Keg - Silver Range

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		599675	6912851	1707	78.64

ZONE: SNAP

SECTION:

HOLE: SNP-12-008

CLAIM: YD118171

Contractor: Beaudoin

Drill: 2

Core Size: BTW

Casing Depth: 1.52m, Out

Drilling Dates: Aug 14 - Aug 15, 2012

Geology Logged By: H. Friday

SURVEY			
Depth (m)	Azimuth	Dip	Method
0	90	-75	Compass
78.63	94	-74.7	Ranger

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.52	1.52	CAS
1.52	37.47	35.95	GRN
37.47	45.11	7.64	VEN
45.11	51.29	6.18	GRN
51.29	56.72	5.43	BXA
56.72	59.26	2.54	VEN
59.26	76.38	17.12	GRN
76.38	77.52	1.14	VEN
77.52	78.64	1.12	GRN

SAMPLES	
Numbers:	M653316 to M653375
Total:	60
Batch:	036, 037
Certificates:	WH12199288, WH12199289

COMMENTS

Box Log

SNP-12-008

Silver Range
SNAP Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.52	7.9
2	7.9	12.5
3	12.5	17.91
4	17.91	22.86
5	22.86	28.16
6	28.16	33.47
7	33.47	38.6
8	38.6	43.43
9	43.43	48.82
10	48.82	54.25
11	54.25	59.3
12	59.3	64.52
13	64.52	69.85
14	69.85	75.35
15	75.35	78.64

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	1.52	1.52	CAS	--	Casing							
						--	--	---	---	--	--	0
1.52	14.70	13.18	GRN	MG	Medium orange-brown strongly oxidized granite. Patchy argillic alteration throughout interval. Entire interval highly fractured to rubble. Small veinlets/fracture coatings of gypsum? Smithsonite? - slight turquoise/green colouring. Fracture surfaces have grit/powder trace very fine grained dull pyrite seen throughout. Tetrahedrite seen on select fracture surfaces with smithsonite. Trace galena.							
						MD	OR	PH	OXI	4I	Py	0.01
						MD	BN		ARG	4I	Gn	0.01
									MNO	1I		
14.70	17.60	2.90	GRN	MG	Light grey-blue phaneritic granite. Weak oxidation seen on select fracture surfaces/surrounding select veins/veinlets throughout. Trace smithsonite seen on select fracture surfaces - typically a 1-2mm coating. Trace pyrite seen throughout. Chalcedonic/quartz veins/veinlets throughout - seen in silicified zones. Granite texture still occasionally visible.							
						LT	GY	PH	OXI	1I	Py	0.01
						LT	BL		SIL	2I		
17.60	18.84	1.24	GRN	MG	Light to medium brown-tan phaneritic granite. Strongly oxidized throughout to a dark brown often on fracture surfaces. Large 30cm zone of coarse grained quartz and ankerite (?) from 18.08 - 18.38m with moderate oxidation throughout. Tourmaline (?) - dark black, slightly bladey crystals throughout matrix. Muscovite seen on fracture surfaces. Manganese oxide seen on select fracture surfaces.							
						MD	BN		MNO	1I		
						LT	BN	PH	OXI	4I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
18.84	21.05	2.21	GRN	MG	Dark grey to brown phaneritic granite. More mafics seen than in unaltered granite - biotite and potentially tourmaline (?). Lighter grey-brown oxidation seen enveloping fractures and veinlets. Weak manganese oxide seen on select fracture surfaces. Trace sulphosalts (?) seen as dark black seamletts throughout.							
