Keg - Silver Range

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		599509	6912597	1706	482

ZONE: SNAP

SECTION:

HOLE: SNP-12-010

CLAIM: YD118171

Contractor: Top Rank

Drill: 2

Core Size: NQ

Casing Depth:

Drilling Dates: Aug 19 - Aug 27, 2012

Geology Logged By: J. Builder

SURVEY			
Depth (m)	Azimuth	Dip	Method
0	82	-45	Compass
146.91	89	-50.2	Ranger

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.75	1.75	-?-
1.75	482	480.25	GRN

SAMPLES	
Numbers:	M389801 to M389966
Total:	176
Batch:	040, 044, 046, 047, 049
Certificates:	WH12204985, WH12207208, WH12209420, WH12209421, WH12210693

COMMENTS
Hole mineralization is strong between 302m and 340m.

SNP-12-010

Box Number	From (m)	To (m)
1	1.75	7.3
2	7.3	12.47
3	12.47	18
4	18	24.28
5	24.28	30
6	30	35.74
7	35.74	41.42
8	41.42	47.18
9	47.18	52.79
10	52.79	59
11	59	64.18
12	64.18	69.53
13	69.53	75.12
14	75.12	81.65
15	81.65	87.25
16	87.25	92.9
17	92.9	98.38
18	98.38	104
19	104	109.83
20	109.83	115.27
21	115.27	120.98
22	120.98	126.66
23	126.66	131.63
24	131.63	137
25	137	142.46
26	142.46	148.02
27	148.02	153.5
28	153.5	159.08
29	159.08	164.72
30	164.72	170.43
31	170.43	176.22
32	176.22	182
33	182	187.78
34	187.78	192.47
35	192.47	199.11
36	199.11	204.76
37	204.76	210.41
38	210.41	216.04
39	216.04	221.52
40	221.52	227
41	227	232.83
42	232.83	238.58
43	238.58	244.36
44	244.36	250.21
45	250.21	255.92
46	255.92	261.45
47	261.45	267
48	267	272.37
49	272.37	277.89
50	277.89	283.42
51	283.42	289.22
52	289.22	294.8
53	294.8	300.3
54	300.3	305.62
55	305.62	311.1
56	311.1	316.75
57	316.75	322.25
58	322.25	327.83
59	327.83	333.42
60	333.42	339
61	339	344
62	344	349.3
63	349.3	354.71
64	354.71	360.17
65	360.17	365.75
66	365.75	371.46
67	371.46	377.14
68	377.14	383
69	383	388.85
70	388.85	394.35
71	394.35	399.9
72	399.9	405.08
73	405.08	410.73
74	410.73	416.49
75	416.49	422.24
76	422.24	427.94
77	427.94	433.74
78	433.74	439.53
79	439.53	445.39
80	445.39	450.98
81	450.98	456.74
82	456.74	462.31
83	462.31	469.97
84	469.97	473.57
85	473.57	479.16
86	479.16	482

