Keg - Silver Range

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		595522	6918027	1638.06	197.2

ZONE: Hammer

SECTION: 9+620

HOLE: HAM-12-018

CLAIM: YD155444

Contractor: Platinum

Drill: 1

Core Size: NQ

Casing Depth: 4.85m, Out

Drilling Dates: Jul 22 - Jul 24, 2012

Geology Logged By: G. Titley

SURVEY			
Depth (m)	Azimuth	Dip	Method
0	78	-45	Compass
60.1	81	-46.4	Ranger

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.85	4.85	CAS
4.85	29.6	24.75	GRN
29.6	67.6	38	DIO
67.6	72.8	5.2	GRN
72.8	95.2	22.4	DIO
95.2	118	22.8	GRN
118	136.6	18.6	GRN
136.6	197.2	60.6	GRN

SAMPLES	
Numbers:	L840922 to L840941, L862700 to L862706
Total:	30
Batch:	019, 020, 045
Certificates:	WH12177494, WH12183398, WH12207209

COMMENTS

Box Log

HAM-12-018

Silver Range
Hammer Zone

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Box Number	From (m)	To (m)
1	4.85	10.58
2	10.58	16.14
3	16.14	21.79
4	21.79	26.86
5	26.86	32.35
6	32.35	37.88
7	37.88	43.35
8	43.35	49.05
9	49.05	54.55
10	54.55	60.1
11	60.1	65.61
12	65.61	71.15
13	71.15	76.6
14	76.6	82.03
15	82.03	87.47
16	87.47	92.84
17	92.84	98.49
18	98.49	104.15
19	104.15	109.58
20	109.58	115
21	115	120
22	120	125
23	125	130.14
24	130.14	135.71
25	135.71	141.36
26	141.36	147.15
27	147.15	152.81
28	152.81	158.41
29	158.41	164.14
30	164.14	169.91
31	169.91	175.7
32	175.7	181.45
33	181.45	187.22
34	187.22	192.58
35	192.58	197.2

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	4.85	4.85	CAS	--	Casing.							
						--	--	---	---	--	--	0
4.85	29.60	24.75	GRN	MG	Greenish tinged granite with carbonate and clay infilled fractures at 45° at a frequency of 10/m.							
						MD	GY	PH	SER	2I	--	0
						MD	GN		ARG	2I		
29.60	67.60	38.00	DIO	MG	Diorite with 2-4mm large hornblende crystals and with 1-3mm thick calcite and clay infilled dark grey-greenish fractures at 20-45° TCA.							
						DK	GY	PH	ARG	1I	Py	1
						DK	GN					
67.60	67.76	0.16	GRN	MG	Granite with up to 50cm long bleached sections as well as white and pink carbonates mixed with clay minerals on fractures.							
						MD	GY	PH	BLE	3I	--	0
						LT	GY		ARG	2I		
									SIL	1I		
67.76	67.77	0.01	QVN	MG	Laminated quartz vein with black powdery (oxide+sulphide?) mineralisation as well as manganese oxides.							
						MD	GY	LA	OXI	2I	Un	20
									SIL	4I		
67.77	72.80	5.03	GRN	MG	Granite with up to 50cm long bleached sections as well as white and pink carbonates mixed with clay minerals on fractures.							
						MD	GY		ARG	2I		
						LT	GY	PH	BLE	3I	Ox	1
									SIL	2I		
72.80	95.20	22.40	GRN	MG	Diorite with 2-4mm large hornblende crystals and with 1-3mm thick calcite and clay infilled dark grey-greenish fractures at 20-45° TCA.							
						DK	GY	PH	ARG	1I	Py	1
						DK	GN					
95.20	118.00	22.80	GRN	MG	Granite with dendritic manganese oxides on fractures with clay and calcite and pink tinged carbonates common on fractures.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PH	ARG	1I	--	0
118.00	130.20	12.20	GRN	MG	With manganese oxide stains on fractures at 10-45° TCA with 1mm of clay and calcite gouge. Where the manganese staining is stronger, the gouge is yellow, orange and with lesser calcite.							
						LT	GY	PH	OXI	3I	--	0
						LT	RD		ARG	2I		
130.20	131.20	1.00	GRN	MG	Strongly oxidized granite with black oxide/sulphide mineralisation on fractures and disseminated throughout.							
						LT	RD	PH	OXI	4I	Un	1
									ARG	2I	Ox	1
131.20	131.26	0.06	ARG	FG	16cm fracture infilled with white gouge on its lower contact lies 2mm of black oxides and a 5mm intensely oxidized envelope.							
						LT	GY	EA	ARG	5I	--	0
						LT	WH		OXI	3I		
131.26	132.00	0.74	GRN	MG	Strongly bleached, weakly oxidized granite with weak manganese oxides.							
						LT	GY	PH	OXI	2I	Ox	2
									BLE	4I		
132.00	132.06	0.06	QVN	CG	Vuggy, 3cm thick quartz vein at 50° TCA with up to 3mm large euhedral quartz crystals visible inside the vugs. A very-fine grained, compact black mass of sulphides and oxides makes up roughly a fifth of the vein. Orange, reddish and earthy oxides also occur within the vugs.							
						MD	GY	VU	OXI	4I	Un	20
						LT	RD					
						DK	BK					
132.06	135.09	3.03	GRN	MG	Strongly oxidized and manganese oxide stained granite with common barren quartz veinlets less than 5mm thick at random orientations.							
						LT	RD	PH	OXI	4I	Un	3
						LT	GY		ARG	1I		
									SIL	3I		
135.09	135.42	0.33	GRN	MG	Laminated quartz vein with 50% granite included within. Heavily manganese oxide and other oxide (and sulphide?) stained with red iron-oxides on joints.							
						LT	RD	PH	OXI	3I	Un	3