						DK	GY	PH	OXI	2I	Un	0.01
						DK	BN		MNO	1I		
21.05	24.12	3.07	GRN	MG	Light tan to grey argillic and mildly oxidized granite. Oxidation patchy throughout with zones of darker brown oxidation. Occasional fractures with manganese oxide.							
						LT	TN	PH	ARG	3I	--	0
						LT	GY		OXI	2I		
									MNO	1I		
24.12	26.32	2.20	GRN	MG	Light grey phaneritic argillic altered granite. Weak oxidation seen on select fracture surfaces. Interval highly fractured with some rubble throughout. Grit to gouge seen on fracture surfaces. Hematite staining seen locally, more common around sulphides. Medium grained bright coarse pyrite seen throughout - most commonly on fracture surfaces. Sphalerite also seen with pyrite, oxidizing to a purple-blue colour.							
						LT	GY	PH	ARG	3I	Sp	0.01
									OXI	1I	Py	0.01
											He	0.01
26.32	31.48	5.16	GRN	MG	Medium brown to tan phaneritic granite with moderate argillic and oxidation throughout. Fine grained dull to bright pyrite seen throughout, typically in stringers or large blebs. Hematite staining seen in segments of moderate pyrite mineralization, and occasional silicification(?) Quartz veins often seen with the pyrite.							
						MD	BN	PH	ARG	3I	Py	0.01
						MD	TN		OXI	2I		
									SIL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
31.48	36.59	5.11	GRN	MG	Light to medium grey to tan granite with weak argillic alteration and oxidation throughout. Oxidation primarily on and enveloping fracture surfaces and veinlets. Trace galena and sphalerite seen in veinlets throughout - often visible on fracture surfaces. Pyrite seen throughout - both very fine grained dull pyrite and medium grained pyrite grains in veinlets/veins and often in blebs. Hematite staining often seen around the pyrite.							
						MD	TN				Gn	0.01
						MD	GY				Sp	0.01
						LT	GY	PH	ARG	2I	Py	0
36.59	37.47	0.88	GRN	MG	Dark grey sulphide-rich granite. Weak oxidation seen on fracture surfaces. Chalcedonic veining throughout with pyrite, galena and sphalerite throughout. Sulphides seen rimming and within the chalcedonic veins. Bright medium grained pyrite often seen rimmed by very fine grained dull pyrite and sphalerite. Chalcedonic veins often have slight breccia segments with oxidized veinlets.							
						DK	GY	PH	OXI	1I	Py	10
											Sp	5
											Gn	2
37.47	45.11	7.64	VEN	MG	Semi-massive to massive sulphide breccia vein. Chalcedony veins/veinlets seen throughout as well as blebs/clasts of quartz. Veins/veinlets rimmed with sulphides, and sulphides occasionally seen throughout. Pyrite is seen as very fine grained dull and medium grained bright pyrite blebs, occasionally as fibrous pyrite. Oxidized remnant granite clasts seen. Sulphides vuggy to sand/grit from 42.06 - 43.54m, and mainly massive dull very fine grained pyrite.							
						DK	GY	MA	OXI	1I	Py	20
								BX			Gn	1
											Sp	10