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	1.75	1.75	-?-	--	casing, no recovery							
						--	--	---	---	--	--	0
1.75	6.80	5.05	GRN	MG	Medium grained, grey oxidized granite. Region is slightly rubbly to start with oxidation focusing in fractures throughout.							
						--	GY	PH	OXI	2I	--	0
6.80	9.15	2.35	GRN	MG	Highly fractured and weakly oxidized granite with an excess of manganese oxide staining in fractures. Fractures have a general orientation ranging from 40° to 60° to core axis.							
						--	OR	PH	OXI	2I	--	0
						--	BF	FR	MNO	4I		
9.15	10.79	1.64	GRN	MG	Region of potential siliceous infill overprinting argillic and phyllic alterations. Alterations are radiating outwards from highly oxidized fractures; argillic to phyllic. Fractured surfaces show weak manganese oxide staining.							
						--	OR	PH	MNO	2I	--	0
						--	GY		SIL	2I		
									ARG	2I		
									OXI	2I		
									PHC	2I		
10.79	20.00	9.21	GRN	MG	Region is moderately oxidized and phyllic altered granite. Mostly competent rock with localized rubble and grit. Weak to moderate oxidation is diffuse throughout interval and concentrated in fractures. Very seldom fractures have weakly siliceous envelopes or exhibit weak manganese oxide staining. **A vuggy, oxidized, quartz vein is located from 18.42m to 19.00m; upper contact is clear and oriented 26° to core axis while lower contact is rubbly and undefined.**							
						LT	GY		PHC	3I		
						DK	OR		MNO	2I		
						--	BF	PH	OXI	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
20.00	51.05	31.05	GRN	MG	Relatively unaltered granite. Weak oxidation and/or manganese oxide staining is pervasive on fractured surfaces. **A band of coarse grained granite is located from 50.62m to 50.71m and oriented 47° to core axis.							
						--	GY	PH	OXI	1I	--	0
									MNO	1I		
51.05	53.09	2.04	GRN	MG	Region of oxidized and phyllic altered granite with localized areas of weak argillic alterations. The upper contact is gradational and gritty in texture and, therefore, indiscernible while the lower contact is planar and oriented 24° to core axis. Region hosts few siliceous infills oriented roughly 45° to core axis; argillic to phyllic alterations spread away from the infills. Oxidation is pervasive throughout and focused in fractures and manganese oxide is seldom found.							
						--	BF	PH	OXI	3I	--	0
						--	GY		PHC	3I		
									ARG	2I		
									MNO	1I		
53.09	57.00	3.91	GRN	MG	Relatively unaltered granite with few regions of localized siliceous infill and weak oxidation on fractured surfaces.							
						--	GY	PH	OXI	1I	--	0
									SIL	1I		
57.00	59.05	2.05	GRN	MG	Region of weak to moderately phyllic altered granite with intermittent zones of argillation. Area hosts weak siliceous infills with no measureable orientation. Very seldom grit or rubble is also present.							
						--	GY	PH	PHC	3I	--	0
						--	BF		ARG	3I		
									OXI	2I		
59.05	64.20	5.15	GRN	MG	Mostly unaltered granite with few localized zones of phyllic and argillic alterations around infills. Region is weakly oxidized from 63.42m. **A coarse grained band of highly micaceous granite is located between 61.00m and 61.16m.**							
						--	GY	PH	OXI	1I	--	0
									PHC	1I		
									ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
64.20	66.06	1.86	GRN	MG	Moderately phyllic altered, rubbly granite with localized argillic alteration and grit present. Fractured surfaces host manganese oxide or a soft, greenish, creamy substance that does not effervesce in the presence of muriatic acid.							
						--	BF	PH	ARG	3I	--	0
						--	GY		PHC	3I		
									OXI	2I		
									MNO	2I		
66.06	74.06	8.00	GRN	MG	Relatively unaltered granite with few intermittent zones phyllic and argillic alteration and often weakly oxidized fractures.							
						--	GY	PH	OXI	1I	--	0
									PHC	1I		
									ARG	1I		
74.06	75.92	1.86	GRN	MG	Area of broad, siliceous, crackle fracturing giving appearance of weak brecciation. Small amount of infill is soft, creamy and yellowish in colour and as a powder effervesces in the presence of muriatic acid.							
						LT	GN					
						--	GY	PH	ARG	2I	--	0
75.92	78.80	2.88	GRN	MG	Weak to moderately siliceous granite.							
						--	GY	PH	SIL	2I	--	0
78.80	80.25	1.45	GRN	MG	Oxidized, rubbly and gritty granite with several siliceous infills and argillic and phyllic alterations radiating from them.							
						--	BF	PH	OXI	3I	--	0
						--	GY		SIL	3I		
									PHC	2I		
									ARG	2I		
80.25	81.26	1.01	GRN	MG	Gritty and rubbly oxidized granite with no excess of mineralization.							
						--	BF	RB	OXI	3I	--	0
								PH				
81.26	96.37	15.11	GRN	MG	Relatively unaltered granite with weak oxidation evident on fractured surfaces.							
						--	GY	PH	OXI	1I	--	0
96.37	98.00	1.63	GRN	MG	Moderately argillic altered granite with localized phyllic altered zones. Region is rubbly and gritty with few zones of competent rock.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	PH	ARG	3I	--	0
						--	WH	RB	PHC	2I		
									OXI	1I		
98.00	111.50	13.50	GRN	MG	Unaltered granite with weak oxidation on fractured surfaces. Few localized sections contain coarse micas or quartz with no sulphides or oxides present. Localized phyllic and argillic alterations also occur surrounding minor quartz fractures.							
						--	GY	PH	OXI	1I	--	0
									ARG	2I		
									PHC	2I		
111.50	113.40	1.90	GRN	MG	Moderately phyllic and argillic altered granite. Likely due to proceeding vein?							
						LT	GN					
						--	GY					
						--	TN					
113.40	113.74	0.34	GRN	MG	Brecciated and weakly vuggy quartz vein; matrix is highly siliceous with a soft, creamy substance (potential clay minerals?) and hosts blebby, fine grained arsenopyrite, sphalerite and pyrite. General fabric of vein is oriented 46° to core axis, however, upper contact has a slightly offset angle at 27° to core axis. Argillic and phyllic alteration proceeds vein interval.							
						LT	GN	BX	ARG	2I	As	20
						--	GY	VU			Py	5
											Sp	8
113.74	117.95	4.21	GRN	MG	Region is highly phyllic and argillic altered due to series of quartz fractures and veins that host no sulphides as well as veins above and below interval that host sulphides. General orientation of infills is 50° to core axis. Region also hosts a fair amount of the soft, creamy mineral described above (likely clay minerals from argillic alteration?).							
						LT	GY	PH	ARG	3I	--	0
						LT	GN		PHC	3I		
117.95	118.12	0.17	GRN	MG	Weakly brecciated quartz vein hosting a band of blebby chalcopyrite surrounded by weak blebby sphalerite and trace galena. Few clasts of host rock within matrix exhibit strong argillic alteration. Upper and lower contacts are parallel at 45° to core axis.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	WH	FR			Sp	1
						--	GY	BX	ARG	3I	Cp	4
											Gn	0.5
118.12	120.60	2.48	GRN	MG	Phyllic and argillic altered sibsection likely due to preceeding quartz and sulphide vein.							
						--	GY	PH	ARG	2I	--	0
						--	TN		PHC	2I		
120.60	159.95	39.35	GRN	MG	Relatively unaltered granite. Region contains several localized argillic and phyllic alterations as well as gritty or rubbly subsections. Few pegmatitic sections of coarse grained micas and quartz are present as well. Region hosts no visible sulphides.							
						--	TN	PH	ARG	1I	--	0
						--	GY		PHC	1I		
170.58	170.66	0.08	GRN	MG	Planar 0.1 to 0.2 cm wide quartz infill hosting trace, fine grained pyrite and sphalerite. Host rock surrounding fracture is argillic and phyllic altered							
						--	GY	PH	ARG	2I	Py	1
								FR	PHC	2I	Sp	2
170.66	180.83	10.17	GRN	MG	same as 159.95m to 170.38m							
						--	GY	PH	ARG	1I	--	0
									PHC	1I		
180.83	181.00	0.17	GRN	MG	0.7 cm argillic altered quartz infill hosting weak, fine grained, disseminated pyrite and a potential black sulphide powder that lacks any identifiable properties. Fracture is oriented 21° to core axis. Surrounding rock is argillic and phyllic altered.							
						--	GY	PH	ARG	3I	Py	2
						--	TN	FR	PHC	2I		
181.00	218.80	37.80	GRN	MG	same as 159.95m to 170.58m with an increase in localized siliceous rock.							
						--	GY	PH	ARG	1I	--	0
									PHC	1I		
									SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
218.80	227.37	8.57	GRN	MG	Weak to moderately altered, light grey, light green and tan granite hosting a fair amount of siliceous infill, few laced with calcite. Fractures range in orientation with seemingly three sets; 30°, 10° and 50° to core axis, all sets show variable, fine grained, sulphide mineralization - galena, sphalerite, pyrrhotite, pyrite and arsenopyrite. Localized rubble or grit can be found throughout interval. Alterations are localized and diffuse with chloritization focusing on quartz infill.							
						LT	GY	PH	ARG	3I	Gn	0.1
						LT	GN	FR	PHC	3I	Sp	0.5
						--	TN		CHL	2I	Po	1
											Py	1
											As	0.8
227.37	249.65	22.28	GRN	MG	Mostly unaltered, grey, micaceous granite. Few, weakly chlorite altered, quartz carbonate filled fractures exist seldom hosting weak sulphides - sphalerite, pyrrhotite and pyrite; overall, mineralization of interval is almost non-existent. Pegmatitic mica and quartz bands are occur intermittently.							
						--	GY	PH	ARG	1I	Py	0.01
									PHC	1I	Po	0.05
											Sp	0.05
249.65	253.44	3.79	GRN	MG	Argillic and phyllic altered granite with few localized, unaltered subsections. Region has few mineralized fractures hosting blebby sulphides - pyrite, pyrrhotite, sphalerite and galena; overall, mineralization is trace.							
						--	GY	PH	ARG	3I	Py	1
						--	TN		PHC	3I	Po	0.5
									CHL	1I	Sp	0.5
											Gn	0.05
253.44	253.59	0.15	VEN	--	Roughly 4.0 cm quartz vein hosting semi massive pyrite replacement and blebby galena and sphalerite. Vein is weakly vuggy with euhedral quartz in vugs and oriented 40° to core axis.							
						--	--	BN	CHL	1I	Py	70
											Gn	2
											Sp	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
253.59	262.65	9.06	GRN	MG	Region of phyllic and argillic altered granite with regular fractures hosting pyrite, sphalerite and seldom galena. Fracture infill is generally siliceous in composition.							
						LT	GN		CHL	1I	Gn	0.01
						--	GY	PH	ARG	3I	Py	2
						--	TN		PHC	2I	Sp	0.5
262.65	266.34	3.69	GRN	MG	Subsection of altered and fractured granite. Fractures are planar or discontinuous and host a potential black sulphide powder that lacks any identifiable properties. Region is also locally siliceous hosting identifiable, blebby, fracture controlled sulphides - pyrite, pyrrhotite, sphalerite and galena.							
						LT	GY	PH	ARG	2I	Py	2
						LT	TN	FR	PHC	2I	Po	2
									SIL	2I	Gn	0.5
											Sp	0.5
266.34	278.00	11.66	GRN	MG	Relatively unaltered granite with localized regions of phyllic and argillic alteration as well as localized grit or rubble. Few siliceous zones host weakly mineralized fractures - pyrite.							
						LT	TN		PHC	2I		
						--	GY	PH	ARG	2I	Py	0.5
									SIL	1I		
278.00	280.75	2.75	GRN	MG	Moderately argillic and phyllic altered granite with chloritization focusing in fractures. Fractures occur regularily with no general orientation and host fine grained pyrite.							
						MD	GN		CHL	2I		
						--	GY	PH	ARG	3I	Py	2
						--	TN	FR	PHC	3I		
280.75	287.40	6.65	GRN	MG	Relatively unaltered granite with few localized areas of argillic and phyllic alterations.							
						--	GY	PH	ARG	2I	--	0
									PHC	2I		
									CHL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
287.40	289.15	1.75	GRN	MG	Phyllic and argillic altered granite. Region is also locally siliceous with regularily occuring mineralized fractures. Fractures have no consistent orientation and host fine grained pyrite and sphalerite. Few replacement blebs of sphalerite and pyrite also occur. Chloritization is weakly diffuse and concentrated in fractures. Intermittent zones are unaltered, competent rock.							
						LT	GN	FR	PHC	3I	Sp	2
						--	TN	PH	ARG	3I	Py	3
						--	GY		CHL	2I		
289.15	293.90	4.75	GRN	MG	Mostly altered granite with localized zones of unaltered rock. Region hosts minimal, blebby, pyrite and sphalerite replacement.							
						--	TN	PH	ARG	2I	Py	0.5
						--	GY		PHC	2I	Sp	0.1
293.90	302.00	8.10	GRN	MG	same as 287.40m to 289.15m.							
						LT	GN	FR	PHC	3I	Sp	2
						--	TN	PH	ARG	3I	Py	3
						--	GY		SIL	1I		
302.00	320.20	18.20	GRN	MG	Region has a similar host rock to preceding interval with a great increase in mineralization intensity. Rock is phyllic and argillic altered with localized siliceous regions. Sulphides (pyrrhotite, pyrite and sphalerite) are blebby in fractures and as replacement. Galena is trace and only found within fractures. Veins and fractures are vuggy with large (0.5cm) euhedral crystals of quartz and pyrite. Seldom euhedral arsenopyrite and galena occur as well. Quartz also occurs as nodules within vugs. **see secondary structure log for widths, orientations and compositions of specific veins.**							
						LT	GY	PH	ARG	3I	Py	6
						LT	GN		SIL	3I	Gn	0.5
						--	TN	FR	PHC	3I	Sp	4
											As	0.5
											Po	6

