	L.003	L0.005
716	724	80	Highly broken, fragmented section. 1"-2" sections of core. Minor	770	780	10	869	0.01	.003	
			pyrite. Clay and sericite.	780	790	10	870	0.01	.010	
724	753	90	Broken 3-4" sections of core. Sericite and clay altered porphyry.	790	800	10	871	0.01	.008	L0.005
753	833	95	Good recovery 1-3" lengths of core. Rhyodacite porphyry.	800	810	10	872	0.02	.022	
			Alteration becomes much less intense. Booklets of brownish clay	810	820	10	873	0.01	.005	
			replacing biotite now visible. Feldspars are only fringed with clay.	820	830	10	874	0.01	L.003	L0.005
			Feldspars have a greenish tinge (montmorillonite?, saussurite?).	830	840	10	875	0.01	L.003	
			Rock is composed of <5% altered mafics, 1-2% pyrite, trace	840	850	10	876	0.01	.007	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-9
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			chalcopyrite, 50% subhedral clay fringed feldspar phenocrysts, 5%	850	860	10	877	0.03	.008	L0.005
			anhedral resorbed quartz phenocrysts and 40% siliceous micro-	860	870	10	878	0.02	.003	
			crystalline matrix. Trace of MoS_2 at 762.	870	880	10	879	0.02	L0.003	
883	885	80	Broken, fragmented, clay rich fracture zone. Blackish-grey clay	880	890	10	880	0.03	L0.003	L0.005
			gouge. 2% pyrite and trace of chalcopyrite. Fragments of porphyry.	890	900	10	881	0.01	L0.003	
885	900	95	Good recovery. Moderately clay altered rhyodacite porphyry as							
			above.							
			END OF HOLE							

Diamond Drill Record

COLLAR:
NORTH 180 North
EAST 190 West
ELEVATION 4500
LOGGED BY R. Dickinson
DATE LOGGED 18/7/72
MAP REFERENCE NO. 115-I-3

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
850	Vertical	

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling Ltd.
ASSAYER Bondar-Clegg & Company
PURPOSE OF HOLE Strongest metal factor anomaly on wide separation, K40 anomaly

HOLE NO. CD-8
CLAIM NAME Dome 43
COMMENCED July 11/72
FINISHED July 16/72
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
0	10	0	Overburden. (BW casing 0 → 30'.)							
10	33	85	Limonite stained, leached, supergene altered biotite-plagioclase	10	20	10	330	0.02	L.003	L0.005
			dacite porphyry. Limonite (mainly jarosite with minor goethite) is	20	30	10	331	0.02	L.003	
			pervasive, staining rock orange brown. Biotite and plagioclase							
			phenocrysts clay altered in microcrystalline grey felsite matrix.							
			At 31-33 limonite stained sandy zone. Broken core, 1-3" sections,							
			crumbly and soft.	30	40	10	332	0.02	L.003	
33	62	85	Broken, crumbly core as above. Goethite > jarosite forms thick	40	50	10	333	0.02	L.003	L0.005
			films on fractures. First visual pyrite at 44' (minor). Biotite	50	60	10	334	0.02	L.003	
			phenocrysts are 1-2 mm and euhedral. Plagioclase is soft and							
			replaced by kaolin.							
62	64	90	Pebble size fragments of biotite dacite porphyry → sand, jarosite							
			stained, and no pyrite.	60	70	10	335	0.03	L.003	
64	76	95	Short sections of oxidized, geothite stained, dacite porphyry.	70	80	10	336	0.02	L.003	L0.005
			Slightly clay altered.	80	90	10	337	0.02	L.003	
76	127	95	Biotite dacite porphyry with phenocrysts of euhedral biotite (1-2 mm)	90	100	10	338	0.03	L.003	
			and subhedral plagioclase (2-3 mm) in microcrystalline quartz-rich	100	110	10	339	0.02	L.003	L0.005
			grey matrix. Decreasing amount of limonite staining and some pyrite	110	120	10	340	0.02	L.003	
			remains unleached.	120	130	10	341	0.04	L.003	
127	142	80	Broken core, sand and pebble size fragments. Soft and clay altered,	130	140	10	342	0.05	L.003	L0.005
			jarosite stained biotite-dacite porphyry.							

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-8
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
142	161	95	Plagioclase-dacite porphyry. No biotite phenocrysts. Plagioclase	140	150	10	343	0.03	L.003	
			is subhedral and resorbed. Matrix is quartz rich and aphanitic.	150	160	10	344	0.05	L.003	
			Only minor goethite staining along fractures and <1% disseminated							
			pyrite.							
161	168	70	Broken sections of dacite porphyry. Limonite stained, <1% pyrite	160	170	10	345	0.03	L.003	L0.005
			remains unleached.	170	180	10	346	0.04	L.003	
168	186	75	Plagioclase dacite porphyry. Subhedral 2-3 mm. phenocrysts of							
			plagioclase in microcrystalline greyish matrix. Plagioclase is							
			fringed with clay alteration but rock appears relatively fresh.							
			Pyrite (<1%) mainly as disseminations. Bottom of oxidized capping							
			at 184'.							
186	187.5	60	Shear zone. Mainly white clay and pyrite-rich gouge. Extremely							
			crumbly.	180	190	10	347	0.05	L.003	
187.5	213.5	97	Plagioclase dacite porphyry. <1% pyrite as disseminations and	190	200	10	348	0.02	L.003	L0.005
			rarely along fractures. Minor goethite at 205'. Small mafic clots	200	210	10	349	0.03	L.003	
			(chloritized) make up <5% of rock.	210	220	10	350	0.03	L.003	
213.5	216	98	Black, dense, microcrystalline lamprophyre/dyke rock of basaltic composition.							
			Minor anhedral pyrite, slightly magnetic. Sharp contacts.							
216	219	99	Hornblende granodiorite. Slightly propylitized, minor epidote,							
			chlorite and pyrite. Equigranular, medium grained, granitic texture.							
			From 217-218 lamprophyre and granodiorite contact parallels core axis.							

