Keg - Silver Range

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		611413	6924911	1505	84.42

ZONE: Weld

SECTION:

HOLE: WLD-12-001

CLAIM: YE53660

Contractor: Beaudoin

Drill: 2

Core Size: BTW

Casing Depth: 7m, Out

Drilling Dates: Jul 17 - Jul 21, 2012

Geology Logged By: J. Builder

SURVEY			
Depth (m)	Azimuth	Dip	Method
0	142	-45	Compass
80	142	-45	Compass

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	7	7	CAS
7	84.42	77.42	SLT

SAMPLES	
Numbers:	K979101 to K979128, L862711 to L862724
Total:	43
Batch:	021, 051
Certificates:	WH12180690, WH12196549, WH12210692

COMMENTS

Box Log

WLD-12-001

Silver Range
Weld Zone

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Box Number	From (m)	To (m)
1	7	20.2
2	20.2	29.56
3	29.56	37
4	37	42.2
5	42.2	49.35
6	49.35	53.83
7	53.83	57
8	57	63.32
9	63.32	69.09
10	69.09	74.38
11	74.38	78.93
12	78.93	84.42

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	7.00	7.00	-?-	--	Casing, no recovery							
						--	--	---	---	--	--	0
7.00	15.00	8.00	SLT	FG	Weakly oxidized, rubbly, siliceous siltstone with localized clay altered regions. Semi-pervasive quartz infill hosts no visible sulphides.							
						--	GY	RB	OXI	2I	--	0
									CLY	2I		
									SIL	3I		
15.00	20.40	5.40	SLT	FG	Relatively competent, foliated, siliceous siltstone with localized limey regions and weak oxidation evident on fractured surfaces. Few calcareous or siliceous fractures host no visible sulphides.							
						--	GY	FO	OXI	2I	--	0
									CLY	2I		
20.40	32.00	11.60	SLT	FG	Rubbly and locally clay altered siliceous siltstone with pervasive oxidation evident on joints and fractures and intermittent, coarser grained limey regions. Siliceous infilled fractures are semi pervasive and host no visible sulphides.							
						DK	OR	FO	CLY	2I		
						--	GY	RB	OXI	3I	--	0
32.00	37.00	5.00	SLT	FG	Semi-competent, foliated, light to dark grey siliceous siltstone with localized limey regions and pervasive oxidation on joints and fractures. Calcareous fractures occur regularly and generally cross-cut foliations hosting minor pyrrhotite.							
						--	GY	FO	OXI	2I	Po	0.5
								FR				
37.00	38.20	1.20	SLT	FG	Subsection of oxidized, rubbly siliceous siltstone with localized limey regions. Siliceous and calcareous infill is pervasive hosting trace pyrrhotite.							
						DK	OR					
						--	GY	RB	OXI	3I	Po	0.2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
38.20	45.00	6.80	SLT	FG	Light to dark grey, foliated, competent, siliceous siltstone with localized limey regions. Foliations are convoluted or undulating with a general fabric oriented 30° to 40° to core axis. Siliceous and calcareous infill is pervasive seldom hosting fine grained sulphides - pyrrhotite, sphalerite and galena. Weak oxidation is evident from orange staining on joints and fractures.							
						--	GY	FO	OXI	1I	Po	0.5
											Sp	0.1
											Gn	0.1
45.00	52.80	7.80	SLT	FG	Rubbly, light to dark grey siliceous siltstone with weakly calcareous regions and no visible sulphides.							
						--	GY	RB	OXI	2I	--	0
52.80	53.80	1.00	SLT	FG	Dark grey, weakly clay altered, rubbly siltstone with pervasive calcite infill. Region hosts fracture controlled and blebby replacement sulphides - pyrrhotite, pyrite, sphalerite, galena and minor chalcopyrite. Fractures are weakly chlorite altered.							
						DK	GY	RB	CLY	2I	Po	5
											Gn	3
											Cp	0.5
											Py	3
									CHL	2I	Sp	4
53.80	58.00	4.20	SLT	FG	Mostly competent, light to dark grey and light green, foliated siliceous siltstone with localized clay altered, rubbly subsections. Region contains several, weakly chlorite altered calcite fracture fills hosting weak pyrrhotite and pyrite with seldom sphalerite. Fractures tend to cross-cut foliations with a dominant set oriented roughly 50° to core axis.							
						LT	GN		CLY	2I	Py	1
						--	GY	FO	CHL	1I	Po	1
											Sp	0.1
58.00	65.00	7.00	SLT	FG	Potential fault zone? Region is extremely rubbly with few localized clay altered, gougy areas. Weak oxidation is evident on seldom fracture faces. Fracture controlled, blebby sulphides are prevalent in oxidized, clay altered regions (most evident between 61.00m and 63.20m), also possible fault center. Fractures are generally carbonate in composition.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	GY	RB	OXI	1I	Sp	2
								FR	CLY	2I	Py	4
											As	0.5
											Gn	1
											Po	2
65.00	84.42	19.42	SLT	FG	Mostly competent, foliated, light to dark grey siliceous siltstone with several calcareous or siliceous fractures and loaclized limey regions. Foliations are generally planar while fractures are undulating and often discontinuous. Fractures host weak sulphides - commonly pyrite and pyrrhotite and seldom galena and sphalerite. A soft, dark olive green alteration is inconsistently on and around fractured surfaces. A weak correlation can be seen between the alteration and the presence of sphalerite and galena (potentially chlorite and argillic alterations?). Weak bladed arsenopyrite is disseminated in dark, siliceous areas. Limey bands and altered regions range in width from 10cm to 40cm.							
						--	GY	FO	ARG	1I	Sp	0.05
								FR	CHL	1I	Gn	0.01
											Py	2
											Po	1
											As	0.1