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
45.11	51.29	6.18	GRN	MG	Light to medium brown to grey granite with moderate to strong oxidation throughout. Veins/veinlets throughout with sphalerite, galena and pyrite as blebs of these sulphides throughout. A mild foliation seen locally throughout, and defined by oxidized stringers - ranges from 0 - 20 degrees TCA. Quartz blebs also seen throughout interval.							
						MD	GY				Gn	0.1
						LT	BN	PH	OXI	3I	Sp	0.5
											Py	1
51.29	56.72	5.43	BXA	MG	Light grey-tan to dark grey-green breccia vein. Matrix semi-massive sulphides - typically pyrite with quartz/silicified clasts throughout, occasionally oxidized. Clasts in breccia typically sub rounded to sub angular. Pyrite in matrix typically very fine grained, dull with medium grained bright pyrite overprinting. Sphalerite, galena and chalcopyrite seen in the matrix as larger grains with the pyrite. Pyrite occasionally pitted in the more massive segments. White quartz veins/veinlets throughout - typically with rough contacts into breccia.							
						LT	TN	BX	OXI	2I	Gn	5
						DK	GY	MA			Sp	10
											Py	30
											Cp	1
56.72	59.26	2.54	VEN	FG	Medium grey-tan intensely silicified vein - unable to tell protolith - no remaining textures. Stockwork sphalerite and pyrite stringers and seamletts locally throughout. Pyrite seen as very fine grained and dull and as medium grained bright pyrite. Galena occasionally seen in these seamletts, but more commonly as grains throughout. Small blebs of a light tan-yellow mineral (ankerite?) that is often vuggy.							
						MD	GY	MA	SIL	5I	Sp	1
						MD	TN				Py	2
											Gn	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
59.26	67.13	7.87	GRN	MG	Medium to dark grey phaneritic granite with zones of mild silicification and stringers and veinlets throughout with pyrite and sphalerite - typically a sphalerite matrix with bladey/elongate pyrite crystals throughout. Pyrite and sphalerite also seen disseminated throughout. Pyrite and sphalerite overprinting biotite(?) in granite. Galena seen in the more silicified zones - often on vugs in the core. Small stringers of gypsum/smithsonite throughout - fibrous with a greenish colouration (typically dark green).							
						MD	GY	PH	SIL	2I	Py	5
						DK	GY				Sp	5
											Gn	0.01
67.13	69.45	2.32	GRN	MG	Light to medium grey phaneritic granite with patchy silicification and argillic alteration throughout. Interval has segments 30cm of rubble to grit. Pyrite seen in the stringers and veinlets throughout - typically very undulatory and uneven thickness. Py is fine grained to very fine grained and typically dull.							
						MD	GY		---	--		
						LT	GY	PH	ARG	3I	Py	0.01
69.45	76.38	6.93	GRN	MG	Light to medium grey phaneritic granite with patchy silicification and argillic alteration throughout. Py seen throughout replacing biotite (?) as well as in stockwork veins/veinlets/stringers locally throughout. Pyrite is very fine grained and dull. Sphalerite rarely replacing biotite and in stringers/veinlets throughout. Occasional veins/veinlets with coarse grained pyrite. Quartz veinlets/veins throughout with trace galena and chalcopyrite on fracture/vugg surfaces.							
						MD	GY		ARG	2I	Py	0.1
						LT	GY	PH	SIL	2I	Sp	0.01
											Gn	0.01
											Cp	0.01
76.38	77.52	1.14	VEN	MG	Medium to dark grey-tan intensely silicified vein with moderate breccia throughout. Matrix fine grained to very fine grained pyrite. Clasts sub rounded quartz blebs.							
						MD	GY	BX	SIL	4I	Py	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	TN					
77.52	78.64	1.12	GRN	MG	Medium to light grey to tan moderately argillic altered granite. Stockwork pyrite veinlets/stringers locally throughout. Sulphosalts (?) seen on select fracture surfaces - dark grey to black powdery soot. Pyrite also seen locally overprinting biotite in granite.							
						MD	GY	PH	ARG	2I	Py	1
						LT	GY					