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-8
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
219	234.5	98	Dark, black aphanitic, microcrystalline lamprophyre dyke rock of basaltic composition. <1% pyrite as disseminations. Sharp contacts.	220	230	10	351	0.01	L.003	L0.005
234.5	240	98	Good recovery, 2' sections of slightly clay altered granodiorite. Clay alteration gives section overall light greyish look. <.5 pyrite occurs as disseminations. Mafics are moderately chloritized and epidote occurs as minor blebs.	230	240	10	352	0.02	L.003	
240	279.5	98	Dense, black lamprophyre dyke rock of basaltic composition. Minor goethite occurs along one fracture at 270'. Minor pyrite. Some minor carbonate (calcite?) and pyrite along fractures.	240	250	10	353	0.03	L.003	
				250	260	10	354	0.04	L.003	L0.005
				260	270	10	355	0.05	L.003	
279.5	281.5	85	Shear zone along contact. Filled with massive pyrite and carbonate, minor quartz and clay. Approximately 30° to core axis.	270	280	10	356	0.04	L.003	
				280	290	10	357	0.05	L.003	L0.005
281.5	380	98	Equigranular, mesocratic, hornblende granodiorite with minor biotite, and good granitic texture. Section is light grey due to fringing on feldspars of clay alteration. Minor epidote as blebs and mafics have been moderately replaced by chlorite. At 335, 3" quartz-pyrite veinlet at 20° to core axis. Minor chalcopyrite blebs associated with epidote and pyrite at 354.5, 355, 356 and 360. Excellent recovery 3-4' sections of core, due to lack of extensive fracturing.	290	300	10	358	0.02	L.003	
				300	310	10	359	0.03	L.003	
				310	320	10	360	0.06	L.003	L0.005
				320	330	10	361	0.03	L.003	
				330	340	10	362	0.03	L.003	
				340	350	10	363	0.03	L.003	L0.005
				350	360	10	364	0.02	L.003	
380	485	99 and	Slightly darker grey, hornblende granodiorite than above. Minor epidote chlorite with minor disseminated pyrite. Massive quartz-pyrite veinlets at 471 and at 416 veinlet is parallel to core axis and	360	370	10	365	0.02	L.003	
				370	380	10	366	0.03	L.003	L0.005
				380	390	10	367	0.02	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-8
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			contains minor chalcopyrite.	390	400	10	368	0.02	L.003	
485	496	95	Slightly sheared section of hornblende granodiorite. Moderately	400	410	10	369	0.02	L.003	
			kaolin altered feldspars, while chlorite and epidote replaces mafics.	410	420	10	370	0.09	L.003	0.005
			<.5% pyrite. Core has greenish tinge due to pervasive chlorite? staining.	420	430	10	371	0.01	L.003	
496	529.5	98	Long 4' sections of slightly propylitized granodiorite. Rock contains	430	440	10	372	0.02	L.003	
			20% hornblende and minor biotite with <.5% pyrite.	440	450	10	373	0.01	L.003	L0.005
529.5	563.5		Creamy white, aphanitic aplite with minor large quartz phenocrysts	450	460	10	374	0.02	L.003	L0.005
			up to 5 mm. Aplite is cut by grey quartz veinlets at all angles. Veinlets	460	470	10	375	0.02	L.003	
			are commonly 1/16" and contain minor pyrite. Strong pyrite veinlet ≈1/2",	470	480	10	4351	0.03	L.003	
			10° to core axis at 558. <.5% finely disseminated pyrite throughout	480	490	10	4352	0.01	L.003	L0.005
			rock. Sharp contact with granodiorite. Good recovery, 1' sections.	490	500	10	4353	0.01	L.003	
563.5	611	98	Sheared pyrite veinlet with slickensides at contact (563.5) with	500	510	10	4354	0.01	L.003	
			rhyodacite porphyry. Rhyodacite is composed of minor anhedral	510	520	10	4355	0.02	L.003	L0.005
			resorbed plagioclase, a greyish, quartz rich, microcrystalline matrix	520	530	10	4356	0.02	L.003	
			and <2% chloritized mafic clots. Porphyritic texture is not well	530	540	10	4357	0.01	L.003	
			developed. Pyrite occurs as small clots and makes up <1% of rock.	540	550	10	4358	0.01	L.003	L0.005
			Minor chalcopyrite occurs at 578' along fracture. At contact with	550	560	10	4359	0.01	L.003	
			below, rhyodacite has 1/4", dense, chilled margin.	560	570	10	4360	0.06	L.003	
611	756.5	98	Hornblende granodiorite, mesocratic, greyish, medium coarse grained.	570	580	10	4361	0.02	L.003	L0.005
			Minor epidote as clots and chlorite replaces most hornblende.	580	590	10	4362	0.03	L.003	
			≈ 1% disseminated pyrite. Minor chalcopyrite at 646, 647 and 657	590	600	10	4363	0.01	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-8
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			and at 656 chalcopyrite and minor MoS_2 associated with small	600	610	10	4364	0.01	L.003	L0.005
			quartz-pyrite veinlet. Good recovery.	610	620	10	4365	0.04	L.003	
756.5	757	99	lamprophyre Dense black dyke rock of basaltic composition. Some minor	620	630	10	4366	0.04	L.003	
			plagioclose phenocrysts (1-2mm). Minor pyrite.	630	640	10	4367	0.03	L.003	L0.005
757	770.5	99	Hornblende granodiorite, minor epidote clots, and chloritized mafics	640	650	10	4368	0.04	L.003	
			1-2% anhedral disseminated pyrite.	650	660	10	4369	0.04	L.003	
770.5	812	99	Creamy white, aphanitic, siliceous aplite, sharp contact with above	660	670	10	4370	0.03	L.003	L0.005
			but grades into greyish rhyodacite porphyry. Only minor pheno-	670	680	10	4371	0.02	L.003	
			crysts of resorbed quartz and plagioclase. Matrix is grey, quartz-	680	690	10	4372	0.03	L.003	
			rich and microcrystalline. ≃1% disseminated pyrite.	690	700	10	4373	0.02	L.003	L0.005
812	813	80	Shear zone, clay-rich, small 1/4" fragments of granodiorite.	700	710	10	4374	0.02	L.003	
813	829	98	Rhyodacite porphyry with quartz-rich greyish matrix and <1%	710	720	10	4375	0.03	L.003	
			disseminated pyrite. Dyke has 1/4" chilled margin with below.	720	730	10	4376	0.02	L.003	L0.005
829	850	99	Quartz-rich granodiorite - adamellite with <10% mildly chloritized	730	740	10	4377	0.02	L.003	
			mafics and 1% finely disseminated pyrite. Minor calcite and	740	750	10	4378	0.01	L.003	
			epidote along fractures.	750	760	10	4379	0.01	L.003	L0.005
				760	770	10	4380	0.02	L.003	
				770	780	10	4381	0.01	L.003	
			END OF HOLE	780	790	10	4382	0.01	L.003	L0.005
				790	800	10	4383	0.01	L.003	
				800	810	10	4384	0.01	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-8
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Cu	Mo	Au				
				810	820	10	4385	L0.01	L.003	L0.005				
				820	830	10	4386	L0.01	L.003					
				830	840	10	4387	0.02	L.003					
				840	850	10	4388	0.01	L.003	L0.005				

Diamond Drill Record

COLLAR:		HOLE SURVEY		
NORTH	199+50N	FOOTAGE	AZIMUTH	DIP
EAST	200W	612'		
ELEVATION	4,400	Vertical		
LOGGED BY	R.A. Dickinson			
DATE LOGGED	9/7/72			
MAP REFERENCE NO.	115-I/3	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling
ASSAYER Bondar-Clegg & Co. Ltd.
PURPOSE OF HOLE Test tourmalinized breccia pipe, Rim of anomalous metal factor

HOLE NO. CD-6
CLAIM NAME GS 7FR
COMMENCED July 3/72
FINISHED July 6/72
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
0	20	NIL	Overburden - broken tourmaline breccia fragments							
			NW casing from 0 - 20							
			BW casing from 0 - 40							
20	58	90%	Strongly oxidized quartz-tourmaline breccia. Sub-	20	30	10	228	L.01	L.003	0.005
			angular fragments (1" - rock flour) of rhyodacite	30	40	10	229	L.01	L.003	0.01
			porphyry. Feldspars & matrix of porphyry altered to a	40	50	10	230	0.01	L.003	0.005
			kaolin sericite assemblage. Matrix of breccia is mainly							
			quartz, & rock flour, with minor black tourmaline.							
			Matrix has small vesicles (10-15%) that may have contained							
			sulphides. Most have jarosite stained walls, but some							
			are void. Rock is stained with coatings of reddish							
			orange goethite and yellowish orange jarosite. Minor							
			turquoise staining of feldspars & vugs that has a							
			sulphate taste suggesting brocanthite. Core broken							
			2-5" fragments.							
58	59	99%	Strongly tourmalinized section of breccia. Tourmaline							
			is black & dense.							
59	103	90%	Strongly leached & oxidized quartz-tourmaline breccia.	50	60	10	231	0.01	L.003	TR
			Matrix is quartz, tourmaline and rock flour. Sub-	60	70	10	232	0.01	L.003	0.05
			angular fragments are creamy white, sericitized	70	80	10	233	0.01	L.003	0.02
			rhyodacite porphyry. Some minor pyrite but most	80	90	10	234	0.01	L.003	TR

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-6
CLAIM NAME GS 7FR
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			sulphides have been leached leaving boxworks of goethite	90	100	10	235	L.01	L.003	0.005
			and minor jarosite. Core is broken into 3" sections.							
103	129	95%	Quartz-tourmaline breccia, strongly stained with	100	110	10	236	L.01	L.003	0.005
			orangy yellow jarosite and only minor goethite.	110	120	10	237	L.01	L.003	0.005
			Alteration assemblage is quartz, sericite, pyrite and	120	130	10	238	L.01	L.003	0.005
			kaolin. 1% finely disseminated pyrite remains, but							
			most has been leached.							
129	167	90%	Quartz-tourmaline breccia. Matrix is predominately	130	140	10	239	L.01	L.003	0.005
			rock flour. Section is jarosite & goethite stained.	140	150	10	240	0.01	L.003	0.01
			Only minor pyrite remains unoxidized. Fragments are rhyo-	150	160	10	241	0.02	L.003	0.02
			dacite porphyry. @ 156' 3" pyrite-quartz veinlet cuts							
			core axis @ 80°. @ 167' broken contact with clay and							
			sericite altered granodiorite.	160	170	10	242	0.02	L.003	0.02
167	183	98%	Orangy-yellow jarosite stained, clay & sericite altered	170	180	10	243	0.01	L.003	0.005
			granodiorite. Strong sericitization along fractures and							
			feldspars replaced by clay & sericite, mafic replaced							
			pseudomorphically by clay. <1% finely disseminated							
			pyrite with some traces of chalcocite rimming. Chalco-							
			cite coats a pyrite veinlet @ 180'.							
183	201	98%	Strongly kaolinized granodiorite. Mafics remain as	180	190	10	244	0.01	L.003	0.005
			booklets replaced by clay. Minor disseminated pyrite	190	200	10	245	0.01	L.003	0.005

