Keg - Silver Range

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		598882	6915244	1586	146.91

ZONE: Cirque

SECTION:

HOLE: CRQ-12-004

CLAIM: YD118192

Contractor: Beaudoin

Drill: 2

Core Size: BTW

Casing Depth: 5.94m, Out

Drilling Dates: Aug 20 - Aug 22, 2012

Geology Logged By: H. Friday

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5.94	5.94	CAS
5.94	48.29	42.35	GRN
48.29	59.95	11.66	MNZ
59.95	114.76	54.81	GRN
114.76	118	3.24	VEN
118	123.01	5.01	GRN
123.01	146.91	23.9	MNZ

SAMPLES	
Numbers:	M389636 to M389663
Total:	32
Batch:	043
Certificates:	WH12207207

COMMENTS

Box Log

CRQ-12-004

Silver Range
Cirque Zone

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Box Number	From (m)	To (m)
1	5.94	11.66
2	11.66	17.26
3	17.26	22.82
4	22.82	28.33
5	28.33	33.63
6	33.63	39.32
7	39.32	45
8	45	50.47
9	50.47	56
10	56	61
11	61	66.61
12	66.61	72.46
13	72.46	77.8
14	77.8	82.93
15	82.93	88.68
16	88.68	94.18
17	94.18	99.36
18	99.36	104.53
19	104.53	109.64
20	109.64	115
21	115	120.48
22	120.48	125.64
23	125.64	130.91
24	130.91	136.45
25	136.45	141.6
26	141.6	146.91

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	5.94	5.94	CAS	--	Casing							
						--	--	---	---	--	--	0
5.94	19.21	13.27	GRN	MG	Medium grey phaneritic granite. Weak oxidation seen on fracture surfaces. 2 pegmetite veins seen at 6.21 - 6.59 and 7.57 - 7.52m - Both have rough contacts into granite.							
						MD	GY	PH	OXI	1I	--	0
19.21	32.08	12.87	GRN	MG	Light to medium grey to tan phaneritic granite with localized phyllic and argillic alteration. Oxidation seen enveloping select fracture surfaces. Small dark brown/grey stringers throughout surrounded by oxidation envelopes - too small to see if they are sulphide-rich.							
						MD	TN		ARG	1I		
						LT	GY	PH	PHC	2I	--	0
									OXI	2I		
32.08	48.29	16.21	GRN	MG	Medium grey phaneritic granite. Weak oxidation seen on select fracture surfaces. Very weak phyllic alteration around small 2mm quartz veinlets. Phyllic envelopes 1-2cm thick.							
						MD	GY	PH	OXI	1I	--	0
									PHC	1I		
48.29	59.95	11.66	MNZ	FG	Medium grey-green porphyritic monzonite with a very fine grained matrix - little to no quartz in matrix. Plagioclase and chlorite phenocrysts throughout. Weak oxidation seen on select fracture surfaces. Small fine grained bright pyrite blebs seen throughout the matrix. Disseminated pyrrhotite seen throughout. Strongly magnetic. Calcite replacement (?) of matrix.							
						MD	GY	PO	OXI	1I	Py	0.01
						MD	GN				Po	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
59.95	93.53	33.58	GRN	MG	Medium to light grey to green phaneritic granite. Localized moderate phyllic and weak argillic alteration throughout. Oxidation seen enveloping select fracture surfaces. Small dark brown/grey stringers throughout surrounded by oxidation envelopes - too small to see if they are sulphide rich.							
						MD	GY	PH	PHC	2I	--	0
						LT	GN		ARG	1I		
									OXI	2I		
93.53	114.76	21.23	GRN	MG	light to medium grey to green phaneritic granite with localized segments of porphyritic texture - feldspars as phenocrysts - 5mm-1cm in size. Moderate phyllic alteration throughout with localized weak argillic. Weak oxidation seen on select fracture surfaces and weak to moderate manganese oxide seen enveloping select fracture surfaces - envelope typically 1cm. Small 2-5mm thick quartz-carbonate veinlets with disseminated pyrite and sphalerite throughout. Upper contact at 55 degrees TCA.							
						MD	GN	PO	ARG	2I	Sp	0.01
						LT	GY	PH	PHC	3I	Py	0.01
									OXI	1I		
114.76	115.36	0.60	VEN	CG	Medium to dark grey semi-massive sulphide quartz vein. Entire interval rubble. Quartz is locally brecciated. Sulphides seen are galena, sphalerite, pyrite (both very fine grained dull and fine grained bright pyrite) and very small amounts of arsenopyrite. Weak oxidation on fracture surfaces.							
						MD	GY	MA	OXI	1I	Gn	2
						DK	GY				Sp	30
											Py	10
											As	0.1
115.36	118.00	2.64	GRN	MG	Light to medium grey granite with two large quartz-breccia veins at 115.76-116.46m and 117.20-118.00m. Breccia has disseminated pyrite, sphalerite and arsenopyrite throughout. Veins vuggy oxidation seen on fracture surface and vug surfaces. Quartz-carbonate veins seen in the surrounding granite. Carbonate pinkish - with euhedral pyrite in these veins. A 12cm heavily oxidized gouge zone on the lower contact.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PH	OXI	1I	Sp	2
						LT	GY	BX	SIL	5I	Py	2
											As	0.1
118.00	123.01	5.01	GRN	MG	Light to mid grey to green granite with local moderate phyllic and weak argillic alteration throughout. Weak oxidation seen on select fracture surfaces. Small 2mm - 5mm thick quartz and quartz-carbonate veinlets that host pyrite, sphalerite and arsenopyrite mineralization.							
						MD	GY		ARG	1I	Sp	0.01
						LT	GN	PH	PHC	2I	Py	0.01
									OXI	1I	As	0.01
123.01	146.91	23.90	MNZ	MG	Medium to dark grey-green phaneritic to porphyritic monzonite. Weak oxidation seen on fracture surfaces. Chlorite phenocrysts seen throughout. Small 1mm quartz and carbonate stringers throughout. Carbonate infill of matrix. Not magnetic like previous monzonite. Gradually getting lighter in colour down hole.							
						MD	GY	PH	OXI	1I	--	0
						DK	GN	PO				

