

BOLT PROPERTY

ZONE: _____

SECTION:

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
2+75E	8+00N	446105	6819559	1500	152.70

HOLE: BOLT-10-04

CLAIM: Bolt 3 YC73900

Contractor: Top Rank Diamond Drilling Ltd

Drill: JKS-300

Core size: NTW

Casing depth: 4.87 (m) in / out

Drilling dates: July 26th to July 30th, 2010

Geology logged by: Oliver Fu

TARGET:

[illegible]

SUMMARY

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	4.87	4.87	OVB	Overburden.
4.87	8.50	3.63	FLT	Fault scarp.
8.50	12.40	3.90	ULT	Serpentinized ultramafic.
12.40	17.78	5.38	BXA	Heterolithic breccia.
17.78	25.60	7.82	ULT	Serpentinized ultramafic.
25.60	26.85	1.25	BXA	Heterolithic breccia.
26.85	31.25	4.40	ULT	Serpentinized ultramafic.
31.25	61.85	30.60	BXA	Altered breccia.
61.85	64.00	2.15	BXA	Clay altered breccia.
64.00	109.62	45.62	BXA	Altered breccia.
109.62	116.60	6.98	LGAB	Leucogabbro
116.60	140.51	23.91	VOL	Heterolithic mafic volcanic
140.51	142.51	2.00	ULT	Serpentinized ultramafic.
142.51	152.70	10.19	BXA	Altered heterolithic breccia.
EOH				

SAMPLES

Numbers: J981552 to J981577

Total: 26

Batch: 3

Date Sent: October 15, 2010

Certificate: WH10150834

COMMENTS

GEOLOGY LOG

HOLE: BOLT-10-04

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS					Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/	Oxidation	Jasper	Epidote		Other		Pyrite			Other			Other		
																	Type	Intensity				Type			Intensity		
0.00	4.87	4.87				OVB																				Overburden. 20 cm recovered	
																										Fault scarp. Sharp discontinuous contacts between competent sections. Very poor recovery. Competent sections are between 8 to 15 cm long, and mainly consist of an altered volcanic breccia. Few brecciated sections show fluid migration textures. Fault scarp consists of a rubbly conglomerate, matrix supported with fragments between 2 to 30 mm wide. Note: The interval between 6.4 to 7.5 m shows the a transition from fault to fault scarp (common when in close proximity to hydrothermal systems - Don Murphy, YGS).	
4.87	8.50	3.63							FLT																		
8.50	12.40	3.90				ULT							t					CHL	w							Black with a greenish tinge, medium grained, moderately to strongly magnetic, weakly serpentinized ultramafic. Light beige alteration occurs on fractures surfaces (possibly a precursor to serpentinization?). The alteration is non-carbonaceous, soft and mushy.	
12.40	17.78	5.38				BXA												CHL	m							Light green, slightly bleached, poorly sorted heterolithic breccia. Weakly chloritized fragments	
																		SER	w								
17.78	25.60	7.82				ULT							t													Black with a greenish tinge, medium grained, moderately to strongly magnetic, weakly serpentinized ultramafic. Light beige alteration occurs on fractures surfaces (possibly a precursor to serpentinization?). The alteration is non-carbonaceous, soft and mushy.	
25.60	26.85	1.25				BXA												CHL	m							Light green, slightly bleached, poorly sorted heterolithic breccia. Weakly chloritized fragments	
																		SER	w								
26.85	31.25	4.40				ULT												CHL	m							Black with a greenish tinge, medium grained, moderately to strongly magnetic, moderately	
																		CLY	s								