Sample Log

WLD-12-001

Silver Range
Weld 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	K979117	12-021	Core	ME8	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K979124	12-021	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	L862714	12-051	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	L862719	12-051	Core	PL1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K979106	12-021	Core		☑	☐	☐
14.30	16.00	1.70	SLT	0.90	53	K979101	12-021	Core		☐	☐	☐
16.00	18.00	2.00	SLT	0.94	47	L862711	12-051	Core		☐	☐	☐
18.00	20.40	2.40	SLT	1.55	65	L862712	12-051	Core		☐	☐	☐
20.40	23.00	2.60	SLT	0.90	35	K979102	12-021	Core		☐	☐	☐
23.00	23.50	0.50	SLT	0.40	80	K979103	12-021	Core		☐	☐	☐
23.50	25.80	2.30	SLT	0.50	22	K979104	12-021	Core		☐	☐	☐
25.80	26.50	0.70	SLT	0.50	71	K979105	12-021	Core		☐	☐	☐
26.50	29.20	2.70	SLT	2.00	74	K979107	12-021	Core		☐	☐	☐
29.20	32.00	2.80	SLT	1.03	37	K979108	12-021	Core		☐	☐	☐
29.20	32.00	2.80	SLT	1.03	37	K979109	12-021	Core		☐	☐	☑
32.00	35.00	3.00	SLT	2.50	83	K979110	12-021	Core		☐	☐	☐
35.00	37.00	2.00	SLT	1.70	85	K979111	12-021	Core		☐	☐	☐
37.00	38.20	1.20	SLT	1.20	100	K979112	12-021	Core		☐	☐	☐
38.20	39.70	1.50	SLT	1.50	100	L862713	12-051	Core		☐	☐	☐
39.70	42.20	2.50	SLT	2.23	89	L862715	12-051	Core		☐	☐	☐
42.20	45.00	2.80	SLT	2.02	72	L862716	12-051	Core		☐	☐	☐
45.00	48.00	3.00	SLT	1.20	40	K979113	12-021	Core		☐	☐	☐
48.00	48.70	0.70	SLT	0.60	86	K979114	12-021	Core		☐	☐	☐
48.70	49.70	1.00	SLT	1.00	100	K979115	12-021	Core		☐	☐	☐
49.70	50.20	0.50	SLT	0.40	80	K979116	12-021	Core		☐	☐	☐
50.20	53.00	2.80	SLT	2.20	79	K979118	12-021	Core		☐	☐	☐
53.00	53.60	0.60	SLT	0.60	100	K979119	12-021	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
53.60	55.00	1.40	SLT	1.00	71	K979120	12-021	Core		☐	☐	☐
55.00	56.50	1.50	SLT	1.50	100	L862717	12-051	Core		☐	☐	☐
56.50	58.00	1.50	SLT	1.50	100	L862718	12-051	Core		☐	☐	☐
58.00	61.00	3.00	SLT	2.50	83	K979121	12-021	Core		☐	☐	☐
61.00	62.80	1.80	SLT	1.30	72	K979122	12-021	Core		☐	☐	☐
62.80	63.30	0.50	SLT	0.40	80	K979123	12-021	Core		☐	☐	☐
63.30	66.20	2.90	SLT	2.60	90	K979125	12-021	Core		☐	☐	☐
66.20	69.20	3.00	SLT	2.90	97	K979126	12-021	Core		☐	☐	☐
69.20	72.20	3.00	SLT	3.00	100	K979127	12-021	Core		☐	☐	☐
69.20	72.20	3.00	SLT	3.00	100	K979128	12-021	Core		☐	☑	☐
72.20	75.20	3.00	SLT	3.00	100	L862720	12-051	Core		☐	☐	☐
75.20	78.20	3.00	SLT	3.00	100	L862721	12-051	Core		☐	☐	☐
78.20	81.20	3.00	SLT	2.94	98	L862722	12-051	Core		☐	☐	☐
81.20	82.30	1.10	SLT	1.10	100	L862723	12-051	Core		☐	☐	☐
82.30	84.42	2.12	SLT	2.04	96	L862724	12-051	Core		☐	☐	☐