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
320.20	321.65	1.45	VEN	--	Intensely mineralized, vuggy quartz vein. Mineralization consists of semimassive pyrite. Vugs are filled with large euhedral pyrite and quartz crystals with smaller blebs of sphalerite, galena and seldom arsenopyrite. Vein is discontinuous with chunks of host rock between veining bands. No measureable orientation angles can be found.							
						--	--	VU	SIL	5I	Py	60
								FR			Sp	10
											Gn	3
											As	1
											Po	10
321.65	322.85	1.20	GRN	MG	same as 302.00m to 320.20m with increased sulphide intensity - pyrite, pyrrhotite, sphalerite, galena and arsenopyrite.							
						--	GY	PH	ARG	3I	Py	30
						--	TN	FR	PHC	3I	Sp	8
									SIL	3I	Gn	1
											Po	10
322.85	324.85	2.00	GRN	MG	Region of decreased mineralization compared to uphole. Granite is argillic and phyllic altered siliceous and chloritized fractures hosting sulphides - pyrite, sphalerite, galena and arsenopyrite. Weak pyrite is also disseminated throughout.							
						--	GY	PH	ARG	2I	Py	5
						--	TN	FR	PHC	2I	Py	2
									SIL	1I	Sp	0.5
									CHL	1I	Gn	0.1
											As	0.1
354.00	377.00	23.00	GRN	MG	Mostly unaltered granite with localized siliceous, argillic and phyllic altered rock. Very few fractures occur hosting sphalerite and pyrite. Localized pegmatitic bands of coarse grained quartz and micas seldom occur. Chloritization is very minor and focused in calcareous fractures.							
						--	GY	PH	PHC	1I	Py	0.1
									ARG	1I		
									SIL	1I	Sp	0.05
377.00	378.62	1.62	GRN	MG	Subsection of argillic and phyllic altered granite with one highly argillic and weakly chlorite altered fracture infilled with pyrite.							
						LT	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	GY	PH	ARG	3I	Py	0.1
						--	WH		CHL	2I		
378.62	395.00	16.38	GRN	MG	Mostly unaltered granite with very seldom fractures hosting pyrite. Region is locally phyllic and argillic altered.							
						--	GY	PH	ARG	1I	Py	0.1
									PHC	1I		
395.00	400.10	5.10	GRN	MG	Argillic and phyllic altered granite with localized unaltered rock, grit or rubble. Few fractures are argillic altered and host pyrite, sphalerite and seldom galena. Fractures have no consistent orientation or width.							
						--	TN	RB	PHC	3I	Sp	0.5
						--	GY	PH	ARG	3I	Py	1
											Gn	0.5
400.10	410.70	10.60	GRN	MG	same as 378.62m to 395.00m.							
						--	GY	PH	ARG	1I	Py	0.1
									PHC	1I		
410.70	412.00	1.30	GRN	MG	same as 395.00m to 400.10m.							
						--	TN	RB	PHC	3I	Sp	0.5
						--	GY	PH	ARG	3I	Py	1
											Gn	0.5
412.00	447.65	35.65	GRN	MG	same as 378.62m to 395.00m.							
						--	GY	PH	ARG	1I	Py	0.1
									PHC	1I		
447.65	449.80	2.15	GRN	MG	Argillic and phyllic altered granite with few fractures infilled with weak sulphides. Fractures are oriented 15° to 20° to core axis and are argillic altered. Weak blebby sphalerite occurs around fractures.							
						LT	GN				Gn	0.1
						--	GY	PH	ARG	3I	Py	1
						--	TN	FR	PHC	3I	Sp	0.5
449.80	482.00	32.20	GRN	MG	same as 378.62m to 395.00m.							
						--	GY	PH	ARG	1I	Py	0.1
									PHC	1I		

