Keg - Silver Range

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		599675	6912851	1707	123.44

ZONE: SNAP

SECTION:

HOLE: SNP-12-007

CLAIM: YD118171

Contractor: Beaudoin

Drill: 2

Core Size: BTW

Casing Depth: 7.62m, Out

Drilling Dates: Aug 12 - Aug 14, 2012

Geology Logged By: H. Friday

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	7.62	7.62	CAS
7.62	123.44	115.82	GRN

SAMPLES	
Numbers:	M389501 to M389517, M653376 to M653400
Total:	46
Batch:	037, 038
Certificates:	WH12199289, WH12202886

COMMENTS

Box Log

SNP-12-007

Silver Range
SNAP Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	7.62	13.12
2	13.12	18.31
3	18.31	24.3
4	24.3	29.76
5	29.76	35.66
6	35.66	41
7	41	45.65
8	45.65	50.95
9	50.95	55.82
10	55.82	61.48
11	61.48	66.4
12	66.4	71.58
13	71.58	77
14	77	82.3
15	82.3	87.48
16	87.48	92.37
17	92.37	97.81
18	97.81	103.4
19	103.4	109.42
20	109.42	116.35
21	116.35	121.32
22	121.32	123.44

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	7.62	7.62	CAS	--	Casing							
						--	--	---	---	--	--	0
7.62	11.02	3.40	GRN	MG	Light grey to tan moderately argillicly altered and weakly oxidized granite. Oxidation more pervasive on fracture surfaces. Segments of grit and rubble throughout interval.							
						LT	GY	PH	OXI	2I	--	0
						LT	TN		ARG	3I		
11.02	18.92	7.90	GRN	MG	Medium grey to tan phaneritic to mildly foliated granite. Foliation ranging from 10-25 degrees TCA, and defined by grey/tan colour banding and weak alignment of micas (?). Weak oxidation seen on and occasionally enveloping fracture surfaces and veinlets. Manganese oxide seen on select fracture surfaces.							
						MD	GY	PH	OXI	2I	--	0
						MD	TN	FO	MNO	1I		
18.92	27.25	8.33	GRN	MG	Light to medium tan to brown granite with patchy argillic and silic alteration throughout - 80 percent of interval is argillic, 30 percent silic overprinting argillic. Oxidation seen throughout on all fracture surfaces - and enveloping veinletts/stringers to upto 2cm on either side. Manganese oxide seen on majority of fracture surfaces. Trace sphalerite also seen on fractures. Dark brown stringers seen throughout (MNO?)							
						MD	BN		SIL	1I		
						LT	TN	PH	ARG	2I	Sp	0.01
									OXI	3I		
									MNO	1I		
27.25	36.23	8.98	GRN	MG	Medium grey phaneritic granite with weak oxidation and manganese oxide seen on fracture surfaces. Localized moderate argillic alteration throughout - typically 20-30cm segments with weak oxidation. Argillic zones typically rubble to grit.							
						MD	GY	PH	OXI	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									MNO	1I		
									ARG	2I		
36.23	41.23	5.00	GRN	MG	Medium grey phaneritic granite with weak oxidation seen on fracture surfaces and weak argillic alteration throughout - very localized and typically only 20cm. Manganese oxide seen on select fracture surfaces.							
						MD	GY	PH	OXI	1I	--	0
									MNO	1I		
									ARG	1I		