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-6
CLAIM NAME GS 7FR
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			& chalcocite rims pyrite veinlets ¼" @ 194' & 197'. Grano-							
			diorite is bleached creamy white grey. Still evidence							
			of minor oxidation within core.	200	210	10	246	0.01	L.003	
201	257	99%	Moderately to mildly kaolinized granodiorite, pervasive	210	220	10	247	0.01	L.003	
			chloritization? gives malachite tinge to feldspars,	220	230	10	248	0.01	L.003	L.005
			Granodiorite is quartz rich (15%). Med.-coarse grained	230	240	10	249	0.01	L.003	
			and mesocratic. Good competent 2-3' sections of core.	240	250	10	250	L.01	L.003	
			Minor pyrite.	250	260	10	251	0.01	L.003	L.005
257	292	95%	Kaolinized granodiorite, both feldspars & mafics have	260	270	10	252	0.02	L.003	
			gone to clay, has a greenish grey colour. @ 275-278'	270	280	10	253	0.01	L.003	
			clayey shear zone. Disseminated pyrite (1%) has minor	280	290	10	254	0.01	L.003	L.005
			coatings of chalcocite, thick coating @ 267' on 1/2 inch							
			veinlet. Trace of chalcopyrite.							
292	311		Strongly argillized rhyodacite porphyry (dyke). Both	290	300	10	255	0.01	L.003	
			contacts broken. Finely disseminated pyrite (2%) is	300	310	10	256	0.01	L.003	
			evenly distributed throughout rock and along minor	310	320	10	257	0.01	L.003	L.005
			fractures. Minor chalcocite skins on pyrite becoming							
			thicker @ 298-300'. Porphyry is whitish grey with anhedral							
			plagioclase phenocrysts and dense feldspathic matrix.							
311	374.5	98%	Moderately argillized, hornblende granodiorite. Minor	320	330	10	258	L.01	L.003	
			disseminated pyrite as fracture fillings and	330	340	10	259	L.01	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-6
CLAIM NAME - GS 7FR
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			disseminations. Black-grey clay, pyrite rich shear	340	350	10	260	0.02	L.003	L.005
			zones @ 319 and 356'.	350	360	10	261	0.01	L.003	L.005
374.5	380	99%	Rhyodacite porphyry, only minor feldspar (white)	360	370	10	262	0.02	L.003	
			phenocrysts. Rock is creamy grey with evenly	370	380	10	263	0.02	L.003	
			distributed pyrite (2%) occurring as disseminations.	380	390	10	264	0.01	L.003	L.005
			Sharp contacts.	390	400	10	265	0.01	L.003	
380	441	98%	Mildly argillized granodiorite, small clots of epidote	400	410	10	266	0.01	L.003	
			and chlorite. < 1% disseminated pyrite. Fracture 1 per 6"	410	420	10	267	0.01	L.003	L.005
			occur at all angles to core axis.	420	430	10	268	0.01	L.003	
441	456	96%	Mildly argillized cream grey rhyodacite porphyry. 2%	430	440	10	269	0.01	L.003	
			pyrite as dissemination. Only minor plagioclase	440	450	10	270	0.06	L.003	0.005
			phenocrysts. Aplitic texture.	450	460	10	271	0.04	L.003	
456	475.5	95%	Moderately-strongly argillized rhyodacite porphyry.	460	470	10	272	0.03	L.003	L.005
			2% disseminated pyrite, trace chalcopyrite. Sharp	470	480	10	273	L.01	L.003	
			contacts. @ 467-468' greyish black clayey shear zone.							
475.5	494	99%	Mildly clay (kaolin) altered granodiorite, granodiorite	480	490	10	274	0.01	L.003	
			is med. - coarse grained, mesocratic, quartz and horn-	490	500	10	275	0.02	L.003	0.005
			blende rich. Pyrite < 1% with trace chalcopyrite.							
494	516		Dense rhyodacite porphyry. Sharp contacts with grano-	500	510	10	276	0.01	L.003	
			diorite. Porphyry contains 2-3 mm subhedral plagio-							
			clase phenocrysts, lacks mafics and is creamy grey.	510	520	10	277	0.02	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-6
CLAIM NAME GS 7FR
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
			The matrix is dense. Pyrite & trace chalcopyrite occur							
			as disseminations evenly distributed throughout.							
516	612	99%	Mildly argillized, hornblende granodiorite. Clay rims	520	530	10	278	0.02	L.003	L.005
			on feldspar, epidote & chlorite rimming mafics. < 1%	530	540	10	279	0.02	L.003	
			disseminated pyrite and odd fracture filling. Trace of	540	550	10	280	0.01	L.003	
			chalcopyrite as disseminations throughout. Granodiorite	550	560	10	281	0.06	L.003	0.005
			is mesocratic, medium grained and contains 25% horn-	560	570	10	282	0.01	L.003	
			blende @ 562-563' a pyrite rich, grey black molybdenite	570	580	10	283	0.02	L.003	
			rich shear zone. Good recovery, 1-3' sections of	580	590	10	284	0.01	L.003	L.005
			core.	590	600	10	285	0.01	L.003	
				600	612	12	286	0.01	L.003	L.005
			END OF HOLE							

Diamond Drill Record

COLLAR:
NORTH 304+30N
EAST 227W
ELEVATION 3,800'
LOGGED BY R. Dickinson
DATE LOGGED 6/23/72
MAP REFERENCE NO. 115-I-3

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
Vertical		
500		
METHOD: BQ Wireline		

COMPANY NAME AREA EXPLORATION COMPANY
PROPERTY NAME MOUNT NANSEN
DRILLING CONTRACTOR Caron Diamond Drilling
ASSAYER Bondar-Clegg & Co. Ltd.
PURPOSE OF HOLE Metal Factor Anomaly, Structural Intersection, Aeromag Low