CRQ-12-004

Silver Range
Cirque Zone

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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	M389644	12-043	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389654	12-043	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389663	12-043	Core	ME8	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389642	12-043	Core	ME8	☐	☐	☐
19.21	21.03	1.82	GRN	1.82	100	M389636	12-043	Core		☐	☐	☐
21.03	24.08	3.05	GRN	3.00	98	M389637	12-043	Core		☐	☐	☐
24.08	27.13	3.05	GRN	3.05	100	M389638	12-043	Core		☐	☐	☐
27.13	30.18	3.05	GRN	3.05	100	M389639	12-043	Core		☐	☐	☐
30.18	32.08	1.90	GRN	1.89	99	M389640	12-043	Core		☐	☐	☐
48.29	51.29	3.00	GRN, MNZ	3.00	100	M389661	12-043	Core		☐	☐	☐
51.29	54.29	3.00	MNZ	2.97	99	M389662	12-043	Core		☐	☐	☐
93.53	95.00	1.47	GRN	1.42	97	M389641	12-043	Core		☐	☐	☐
95.00	97.23	2.23	GRN	2.15	96	M389643	12-043	Core		☐	☐	☐
97.23	100.28	3.05	GRN	3.05	100	M389645	12-043	Core		☐	☐	☐
100.28	103.33	3.05	GRN	3.05	100	M389646	12-043	Core		☐	☐	☐
103.33	106.37	3.04	GRN	3.02	99	M389647	12-043	Core		☐	☐	☐
106.37	109.42	3.05	GRN	3.05	100	M389648	12-043	Core		☐	☐	☐
109.42	111.76	2.34	GRN	2.34	100	M389649	12-043	Core		☐	☐	☐
109.42	111.76	2.34	GRN	2.34	100	M389650	12-043	Core		☐	☑	☐
111.76	113.26	1.50	GRN	1.44	96	M389651	12-043	Core		☐	☐	☐
113.26	114.76	1.50	GRN	1.50	100	M389652	12-043	Core		☐	☐	☐
114.76	115.36	0.60	GRN, VEN	0.37	62	M389653	12-043	Core		☐	☐	☐
115.36	116.46	1.10	VEN	0.89	81	M389655	12-043	Core		☐	☐	☐
116.46	117.20	0.74	VEN	0.74	100	M389656	12-043	Core		☐	☐	☐
117.20	118.00	0.80	VEN	0.80	100	M389657	12-043	Core		☐	☐	☐
118.00	119.50	1.50	GRN, VEN	1.44	96	M389658	12-043	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
119.50	121.00	1.50	GRN	1.34	89	M389659	12-043	Core		☐	☐	☐
121.00	123.01	2.01	GRN	1.98	99	M389660	12-043	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.94	5.94	0	0	0.00	0	--	--	--	Casing, no recovery.
5.94	6.10	0.16	0.16	100	0.00	0	0R	4H	1W	
6.10	8.84	2.74	2.74	100	2.68	98	0R	4H	1W	
8.84	11.89	3.05	3.05	100	3.05	100	0R	4H	1W	
11.89	14.94	3.05	2.95	97	2.48	81	0R	4H	1W	
14.94	17.98	3.04	3.04	100	2.86	94	0R	4H	1W	
17.98	21.03	3.05	3.05	100	2.36	77	0R	4H	1W	
21.03	24.08	3.05	3	98	2.83	93	0R	4H	2W	
24.08	27.13	3.05	3.05	100	2.33	76	0R	4H	2W	
27.13	30.18	3.05	3.05	100	3.00	98	0R	3H	2W	
30.18	33.22	3.04	3.04	100	2.88	95	0R	3H	2W	