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M389896	12-046	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389966	12-049	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389952	12-049	Core	PL1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389948	12-049	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389940	12-047	Core	PL1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389929	12-047	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389919	12-047	Core	ME8	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389913	12-047	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389805	12-040	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389899	12-046	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389888	12-046	Core	PL1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389864	12-044	Core	ME8	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389857	12-044	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389848	12-044	Core	PL1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389842	12-044	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389827	12-040	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389824	12-040	Core	ME8	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389812	12-040	Core	PL1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389906	12-046	Core	ME8	☐	☐	☐
2.00	5.00	3.00	GRN	2.94	98	M389801	12-040	Core		☐	☐	☐
5.00	6.80	1.80	GRN	1.80	100	M389802	12-040	Core		☐	☐	☐
6.80	9.15	2.35	GRN	2.35	100	M389803	12-040	Core		☐	☐	☐
9.15	11.00	1.85	GRN	1.85	100	M389804	12-040	Core		☐	☐	☐
11.00	14.00	3.00	GRN	2.82	94	M389806	12-040	Core		☐	☐	☐
14.00	17.00	3.00	GRN	2.95	98	M389807	12-040	Core		☐	☐	☐
17.00	20.00	3.00	GRN	2.15	72	M389808	12-040	Core		☐	☐	☐
20.00	23.00	3.00	GRN	3.00	100	M389809	12-040	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
50.00	51.07	1.07	GRN	1.07	100	M389810	12-040	Core		☐	☐	☐
51.07	53.00	1.93	GRN	1.93	100	M389811	12-040	Core		☐	☐	☐
53.00	56.00	3.00	GRN	2.96	99	M389813	12-040	Core		☐	☐	☐
56.00	57.10	1.10	GRN	0.94	85	M389814	12-040	Core		☐	☐	☐
57.10	59.00	1.90	GRN	1.63	86	M389815	12-040	Core		☐	☐	☐
59.00	62.00	3.00	GRN	2.86	95	M389816	12-040	Core		☐	☐	☐
59.00	62.00	3.00	GRN	2.86	95	M389817	12-040	Core		☐	☐	☑
62.00	64.00	2.00	GRN	2.00	100	M389818	12-040	Core		☐	☐	☐
64.00	66.15	2.15	GRN	1.15	53	M389819	12-040	Core		☐	☐	☐
66.15	68.00	1.85	GRN	1.85	100	M389820	12-040	Core		☐	☐	☐
68.00	71.00	3.00	GRN	3.00	100	M389821	12-040	Core		☐	☐	☐
71.00	74.00	3.00	GRN	2.99	100	M389822	12-040	Core		☐	☐	☐
74.00	75.90	1.90	GRN	1.66	87	M389823	12-040	Core		☐	☐	☐
75.90	78.75	2.85	GRN	2.24	79	M389825	12-040	Core		☐	☐	☐
78.75	81.25	2.50	GRN	2.11	84	M389826	12-040	Core		☐	☐	☐
96.00	98.00	2.00	GRN	1.89	95	M389828	12-040	Core		☐	☐	☐
110.50	112.00	1.50	GRN	1.50	100	M389829	12-040	Core		☐	☐	☐
112.00	113.40	1.40	GRN	1.38	99	M389830	12-040	Core		☐	☐	☐
112.00	113.40	1.40	GRN	1.38	99	M389831	12-040	Core		☐	☑	☐
113.40	114.00	0.60	GRN	0.58	97	M389832	12-040	Core		☐	☐	☐
114.00	115.60	1.60	GRN	1.54	96	M389833	12-040	Core		☐	☐	☐
115.60	116.72	1.12	GRN	1.04	93	M389834	12-040	Core		☐	☐	☐
116.72	117.85	1.13	GRN	1.04	92	M389835	12-040	Core		☐	☐	☐
117.85	118.15	0.30	GRN	0.28	93	M389836	12-040	Core		☐	☐	☐
118.15	119.60	1.45	GRN	1.43	99	M389837	12-044	Core		☐	☐	☐
119.60	121.00	1.40	GRN	1.39	99	M389838	12-044	Core		☐	☐	☐
133.00	134.65	1.65	GRN	1.46	88	M389839	12-044	Core		☐	☐	☐
134.65	137.35	2.70	GRN	2.21	82	M389840	12-044	Core		☐	☐	☐
137.35	137.65	0.30	GRN	0.29	97	M389841	12-044	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
137.65	139.00	1.35	GRN	1.29	96	M389843	12-044	Core		☐	☐	☐
139.00	141.00	2.00	GRN	1.93	97	M389844	12-044	Core		☐	☐	☐
215.00	218.00	3.00	GRN	3.00	100	M389845	12-044	Core		☐	☐	☐
218.00	221.00	3.00	GRN	3.00	100	M389846	12-044	Core		☐	☐	☐
221.00	224.00	3.00	GRN	3.00	100	M389847	12-044	Core		☐	☐	☐
224.00	227.00	3.00	GRN	3.00	100	M389849	12-044	Core	ME8	☐	☐	☐
227.00	230.00	3.00	GRN	2.94	98	M389850	12-044	Core		☐	☐	☐
248.00	249.65	1.65	GRN	1.65	100	M389851	12-044	Core		☐	☐	☐
248.00	249.65	1.65	GRN	1.65	100	M389852	12-044	Core		☐	☑	☐
249.65	250.20	0.55	GRN	0.55	100	M389853	12-044	Core		☐	☐	☐
250.20	252.10	1.90	GRN	1.86	98	M389854	12-044	Core		☐	☐	☐
252.10	253.40	1.30	GRN	1.20	92	M389855	12-044	Core		☐	☐	☐
253.40	253.90	0.50	GRN	0.47	94	M389856	12-044	Core		☐	☐	☐
253.90	255.60	1.70	GRN	1.69	99	M389858	12-044	Core		☐	☐	☐
255.60	257.00	1.40	GRN	1.31	94	M389859	12-044	Core		☐	☐	☐
257.00	260.00	3.00	GRN	3.00	100	M389860	12-044	Core		☐	☐	☐
260.00	262.50	2.50	GRN	2.43	97	M389861	12-044	Core		☐	☐	☐
262.50	263.70	1.20	GRN	1.20	100	M389862	12-044	Core		☐	☐	☐
263.70	264.20	0.50	GRN	0.48	96	M389863	12-044	Core		☐	☐	☐
264.20	266.40	2.20	GRN	2.20	100	M389865	12-044	Core		☐	☐	☐
266.40	269.00	2.60	GRN	2.60	100	M389866	12-044	Core		☐	☐	☐
269.00	272.00	3.00	GRN	2.98	99	M389867	12-044	Core		☐	☐	☐
272.00	275.00	3.00	GRN	3.00	100	M389868	12-044	Core		☐	☐	☐
275.00	278.00	3.00	GRN	3.00	100	M389869	12-044	Core		☐	☐	☐
278.00	281.00	3.00	GRN	3.00	100	M389870	12-044	Core		☐	☐	☐
278.00	281.00	3.00	GRN	3.00	100	M389871	12-044	Core		☐	☐	☑
281.00	284.00	3.00	GRN	3.00	100	M389872	12-044	Core		☐	☐	☐
284.00	287.00	3.00	GRN	2.97	99	M389873	12-046	Core		☐	☐	☐
287.00	289.00	2.00	GRN	2.00	100	M389874	12-046	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
289.00	291.00	2.00	GRN	2.00	100	M389875	12-046	Core		☐	☐	☐
291.00	293.00	2.00	GRN	2.00	100	M389876	12-046	Core		☐	☐	☐
291.00	293.00	2.00	GRN	2.00	100	M389877	12-046	Core		☐	☐	☑
293.00	295.00	2.00	GRN	2.00	100	M389878	12-046	Core		☐	☐	☐
295.00	296.00	1.00	GRN	1.00	100	M389879	12-046	Core		☐	☐	☐
295.00	296.00	1.00	GRN	1.00	100	M389880	12-046	Core		☐	☑	☐
296.00	298.00	2.00	GRN	1.91	96	M389881	12-046	Core		☐	☐	☐
298.00	300.00	2.00	GRN	1.89	95	M389882	12-046	Core		☐	☐	☐
300.00	301.00	1.00	GRN	0.94	94	M389883	12-046	Core		☐	☐	☐
301.00	302.00	1.00	GRN	0.94	94	M389884	12-046	Core		☐	☐	☐
302.00	303.50	1.50	GRN	1.48	99	M389885	12-046	Core		☐	☐	☐
303.50	304.00	0.50	GRN	0.43	86	M389886	12-046	Core		☐	☐	☐
304.00	304.75	0.75	GRN	0.74	99	M389887	12-046	Core		☐	☐	☐
304.75	306.20	1.45	GRN	1.43	99	M389889	12-046	Core		☐	☐	☐
306.20	308.20	2.00	GRN	2.00	100	M389890	12-046	Core		☐	☐	☐
308.20	311.00	2.80	GRN	2.57	92	M389891	12-046	Core		☐	☐	☐