HOLE NO. CD-3 (461-72-1)
CLAIM NAME BETTY 31
COMMENCED June 13, 1972
FINISHED June 18, 1972
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
0	86	-	Quartz-feldspar porphyry rhyodacite boulders, limonite stained, minor pyrite. NW casing from 0-50' BW casing from 0-90'	086	090	4	4201	0.07	L.003	
86	94	90	Leached, goethite stained, med. grained, hornblende granodiorite, sulphide fracture fillings leached while 2% disseminated pyrite remains. Feldspars altered to soft white clay (Kaolin), probably supergene alteration. Minor chalcocite rims @ pyrite @ 90-91.	90	100	10	4202	0.05	L.003	L.005
94	143	98	Fresh med. grained mesocratic hornblende granodiorite - adamellite (quartz rich) 1-2% disseminated pyrite and as boxwork fracture fillings (2 mm). Fractures not intense, ll to & @ 45° to core axis common. Competent core 2' sections, minor epidote & chlorite. Minor grey black sooty chalcocite rims on pyrite (109-111) & (105)	100	110	10	4203	0.06	L.003	
				110	120	10	4204	0.03	L.003	
				120	130	10	4205	0.03	L.003	L.005
				130	140	10	4206	0.02	L.003	
143	155	96	Broken & fractured core, hornblende-granodiorite (quartz rich with mild clay alteration along fractures. Lengths commonly <1". Goethite films along fractures.	140	150	10	4207	0.02	L.003	
				150	160	10	4208	0.04	L.003	L.005
155	178	96	Highly clay altered granodiorite, no mafics left. Greenish yellow tinge of clay altered feldspars suggest montmorillonite. Core is soft and crumbly but good recovery. 3% disseminated cubic pyrite crystals.	160	170	10	4209	0.05	L.003	
				170	180	10	4210	0.03	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME AREA EXPLORATION COMPANY
PROPERTY NAME MOUNT NANSEN
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-3 (461-72-1)
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
178	203	97	Mildly clay (kaolin) altered hornblende granodiorite.	180	190	10	4211	0.03	L.003	L.005
			Core extremely broken <1" sections often sludge-like	190	200	10	4212	0.05	0.004	
			(184-185). 1-2% disseminated cubic pyrite crystals							
			@ 191-98 1" quartz-pyrite-MoS_2 veinlet cuts core axis							
			@ 70°.							
203	229	96	Intensely clay altered, med. grained hornblende grano-	200	210	10	4213	0.02	L.003	
			diorite, no mafics left, sludge only from 216-219. Sludge	210	220	10	4214	0.03	L.003	L.005
			is limonite stained. A thin layer of grayish black clay	220	230	10	4215	0.04	L.003	
			on fractures 45° & 11 to core axis suggests shearing							
			movement. 1-2% disseminated cubic pyrite crystals.							
229	293	99	Good competent core, 2' lengths of essentially unaltered	230	240	10	4216	0.03	L.003	
			hornblende granodiorite, minor inch sections of clay	240	250	10	4217	0.08	L.003	L.005
			alteration along fractures. Granodiorite is quartz rich	250	260	10	4218	0.03	L.003	
			(15%) with minor epidote & chlorite. 2-3% pyrite occurs	260	270	10	4219	0.02	L.003	
			as disseminations and minor (3 mm) fracture fillings.	270	280	10	4220	0.02	L.003	L.005
				280	290	10	4221	0.04	L.003	
293	323	99	Intensely kaolinized granodiorite - no mafics, 3%	290	300	10	4222	0.02	L.003	
			disseminated pyrite and quartz pyrite, pinkish feldspar.	300	310	10	4223	0.03	L.003	L.005
			1" veinlets @ 307	310	320	10	4224	0.01	L.003	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME AREA EXPLORATION COMPANY
PROPERTY NAME MOUNT NANSEN
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-3 (461-72-1)
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS Au
323	354	99	At 323' contact hornblende granodiorite with feldspar	320	330	10	4225	0.09	L.003	L.005
			porphyry rhyodacite. Rhyodacite is light grey, 2 mm	330	340	10	4226	0.01	L.003	L.005
			plagioclase phenocrysts abundant, minor quartz phenocrysts	340	350	10	4227	0.01	L.003	
			3" pyrite, minor chalcopyrite veinlet at contact. 1%	350	360	10	4228	0.02	L.003	
			disseminated pyrite crystals. Several grey quartz & pyrite							
			4 mm fracture fillings @ 30° & 10° to core axis. Blackish							
			grey clay (MoS_2?) and slickensides suggests movement and	360	370	10	4229	0.03	L.003	L.005
			shear along fractures. 2 mm calcite fracture filling @	370	380	10	4230	0.02	L.003	
			356'. Rhyodacite is moderately clay altered and no	380	390	10	4231	0.01	L.003	
			mafics are preserved.	390	400	10	4232	0.02	L.003	L.005
354	389	96	Short broken 1" lengths of rhyodacite porphyry, very	400	410	10	4233	0.01	L.003	
			minor chalcopyrite - 1% disseminated pyrite. Sheared	410	420	10	4234	0.01	L.003	
			grey black clay (gouge) fracture fillings.	420	430	10	4235	L.01	L.003	
389	500	99	Competent rhyodacite porphyry core. Lengths 2-3'.	430	440	10	4236	0.03	L.003	
			Moderately clay altered, alteration decreasing with depth;	440	450	10	4237	0.05	L.003	
			no mafics. @ 480-485 plagioclase is hematite stained.	450	460	10	4238	0.08	L.003	L.005
			2" pyrite seam ⊥ to core axis at 461.5', possibly	460	470	10	4239	0.01	0.004	
			minor MoS_2?	470	480	10	4240	0.04	L.003	
				480	490	10	4241	0.01	L.003	L.005
				490	500	10	4242	0.01	L.003	
								Shipped 21/6/72		

Diamond Drill Record

COLLAR:		HOLE SURVEY		
		FOOTAGE	AZIMUTH	DIP
NORTH	224N	600'		
EAST	195W	Vertical		
ELEVATION	4,100			
LOGGED BY	R.A. Dickinson			
DATE LOGGED	6/24/72			
MAP REFERENCE NO.	115-I/3	METHOD:	Acid Test	

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR E. Caron Diamond Drilling
ASSAYER Bondar-Clegg & Co. Ltd.
PURPOSE OF HOLE Intense phyllic alteration, metal factor anomaly, proven Cu (CP-1)

HOLE NO. CD-4
CLAIM NAME Dome 59
COMMENCED June 18/72
FINISHED June 22/72
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS	ASSAYS Au	Check Assays (Chemex)	Cu	Mo
0	50		N W casing to 50'											
			B W casing to 50'											
			Several varying boulders cored to 55'. Near surface, quartz feldspar rhyodacite porphyry boulders - near bed-rock, dark grey-green quartz diorite fragments.											
50	64	92%	Medium grained mesocratic greyish-green quartz diorite. Fractured & broken core. All fracture surfaces thickly coated with goethite and minor jarosite.	50	60	10	100	0.04	0.030		0.003		0.05	0.025
64	65	90%	Seam of iron stained kaolin, soft & friable.											
65	91	97%	Fine - medium grained biotite quartz diorite, grey black, moderately magnetic. Goethite stains all fractures which are commonly parallel and 30-60° to the core axis. Most sulphides are leached from fractures but finely < 1% disseminated pyrite remains. Minor chlorite, clay and epidote replace mafics. @ 74.8 and 86.5 chalcocite thinly coats pyrite veinlets. Broken core, 2-3" sections.	60	70	10	101	0.05	0.066		L.005		0.06	0.054
				70	80	10	102	0.12	0.018		L.005		0.13	0.018
				80	90	10	103	0.22	0.019		0.006		0.22	0.019
				90	100	10	104	0.21	0.015		0.005		0.22	0.016
				100	110	10	105	0.11	0.015		0.005		0.13	0.016
91	145	99%	Fine grained diorite, only minor evidence of weathering, minor limonite stains on the odd fracture. 1% finely disseminated pyrite & as hairline fracture fillings. At 100, 103, 104, 119, 126, 1" massive pyrite veinlets coated with sooty black chalcocite, pyrite is commonly irridescent (probably covellite rimming).	110	120	10	106	0.08	0.010		L.005		0.09	0.009
				120	130	10	107	0.14	0.011		0.005		0.15	0.009
				130	140	10	108	0.16	0.014		0.005		0.20	0.013
				140	150	10	109	0.14	0.029		0.005		0.15	0.026

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME: Area Exploration Company
PROPERTY NAME: Mount Nansen
DRILLING CONTRACTOR:
ASSAYER:
PURPOSE OF HOLE:

HOLE NO. CD-4
CLAIM NAME Dome 59
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo		ASSAYS Au		Check Assays (Chemex) Cu	Check Assays (Chemex) Mo
			Minor epidote clots associated with pyrite veinlets.											
145	149	99%	& Sheared brecciated section. Angular quartz rich aplitic											
			fragments within quartz diorite, probably formed from movement											
			along aplite dykelets. Pyrite, epidote & carbonate											
			fillings subsequent to aplite intrusion & shearing. Thin											
			rims of chalcocite on pyrite. Aplite fragments stained											
			pinkish (oxidation of magnetite?), one fracture is vuggy											
			with calcite walls.	150	160	10	110	0.20	0.069		0.005		0.23	0.065
149	151	99%	Competent 1-2' sections of core. Quartz diorite with	160	170	10	111	0.08	0.017		0.005		0.10	0.015
			finely disseminated pyrite. Minor supergene chalcocite	170	180	10	112	0.05	0.012		0.005		0.05	0.011
			as pyrite skins.	147	159	12	113	0.53	0.041		0.013	Sludge	0.53	0.040
151	166	92%	Extremely broken core, 1/2" pieces to sludge. Quartz	159	170	11	114	0.43	0.015		0.017	"	0.46	0.014
			diorite is soft, clayey & greenish grey. 5% pyrite with	170	180	10	115	0.23	0.023		0.005	"	0.20	0.021
			10% @ 160-162'. Abundant supergene chalcocite =.4-.6%	180	190	10	116	0.16	0.022		0.005	"	0.16	0.024
			(visual) appears to coat pyrite.	190	200	10	117	0.12	0.039		0.005	"	0.13	0.036
166	170	98%	Competent quartz diorite, minor white kaolin on a few	200	210	10	118	0.18	0.045		0.005	"	0.17	0.045
			fractures, only minor chalcocite & disseminated pyrite	210	220	10	119	0.18	0.040		0.005	"	0.18	0.042
			in quartz diorite.	180	190	10	120	0.06	0.013					
170	303	99%	Greenish black, melanocratic diorite - quartz diorite	190	200	10	121	0.07	0.019					
			Minor chlorite & epidote clots replacing	200	210	10	122	0.07	0.025		L.005			
			biotite & hornblende mafics. <1% disseminated pyrite	210	220	10	123	0.05	0.022					