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (to)	Attitude (fr)	Density (frequency)	Oxidation	Jasper	Epidote		Other	Pyrite			Other	Other			
																	Type				Type	Intensity	Type	Intensity	
31.25	61.85	30.60				BXA							t	w			SIL s SER w K w CHL w	t							Altered greenish-grey breccia with abundant tension gashes. Gashes are infilled with a soft, dark mineral (chlorite?). Chlorite and epidote veins are common. Light purplish-grey with a slightly dark center, subrounded mineral occurs in clusters (?). Fine grained pyrite crystals are disseminated throughout. The unit has undergone several alteration events. It is strongly silicified and hard. White quartz veins are scattered throughout and range in size between 2 to 10 mm.
61.85	64.00	2.15				BXA											CLY m CHL m K m								Pale green, bleached and altered breccia. Entire zone is soft and moderately clay altered. Light pink potassic alteration occurs interstitially and on fractured surfaces. Lithic fragments are vaguely visible and appear chloritized.
64.00	109.62	45.62				BXA								w			SIL s SER t K s	f							Medium to dark green, hard, poorly sorted heterolithic breccia. Unit is silicified and contains few white quartz veins between 2 to 10 mm wide. Clasts are subangular to rounded. Few fractured surfaces show minor signs of sericite alteration. Pyrite is fine grained, subhedral to euhedral and disseminated. Epidote and potassic pulses occur alongside each other.
			87.00	109.62	22.62	BXA							t	s			CHL s SIL s CLY w	f							Dark green heterolithic mafic breccia. Chloritized clasts are medium to dark green and commonly occur within an epidote altered zone. Tension gashes are scattered throughout and filled with a dark green mineral (chlorite?). Few soft, clay altered zones contain fine to medium grained disseminated pyrite. Epidote alteration occurs interstitially between clasts. Chlorite is also abundant on fractured surfaces.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/	Oxidation	Jasper	Epidote		Other		Pyrite			Other				Other	
																	Type	Intensity				Type	Intensity			Type	Intensity
109.62	116.60	6.98				LGAB											CHL	m	w							Dark grey and pale to medium green, equigranular, coarse grained leucogabbro with disseminated pyrite. Plagioclase crystals are subhedral to anhedral, white and surrounded by a dark green chloritic halo. Pyrite is fine grained.	
			112.10	116.60	4.50																					Interfingering of an altered heterolithic mafic breccia and a leucogabbro.	
116.60	140.51	23.91				BXA									s		CHL	s								Dark green heterolithic mafic breccia. Chloritized clasts are medium to dark green and commonly occur within an epidote altered zone. Tension gashes are scattered throughout and filled with a dark green mineral (chlorite?). Few soft, clay altered zones contain fine to medium grained disseminated pyrite. Epidote alteration occurs interstitially between clasts. Chlorite is also abundant on fractured surfaces. Locally hematized fractured surfaces.	
																	SIL	s									
			121.54	123.10	1.56	ULT											CLY	m								Dark green to black, moderately serpentinized, moderately magnetic ultramafic with clay altered zones.	
																	CHL	m									
			123.20	131.78	8.58	BXA											SIL	s								Heterolithic mafic breccia interfingering with an altered breccia. This unit shows scattered epidote and potassic altered zones.	
																	CHL	w									
																	K	w									
																					</						

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/	Oxidation	Jasper	Epidote		Other		Pyrite			Other		Other		
																	Type	Intensity				Type	Intensity	Type		
142.51	152.70	10.19				BXA									s		CHL	m	w							Medium to dark green, poorly sorted, alterec heterolithic breccia. Epidote occurs interstitially between clasts. Chloritized clasts are common. Pyrite is medium grained and disseminated throughout.
EOH																										
																										Note: Between the ultramafic and breccia units, slickensides are abundant. Contacts between both units are sharp and show no alteration nor interfingering (uncommon). Tension gashes are common. Definitely a faulted system.