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	LA	SIL	5I		
135.42	136.60	1.18	GRN	MG	Strongly oxidized and manganese oxide stained granite with common barren quartz veinlets less than 5mm thick at random orientations.							
						LT	RD	PH	OXI	4I	Un	2
						LT	GY		ARG	1I		
									SIL	3I		
136.60	180.52	43.92	GRN	MG	Medium grey granite.							
						MD	GY	PH	OXI	1I	--	0
180.52	180.65	0.13	QVN	MG	Branched rhodochrosite-quartz vein with main branch at 45° TCA containing up to 1cm large sphalerite blebs as well as up to 1mm galena blebs and disseminated chalcopyrite.							
						LT	PK	VT	---	--	Sp	5
						LT	GY				Gn	1
											Cp	0.1
180.65	180.70	0.05	GRN	MG	Medium grey granite.							
						MD	GY	PH	---	--	--	0
180.70	180.75	0.05	QVN	MG	A succession of less than 1cm thick rhodochrosite veinlets at 30° TCA alternating with granite.							
						MD	GY	VT	SIL	5I	Un	30
						LT	GY					
						LT	PK					
180.75	184.80	4.05	GRN	MG	Medium grey granite.							
						MD	GY	PH	---	--	--	0
184.80	184.82	0.02	QVN	MG	Vuggy, 55% rhodochrosite, 15% quartz vein at 45° TCA with <1cm sphalerite and galena blebs as well as <3mm chalcopyrite blebs, pyrite spherules.							
						LT	PK	VU	---	--	Sp	20
						LT	GY				Gn	5
											Py	3
											Cp	2
184.82	191.50	6.68	GRN	MG	Medium grey granite.							
						MD	GY	PH	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
191.50	192.50	1.00	GRN	MG	Separation with up to 2cm large megacrysts of feldspar, quartz and muscovite.							
						MD	GY	PH	---	--	--	0
						LT	GY					
192.50	197.20	4.70	GRN	MG	Medium grey granite.							
						MD	GY	PH	---	--	--	0