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-4
CLAIM NAME Dome 59
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo		ASSAYS Au
			and the odd speck of chalcopyrite.								
			Fractures commonly parallel core axis and 30-60° to it	220	230	10	124	0.05	0.012		
			although occur at all angles, always pyrite coatings,	230	240	10	125	0.05	0.007		L.005
			often hairline. Several 1" veinlets of massive pyrite	240	250	10	126	0.06	0.017		
			associated with epidote, chlorite & carbonate although	250	260	10	127	0.06	0.016		L.005
			minor. These occur at 247, 294, 219, 292, 243. @ 243	260	270	10	128	0.08	0.018		
			several flecks of molybdenite occur with qtz-pyrite vein-	270	280	10	129	0.06	0.016		L.005
	let.	Aplite	dykelets ¼ to ½" have intruded diorite which has been re-	280	290	10	130	0.06	0.030		
			fractured offsetting most aplite. Sulphide minerali-	290	300	10	131	0.08	0.017		
			zation probably post-aplite. Offsetting of aplite has	300	310	10	132	0.10	0.023		0.005
			caused brecciated effect over short intervals @ 302, 293,								
			294, 252, 253.								
303	328	99%	Fine-med. grained greyish-black quartz diorite becomes	310	320	10	133	0.13	0.010		0.005
			slightly greyer with depth (probably increasing argilli-	320	330	10	134	0.08	0.016		
			zation). Rock is propylitized (epidote clots, mafics								
			gone to chlorite). Quartz, pyrite & epidote fill minor								
			hairline fractures parallel to core axis and 30-90° to it.								
			Traces of finely disseminated chalcopyrite. Magnetite &								
			chalcopyrite ¼" veinlet at 307. @ 321-322 chloritized								
			shear surface parallel to core axis.								

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO	METHOD:		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-4
CLAIM NAME Dome 59
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo	ASSAYS	ASSAYS Au
328	331	99%	Propylitized quartz diorite. Abundant chlorite-epidote-								
			pyrite clots. Carbonate fills minor fractures.								
331	338		Quartz diorite, melanocratic - minor propylitization.	330	340	10	135	0.05	0.020		L.005
338	341	98%	Greenish cream grey quartz-latite dyke (dense,								
			fine grained), 1-2% finely disseminated pyrite. 5%								
			chloritized green mafics. Clay & pyrite on fractures.								
			Some minor biotite & quartz (1 mm) phenocrysts. Good								
			recovery, competent 1' sections.								
341	359	99%	Med.-fine grain grey black quartz diorite slightly pro-	340	350	10	136	0.05	0.019		
			pylitized, 1-2% disseminated pyrite. Good recovery, 1'	350	360	10	137	0.04	0.012		
			sections.								
359	361.8	99%	Aplitic quartz-latite, quartz rich at contacts with								
			quartz diorite. @ 361.8 minor molybdenite along fracture	360	370	10	138	0.05	0.020		L.005
			within chilled margins. Minor epidote & chlorite. Finely								
			disseminated pyrite 1%.								
361.8	379.5	98%	Greyish black quartz diorite. Minor epidote chlorite	370	380	10	139	0.06	0.020		
			& finely disseminated pyrite.	380	390	10	140	0.01	L0.003		
379.5	393.5	99%	Greenish cream grey, dense-fine grained quartz -								
			latite. Minor (1 mm) quartz phenocrysts 5% mafics are								
			completely chloritized. Carbonate (calcite) fracture								
			filling @ 392. Fractures commonly @ 20° to core axis,								

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-4
CLAIM NAME Dome 59
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	Mo		Au
			but occur at all angles. Good recovery, competent core								
			1-2' sections.								
393.5	411	99%	Greyish black, medium grained quartz diorite. 1% finely	390	400	10	141	0.07	0.011		L.005
			disseminated pyrite and odd fracture filling.	400	410	10	142	0.05	0.013		
411	441	97%	Feldspar porphyry (rhyodacite porphyry), dense to fine	410	420	10	143	0.04	0.007		
			grained, dark grey black. 1% disseminated pyrite &	420	430	10	144	0.01	L0.003		L.005
			trace finely disseminated chalcopyrite. Speck of Native	430	440	10	145	0.02	L0.003		
			Copper @ 412. Core competent, but broken at both contacts.								
441	457	99%	Quartz-latite, 1-2% finely disseminated pyrite, mafics	440	450	10	146	0.02	L0.003		
			(5%) gone to chlorite.	450	460	10	147	0.02	0.013		L.005
457	507	99%	Grey-black, fine grained, quartz diorite, minor pro-	460	470	10	148	0.12	0.018		
			pylitization.	470	480	10	149	0.08	0.017		0.005
507	527	80%	Extremely sheared & fractured quartz diorite, Clay,	480	490	10	150	0.10	0.030		
			carbonate & chlorite fill all fractures. 1-2% dissemi-	490	500	10	151	0.14	0.013		
			nated pyrite. Shear surfaces show chloritized slicken-	500	510	10	152	0.11	0.015		0.005
			sides.	510	520	10	153	0.09	0.017		
527	555	99%	Grey-black, fine-med. grained quartz diorite, 5% epidote	520	530	10	154	0.03	0.016		
			& chlorite clots. 1% disseminated pyrite. Good recovery,	530	540	10	155	0.04	0.019		L.005
			1-2' sections.	540	550	10	156	0.04	0.011		
555	566	99%	Aplitic, quartz latite, 5" sections, finely disseminated	550	560	10	157	0.02	0.026		
			pyrite.								

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD		

COMPANY NAME Area Exploration Company
PROPERTY NAME Mount Nansen
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. CD-4
CLAIM NAME Dome 59
COMMENCED
FINISHED
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS Cu	ASSAYS Mo		ASSAYS Au
566	595	95%	Quartz diorite, sheared. Clay & chlorite on shear	560	570	10	158	0.02	0.006		L.005
			surfaces. Minor pyrite 1-2" sections of core common.	570	580	10	159	0.06	0.020		
595	600	99%	Greenish black quartz diorite, minor chlorite & epidote.	580	590	10	160	0.07	0.014		
			2% disseminated pyrite, minor fracture fillings.	590	600	10	161	0.05	0.019		L.005
			Essentially unaltered. Competent core, 1' sections.								
			END OF HOLE								

CLAIM STATUS as of AUGUST 28/73

KEY

OUTLINE OF CLAIMS STAKED BY AREA AND OPTIONED BY AREA FROM MT. NANSEN MINES LTD.