311.00	314.00	3.00	GRN	2.73	91	M389892	12-046	Core		☐	☐	☐
314.00	317.00	3.00	GRN	2.88	96	M389893	12-046	Core		☐	☐	☐
317.00	318.00	1.00	GRN	0.99	99	M389894	12-046	Core		☐	☐	☐
318.00	318.80	0.80	GRN	0.80	100	M389895	12-046	Core		☐	☐	☐
318.80	320.20	1.40	GRN	1.37	98	M389897	12-046	Core		☐	☐	☐
320.20	321.65	1.45	GRN	1.45	100	M389898	12-046	Core		☐	☐	☐
321.65	322.85	1.20	GRN	1.20	100	M389900	12-046	Core		☐	☐	☐
322.85	324.80	1.95	GRN	1.95	100	M389901	12-046	Core		☐	☐	☐
324.80	326.00	1.20	GRN	1.20	100	M389902	12-046	Core		☐	☐	☐
326.00	327.50	1.50	GRN	1.48	99	M389903	12-046	Core		☐	☐	☐
327.50	329.00	1.50	GRN	1.46	97	M389904	12-046	Core		☐	☐	☐
329.00	330.50	1.50	GRN	1.49	99	M389905	12-046	Core		☐	☐	☐
330.50	332.00	1.50	GRN	1.50	100	M389907	12-046	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
332.00	335.00	3.00	GRN	2.95	98	M389908	12-046	Core		☐	☐	☐
335.00	338.00	3.00	GRN	2.84	95	M389909	12-047	Core		☐	☐	☐
338.00	340.00	2.00	GRN	2.00	100	M389910	12-047	Core		☐	☐	☐
340.00	341.40	1.40	GRN	1.40	100	M389911	12-047	Core		☐	☐	☐
341.40	342.15	0.75	GRN	0.72	96	M389912	12-047	Core		☐	☐	☐
342.15	344.00	1.85	GRN	1.81	98	M389914	12-047	Core		☐	☐	☐
344.00	347.00	3.00	GRN	2.95	98	M389915	12-047	Core		☐	☐	☐
347.00	350.00	3.00	GRN	2.98	99	M389916	12-047	Core		☐	☐	☐
350.00	352.00	2.00	GRN	2.00	100	M389917	12-047	Core		☐	☐	☐
352.00	353.00	1.00	GRN	1.00	100	M389918	12-047	Core		☐	☐	☐
353.00	356.00	3.00	GRN	3.00	100	M389920	12-047	Core		☐	☐	☐
356.00	359.00	3.00	GRN	2.80	93	M389921	12-047	Core		☐	☐	☐
359.00	362.00	3.00	GRN	2.98	99	M389922	12-047	Core		☐	☐	☐
362.00	365.00	3.00	GRN	3.00	100	M389923	12-047	Core		☐	☐	☐
365.00	368.00	3.00	GRN	3.00	100	M389924	12-047	Core		☐	☐	☐
368.00	369.00	1.00	GRN	0.99	99	M389925	12-047	Core		☐	☐	☐
368.00	369.00	1.00	GRN	0.99	99	M389926	12-047	Core		☐	☑	☐
369.00	370.00	1.00	GRN	0.98	98	M389927	12-047	Core		☐	☐	☐
370.00	371.00	1.00	GRN	0.99	99	M389928	12-047	Core		☐	☐	☐
389.00	390.50	1.50	GRN	1.50	100	M389930	12-047	Core		☐	☐	☐
390.50	392.00	1.50	GRN	1.50	100	M389931	12-047	Core		☐	☐	☐
392.00	392.50	0.50	GRN	0.50	100	M389932	12-047	Core		☐	☐	☐
392.00	392.50	0.50	GRN	0.50	100	M389933	12-047	Core		☐	☐	☑
392.50	394.00	1.50	GRN	1.47	98	M389934	12-047	Core		☐	☐	☐
394.00	395.00	1.00	GRN	0.98	98	M389935	12-047	Core		☐	☐	☐
395.00	396.00	1.00	GRN	0.97	97	M389936	12-047	Core		☐	☐	☐
396.00	398.00	2.00	GRN	1.95	98	M389937	12-047	Core		☐	☐	☐
398.00	399.00	1.00	GRN	0.61	61	M389938	12-047	Core		☐	☐	☐
399.00	399.90	0.90	GRN	0.89	99	M389939	12-047	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
399.90	401.00	1.10	GRN	1.10	100	M389941	12-047	Core		☐	☐	☐
401.00	402.50	1.50	GRN	1.50	100	M389942	12-047	Core		☐	☐	☐
402.50	404.00	1.50	GRN	1.48	99	M389943	12-047	Core		☐	☐	☐
404.00	407.00	3.00	GRN	3.00	100	M389944	12-049	Core		☐	☐	☐
407.00	409.00	2.00	GRN	2.00	100	M389945	12-049	Core		☐	☐	☐
409.00	410.50	1.50	GRN	1.50	100	M389946	12-049	Core		☐	☐	☐
410.50	411.80	1.30	GRN	1.29	99	M389947	12-049	Core		☐	☐	☐
411.80	413.00	1.20	GRN	1.14	95	M389949	12-049	Core		☐	☐	☐
446.00	447.50	1.50	GRN	1.49	99	M389950	12-049	Core		☐	☐	☐
447.50	449.00	1.50	GRN	1.50	100	M389951	12-049	Core		☐	☐	☐
449.00	450.50	1.50	GRN	1.49	99	M389953	12-049	Core		☐	☐	☐
450.50	452.00	1.50	GRN	1.50	100	M389954	12-049	Core		☐	☐	☐
452.00	455.00	3.00	GRN	2.90	97	M389955	12-049	Core		☐	☐	☐
455.00	456.50	1.50	GRN	1.50	100	M389956	12-049	Core		☐	☐	☐
456.50	458.00	1.50	GRN	1.50	100	M389957	12-049	Core		☐	☐	☐
458.00	461.00	3.00	GRN	2.99	100	M389958	12-049	Core		☐	☐	☐
461.00	464.00	3.00	GRN	3.00	100	M389959	12-049	Core		☐	☐	☐
464.00	467.00	3.00	GRN	2.93	98	M389960	12-049	Core		☐	☐	☐
467.00	468.50	1.50	GRN	1.49	99	M389961	12-049	Core		☐	☐	☐
468.50	469.00	0.50	GRN	0.50	100	M389962	12-049	Core		☐	☐	☐
469.00	470.00	1.00	GRN	0.99	99	M389963	12-049	Core		☐	☐	☐
470.00	473.00	3.00	GRN	3.00	100	M389964	12-049	Core		☐	☐	☐
473.00	476.00	3.00	GRN	2.97	99	M389965	12-049	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.75	1.75	0	0	0.00	0	--	--	--	casing, no recovery
1.75	2.00	0.25	0.25	100	0.00	0	0R	4H	2W	
2.00	5.00	3.00	2.94	98	2.20	73	0R	4H	2W	
5.00	8.00	3.00	3	100	1.47	49	0R	3H	4W	
8.00	11.00	3.00	3	100	1.15	38	0R	3H	4W	
11.00	14.00	3.00	2.82	94	1.73	58	0R	2H	4W	
14.00	17.00	3.00	2.95	98	2.29	76	0R	3H	4W	
17.00	20.00	3.00	2.15	72	1.02	34	0R	3H	3W	
20.00	23.00	3.00	3	100	1.90	63	0R	3H	2W	
23.00	26.00	3.00	3	100	2.81	94	0R	4H	1W	
26.00	29.00	3.00	2.91	97	2.91	97	0R	4H	1W	
29.00	32.00	3.00	3	100	2.75	92	0R	4H	1W	
32.00	35.00	3.00	2.93	98	2.77	92	0R	4H	1W	
35.00	38.00	3.00	3	100	2.93	98	0R	4H	1W	
38.00	41.00	3.00	3	100	2.91	97	0R	4H	1W	
41.00	44.00	3.00	2.96	99	2.96	99	0R	4H	1W	
44.00	47.00	3.00	2.96	99	2.89	96	0R	4H	1W	
47.00	50.00	3.00	3	100	2.91	97	0R	4H	1W	
50.00	53.00	3.00	3	100	2.31	77	0R	3H	3W	
53.00	56.00	3.00	2.96	99	2.75	92	0R	4H	2W	
56.00	59.00	3.00	2.57	86	1.91	64	0R	3H	3W	
59.00	62.00	3.00	2.86	95	2.01	67	0R	4H	2W	
62.00	65.00	3.00	3	100	1.90	63	0R	3H	3W	
65.00	68.00	3.00	3	100	2.00	67	0R	3H	3W	
68.00	71.00	3.00	3	100	2.86	95	0R	4H	2W	
71.00	74.00	3.00	2.99	100	2.63	88	0R	4H	2W	
74.00	77.00	3.00	2.62	87	1.95	65	0R	4H	2W	
77.00	80.00	3.00	2.19	73	1.18	39	0R	5H	3W	
80.00	83.00	3.00	2.87	96	1.70	57	0R	3H	4W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
83.00	86.00	3.00	2.99	100	2.88	96	0R	4H	2W	
86.00	89.00	3.00	3	100	2.89	96	0R	4H	2W	
89.00	92.00	3.00	3	100	3.00	100	0R	5H	2W	
92.00	95.00	3.00	2	67	2.54	85	0R	4H	2W	
95.00	98.00	3.00	2.83	94	1.55	52	0R	3H	3W	
98.00	101.00	3.00	3	100	2.84	95	0R	4H	2W	
101.00	104.00	3.00	3	100	3.00	100	0R	4H	1W	
104.00	107.00	3.00	2.96	99	2.89	96	0R	4H	1W	
107.00	110.00	3.00	3	100	3.00	100	0R	4H	1W	
110.00	113.00	3.00	2.99	100	2.88	96	0R	4H	1W	
113.00	116.00	3.00	2.88	96	2.11	70	0R	4H	1W	
116.00	119.00	3.00	2.77	92	1.49	50	0R	4H	1W	
119.00	122.00	3.00	2.98	99	2.15	72	0R	4H	1W	
122.00	125.00	3.00	2.98	99	2.43	81	0R	4H	1W	
125.00	128.00	3.00	3	100	2.85	95	0R	3H	1W	
128.00	131.00	3.00	3	100	0.70	23	0R	2H	1W	
131.00	134.00	3.00	2.83	94	2.12	71	0R	3H	1W	
134.00	137.00	3.00	2.4	80	0.88	29	0R	3H	1W	
137.00	140.00	3.00	2.86	95	1.83	61	0R	4H	1W	
140.00	143.00	3.00	2.93	98	2.40	80	0R	4H	1W	
143.00	146.00	3.00	3	100	2.62	87	0R	4H	1W	
146.00	149.00	3.00	2.98	99	2.32	77	0R	4H	1W	
149.00	152.00	3.00	2.87	96	2.08	69	0R	4H	1W	
152.00	155.00	3.00	3	100	1.64	55	0R	3H	1W	