Sample Log

Hole: BOLT-10-04

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Comments
41.45	44.50	3.05	1.90	62	J981552	3	<0.005	<0.2	74	7	83	Broken up section
44.50	47.55	3.05	2.70	89	J981553	3	<0.005	<0.2	164	<2	103	Broken up section
47.55	50.59	3.04	1.95	64	J981554	3	<0.005	<0.2	60	<2	98	Broken up section
50.59	53.64	3.05	1.75	57	J981555	3	<0.005	<0.2	82	<2	71	Broken up section
-	-	-	-	-	J981556	3	0.256	100	6480	9860	5100	Standard CDN-ME-6
67.36	70.41	3.05	3.05	100	J981557	3	<0.005	<0.2	84	8	87	
70.41	73.46	3.05	3.05	100	J981558	3	<0.005	<0.2	73	2	137	
73.46	76.50	3.04	3.40	112	J981559	3	<0.005	<0.2	70	<2	80	
76.50	79.55	3.05	3.05	100	J981560	3	<0.005	<0.2	102	<2	86	
79.55	82.60	3.05	3.05	100	J981561	3	0.007	0.3	470	2	350	
82.60	85.64	3.04	3.04	100	J981562	3	<0.005	<0.2	77	<2	85	
-	-	-	-	-	J981563	3	<0.005	<0.2	5	<2	18	Blank
85.64	88.69	3.05	3.05	100	J981564	3	<0.005	<0.2	115	<2	100	
88.69	91.74	3.05	3.05	100	J981565	3	<0.005	0.2	230	2	137	
109.62	112.10	2.48	2.48	100	J981566	3	<0.005	<0.2	6	<2	15	
112.10	115.10	3.00	3.00	100	J981567	3	<0.005	<0.2	74	<2	28	Leucogabbro
115.10	118.10	3.00	2.65	88	J981568	3	<0.005	<0.2	77	<2	62	
134.03	136.40	2.37	2.37	100	J981569	3	0.028	0.6	929	14	341	
136.40	138.40	2.00	2.00	100	J981570	3	<0.005	<0.2	64	<2	80	
138.40	140.51	2.11	2.11	100	J981571	3	<0.005	<0.2	51	6	50	
138.40	140.51	2.11	2.11	100	J981572	3	<0.005	<0.2	52	3	47	Duplicate
140.51	142.51	2.00	2.00	100	J981573	3	<0.005	<0.2	28	<2	21	
142.51	145.51	3.00	3.00	100	J981574	3	<0.005	0.3	102	3	87	
145.51	148.51	3.00	3.00	100	J981575	3	<0.005	<0.2	69	8	86	
-	-	-	-	-	J981576	3	0.226	150	2630	46700	49200	Standard CDN-ME-7
148.51	152.70	4.19	4.19	100	J981577	3	<0.005	<0.2	62	5	75	End sample

MAGNETIC SUSCEPTIBILITY LOG

HOLE: BOLT-10-04

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00			N/A	
4.00			N/A	
5.00			15.50	
6.00			0.62	
7.00			1.44	
8.00			0.75	
9.00			92.60	
10.00			19.70	
11.00			33.10	
12.00			5.41	
13.00			0.42	
14.00			0.67	
15.00			0.43	
16.00			0.45	
17.00			0.56	
18.00			22.00	
19.00			79.00	
20.00			58.90	
21.00			72.20	
22.00			18.60	
23.00			18.80	
24.00			3.12	
25.00			0.75	
26.00			0.53	
27.00			0.36	
28.00			0.56	
29.00			0.69	
30.00			0.56	
31.00			0.34	
32.00			0.31	
33.00			0.62	
34.00			0.58	
35.00			0.51	
36.00			0.45	
37.00			0.42	
38.00			0.18	
39.00			0.71	
40.00			0.62	
41.00			0.53	
42.00			0.23	
43.00			0.42	
44.00			0.65	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.54	
46.00			0.76	
47.00			0.54	
48.00			0.53	
49.00			0.47	
50.00			0.25	
51.00			0.42	
52.00			0.47	
53.00			0.34	
54.00			N/A	
55.00			0.42	
56.00			0.47	
57.00			0.53	
58.00			0.58	
59.00			0.51	
60.00			0.32	
61.00			0.47	
62.00			0.29	
63.00			0.65	
64.00			0.51	
65.00			0.43	
66.00			0.51	
67.00			0.71	
68.00			0.80	
69.00			0.53	
70.00			0.76	
71.00			0.78	
72.00			0.71	
73.00			0.73	
74.00			0.78	
75.00			0.56	
76.00			0.45	
77.00			0.47	
78.00			0.53	
79.00			0.56	
80.00			0.56	
81.00			0.53	
82.00			0.65	
83.00			0.62	
84.00			0.60	
85.00			0.47	
86.00			0.58	
87.00			0.21	
88.00			0.62	
89.00			0.60	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
90.00			0.51	
91.00			0.65	
92.00			0.65	
93.00			0.62	
94.00			0.71	
95.00			59.70	
96.00			5.01	
97.00			2.78	
98.00			0.86	
99.00			0.96	
100.00			0.93	
101.00			0.96	
102.00			0.86	
103.00			0.98	
104.00			0.82	
105.00			0.98	
106.00			1.02	
107.00			0.91	
108.00			1.37	
109.00			0.93	
110.00			0.21	
111.00			1.22	
112.00			0.71	
113.00			0.89	
114.00			0.49	
115.00			0.60	
116.00			0.56	
117.00			0.62	
118.00			9.20	
119.00			1.24	
120.00			0.95	
121.00			4.11	
122.00			63.70	
123.00			0.75	
124.00			0.76	
125.00			0.45	
126.00			0.86	
127.00			0.98	
128.00			2.01	
129.00			0.78	
130.00			0.71	
131.00			1.26	
132.00			56.90	
133.00			63.40	
134.00			68.20	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
135.00			28.00	
136.00			30.80	
137.00			1.13	
138.00			0.64	
139.00			0.82	
140.00			1.26	
141.00			10.10	
142.00			47.30	
143.00			0.91	
144.00			0.54	
145.00			0.86	
146.00			0.73	
147.00			0.84	
148.00			0.56	
149.00			0.67	
150.00			0.78	
151.00			0.71	
152.00			0.71	
EOH				