33.22	36.27	3.05	3.01	99	2.96	97	0R	4H	1W	
36.27	39.32	3.05	3.05	100	3.00	98	0R	4H	1W	
39.32	42.37	3.05	3.05	100	3.00	98	0R	4H	1W	
42.37	45.42	3.05	3.05	100	2.85	93	0R	4H	1W	
45.42	48.46	3.04	3.03	100	2.76	91	0R	4H	1W	
48.46	51.51	3.05	3.05	100	2.16	71	2R	4H	1W	
51.51	54.56	3.05	3.05	100	2.43	80	2R	4H	1W	
54.56	57.61	3.05	3.03	99	2.00	66	2R	4H	1W	
57.61	60.65	3.04	3.04	100	1.40	46	2R	4H	1W	
60.65	63.70	3.05	3.05	100	2.85	93	0R	4H	1W	
63.70	66.75	3.05	3.05	100	3.05	100	0R	4H	1W	
66.75	69.79	3.04	2.9	95	2.52	83	0R	4H	1W	
69.79	72.85	3.06	3.06	100	3.06	100	0R	4H	1W	
72.85	75.90	3.05	3.05	100	3.05	100	0R	4H	1W	
75.90	78.94	3.04	3.04	100	2.95	97	0R	4H	1W	
78.94	81.99	3.05	3.05	100	2.90	95	0R	4H	1W	
81.99	85.04	3.05	3.05	100	3.00	98	0R	4H	1W	
85.04	88.09	3.05	3.05	100	3.05	100	0R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
88.09	91.14	3.05	3.05	100	2.95	97	0R	4H	1W	
91.14	94.18	3.04	3.04	100	3.04	100	0R	4H	1W	
94.18	97.23	3.05	3.05	100	2.69	88	0R	3H	2W	
97.23	100.28	3.05	3.05	100	2.54	83	0R	3H	2W	
100.28	103.33	3.05	3.05	100	2.69	88	0R	4H	2W	
103.33	106.37	3.04	3.02	99	2.37	78	0R	3H	1W	
106.37	109.42	3.05	3.05	100	2.80	92	0R	4H	1W	
109.42	112.47	3.05	3.05	100	2.71	89	0R	4H	1W	
112.47	115.52	3.05	2.8	92	1.51	50	0R	3H	1W	
115.52	118.57	3.05	3.05	100	1.48	49	0R	4H	2W	
118.57	121.62	3.05	2.96	97	2.33	76	0R	4H	1W	
121.62	124.66	3.04	3.04	100	2.72	89	0R	4H	1W	
124.66	127.71	3.05	3.04	100	2.05	67	0R	4H	1W	
127.71	130.76	3.05	2.98	98	2.92	96	0R	4H	1W	
130.76	133.81	3.05	3	98	2.60	85	0R	4H	1W	
133.81	136.86	3.05	3.05	100	2.61	86	0R	4H	1W	
136.86	139.90	3.04	3.04	100	2.61	86	0R	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
7	0.108	GRN	
8	0.106	GRN	
9	0.015	GRN	
10	0.138	GRN	
11	0.135	GRN	
12	0.339	GRN	
13	0.118	GRN	
14	0.108	GRN	
15	0.123	GRN	
16	0.359	GRN	
17	0.116	GRN	
18	0.122	GRN	
19	0.115	GRN	
20	0.123	GRN	
21	0.348	GRN	
22	0.159	GRN	
23	0.145	GRN	
24	0.127	GRN	
25	0.007	GRN	
26	0.011	GRN	
27	0.341	GRN	
28	0.02	GRN	
29	0.125	GRN	
30	0.154	GRN	
31	0.129	GRN	
32	0.123	GRN	
33	0.116	GRN	
34	0.097	GRN	
35	0.14	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
36	0.055	GRN	
37	0.023	GRN	
38	0.112	GRN	
39	0.255	GRN	
40	0.116	GRN	
41	0.107	GRN	
42	0.059	GRN	
43	0.106	GRN	
44	0.127	GRN	
45	0.123	GRN	
46	0.122	GRN	
47	0.122	GRN	
48	0.2	GRN	
49	12.97	MNZ	
50	16.48	MNZ	
51	12.54	MNZ	
52	9	MNZ	
53	17.02	MNZ	
54	9.68	MNZ	