155.00	158.00	3.00	3	100	2.24	75	0R	4H	1W	
158.00	161.00	3.00	3	100	1.98	66	0R	3H	1W	
161.00	164.00	3.00	2.99	100	2.99	100	0R	4H	1W	
164.00	167.00	3.00	3	100	3.00	100	0R	4H	1W	
167.00	170.00	3.00	2.97	99	2.92	97	0R	4H	1W	
170.00	173.00	3.00	2.98	99	2.73	91	0R	4H	1W	
173.00	176.00	3.00	3	100	2.69	90	0R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
176.00	179.00	3.00	2.98	99	2.77	92	0R	4H	1W	
179.00	182.00	3.00	2.92	97	2.76	92	0R	4H	1W	
182.00	185.00	3.00	3	100	2.93	98	0R	4H	1W	
185.00	188.00	3.00	3	100	2.91	97	0R	4H	1W	
188.00	191.00	3.00	2.91	97	2.91	97	0R	4H	1W	
191.00	194.00	3.00	3	100	3.00	100	0R	4H	1W	
194.00	197.00	3.00	3	100	2.95	98	0R	4H	1W	
197.00	200.00	3.00	3	100	3.00	100	0R	4H	1W	
200.00	203.00	3.00	3	100	2.95	98	0R	4H	1W	
203.00	206.00	3.00	2.85	95	2.70	90	0R	4H	1W	
206.00	209.00	3.00	3	100	3.00	100	0R	4H	1W	
209.00	212.00	3.00	3	100	3.00	100	0R	4H	1W	
212.00	215.00	3.00	2.99	100	2.99	100	0R	4H	1W	
215.00	218.00	3.00	3	100	2.90	97	0R	4H	1W	
218.00	221.00	3.00	3	100	2.72	91	0R	3H	1W	
221.00	224.00	3.00	3	100	2.70	90	0R	3H	1W	
224.00	227.00	3.00	3	100	3.00	100	0R	4H	1W	
227.00	230.00	3.00	2.94	98	2.94	98	0R	4H	1W	
230.00	233.00	3.00	3	100	3.00	100	0R	4H	1W	
233.00	236.00	3.00	2.97	99	2.97	99	0R	4H	1W	
236.00	239.00	3.00	3	100	2.74	91	0R	4H	1W	
239.00	242.00	3.00	2.98	99	2.98	99	0R	4H	1W	
242.00	245.00	3.00	3	100	3.00	100	0R	4H	1W	
245.00	248.00	3.00	3	100	2.87	96	0R	4H	1W	
248.00	251.00	3.00	3	100	2.85	95	0R	4H	1W	
251.00	254.00	3.00	2.96	99	2.80	93	0R	4H	1W	
254.00	257.00	3.00	2.93	98	2.32	77	0R	3H	1W	
257.00	260.00	3.00	3	100	3.00	100	0R	4H	1W	
260.00	263.00	3.00	2.96	99	2.58	86	0R	4H	1W	
263.00	266.00	3.00	3	100	2.46	82	0R	4H	1W	
266.00	269.00	3.00	2.97	99	1.45	48	0R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
269.00	272.00	3.00	2.98	99	2.73	91	0R	4H	1W	
272.00	275.00	3.00	3	100	2.95	98	0R	4H	1W	
275.00	278.00	3.00	3	100	2.20	73	0R	3H	1W	
278.00	281.00	3.00	3	100	2.23	74	0R	4H	1W	
281.00	284.00	3.00	3	100	3.00	100	0R	4H	1W	
284.00	287.00	3.00	2.97	99	2.97	99	0R	4H	1W	
287.00	290.00	3.00	3	100	2.54	85	0R	4H	1W	
290.00	293.00	3.00	3	100	2.90	97	0R	4H	1W	
293.00	296.00	3.00	3	100	2.97	99	0R	4H	1W	
296.00	299.00	3.00	2.86	95	2.10	70	0R	4H	1W	
299.00	302.00	3.00	2.83	94	1.48	49	0R	4H	1W	
302.00	305.00	3.00	2.95	98	2.95	98	0R	4H	1W	
305.00	308.00	3.00	3	100	3.00	100	0R	4H	1W	
308.00	311.00	3.00	2.75	92	2.29	76	0R	4H	1W	
311.00	314.00	3.00	2.73	91	1.64	55	0R	4H	1W	
314.00	317.00	3.00	2.88	96	2.30	77	0R	4H	1W	
317.00	320.00	3.00	3	100	2.98	99	0R	4H	1W	
320.00	323.00	3.00	3	100	2.95	98	0R	4H	1W	
323.00	326.00	3.00	3	100	3.00	100	0R	4H	1W	
326.00	329.00	3.00	2.92	97	2.87	96	0R	4H	1W	
329.00	332.00	3.00	3	100	2.80	93	0R	4H	1W	
332.00	335.00	3.00	2.95	98	2.65	88	0R	4H	1W	
335.00	338.00	3.00	2.84	95	2.23	74	0R	4H	1W	
338.00	341.00	3.00	3	100	2.85	95	0R	4H	1W	
341.00	344.00	3.00	2.9	97	1.63	54	0R	4H	1W	
344.00	347.00	3.00	2.95	98	2.30	77	0R	3H	1W	
347.00	350.00	3.00	2.98	99	2.00	67	0R	3H	1W	
350.00	353.00	3.00	3	100	1.94	65	0R	4H	1W	
353.00	356.00	3.00	3	100	2.96	99	0R	4H	1W	
356.00	359.00	3.00	2.8	93	2.80	93	0R	4H	1W	
359.00	362.00	3.00	2.98	99	2.64	88	0R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
362.00	365.00	3.00	3	100	3.00	100	0R	4H	1W	
365.00	368.00	3.00	3	100	2.85	95	0R	4H	1W	
368.00	371.00	3.00	2.96	99	2.96	99	0R	4H	1W	
371.00	374.00	3.00	3	100	2.90	97	0R	4H	1W	
374.00	377.00	3.00	3	100	3.00	100	0R	4H	1W	
377.00	380.00	3.00	3	100	3.00	100	0R	4H	1W	
380.00	383.00	3.00	3	100	2.95	98	0R	4H	1W	
383.00	386.00	3.00	3	100	3.00	100	0R	4H	1W	
386.00	389.00	3.00	2.98	99	2.98	99	0R	4H	1W	
389.00	392.00	3.00	3	100	3.00	100	0R	4H	1W	
392.00	395.00	3.00	2.9	97	2.83	94	0R	4H	1W	
395.00	398.00	3.00	2.92	97	2.59	86	0R	3H	1W	
398.00	401.00	3.00	2.6	87	1.36	45	0R	3H	1W	
401.00	404.00	3.00	2.93	98	2.68	89	0R	4H	1W	
404.00	407.00	3.00	3	100	2.09	70	0R	4H	1W	
407.00	410.00	3.00	3	100	3.00	100	0R	4H	1W	
410.00	413.00	3.00	2.93	98	2.38	79	0R	3H	1W	
413.00	416.00	3.00	3	100	2.59	86	0R	4H	1W	
416.00	419.00	3.00	3	100	2.85	95	0R	4H	1W	
419.00	422.00	3.00	2.92	97	2.39	80	0R	4H	1W	
422.00	425.00	3.00	3	100	3.00	100	0R	4H	1W	
425.00	428.00	3.00	2.95	98	2.90	97	0R	4H	1W	
428.00	431.00	3.00	2.91	97	2.91	97	0R	4H	1W	
431.00	434.00	3.00	3	100	3.00	100	0R	4H	1W	
434.00	437.00	3.00	2.94	98	2.85	95	0R	4H	1W	
437.00	440.00	3.00	3	100	3.00	100	0R	4H	1W	
440.00	443.00	3.00	2.96	99	2.96	99	0R	4H	1W	
443.00	446.00	3.00	2.97	99	2.97	99	0R	4H	1W	
446.00	449.00	3.00	3	100	2.94	98	0R	4H	1W	
449.00	452.00	3.00	2.97	99	2.72	91	0R	4H	1W	
452.00	455.00	3.00	2.9	97	2.90	97	0R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
455.00	458.00	3.00	2.96	99	2.92	97	0R	4H	1W	
458.00	461.00	3.00	2.99	100	2.82	94	0R	4H	1W	
461.00	464.00	3.00	3	100	3.00	100	0R	4H	1W	
464.00	467.00	3.00	2.93	98	2.93	98	0R	4H	1W	
467.00	470.00	3.00	2.97	99	2.97	99	0R	4H	1W	
470.00	473.00	3.00	3	100	2.94	98	0R	4H	1W	
473.00	476.00	3.00	2.97	99	2.91	97	0R	4H	1W	
476.00	479.00	3.00	2.96	99	2.96	99	0R	4H	1W	
479.00	482.00	3.00	2.94	98	2.94	98	0R	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	-?-	casing
2	0.45	GRN	
3	0.23	GRN	
4	0.21	GRN	
5	0.17	GRN	
6	0.21	GRN	
7	0.21	GRN	
8	0.45	GRN	
9	0.09	GRN	
10	0.12	GRN	
11	0.08	GRN	
12	0.33	GRN	
13	0.4	GRN	
14	0.12	GRN	
15	0.05	GRN	
16	0.09	GRN	
17	0.26	GRN	
18	0.2	GRN	
19	0.25	GRN	
20	0.14	GRN	
21	0.35	GRN	
22	0.15	GRN	
23	0.43	GRN	
24	0.22	GRN	
25	0.32	GRN	
26	0.16	GRN	
27	0.16	GRN	
28	0.14	GRN	
29	0.21	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
30	0.17	GRN	
31	0.34	GRN	
32	0.18	GRN	
33	0.15	GRN	
34	0.11	GRN	
35	0.22	GRN	
36	0.26	GRN	
37	0.48	GRN	
38	0.15	GRN	
39	0.14	GRN	
40	0.14	GRN	
41	0.3	GRN	
42	0.12	GRN	
43	0.14	GRN	
44	0.13	GRN	
45	0.16	GRN	
46	0.45	GRN	
47	0.12	GRN	
48	0.19	GRN	
49	0.42	GRN	
50	0.14	GRN	
51	0.15	GRN	
52	0.15	GRN	
53	0.35	GRN	
54	0.33	GRN	
55	0.18	GRN	
56	0.3	GRN	
57	0.22	GRN	
58	0.1	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	0.15	GRN	
60	0.36	GRN	
61	0.12	GRN	
62	0.16	GRN	
63	0.35	GRN	
64	0.14	GRN	
65	0.11	GRN	
66	0.16	GRN	
67	0.22	GRN	
68	0.3	GRN	
69	0.41	GRN	
70	0.24	GRN	
71	0.13	GRN	
72	0.2	GRN	
73	0.13	GRN	
74	0.26	GRN	
75	0.24	GRN	
76	0.14	GRN	
77	0.15	GRN	
78	0.15	GRN	
79	0.05	GRN	
80	0.03	GRN	
81	0.74	GRN	
82	0.26	GRN	
83	0.21	GRN	
84	0.22	GRN	
85	0.16	GRN	
86	0.18	GRN	
87	0.12	GRN	