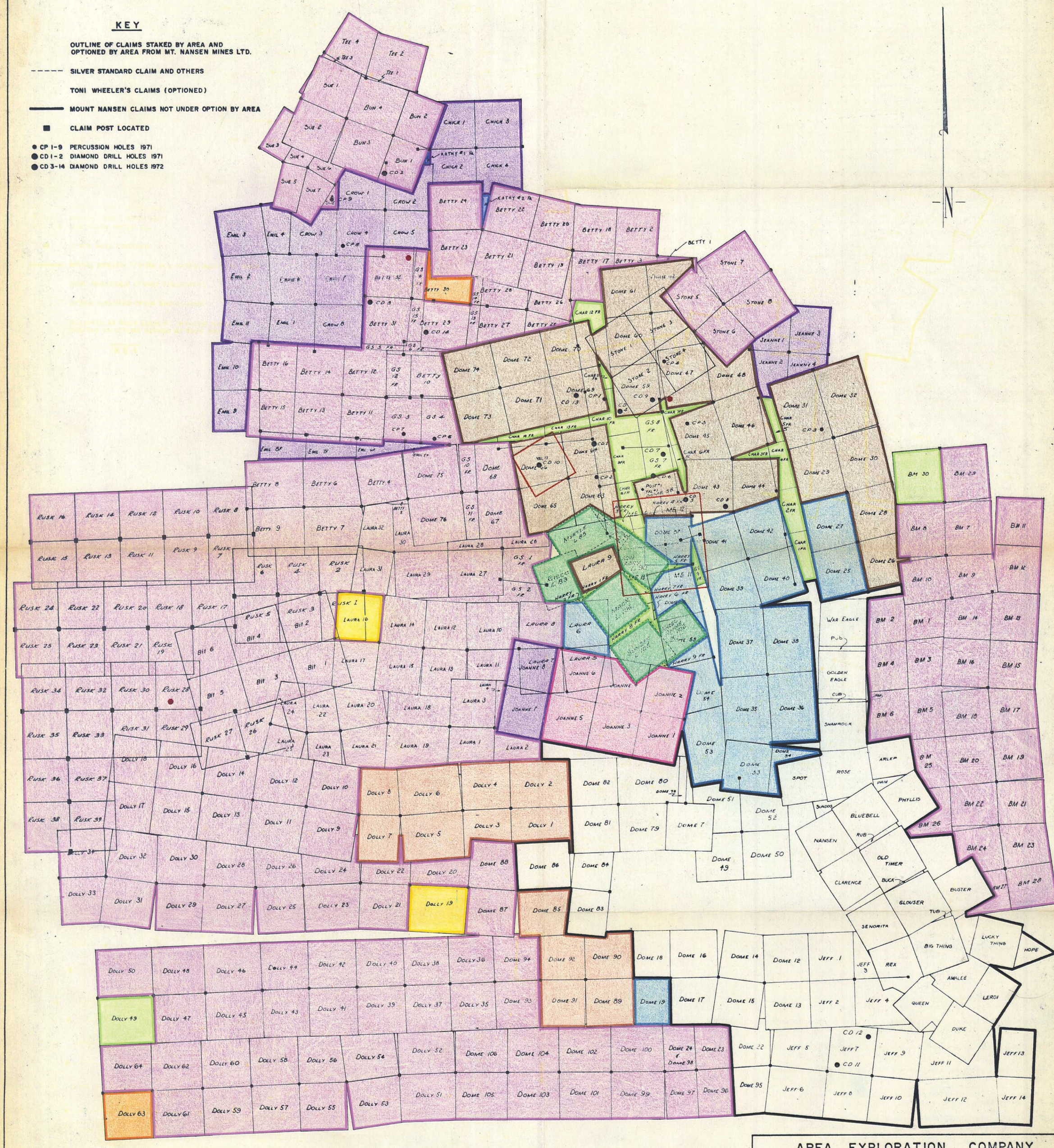
SILVER STANDARD CLAIM AND OTHERS

TONI WHEELER'S CLAIMS (OPTIONED)

MOUNT NANSEN CLAIMS NOT UNDER OPTION BY AREA

CLAIM POST LOCATED

● CP 1-9 PERCUSSION HOLES 1971
● CD 1-2 DIAMOND DRILL HOLES 1971
● CD 3-14 DIAMOND DRILL HOLES 1972



OCT. 74
MAY 75
MAY 76
JULY 76
SEPT. 76
MAY 77
NOV. 77 (GOULTER OPTION)

MAY 78
SEPT. 79
MAY 80
JULY 82

AREA IN POSSIBLE CONTRAVENTION WITH SILVER STANDARD

APPROXIMATE LOCATIONS FOR PROPOSED 1973 DRILL HOLES

inches
0 1 2
0 1 2 3 4 5
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

AREA EXPLORATION COMPANY

MT. NANSEN PROJECT

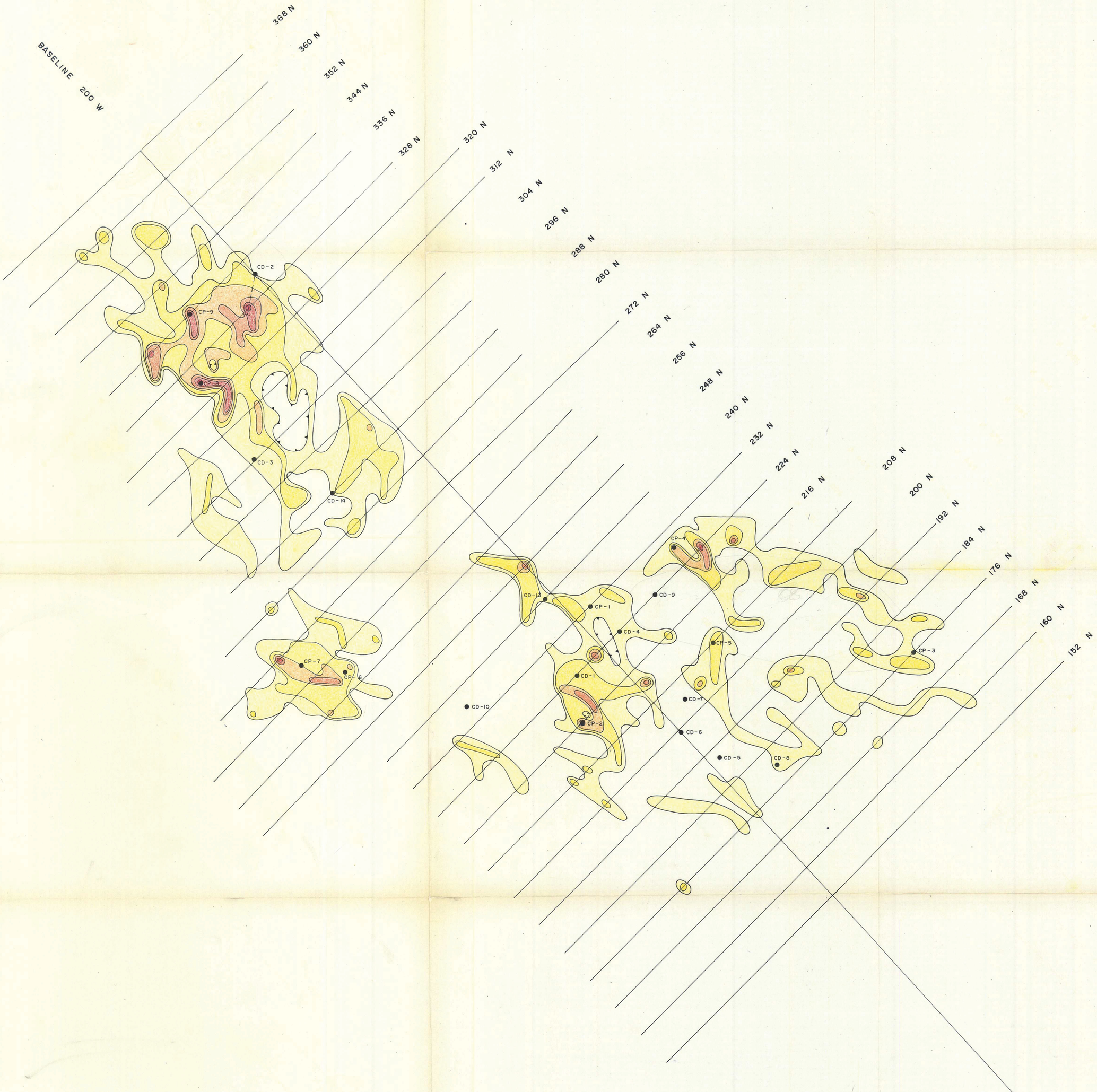
CLAIM LOCATION PLAN

1000 0 1000 2000 3000 FEET
SCALE IN FEET

COMPILED BY: R. A. DICKINSON

DATE: JULY 30, 1971

Map 1



Map 3

inches
0 1 2
0 1 2 3 4 5
centimetres

YUKON GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

AREA EXPLORATION COMPANY

MT. NANSEN PROJECT

GEOCHEMICAL SOIL SURVEY — COPPER

1 in. = 1000 ft.

DECEMBER, 1971

KEY:

- › 1000 p.p.m.
- 800 – 1000 p.p.m.
- 600 – 800 p.p.m.
- 400 – 600 p.p.m.
- 200 – 400 p.p.m.
- 100 – 200 p.p.m.