HAM-12-018

Silver Range
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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	L840937	12-020	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	L840925	12-019	Core	ME8	☐	☐	☐
116.00	118.00	2.00	GRN	1.90	95	L840922	12-019	Core		☐	☐	☐
118.00	120.00	2.00	GRN, GRN	1.90	95	L840923	12-019	Core		☐	☐	☐
120.00	122.00	2.00	GRN	1.95	98	L840924	12-019	Core		☐	☐	☐
122.00	124.00	2.00	GRN	2.00	100	L840926	12-019	Core		☐	☐	☐
124.00	127.00	3.00	GRN	3.00	100	L840927	12-019	Core		☐	☐	☐
127.00	129.20	2.20	GRN	2.10	95	L840928	12-019	Core		☐	☐	☐
129.20	131.00	1.80	GRN	1.70	94	L840929	12-019	Core		☐	☐	☐
131.00	131.90	0.90	GRN	0.90	100	L840930	12-019	Core		☐	☐	☐
131.90	132.40	0.50	GRN	0.50	100	L840931	12-019	Core		☐	☐	☐
131.90	132.40	0.50	GRN	0.50	100	L840932	12-019	Core		☐	☐	☑
132.40	133.20	0.80	GRN	0.80	100	L840933	12-019	Core		☐	☐	☐
133.20	135.00	1.80	GRN	1.25	69	L840934	12-019	Core		☐	☐	☐
135.00	135.50	0.50	GRN	0.50	100	L840935	12-020	Core		☐	☐	☐
135.50	136.60	1.10	GRN	1.00	91	L840936	12-020	Core		☐	☐	☐
136.60	139.60	3.00	GRN, GRN	3.00	100	L840938	12-020	Core		☐	☐	☐
139.60	142.60	3.00	GRN	3.00	100	L840939	12-020	Core		☐	☐	☐
178.10	179.10	1.00	GRN	0.98	98	L862700	12-045	Core		☐	☐	☐
179.10	180.10	1.00	GRN	0.93	93	L862701	12-045	Core		☐	☐	☐
180.10	180.90	0.80	GRN	0.80	100	L840940	12-020	Core		☐	☐	☐
180.90	181.90	1.00	GRN	1.00	100	L862702	12-045	Core		☐	☐	☐
181.90	183.50	1.60	GRN	1.60	100	L862703	12-045	Core		☐	☐	☐
183.50	184.50	1.00	GRN	0.99	99	L862704	12-045	Core		☐	☐	☐
184.50	185.00	0.50	GRN	0.50	100	L840941	12-020	Core		☐	☐	☐
185.00	186.00	1.00	GRN	0.93	93	L862705	12-045	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
186.00	187.00	1.00	GRN	0.97	97	L862706	12-045	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.18	5.18	0.33	6	0.00	0	0R	4H	1W	
5.18	8.22	3.04	2.35	77	0.99	33	0R	4H	1W	
8.22	11.27	3.05	3	98	2.15	70	0R	4H	1W	
11.27	14.32	3.05	2.99	98	1.85	61	0R	4H	1W	
14.32	17.37	3.05	3.05	100	2.07	68	0R	4H	1W	
17.37	23.46	6.09	6.09	100	2.46	40	0R	4H	1W	Missing block
23.46	26.51	3.05	2.83	93	1.93	63	0R	4H	1W	
26.51	29.56	3.05	2.87	94	1.65	54	0R	4H	1W	
29.56	32.61	3.05	2.83	93	0.48	16	0R	4H	1W	
32.61	35.66	3.05	2.95	97	2.00	66	0R	4H	1W	
35.66	38.70	3.04	2.88	95	2.01	66	0R	4H	1W	
38.70	41.75	3.05	3.05	100	2.46	81	0R	4H	1W	
41.75	44.80	3.05	3.05	100	2.52	83	0R	4H	1W	
44.80	47.85	3.05	3	98	2.26	74	0R	4H	1W	
47.85	50.90	3.05	3	98	2.22	73	0R	4H	1W	
50.90	53.94	3.04	2.99	98	1.34	44	0R	4H	1W	
53.94	56.99	3.05	2.94	96	2.19	72	0R	4H	1W	
56.99	60.04	3.05	2.93	96	1.99	65	0R	4H	1W	