55	0.754	MNZ	
56	0.759	MNZ	
57	23	MNZ	
58	11.42	MNZ	
59	8.02	MNZ	
60	0.235	GRN	
61	0.058	GRN	
62	0.161	GRN	
63	0.152	GRN	
64	0.141	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
65	0.141	GRN	
66	0.226	GRN	
67	0.127	GRN	
68	0.133	GRN	
69	0.378	GRN	
70	0.125	GRN	
71	0.116	GRN	
72	0.046	GRN	
73	0.13	GRN	
74	0.021	GRN	
75	0.271	GRN	
76	0.107	GRN	
77	0.07	GRN	
78	0.143	GRN	
79	0.134	GRN	
80	0.147	GRN	
81	0.143	GRN	
82	0.138	GRN	
83	0.123	GRN	
84	0.134	GRN	
85	0.135	GRN	
86	0.117	GRN	
87	0.121	GRN	
88	0.198	GRN	
89	0.068	GRN	
90	0.139	GRN	
91	0.123	GRN	
92	0.158	GRN	
93	0.179	GRN	
94	0.048	GRN	
95	0.172	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
96	0.061	GRN	
97	0.044	GRN	
98	0.162	GRN	
99	0.117	GRN	
100	0.173	GRN	
101	0	GRN	broken
102	0.157	GRN	
103	0.188	GRN	
104	0.175	GRN	
105	0.144	GRN	
106	0.111	GRN	
107	0.156	GRN	
108	0.02	GRN	
109	0.031	GRN	
110	0.17	GRN	
111	0.156	GRN	
112	0.129	GRN	
113	0.113	GRN	
114	0.187	GRN	
115	0	VEN	broken
116	0	VEN	broken
117	0.221	VEN	
118	0.506	GRN	
118	0.506	VEN	
119	0.047	GRN	
120	0.135	GRN	
121	0.256	GRN	
122	0.14	GRN	
123	0.285	GRN	
124	5.833	MNZ	
125	0.869	MNZ	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
126	0.333	MNZ	
127	0.594	MNZ	
128	0.361	MNZ	
129	0.51	MNZ	
130	0.365	MNZ	
131	0.421	MNZ	
132	0.417	MNZ	
133	0.502	MNZ	
134	0.463	MNZ	
135	0.535	MNZ	
136	0.555	MNZ	
137	0.519	MNZ	
138	0.516	MNZ	
139	0.537	MNZ	
140	0.492	MNZ	
141	0.495	MNZ	
142	0.594	MNZ	
143	0.472	MNZ	
144	0.379	MNZ	
145	0.409	MNZ	
146	0.429	MNZ	

Depth (m)	Magnetic Susceptibility	Unit	Comments

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
CRQ-12-004									
	9	15	BTW	GRN	521.5	318	2.5	2.6	Medium grey granite with 2cm thick weak argillic altd. Band.
	36	14.5	BTW	GRN	526.6	317.8	2.7	2.5	Medium greenish grey granite with 2mm quartz veinlet with 3cm phyllic altn. Halo.
	56.8	14.5	BTW	MNZ	537.5	343.5	2.7	2.8	Medium greenish grey monzonite. Magnetic w/ disseminated FG pyrrotite.
	81.1	14.6	BTW	GRN	521.5	327.5	2.6	2.7	Medium grey fresh granite.
	107.8	14.7	BTW	GRN	501.3	306.5	2.5	2.6	Light grey, lightly bleached and argillic altd. Granite.
	117	14.9	BTW	VEN	556.4	362.6	2.7	2.9	Light, dull green granite cut by quartz veins, comprising 20% of core piece. Mineralized with fine grain blebby pyrite and sphalerite.
	137	14.8	BTW	MNZ	547	376.3	2.7	3.2	Medium greenish grey monzonite.