● DRILL HOLES, 1971 – 1972



Map 4

inches
0 1 2
0 1 2 3 4 5
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

AREA EXPLORATION CORPORATION

MT. NANSEN PROJECT

GEOCHEMICAL SOIL SURVEY — **MOLYBDENUM**

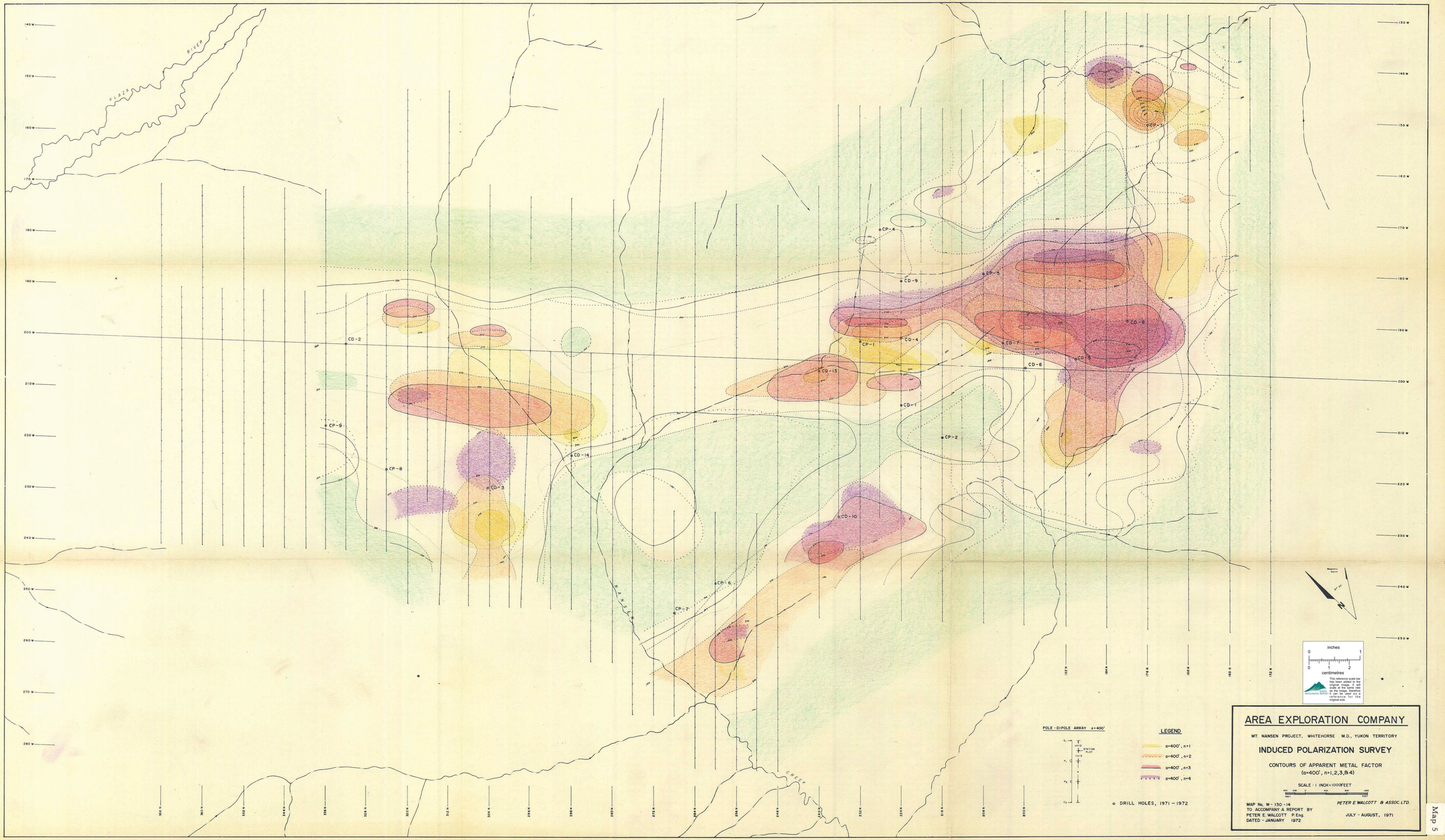
1 in. = 1000 ft.

DECEMBER, 1971

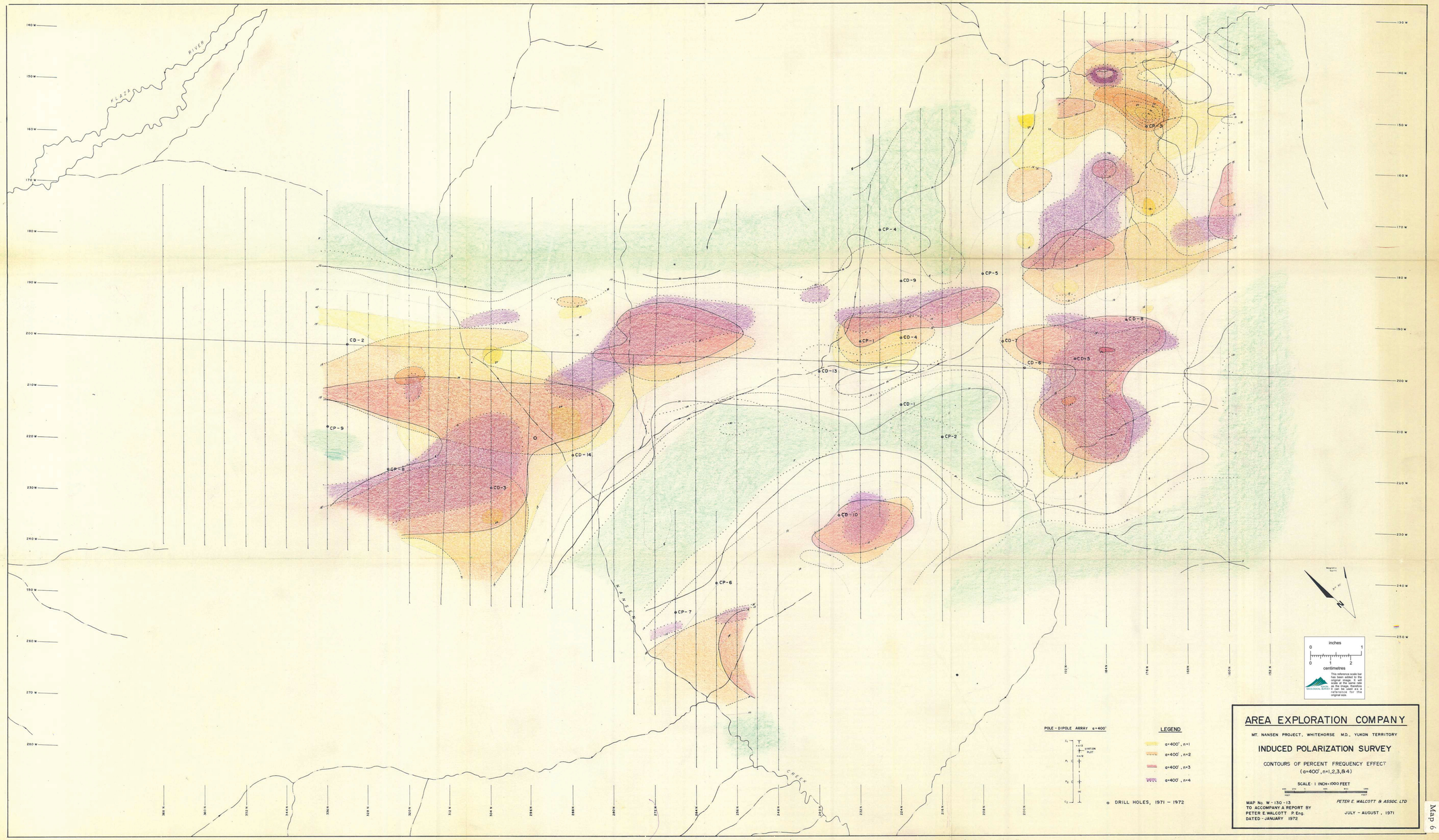
KEY:

- › 90 p.p.m.
- 71 – 90 p.p.m.
- 51 – 70 p.p.m.
- 31 – 50 p.p.m.
- 10 – 30 p.p.m.

● DRILL HOLES, 1971 – 1972


KLAZA RIVER
NANSEN CREEK
CD-1
CD-2
CD-3
CD-4
CD-5
CD-6
CD-7
CD-8
CD-9
CD-10
CD-13
CD-14
CP-1
CP-2
CP-3
CP-4
CP-5
CP-6
CP-7
CP-8
CP-9
POLE - DIPOLE ARRAY a=400'
STATION PLOT
LEGEND
a=400', n=1
a=400', n=2
a=400', n=3
a=400', n=4
o DRILL HOLES, 1971 - 1972
inches
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.
AREA EXPLORATION COMPANY
MT. NANSEN PROJECT, WHITEHORSE M.D., YUKON TERRITORY
INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT METAL FACTOR
(a=400', n=1,2,3,& 4)
SCALE : 1 INCH = 1000 FEET
MAP No. W - 130 - 14
TO ACCOMPANY A REPORT BY
PETER E. WALCOTT P.Eng.
DATED - JANUARY 1972
PETER E. WALCOTT & ASSOC. LTD.
JULY - AUGUST, 1971