41.23	41.76	0.53	GRN	MG	Light grey to tan strongly argillicly altered granite. Interval grit to rubble. Weak oxidation and manganese oxide on fracture surfaces.							
						LT	TN	RB	OXI	1I		
						LT	GY	PH	ARG	4I	--	0
									MNO	1I		
41.76	45.19	3.43	GRN	MG	Medium to light grey phaneritic granite with moderate oxidation throughout - mainly on and enveloping fracture surfaces. Weak manganese oxide also seen on fracture surfaces. Localized weak to moderate argillic alteration throughout. Trace pyrite seen in quartz veinlets and stringers throughout.							
						MD	GY	PH	OXI	2I	Py	0.01
						LT	GY		ARG	1I		
									MNO	1I		
45.19	48.81	3.62	GRN	MG	Medium brown-grey phaneritic granite with moderate oxidation throughout. Moderate manganese oxide also seen - mainly on fracture surfaces. Localized argillic alteration throughout. Interval highly fractured to rubble. Galena seen in small quartz vein at 47.85m.							
						MD	GN	PH	OXI	3I	Gn	0.01
						MD	GY		MNO	2I		
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
48.81	53.31	4.50	GRN	MG	Light to medium grey to tan strongly argillicly altered granite. Weak to moderate oxidation throughout. Weak manganese oxide seen on select fracture surfaces. Rubble segments throughout interval .							
						MD	TN	RB	OXI	2I		
						LT	GY	PH	ARG	4I	--	0
									MNO	1I		
53.31	57.79	4.48	GRN	MG	Medium grey phaneritic granite with weak to moderate oxidation on and surrounding fracture surfaces. Weak manganese oxide on select fractures and localized weak argillic alteration throughout - typically enveloping stringers.							
						MD	GY	PH	ARG	1I	--	0
									OXI	2I		
									MNO	1I		
57.79	61.24	3.45	GRN	MG	Light to medium grey to tan strongly argillicly altered phaneritic granite. Weak to moderate oxidation throughout. Small grit to rubble segments of intense argillicly altered granite.							
						MD	TN		OXI	2I		
						LT	GY	PH	ARG	4I	--	0
61.24	69.49	8.25	GRN	MG	Medium to light grey phaneritic granite with localized weak argilic alteration throughout. Weak oxidation seen on select fracture surfaces. Argillic alteration more pervasive 30cm before next interval. Trace sphalerite and pyrite seen in blebs around lower contact into next interval.							
						MD	GY	PH	ARG	2I	Py	0.01
						LT	GY		OXI	1I	Sp	0.01
69.49	70.67	1.18	GRN	MG	Medium brown strongly argillicly altered granite. Moderate oxidation throughout. Interval competent to grit. Sharp contacts.							
						MD	BN	PH	ARG	4I	--	0
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
70.67	103.40	32.73	GRN	MG	Medium grey phaneritic granite. Small 5mm veinlets throughout hosting very fine grained pyrite. Argillic alteration halos seen around veinlets - 10cm envelope on either side. Trace arseno pyrite (?) blebs seen in the alteration halos -- too fine grained to tell. Small 20cm segments of moderate oxidation and rubble throughout interval. Segments with more biotite-rich bands throughout - bands typically 0.5 - 1cm thick.							