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From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	7.00	7.00	0	0	0.00	0	0R	--	--	Casing
7.00	8.22	1.22	1.22	100	0.00	0	0R	4H	2W	Unable to Take Joint Measurements
8.22	11.27	3.05	0.05	2	0.00	0	0R	4H	2W	Unable to Take Joint Measurements
11.27	14.32	3.05	0.25	8	0.00	0	0R	4H	2W	Unable to Take Joint Measurements
14.32	17.37	3.05	1.32	43	0.30	10	0R	3H	2W	
17.37	20.42	3.05	0.79	26	0.39	13	0R	4H	2W	
20.42	23.46	3.04	1	33	0.00	0	0R	4H	3W	Rubble
23.46	26.51	3.05	0.98	32	0.12	4	0R	1H	5W	Rubble
26.51	29.56	3.05	2.36	77	0.40	13	0R	4H	3W	
29.56	32.61	3.05	0.94	31	0.11	4	0R	3H	5W	
32.61	35.66	3.05	2.69	88	0.40	13	0R	4H	2W	
35.66	38.70	3.04	2.98	98	0.46	15	0R	4H	2W	
38.70	41.75	3.05	2.95	97	2.00	66	0R	4H	3W	
41.75	44.80	3.05	2.37	78	1.68	55	0R	4H	2W	
44.80	47.85	3.05	0.98	32	0.11	4	0R	4H	2W	
47.85	50.90	3.05	2.94	96	0.29	10	0R	3H	2W	
50.90	53.94	3.04	1.26	41	0.33	11	0R	3H	1W	Rubble
53.94	56.99	3.05	2.49	82	0.30	10	0R	4H	1W	
56.99	60.04	3.05	2.88	94	0.22	7	0R	4H	1W	
60.04	63.09	3.05	1.3	43	0.00	0	0R	3H	1W	Rubble
63.09	66.14	3.05	1.3	43	0.00	0	0R	4H	1W	
66.14	69.18	3.04	2.88	95	1.44	47	0R	4H	1W	
69.18	72.23	3.05	2.76	90	2.24	73	0R	4H	1W	
72.23	75.28	3.05	2.81	92	1.91	63	0R	4H	1W	
75.28	78.33	3.05	2.9	95	0.89	29	0R	4H	1W	
78.33	81.38	3.05	2.99	98	1.45	48	0R	4H	1W	
81.38	84.42	3.04	2.79	92	1.89	62	0R	4H	1W	

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Depth (m)	Magnetic Susceptibility	Rock Type	Comments
0	0	CAS	Rubble up to 17m
16	0	SLT	Rubble
17	0.326	SLT	
18	0	SLT	Rubble up to 29 m
29	1.656	SLT	
30	0	SLT	Rubble
31	0	SLT	Rubble
32	0.88	SLT	
33	0.493	SLT	
34	1.162	SLT	
35	1.071	SLT	
36	0.523	SLT	
37	0.395	SLT	
38	1.065	SLT	
39	1.385	SLT	
40	0.161	SLT	
41	0.771	SLT	
42	0.623	SLT	
43	0.88	SLT	
44	0.898	SLT	
45	1.47	SLT	
46	0	SLT	Rubble
47	0	SLT	Rubble
48	0	SLT	Rubble
49	2.855	SLT	
50	1.848	SLT	
51	0.688	SLT	
52	0	SLT	Rubble up to 66 m
66	0.288	SLT	

Depth (m)	Magnetic Susceptibility	Unit	Comments
67	0.945	SLT	
68	1.151	SLT	
69	1.007	SLT	
70	1.557	SLT	
71	0.342	SLT	
72	1.091	SLT	
73	0.854	SLT	
74	1.062	SLT	
75	0	SLT	Rubble
76	0.512	SLT	
77	0.177	SLT	
78	0.016	SLT	
79	1.319	SLT	
80	0.966	SLT	
81	1.343	SLT	
82	3.313	SLT	
83	0.869	SLT	
84	0.903	SLT	

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
WLD-12-001									
	11.9	11.5	BTW	SLT	428.4	271.7	2.7	2.7	Dark to medium grey chert
	41.9	14.3	BTW	SLT	531.6	333.3	2.7	2.7	Sheared and moderately oxidized chert
	72.45	14.8	BTW	SLT	552.9	350.9	2.7	2.7	Sheared and moderately oxidized chert