88	0.16	GRN	
89	0.13	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
90	0.11	GRN	
91	0.19	GRN	
92	0.18	GRN	
93	0.2	GRN	
94	0.28	GRN	
95	0.18	GRN	
96	0.3	GRN	
97	0.12	GRN	
98	0.21	GRN	
99	0.19	GRN	
100	0.13	GRN	
101	0.33	GRN	
102	0.34	GRN	
103	0.36	GRN	
104	0.22	GRN	
105	0.18	GRN	
106	0.22	GRN	
107	0.15	GRN	
108	0.14	GRN	
109	0.15	GRN	
110	0.18	GRN	
111	0.16	GRN	
112	0.15	GRN	
113	0.3	GRN	
114	0.18	GRN	
115	0.15	GRN	
116	0.18	GRN	
117	0.23	GRN	
118	0.21	GRN	
119	0.2	GRN	
120	0.14	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
121	0.16	GRN	
122	0.19	GRN	
123	0.23	GRN	
124	0.19	GRN	
125	0.18	GRN	
126	0.18	GRN	
127	0.21	GRN	
128	0.12	GRN	
129	0.14	GRN	
130	0	GRN	Rubble
131	0.77	GRN	
132	0.06	GRN	
133	0.15	GRN	
134	0.18	GRN	
135	0.14	GRN	
136	0.14	GRN	
137	0.2	GRN	
138	0.16	GRN	
139	0.18	GRN	
140	0.25	GRN	
141	0.12	GRN	
142	0.12	GRN	
143	0.4	GRN	
144	0.25	GRN	
145	0.24	GRN	
146	0.3	GRN	
147	0.18	GRN	
148	0.13	GRN	
149	0.13	GRN	
150	0.21	GRN	
151	0.24	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
152	0.29	GRN	
153	0.15	GRN	
154	0.15	GRN	
155	0.24	GRN	
156	0.18	GRN	
157	0.23	GRN	
158	0.12	GRN	
159	0.13	GRN	
160	0.1	GRN	
161	0.17	GRN	
162	0.23	GRN	
163	0.15	GRN	
164	0.16	GRN	
165	0.17	GRN	
166	0.14	GRN	
167	0.34	GRN	
168	0.3	GRN	
169	0.25	GRN	
170	0.17	GRN	
171	0.19	GRN	
172	0.32	GRN	
173	0.22	GRN	
174	0.17	GRN	
175	0.16	GRN	
176	0.17	GRN	
177	0.21	GRN	
178	0.17	GRN	
179	0.12	GRN	
180	0.19	GRN	
181	0.16	GRN	
182	0.14	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
183	0.13	GRN	
184	0.18	GRN	
185	0.18	GRN	
186	0.23	GRN	
187	0.22	GRN	
188	0.17	GRN	
189	0.2	GRN	
190	0.11	GRN	
191	0.17	GRN	
192	0.13	GRN	
193	0.16	GRN	
194	0.17	GRN	
195	0.21	GRN	
196	0.21	GRN	
197	0.2	GRN	
198	0.21	GRN	
199	0.17	GRN	
200	0.18	GRN	
201	0.16	GRN	
202	0.2	GRN	
203	0.26	GRN	
204	0.21	GRN	
205	0.18	GRN	
206	0.17	GRN	
207	0.18	GRN	
208	0.16	GRN	
209	0.17	GRN	
210	0.2	GRN	
211	0.15	GRN	
212	0.17	GRN	
213	0.18	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
214	0.05	GRN	
215	0.17	GRN	
216	0.18	GRN	
218	0.68	GRN	
219	0.04	GRN	
220	0.12	GRN	
221	0.14	GRN	
222	0.21	GRN	
223	0.28	GRN	
224	0.13	GRN	
225	0.2	GRN	
226	0.19	GRN	
227	0.05	GRN	
228	0.11	GRN	
229	0.23	GRN	
230	0.15	GRN	
231	0.17	GRN	
232	0.2	GRN	
233	0.17	GRN	
234	0.13	GRN	
235	0.24	GRN	
236	0.1	GRN	
237	0.23	GRN	
238	0.2	GRN	
239	0.2	GRN	
240	0.29	GRN	
241	0.23	GRN	
242	0.24	GRN	
243	0.55	GRN	
244	0.27	GRN	
245	0.34	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
246	0.41	GRN	
247	0.29	GRN	
248	0.27	GRN	
249	0.14	GRN	
250	0.29	GRN	
251	0.47	GRN	
252	0.2	GRN	
253	0.06	GRN	
254	0.05	GRN	
255	0.17	GRN	
256	0.06	GRN	
257	0.09	GRN	
258	0.47	GRN	
259	0.06	GRN	
260	0.04	GRN	
261	0.28	GRN	
262	0.27	GRN	
263	0.05	GRN	
264	0.01	GRN	
265	0.22	GRN	
266	0.14	GRN	
267	0.19	GRN	
268	0.2	GRN	
269	0.22	GRN	
270	0.15	GRN	
271	0.15	GRN	
272	0.16	GRN	
273	0.23	GRN	
274	0.27	GRN	
275	0.47	GRN	
276	0.26	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
277	0.21	GRN	
278	0.16	GRN	
279	0.12	GRN	
280	0.15	GRN	
281	0.16	GRN	
282	0.44	GRN	
283	0.16	GRN	
284	0.14	GRN	
285	0.31	GRN	
286	0.17	GRN	
287	0.17	GRN	
288	0.1	GRN	
289	0.03	GRN	
290	0.28	GRN	
291	0.18	GRN	
292	0.23	GRN	
293	0.2	GRN	
294	0.16	GRN	
295	0.08	GRN	
296	0.22	GRN	
297	0.27	GRN	
298	0.06	GRN	
299	0.37	GRN	
300	0.25	GRN	
301	0.13	GRN	
302	0.09	GRN	
303	0.85	GRN	
304	0.11	GRN	
305	0.04	GRN	
306	0.06	GRN	
307	0.16	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
308	0.82	GRN	Mineralized
309	0.2	GRN	
310	0.22	GRN	
311	0	GRN	Rubble
312	0.18	GRN	
313	0.16	GRN	
314	0.25	GRN	
315	0.06	GRN	
316	0.06	GRN	
317	0.07	GRN	
318	0.03	GRN	
319	0.05	GRN	
320	0.02	GRN	
321	1.08	GRN	Mineralized
322	0.1	GRN	
323	0.03	GRN	
324	0.16	GRN	
325	0.11	GRN	
326	0.23	GRN	
327	0.15	GRN	
328	0.013	GRN	
329	0.165	GRN	
330	0.028	GRN	
331	0.208	GRN	
332	0.164	GRN	
333	0.122	GRN	
334	0.026	GRN	
335	0.164	GRN	
336	0.016	GRN	
337	0.169	GRN	
338	0.149	GRN	
339	0.019	GRN	
340	0.165	GRN	
341	0.077	GRN	
342	0	GRN	Rubble
343	0.149	GRN	
344	0.032	GRN	
345	0.14	GRN	
346	0.15	GRN	
347	0.123	GRN	
348	0.188	GRN	
349	0.154	GRN	
350	0.173	GRN	
351	0.073	GRN	
352	0.057	GRN	
353	0.155	GRN	
354	0.137	GRN	
355	0.208	GRN	
356	0.192	GRN	
357	0.156	GRN	
358	0.125	GRN	
359	0.192	GRN	
360	0.125	GRN	
361	0.102	GRN	
362	0.71	GRN	
363	0.183	GRN	
364	0.588	GRN	
365	0.193	GRN	
366	0.197	GRN	
367	0.429	GRN	
368	0.301	GRN	
369	0.265	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
370	0.173	GRN	
371	0.164	GRN	
372	0.405	GRN	
373	0.198	GRN	
374	0.447	GRN	
375	0.097	GRN	
376	0.542	GRN	
377	0.168	GRN	
378	0.049	GRN	
379	0.78	GRN	
380	0.413	GRN	
381	0.267	GRN	
382	0.425	GRN	
383	0.471	GRN	
384	0.418	GRN	
385	0.239	GRN	
386	0.286	GRN	
387	0.294	GRN	
388	0.363	GRN	
389	0.248	GRN	
390	0.265	GRN	
391	0.221	GRN	
392	0.132	GRN	
393	0.49	GRN	
394	1.426	GRN	
395	0.163	GRN	
396	0.397	GRN	
397	0.397	GRN	
398	0.133	GRN	
399	0.157	GRN	
400	0.089	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
401	0	GRN	Rubble
402	0.214	GRN	
403	0.202	GRN	
404	0.193	GRN	
405	0.287	GRN	
406	0.414	GRN	
407	0.135	GRN	
408	0.302	GRN	
409	0.198	GRN	
410	0.565	GRN	
411	0.234	GRN	
412	0.301	GRN	
413	0.207	GRN	
414	0.619	GRN	
415	0.394	GRN	
416	0.257	GRN	
417	0.266	GRN	
418	0.474	GRN	
419	0.239	GRN	
420	0.25	GRN	
421	0.383	GRN	
422	0.215	GRN	
423	0.184	GRN	
424	0.234	GRN	
425	0.238	GRN	
426	0.413	GRN	
427	0.421	GRN	
428	0.342	GRN	
429	0.299	GRN	
430	0.394	GRN	
431	0.404	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
432	0.304	GRN	
433	0.406	GRN	
434	0.189	GRN	
435	0.116	GRN	
436	0.16	GRN	
437	0.165	GRN	
438	0.134	GRN	
439	0.213	GRN	
440	0.141	GRN	
441	0.195	GRN	
442	0.26	GRN	
443	0.091	GRN	
444	0.426	GRN	
445	0.103	GRN	
446	0.671	GRN	
447	0.435	GRN	
448	0.144	GRN	
449	0.166	GRN	
450	0.448	GRN	
451	0.195	GRN	
452	0.743	GRN	
453	0.283	GRN	
454	0.245	GRN	
455	0.518	GRN	
456	0.169	GRN	
457	0.401	GRN	
458	0.176	GRN	
459	0.42	GRN	
460	0.465	GRN	
461	0.294	GRN	
462	0.398	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
463	0.144	GRN	
464	0.376	GRN	
465	0.185	GRN	
466	0.146	GRN	
467	0.332	GRN	
468	0.137	GRN	
469	0.161	GRN	
470	0.244	GRN	
471	0.258	GRN	
472	0.075	GRN	
473	0.268	GRN	
474	0.101	GRN	
475	0.134	GRN	
476	0.388	GRN	
477	0.467	GRN	
478	0.361	GRN	
479	0.29	GRN	
480	0.113	GRN	
481	0.032	GRN	
482	0.085	GRN	