						MD	GY	PH	OXI	1I	As	0.01
									ARG	1I	Py	0.01
									SIL	1I		
103.40	105.04	1.64	GRN	MG	Medium to light grey intensely argillic granite. Entire interval grit to rubble. Weak oxidation seen locally throughout. Competent pieces throughout. Competent pieces throughout approx. 10cm and moderately silicified (?).							
						MD	GY	RB	OXI	1I	--	0
						LT	GY		ARG	5I		
									SIL	1I		
105.04	114.58	9.54	GRN	MG	Medium to light grey phaneritic granite with localized argillic alteration throughout. Argillic segments up to 70cm and grit. Silicified argillic alteration also seen around small 5mm veinlets with a 20cm envelope. Trace fine grained pyrite seen as blebs and euhedral crystals throughout veinlets. Small bands 5mm to 1cm of more biotite-rich granite. Weak oxidation through competent granite and moderate oxidation through heavy argillic altered segments. Small ankerite (?) seamlets seen throughout.							
						MD	GY	PH	OXI	2I	Py	0.01
						LT	GY		SIL	1I		
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
114.58	119.47	4.89	GRN	MG	Light grey to tan weakly argilic altered granite. Localized silicification seen around veinlets. Small 5mm sulphide (sphalerite and pyrite) veinlets throughout, often discontinuous. 2 larger quartz-sulphide veins seen at 115.11m and 119.48m. Both very rubbly and 10-20cm thick. Pyrite, galena and sphalerite seen in these. Up to 30cm zones of intense argillic alteration - grit to rubble, throughout. Weak to moderate oxidation throughout, mainly in the moderate to intense argillic zones.							
						LT	GY	PH	SIL	4I	Py	0.01
						LT	TN		ARG	2I	Gn	0.01
									OXI	2I	Sp	0.01
119.47	123.44	3.97	GRN	MG	Medium to light grey to tan granite with localized moderate argillic alteration seen throughout - often enveloping small veinlets and stringers. Veinlets and stringers are quartz-pyrite and clay (?) - very soft, light tan coloured stringers. Argillic alteration surrounding these, often with a 2-5cm halo of silicification.							
						MD	GY	PH	ARG	2I	Py	0.01
						LT	TN		OXI	1I		
									SIL	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	M389515	12-038	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M653386	12-037	Core	ME8	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M653393	12-038	Core	ME8	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M653399	12-038	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M389510	12-038	Core	ME8	☐	☐	☐
7.62	9.50	1.88	GRN, CAS	1.85	98	M653376	12-037	Core		☐	☐	☐
9.50	11.28	1.78	GRN	0.93	52	M653377	12-037	Core		☐	☐	☐
11.28	14.33	3.05	GRN	3.05	100	M653378	12-037	Core		☐	☐	☐
14.33	17.37	3.04	GRN	2.90	95	M653379	12-037	Core		☐	☐	☐
17.37	18.92	1.55	GRN	1.55	100	M653380	12-037	Core		☐	☐	☐
18.92	20.42	1.50	GRN	1.24	83	M653381	12-037	Core		☐	☐	☐
20.42	22.42	2.00	GRN	1.79	90	M653382	12-037	Core		☐	☐	☐
20.42	22.42	2.00	GRN	1.79	90	M653383	12-037	Core		☐	☐	☑
22.42	24.42	2.00	GRN	1.57	79	M653384	12-037	Core		☐	☐	☐