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	M653336	12-036	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M653340	12-036	Core	ME8	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M653350	12-036	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M653358	12-037	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M653361	12-037	Core	ME8	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M653371	12-037	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M653324	12-036	Core	ME8	☐	☐	☐
1.52	2.66	1.14	CAS, GRN	0.48	42	M653316	12-036	Core		☐	☐	☐
2.66	5.49	2.83	GRN	0.52	18	M653317	12-036	Core		☐	☐	☐
5.49	8.53	3.04	GRN	3.04	100	M653318	12-036	Core		☐	☐	☐
8.53	11.58	3.05	GRN	2.30	75	M653319	12-036	Core		☐	☐	☐
11.58	12.50	0.92	GRN	0.73	79	M653320	12-036	Core		☐	☐	☐
12.50	14.70	2.20	GRN	1.15	52	M653321	12-036	Core		☐	☐	☐
14.70	17.60	2.90	GRN	2.48	86	M653322	12-036	Core		☐	☐	☐
17.60	18.84	1.24	GRN	1.24	100	M653323	12-036	Core		☐	☐	☐
18.84	21.05	2.21	GRN	2.04	92	M653325	12-036	Core		☐	☐	☐
21.05	22.86	1.81	GRN	1.81	100	M653326	12-036	Core		☐	☐	☐
22.86	24.12	1.26	GRN	1.26	100	M653327	12-036	Core		☐	☐	☐
24.12	26.32	2.20	GRN	1.80	82	M653328	12-036	Core		☐	☐	☐
26.32	28.91	2.59	GRN	2.59	100	M653329	12-036	Core		☐	☐	☐
26.32	28.91	2.59	GRN	2.59	100	M653330	12-036	Core		☐	☑	☐
28.91	31.48	2.57	GRN	2.37	92	M653331	12-036	Core		☐	☐	☐
31.48	33.47	1.99	GRN	1.65	83	M653332	12-036	Core		☐	☐	☐
33.47	35.00	1.53	GRN	1.49	97	M653333	12-036	Core		☐	☐	☐
35.00	36.59	1.59	GRN	1.33	84	M653334	12-036	Core		☐	☐	☐
36.59	37.07	0.48	GRN	0.48	100	M653335	12-036	Core		☐	☐	☐
37.07	37.50	0.43	GRN	0.43	100	M653337	12-036	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
37.50	38.26	0.76	VEN	0.76	100	M653338	12-036	Core		☐	☐	☐
38.26	38.66	0.40	VEN	0.40	100	M653339	12-036	Core		☐	☐	☐
38.66	39.19	0.53	VEN	0.42	79	M653341	12-036	Core		☐	☐	☐
39.19	40.15	0.96	VEN	0.96	100	M653342	12-036	Core		☐	☐	☐
40.15	41.12	0.97	VEN	0.97	100	M653343	12-036	Core		☐	☐	☐
41.12	42.06	0.94	VEN	0.91	97	M653344	12-036	Core		☐	☐	☐
42.06	42.80	0.74	VEN	0.65	88	M653345	12-036	Core		☐	☐	☐
42.80	43.54	0.74	VEN	0.71	96	M653346	12-036	Core		☐	☐	☐
43.54	44.43	0.89	VEN	0.83	93	M653347	12-036	Core		☐	☐	☐
43.54	44.43	0.89	VEN	0.83	93	M653348	12-036	Core		☐	☐	☑
44.43	45.11	0.68	VEN	0.58	85	M653349	12-036	Core		☐	☐	☐
45.11	46.75	1.64	GRN, VEN	1.48	90	M653351	12-036	Core		☐	☐	☐
46.75	48.82	2.07	GRN	1.80	87	M653352	12-037	Core		☐	☐	☐
48.82	51.29	2.47	GRN	2.44	99	M653353	12-037	Core		☐	☐	☐
51.29	52.82	1.53	GRN, BXA	1.53	100	M653354	12-037	Core		☐	☐	☐
52.82	54.25	1.43	BXA	1.43	100	M653355	12-037	Core		☐	☐	☐
54.25	55.66	1.41	BXA	1.36	96	M653356	12-037	Core		☐	☐	☐
55.66	56.72	1.06	BXA	1.06	100	M653357	12-037	Core		☐	☐	☐
56.72	59.26	2.54	VEN, BXA	2.54	100	M653359	12-037	Core		☐	☐	☐
59.26	59.75	0.49	VEN, GRN	0.49	100	M653360	12-037	Core		☐	☐	☐
59.75	61.51	1.76	GRN	1.76	100	M653362	12-037	Core		☐	☐	☐
61.51	63.40	1.89	GRN	1.79	95	M653363	12-037	Core		☐	☐	☐
63.40	65.00	1.60	GRN	1.60	100	M653364	12-037	Core		☐	☐	☐
63.40	65.00	1.60	GRN	1.60	100	M653365	12-037	Core		☐	☑	☐
65.00	67.13	2.13	GRN	2.12	100	M653366	12-037	Core		☐	☐	☐