60.04	63.09	3.05	3.05	100	1.73	57	0R	4H	1W	
63.09	66.14	3.05	3.05	100	1.25	41	0R	4H	1W	
66.14	69.18	3.04	2.96	97	1.87	62	0R	4H	1W	
69.18	72.23	3.05	2.97	97	1.72	56	0R	4H	1W	
72.23	75.28	3.05	2.8	92	1.19	39	0R	4H	1W	
75.28	78.33	3.05	2.93	96	1.50	49	0R	4H	1W	
78.33	81.38	3.05	2.88	94	1.67	55	0R	4H	1W	
81.38	84.42	3.04	3.04	100	1.17	38	0R	4H	1W	
84.42	87.47	3.05	3.05	100	1.36	45	0R	4H	1W	
87.47	90.52	3.05	2.97	97	1.52	50	0R	4H	1W	
90.52	93.57	3.05	2.86	94	0.33	11	0R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
93.57	96.62	3.05	3.05	100	2.00	66	0R	4H	1W	
96.62	99.66	3.04	2.93	96	2.34	77	0R	4H	1W	
99.66	102.71	3.05	2.84	93	2.16	71	0R	4H	1W	
102.71	105.76	3.05	2.97	97	1.92	63	0R	4H	1W	
105.76	108.81	3.05	2.95	97	2.21	72	0R	4H	1W	
108.81	111.86	3.05	2.98	98	1.14	37	0R	4H	1W	
111.86	114.91	3.05	3.05	100	2.07	68	0R	4H	1W	
114.91	117.95	3.04	2.92	96	0.92	30	0R	4H	1W	
117.95	121.00	3.05	2.75	90	0.46	15	0R	4H	1W	
121.00	124.05	3.05	2.71	89	1.40	46	0R	4H	1W	
124.05	127.10	3.05	2.83	93	1.37	45	0R	4H	1W	
127.10	130.14	3.04	2.83	93	0.70	23	0R	4H	1W	
130.14	133.19	3.05	2.95	97	1.18	39	0R	4H	1W	
133.19	136.24	3.05	2.96	97	1.49	49	0R	4H	1W	
136.24	139.29	3.05	3.05	100	2.61	86	0R	4H	1W	
139.29	142.34	3.05	3.05	100	2.94	96	0R	4H	1W	
142.34	145.38	3.04	2.99	98	2.43	80	0R	4H	1W	
145.38	148.43	3.05	2.99	98	2.60	85	0R	4H	1W	
148.43	151.48	3.05	3.05	100	2.71	89	0R	4H	1W	
151.48	154.53	3.05	2.97	97	1.00	33	0R	4H	1W	
154.53	157.58	3.05	3.05	100	2.68	88	0R	4H	1W	
157.58	160.62	3.04	3.04	100	2.25	74	0R	4H	1W	
160.62	163.67	3.05	3.05	100	2.65	87	0R	4H	1W	
163.67	166.72	3.05	3.05	100	2.47	81	0R	4H	1W	
166.72	169.77	3.05	2.99	98	2.80	92	0R	4H	1W	
169.77	172.82	3.05	3.05	100	2.78	91	0R	4H	1W	
172.82	175.86	3.04	3.04	100	3.04	100	0R	4H	1W	
175.86	178.91	3.05	3.05	100	2.77	91	0R	4H	1W	
178.91	181.96	3.05	3.05	100	3.05	100	0R	4H	1W	
181.96	185.01	3.05	3.05	100	2.58	85	0R	4H	1W	
185.01	188.06	3.05	3	98	2.70	89	0R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
188.06	191.11	3.05	3.05	100	2.64	87	0R	4H	1W	
191.11	194.15	3.04	3.04	100	2.82	93	0R	4H	1W	
194.15	197.20	3.05	2.98	98	2.84	93	0R	4H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	CAS	OVB
2	0	CAS	OVB
3	0	CAS	OVB
4	0	CAS	OVB
5	0	GRN	OVB
6	0	GRN	OVB
7	0.14	GRN	
8	0.22	GRN	
9	0	GRN	
10	0.16	GRN	
11	0.14	GRN	
12	0.29	GRN	
13	0.13	GRN	
14	0.15	GRN	
15	0.18	GRN	
16	0.16	GRN	
17	0.15	GRN	
18	0.15	GRN	
19	0	GRN	
20	0.1	GRN	
21	0.19	GRN	
22	0.11	GRN	
24	0.13	GRN	
25	0.05	GRN	
26	0.14	GRN	
27	0.19	GRN	
28	0.16	GRN	
29	0.32	GRN	
30	0.37	DIO	