24.42	25.92	1.50	GRN	1.41	94	M653385	12-037	Core		☐	☐	☐
25.92	27.25	1.33	GRN	1.18	89	M653387	12-037	Core		☐	☐	☐
27.25	29.57	2.32	GRN	2.18	94	M653388	12-038	Core		☐	☐	☐
29.57	32.61	3.04	GRN	3.04	100	M653389	12-038	Core		☐	☐	☐
32.61	34.77	2.16	GRN	2.11	98	M653390	12-038	Core		☐	☐	☐
34.77	36.23	1.46	GRN	1.25	86	M653391	12-038	Core		☐	☐	☐
36.23	38.71	2.48	GRN	2.48	100	M653392	12-038	Core		☐	☐	☐
38.71	41.76	3.05	GRN	2.84	93	M653394	12-038	Core		☐	☐	☐
41.76	43.69	1.93	GRN	1.93	100	M653395	12-038	Core		☐	☐	☐
43.69	45.19	1.50	GRN	1.34	89	M653396	12-038	Core		☐	☐	☐
45.19	47.00	1.81	GRN	1.81	100	M653397	12-038	Core		☐	☐	☐
47.00	48.81	1.81	GRN	1.39	77	M653398	12-038	Core		☐	☐	☐
48.81	50.81	2.00	GRN	1.98	99	M653400	12-038	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
50.81	53.31	2.50	GRN	2.50	100	M389501	12-038	Core		☐	☐	☐
57.79	59.79	2.00	GRN	1.68	84	M389502	12-038	Core		☐	☐	☐
57.79	59.79	2.00	GRN	1.68	84	M389503	12-038	Core		☐	☐	☑
59.79	61.24	1.45	GRN	1.45	100	M389504	12-038	Core		☐	☐	☐
69.49	70.67	1.18	GRN	1.18	100	M389505	12-038	Core		☐	☐	☐
103.40	105.04	1.64	GRN	1.34	82	M389506	12-038	Core		☐	☐	☐
105.04	107.28	2.24	GRN	1.98	88	M389507	12-038	Core		☐	☐	☐
107.28	110.28	3.00	GRN	1.92	64	M389508	12-038	Core		☐	☐	☐
110.28	112.78	2.50	GRN	1.57	63	M389509	12-038	Core		☐	☐	☐
112.78	114.28	1.50	GRN	1.36	91	M389511	12-038	Core		☐	☐	☐
114.28	116.28	2.00	GRN	1.56	78	M389512	12-038	Core		☐	☐	☐
116.28	118.28	2.00	GRN	1.70	85	M389513	12-038	Core		☐	☐	☐
118.28	119.48	1.20	GRN	1.20	100	M389514	12-038	Core		☐	☐	☐
119.48	120.98	1.50	GRN	1.50	100	M389516	12-038	Core		☐	☐	☐
120.98	123.44	2.46	GRN	2.46	100	M389517	12-038	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	7.62	7.62	0	0	0.00	0	0R	--	--	Overburden
7.62	8.23	0.61	0.61	100	0.32	52	0R	2H	4W	
8.23	11.28	3.05	2.3	75	0.23	8	0R	2H	4W	
11.28	14.33	3.05	3.05	100	1.30	43	0R	4H	2W	
14.33	17.37	3.04	2.9	95	0.71	23	0R	3H	2W	
17.37	20.42	3.05	2.85	93	0.70	23	0R	3H	2W	
20.42	23.47	3.05	2.83	93	1.26	41	0R	3H	2W	
23.47	26.52	3.05	2.86	94	1.66	54	0R	3H	2W	
26.52	29.57	3.05	2.81	92	2.11	69	0R	4H	2W	
29.57	32.61	3.04	2.65	87	0.77	25	0R	3H	2W	
32.61	35.66	3.05	2.87	94	1.61	53	0R	4H	2W	
35.66	38.71	3.05	3.05	100	1.79	59	0R	4H	1W	
38.71	41.76	3.05	2.85	93	1.43	47	0R	4H	2W	
41.76	44.81	3.05	2.97	97	1.75	57	0R	4H	2W	
44.81	47.85	3.04	2.95	97	1.00	33	0R	3H	3W	
47.85	50.90	3.05	2.75	90	0.00	0	0R	2H	4W	
50.90	53.95	3.05	3.05	100	2.75	90	0R	2H	4W	
53.95	57.00	3.05	3	98	2.08	68	0R	4H	2W	
57.00	60.05	3.05	2.75	90	1.31	43	0R	4H	2W	
60.05	63.09	3.04	2.99	98	1.33	44	0R	2H	3W	
63.09	66.14	3.05	3.05	100	1.30	43	0R	3H	3W	
66.14	69.19	3.05	3.05	100	2.51	82	0R	4H	1W	
69.19	72.24	3.05	2.82	92	1.42	47	0R	2H	4W	
72.24	75.29	3.05	3.03	99	2.48	81	0R	4H	2W	
75.29	78.33	3.04	2.85	94	2.85	94	0R	4H	1W	
78.33	81.38	3.05	3.04	100	2.75	90	0R	4H	1W	
81.38	84.43	3.05	3.05	100	2.80	92	0R	4H	1W	
84.43	87.48	3.05	3.05	100	3.05	100	0R	4H	1W	
87.48	90.53	3.05	3.05	100	2.39	78	0R	4H	2W	10cm stick up.