67.13	69.45	2.32	GRN	1.79	77	M653367	12-037	Core		☐	☐	☐
69.45	70.03	0.58	GRN	0.58	100	M653368	12-037	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
70.03	72.54	2.51	GRN	2.30	92	M653369	12-037	Core		☐	☐	☐
72.54	73.15	0.61	GRN	0.56	92	M653370	12-037	Core		☐	☐	☐
73.15	75.00	1.85	GRN	1.30	70	M653372	12-037	Core		☐	☐	☐
75.00	76.38	1.38	GRN	1.38	100	M653373	12-037	Core		☐	☐	☐
76.38	77.52	1.14	GRN, VEN	1.12	98	M653374	12-037	Core		☐	☐	☐
77.52	78.64	1.12	GRN, VEN	1.12	100	M653375	12-037	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.52	1.52	0	0	0.00	0	--	--	--	Casing, no recovery.
1.52	3.96	2.44	0.48	20	0.00	0	0R	1H	5W	
3.96	5.49	1.53	0.6	39	0.00	0	0R	1H	4W	
5.49	8.53	3.04	3.04	100	0.63	21	0R	2H	4W	
8.53	11.58	3.05	2.3	75	0.00	0	0R	2H	4W	
11.58	14.63	3.05	2.1	69	0.00	0	0R	3H	4W	
14.63	17.68	3.05	2.78	91	0.00	0	0R	4H	3W	
17.68	20.73	3.05	3.03	99	1.46	48	0R	3H	4W	
20.73	23.77	3.04	3.04	100	1.69	56	0R	4H	3W	
23.77	26.82	3.05	2.75	90	0.60	20	0R	2H	4W	
26.82	29.87	3.05	2.96	97	1.02	33	0R	3H	3W	
29.87	32.92	3.05	2.9	95	0.61	20	0R	3H	3W	
32.92	35.97	3.05	2.85	93	0.49	16	0R	3H	2W	
35.97	39.01	3.04	2.8	92	0.50	16	0R	4H	2W	
39.01	42.06	3.05	2.97	97	1.14	37	0R	4H	2W	
42.06	45.11	3.05	2.67	88	0.13	4	0R	3H	2W	
45.11	48.16	3.05	2.61	86	0.71	23	0R	3H	2W	
48.16	51.21	3.05	3.03	99	2.17	71	0R	3H	2W	
51.21	54.25	3.04	3.04	100	2.62	86	0R	4H	2W	
54.25	57.30	3.05	3.05	100	1.38	45	0R	4H	1W	
57.30	60.35	3.05	3.03	99	1.50	49	0R	4H	1W	
60.35	63.40	3.05	3.03	99	1.09	36	0R	4H	1W	
63.40	66.45	3.05	3.05	100	2.53	83	0R	4H	1W	
66.45	69.49	3.04	2.7	89	0.67	22	0R	3H	2W	
69.49	72.54	3.05	2.85	93	1.00	33	0R	4H	1W	
72.54	75.61	3.07	2.83	92	0.14	5	0R	2H	2W	
75.61	78.64	3.03	3.03	100	1.06	35	0R	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
7	0.03	GRN	1-6m broken beyond measurement.
8	0.13	GRN	
9	0.14	GRN	
10	0.12	GRN	
11	0	GRN	broken
12	0	GRN	broken
13	0	GRN	broken
14	0.03	GRN	
15	0	GRN	broken
16	0.04	GRN	
17	0.02	GRN	
18	0.01	GRN	
19	0.05	GRN	
20	0.14	GRN	
21	0.03	GRN	
22	0.05	GRN	
23	0.02	GRN	
24	0.1	GRN	
25	0	GRN	
26	0.013	GRN	
27	0.26	GRN	
28	0.17	GRN	
29	0.31	GRN	
30	0.4	GRN	
31	0.04	GRN	
32	0.154	GRN	
33	0	GRN	broken
34	0.03	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
35	0	GRN	broken
36	0.02	GRN	
37	0.03	GRN	
38	0.03	VEN	
39	0	VEN	broken
40	0.35	VEN	
41	0.202	VEN	
42	0.67	VEN	
43	4.01	VEN	
44	0.87	VEN	
45	0.24	VEN	
46	0.18	GRN	
47	0.01	GRN	
48	0	GRN	broken
49	0.136	GRN	
50	0.04	GRN	
51	0.03	GRN	
52	1.54	BXA	
53	0.21	BXA	
54	0.32	BXA	
55	0	BXA	broken
56	2.39	BXA	
57	0.04	VEN	
58	0.19	VEN	
59	0.16	VEN	
60	0.35	GRN	
61	0.03	GRN	
62	0.03	GRN	
63	0.06	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
64	0.18	GRN	
65	0.035	GRN	
66	0.03	GRN	
67	0	GRN	broken
68	0.03	GRN	
69	0.03	GRN	
70	0.04	GRN	
71	0.04	GRN	
72	0.13	GRN	
73	0.03	GRN	
74	0	GRN	broken
75	0	GRN	broken
76	0.03	GRN	
77	0.07	VEN	
78	0.14	GRN	EOH

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
SNP-12-008									
	48.64	14.6	BTW	GRN	557.9	357.1	2.8	2.8	Granite
	53.41	14.4	BTW	BXA	629.7	428.6	3.2	3.1	Breccia
	63.45	14.8	BTW	GRN	593.8	379.3	2.9	2.8	Granite