GEOTECHNICAL LOG

HOLE: BOLT-10-04

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	4.87	4.87	0.15	3	0	0		SW	
4.87	6.40	1.53	0.49	32	0.23	15		SW	
6.40	7.92	1.52	0.93	61	0.20	13		SW	
7.92	9.44	1.52	0.85	56	0.00	0		SW	
9.44	10.97	1.53	1.20	78	0.20	13		FR	
10.97	12.49	1.52	1.30	86	0.23	15		FR	
12.49	14.02	1.53	1.35	88	1.18	77		FR	
14.02	15.54	1.52	1.50	99	0.85	56		FR	
15.54	17.06	1.52	1.30	86	1.20	79		FR	
17.06	18.59	1.53	1.36	89	0.78	51		FR	
18.59	20.12	1.53	1.35	88	0.75	49		FR	
20.12	21.64	1.52	1.50	99	1.15	76		FR	
21.64	23.16	1.52	1.50	99	1.21	80		FR	
23.16	24.68	1.52	1.27	84	1.23	81		FR	
24.68	26.21	1.53	1.37	90	0.97	63		FR	
26.21	27.73	1.52	1.12	74	0.71	47		SW	
27.73	29.26	1.53	0.80	52	0.55	36		MW	
29.26	30.78	1.52	1.20	79	0.85	56		SW	
30.78	32.31	1.53	1.43	93	1.15	75		FR	
32.31	33.83	1.52	1.50	99	1.10	72		FR	
33.83	35.55	1.72	1.32	77	0.71	41		FR	
35.55	36.89	1.34	1.40	104	1.40	104		FR	
36.89	38.40	1.51	1.25	83	0.91	60		FR	
38.40	39.92	1.52	1.52	100	0.00	0		FR	
39.92	41.45	1.53	1.33	87	0.00	0		FR	
41.45	42.97	1.52	1.05	69	0.10	7		SW	
42.97	44.50	1.53	1.25	82	0.12	8		SW	
44.50	46.50	2.00	1.32	66	0.00	0		SW	
46.50	47.55	1.05	1.30	124	0.28	27		SW	
47.55	49.07	1.52	1.52	100	0.00	0		SW	
49.07	50.59	1.52	1.52	100	0.14	9		SW	
50.59	52.12	1.53	0.93	61	0.27	18		FR	
52.12	53.64	1.52	0.79	52	0.00	0		FR	
53.64	55.16	1.52	0.55	36	0.00	0		FR	
55.16	56.69	1.53	1.26	82	0.60	39		FR	
56.69	58.21	1.52	1.53	101	1.17	77		FR	
58.21	59.74	1.53	1.30	85	0.53	35		FR	
59.74	61.26	1.52	0.87	57	0.10	7		FR	
61.26	62.78	1.52	1.20	79	0.39	26		FR	
62.78	64.31	1.53	1.50	98	0.60	39		FR	
64.31	65.83	1.52	1.60	105	1.60	105		FR	
65.83	67.36	1.53	1.53	100	0.13	8		FR	
67.36	68.88	1.52	2.10	138	1.90	125		FR	
68.88	70.40	1.52	1.57	103	1.57	103		FR	
70.40	71.93	1.53	1.53	100	1.47	96		FR	
71.93	73.45	1.52	1.47	97	1.47	97		FR	
73.45	74.98	1.53	1.53	100	0.63	41		FR	
74.98	76.50	1.52	1.56	103	1.56	103		FR	
76.50	78.02	1.52	1.41	93	1.41	93		FR	