Depth (m)	Magnetic Susceptibility	Unit	Comments
31	5.65	DIO	
32	1.92	DIO	
33	0.57	DIO	
34	0.66	DIO	
35	0.58	DIO	
37	0.67	DIO	
38	0.63	DIO	
39	0.59	DIO	
40	0.44	DIO	
41	0.44	DIO	
43	0.45	DIO	
44	0.31	DIO	
45	0.42	DIO	
46	0.74	DIO	
47	0.5	DIO	
48	0.41	DIO	
49	0.5	DIO	
50	0.59	DIO	
52	0.64	DIO	
52	0.56	DIO	
53	0.47	DIO	
54	0.39	DIO	
55	0.44	DIO	
56	0.54	DIO	
57	0.42	DIO	
58	0.4	DIO	
59	0.38	DIO	
60	0.38	DIO	
61	0.39	DIO	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
62	0.4	DIO	
63	0.3	DIO	
64	0.49	DIO	
65	0.44	DIO	
66	0.53	DIO	
67	2.44	DIO	
68	0.14	GRN	
69	0.21	GRN	
70	0.15	GRN	
71	0.2	GRN	
72	0.26	GRN	
73	1.85	DIO	
74	0.61	DIO	
75	0.5	DIO	
77	0.46	DIO	
78	0.74	DIO	
79	0.44	DIO	
80	0.58	DIO	
81	0.55	DIO	
82	0.58	DIO	
83	0.7	DIO	
84	0.98	DIO	
85	0.55	DIO	
86	0.63	DIO	
87	0.53	DIO	
88	0.63	DIO	
89	0.52	DIO	
91	0.54	DIO	
92	0.54	DIO	
93	0.7	DIO	
94	2.24	DIO	
95	0.68	DIO	
96	0.16	GRN	
97	0.68	GRN	
98	0.13	GRN	
99	0.13	GRN	
100	0.13	GRN	
101	0.15	GRN	
102	0.33	GRN	
103	0.15	GRN	
104	0.15	GRN	
105	0.14	GRN	
106	0.03	GRN	
107	0.22	GRN	
108	0.15	GRN	
109	0.16	GRN	
110	0.17	GRN	
111	0.09	GRN	
112	0.13	GRN	
113	0.06	GRN	
114	0.31	GRN	
115	0.21	GRN	
116	0.1	GRN	
117	0.29	GRN	
118	0.12	GRN	
118	0.12	GRN	
119	0.12	GRN	
120	0.18	GRN	
121	0.138	GRN	
122	0.5	GRN	
123	0.111	GRN	
124	0.347	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
125	0.208	GRN	
126	0.233	GRN	
127	0.13	GRN	
128	0.299	GRN	
129	0.374	GRN	
130	0	GRN	N/A broken?
131	0.268	GRN	
132	0.148	GRN	
133	0.068	GRN	
134	0.086	GRN	
135	0.118	GRN	
136	0.181	GRN	
137	0.207	GRN	
138	0.111	GRN	
139	0.094	GRN	
140	0.037	GRN	
141	0.133	GRN	
142	0.105	GRN	
143	0.11	GRN	
144	0.688	GRN	
145	0.111	GRN	
146	0.1	GRN	
147	0.14	GRN	
148	0.044	GRN	
149	0.097	GRN	
150	0.097	GRN	
151	0.102	GRN	
152	0.13	GRN	
153	0.16	GRN	
154	0.123	GRN	
155	0.059	GRN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
156	0.2	GRN	
157	0.2	GRN	
158	0.07	GRN	
159	0.121	GRN	
160	0.103	GRN	
161	0.052	GRN	
162	0.548	GRN	
163	0.195	GRN	
164	0.135	GRN	
165	0.202	GRN	
166	0.163	GRN	
167	0.185	GRN	
168	0.089	GRN	
169	0.167	GRN	
170	0.181	GRN	
171	0.103	GRN	
172	0.114	GRN	
173	0.157	GRN	
174	0.013	GRN	
175	0.139	GRN	
176	0.13	GRN	
177	0.133	GRN	
178	0.12	GRN	
179	0.135	GRN	
180	0.138	GRN	
181	0.128	GRN	
182	0.14	GRN	
183	0.164	GRN	
184	0.133	GRN	
185	0.044	GRN	
186	0.151	GRN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
187	0.01	GRN	
188	0.155	GRN	
189	0.146	GRN	
190	0.295	GRN	
191	0.023	GRN	
192	0.013	GRN	
193	0.022	GRN	
194	0.136	GRN	
195	0.064	GRN	
196	0.201	GRN	
197	0.026	GRN	

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
HAM-12-018									
	10	14.8	BTW	GRN	780.2	486.3	3.8	2.7	Granite
	31.6	14.9	BTW	DIO	814	514.2	4.0	2.7	Diorite
	47.1	14.7	BTW	DIO	796.5	502.5	4.0	2.7	Diorite
	80	14.8	BTW	DIO	806.3	510	4.0	2.7	Diorite
	99	14.8	BTW	GRN	786.3	489.3	3.9	2.7	Granite
	121.8	14.7	BTW	GRN	777.9	481.7	3.9	2.6	Granite
	150.9	14.6	BTW	GRN	774.4	481.1	3.9	2.6	Granite