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	2.93	96	2.50	82	0R	4H	1W	
93.57	96.62	3.05	2.64	87	1.95	64	0R	4H	1W	Joint set has variable 20-40 TCA.
96.62	99.67	3.05	2.98	98	2.48	81	0R	3H	2W	
99.67	102.72	3.05	2.9	95	1.90	62	0R	4H	1W	
102.72	105.77	3.05	2.95	97	1.22	40	0R	2H	1W	Strong argillic altn.
105.77	108.81	3.04	2	66	0.77	25	0R	3H	2W	Broken, rough driller breaks only.
108.81	111.86	3.05	1.85	61	0.61	20	0R	3H	2W	
111.86	114.91	3.05	2.9	95	1.10	36	0R	3H	2W	
114.91	117.96	3.05	2.29	75	1.13	37	0R	3H	2W	
117.96	121.01	3.05	3.05	100	1.00	33	0R	3H	2W	Mostly argillic altd. Rubble.
121.01	123.44	2.43	2.4	99	1.70	70	0R	3H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
8	0.118	GRN	
9	0.162	GRN	
10	0	GRN	broken
11	0.171	GRN	
12	0	GRN	broken
13	0	GRN	broken
14	0.179	GRN	
15	0.213	GRN	
16	0.162	GRN	
17	0	GRN	broken
18	0.159	GRN	
19	0.143	GRN	
20	0.014	GRN	
21	0.017	GRN	
22	0.037	GRN	
23	0	GRN	broken
24	0.015	GRN	
25	0.111	GRN	
26	0.037	GRN	
27	0.217	GRN	
28	0.203	GRN	
29	0.166	GRN	
30	0.15	GRN	
31	0.133	GRN	
32	0.169	GRN	
33	0.182	GRN	
34	0.172	GRN	
35	0.198	GRN	
36	0.16	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
37	0.79	GRN	
38	0.176	GRN	
39	0.233	GRN	
40	0.24	GRN	
41	0.234	GRN	
42	0.167	GRN	
43	0.232	GRN	
44	0.16	GRN	
45	0.302	GRN	
46	0.194	GRN	
47	0.15	GRN	
48	0	GRN	broken
49	0	GRN	broken
50	0	GRN	broken
51	0	GRN	broken
52	0.135	GRN	
53	0.717	GRN	
54	0.171	GRN	
55	0.247	GRN	
56	0.203	GRN	
57	0.228	GRN	
58	0.174	GRN	
59	0.236	GRN	
60	0.148	GRN	
61	1.05	GRN	
62	0.303	GRN	
63	0.225	GRN	
64	0.168	GRN	
65	0.172	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
66	0.264	GRN	
67	0.28	GRN	
68	0.09	GRN	
69	0.106	GRN	
70	0.665	GRN	
71	0.171	GRN	
72	0.236	GRN	
73	0.223	GRN	
74	0.172	GRN	
75	0.215	GRN	
76	0.207	GRN	
77	0.389	GRN	
78	0.26	GRN	
79	0.219	GRN	
80	0.187	GRN	
81	0.43	GRN	
82	0.168	GRN	
83	0.217	GRN	
84	0.187	GRN	
85	0.212	GRN	
86	0.166	GRN	
87	0.224	GRN	
88	0.249	GRN	
89	0.21	GRN	
90	0.179	GRN	
91	0.168	GRN	
92	0.229	GRN	
93	0.205	GRN	
94	0.267	GRN	
95	0.292	GRN	
96	0.191	GRN	
97	0.156	GRN	
98	0.272	GRN	
99	0.249	GRN	
100	0.269	GRN	
101	0.17	GRN	
102	0.301	GRN	
103	0.195	GRN	
104	0	GRN	broken
105	0.172	GRN	
106	0.178	GRN	
107	0.204	GRN	
108	0.248	GRN	
109	0.187	GRN	
110	0.144	GRN	
111	0.18	GRN	
112	0.203	GRN	
113	0.204	GRN	
114	0.357	GRN	
115	0	GRN	broken
116	0.032	GRN	
117	0.231	GRN	
118	0.234	GRN	
119	0.276	GRN	
120	0.196	GRN	
121	0.152	GRN	
122	0.213	GRN	
123	0.198	GRN	

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
SNP-12-007									
	28	14.1	BTW	GRN	519.3	332	2.7	2.8	Med. Grey, med. Grained granite.
	60.1	14.8	BTW	GRN	543	338	2.7	2.7	Med. Grey, med. Grained granite.
	99	14.8	BTW	GRN	547.8	350	2.7	2.8	Med. Grey, med. Grained granite, lightly foliated.