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
SNP-12-010									
	9.38	11.7	NQ	GRN	569	320	2.4	2.3	Oxidized, phyllic and argillic altered granite. Alterations spread from a few discontinuous quartz veinlets.
	17.65	11.4	NQ	GRN	581.5	347	2.5	2.5	Oxidized granite.
	44.1	10.8	NQ	GRN	563	358.5	2.6	2.8	Unaltered granite.
	63.38	10.6	NQ	GRN	551	339	2.5	2.6	Weakly oxidized granite.
	92.1	12	NQ	GRN	633	379	2.6	2.5	Unaltered granite.
	121.65	11.9	NQ	GRN	627	369	2.6	2.4	Unaltered granite
	154.1	11.4	NQ	GRN	589	363	2.5	2.6	Unaltered granite
	181.1	13.5	NQ	GRN	704	440	2.6	2.7	Weakly argillic altered granite (hosts argillic fractures)
	206.8	14.9	NQ	GRN	782.7	531.9	2.6	3.1	medium grey fresh granite
	247	14.9	NQ	GRN	789.5	517.5	2.6	2.9	Medium grey fresh granite
	276	14.9	NQ	GRN	774.8	484	2.6	2.7	Lightly bleached - light grey granite
	305	14.7	NQ	GRN	795	517	2.7	2.9	Weakly brecciated quartz vein with pyrite stringers and blebs up to 2 cm wide within strongly phyllic altered granite.
	341.1	14.8	NQ	GRN	799	499.8	2.6	2.7	< 1mm dark grey stringer within bleached (trace) granite
	374.05	14.6	NQ	GRN	780.8	488.7	2.6	2.7	Fresh granite
	407.1	14.8	NQ	GRN	792.5	461.1	2.6	2.4	Fresh Granite
	443.1	14.9	NQ	GRN	804.3	453.5	2.6	2.3	Fresh Granite
	476.05	15	NQ	GRN	799.3	491.8	2.6	2.6	Weakly bleached granite with weak foliation defined by elongated biotite crystals