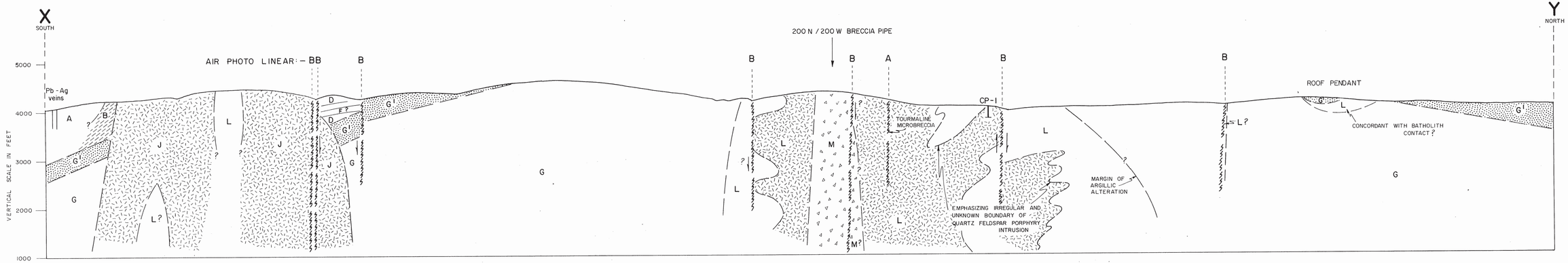
Map 5


KLAZA RIVER
NANSEN CREEK
CP-1
CP-2
CP-3
CP-4
CP-5
CP-6
CP-7
CP-8
CP-9
CD-1
CD-2
CD-3
CD-4
CD-5
CD-6
CD-7
CD-8
CD-9
CD-10
CD-13
CD-14
POLE - DIPOLE ARRAY a=400'
STATION PLOT
LEGEND
a=400', n=1
a=400', n=2
a=400', n=3
a=400', n=4
o DRILL HOLES, 1971 - 1972
inches
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.
GEOLOGICAL SURVEY
AREA EXPLORATION COMPANY
MT. NANSEN PROJECT, WHITEHORSE M.D., YUKON TERRITORY
INDUCED POLARIZATION SURVEY
CONTOURS OF PERCENT FREQUENCY EFFECT
(a=400', n=1,2,3,&4)
SCALE: 1 INCH=1000 FEET
MAP No. W-130-13
TO ACCOMPANY A REPORT BY
PETER E. WALCOTT P. Eng.
DATED - JANUARY 1972
PETER E. WALCOTT & ASSOC. LTD
JULY - AUGUST, 1971

Map 6

SCHEMATIC GEOLOGICAL SECTION X – Y (SEE MAP)

AZIMUTH OF SECTION = 150°
KEY AS ON GEOLOGICAL MAP.



HORIZONTAL SCALE = VERTICAL SCALE = 1 in. = 1000 ft.

1000 0 1000 2000 3000

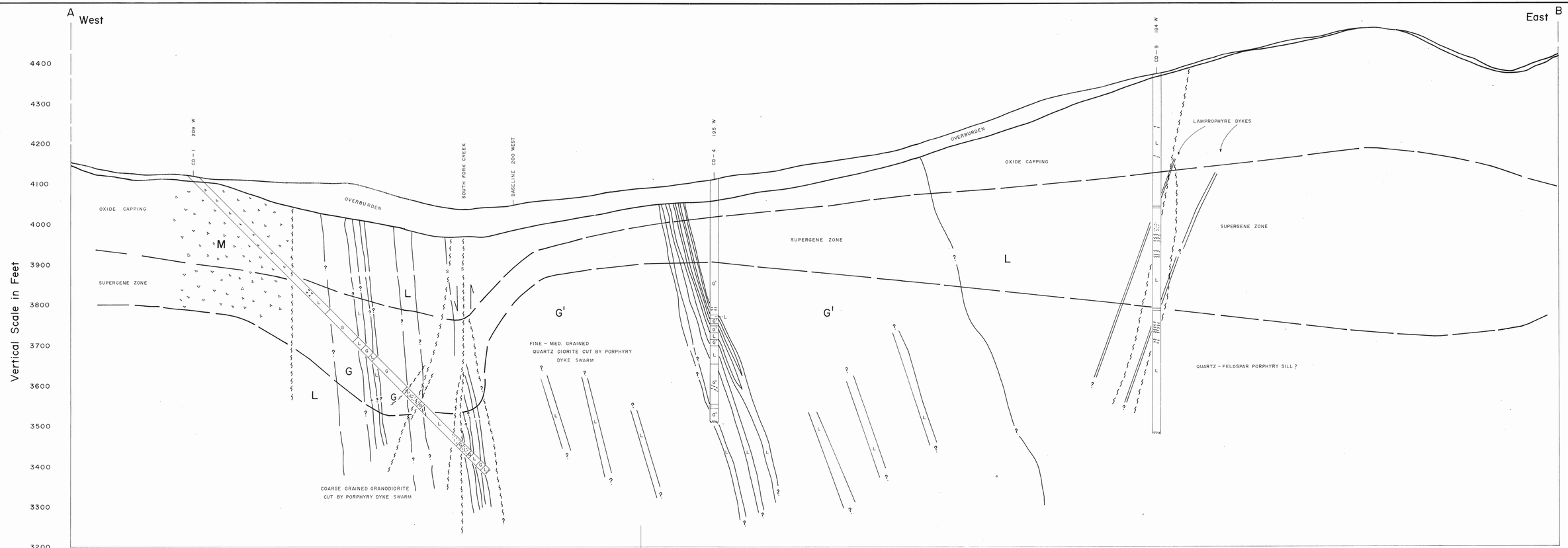
inches 0 1 2
centimetres 0 1 2 3 4 5

YUKON GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same ratio as the original and may be used as a reference for the original size.

AREA EXPLORATION COMPANY

JANUARY, 1972



AREA EXPLORATION COMPANY

SCHEMATIC GEOLOGICAL SECTION ALONG LINE 224 N

HORIZONTAL SCALE = VERTICAL SCALE

100 0 100 200 300 400
FEET

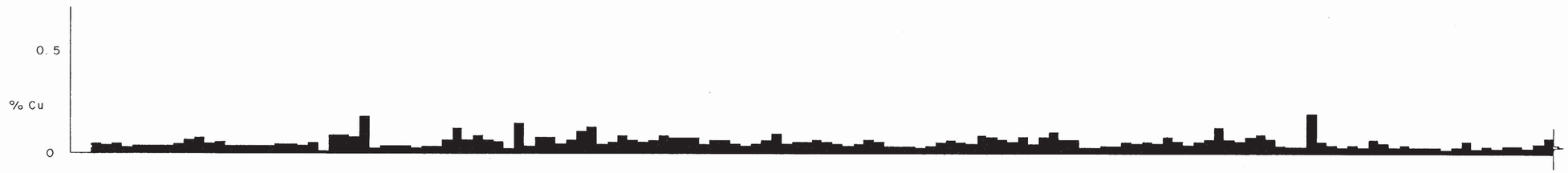
inches
0 1 2
0 1 2 3 4 5
centimetres

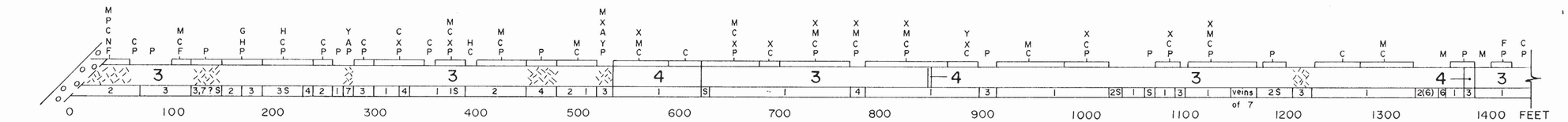
YUKON GEOLOGICAL SURVEY

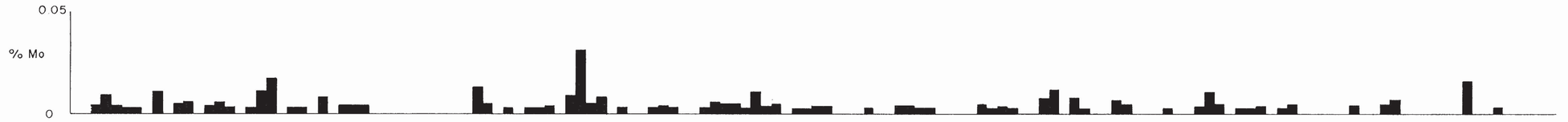
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

Map 8

DIAMOND DRILLING 1971







CD - 2

KEY:

- P - PYRITE
- C - CHALCOPYRITE
- M - MOLYBDENITE
- F - IRON OXIDE
- N - MANGANESE OXIDE
- H - CHALCOCITE
- G - GALENA
- A - ANHYDRITE
- X - MAGNETITE
- Y - CALCITE
- 3 - QTZ - MONZONITE
- 4 - RHYODACITE PORPHYRY
- BRECCIATION
- FAULT

ALTERATION FACIES and DIAGNOSTIC MINERALS

1	FRESH
2	PROPYLITIC (Chlorite)
3	ARGILLIC (Clays)
4	ADVANCED ARGILLIC (Clay, Sericite)
5	PHYLLIC (Sericite)
6	ADVANCED PHYLLIC (Sericite)
7	POTASSIC (K-Feldspar)
S	SILICIFIED