78.02	79.55	1.53	1.62	106	1.62	106		FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
79.55	81.08	1.53	1.50	98	1.50	98		FR	
81.08	82.6	1.52	1.50	99	1.45	95		FR	
82.60	84.13	1.53	1.52	99	1.52	99		FR	
84.13	85.64	1.51	1.53	101	1.53	101		FR	
85.64	87.17	1.53	1.58	103	1.58	103		FR	
87.17	88.69	1.52	1.52	100	1.52	100		FR	
88.69	90.22	1.53	1.51	99	1.51	99		FR	
90.22	91.74	1.52	1.52	100	0.64	42		FR	
91.74	93.27	1.53	1.52	99	1.45	95		FR	
93.27	94.79	1.52	1.42	93	1.28	84		FR	
94.79	96.31	1.52	0.90	59	0.11	7		FR	
96.31	97.84	1.53	1.15	75	0.00	0		FR	
97.84	99.36	1.52	1.52	100	1.37	90		FR	
99.36	100.89	1.53	1.12	73	0.80	52		FR	
100.89	102.41	1.52	1.46	96	1.46	96		FR	
102.41	103.94	1.53	1.47	96	1.41	92		FR	
103.94	105.46	1.52	0.33	22	0.27	18		FR	
105.46	106.98	1.52	1.27	84	0.66	43		FR	
106.98	108.50	1.52	1.80	118	1.18	78		FR	
108.50	110.03	1.53	1.40	92	1.20	78		FR	
110.03	111.56	1.53	1.40	92	1.40	92		FR	
111.56	113.08	1.52	1.34	88	0.49	32		FR	
113.08	114.60	1.52	1.41	93	0.77	51		FR	
114.60	116.13	1.53	1.46	95	1.02	67		FR	
116.13	117.65	1.52	1.35	89	0.38	25		FR	
117.65	119.18	1.53	1.25	82	0.47	31		FR	
119.18	120.70	1.52	1.47	97	0.90	59		FR	
120.70	122.22	1.52	1.20	79	0.12	8		FR	
122.22	123.75	1.53	1.21	79	0.34	22		FR	
123.75	125.27	1.52	0.98	64	0.78	51		FR	
125.27	126.80	1.53	1.55	101	1.51	99		FR	
126.80	128.32	1.52	1.65	109	1.25	82		FR	
128.32	129.84	1.52	1.02	67	0.53	35		FR	
129.84	131.37	1.53	1.05	69	0.15	10		FR	
131.37	132.89	1.52	1.43	94	1.05	69		FR	
132.89	134.40	1.51	1.55	103	1.55	103		FR	
134.40	135.94	1.54	1.53	99	1.50	97		FR	
135.94	137.46	1.52	1.28	84	1.03	68		FR	
137.46	138.99	1.53	1.28	84	0.63	41		FR	
138.99	140.51	1.52	1.54	101	1.51	99		FR	
140.51	142.03	1.52	1.47	97	0.75	49		FR	
142.03	143.56	1.53	1.46	95	1.11	73		FR	
143.56	145.08	1.52	1.44	95	1.41	93		FR	
145.08	146.61	1.53	1.50	98	1.32	86		FR	
146.61	148.13	1.52	1.45	95	1.45	95		FR	
148.13	149.66	1.53	1.48	97	1.43	93		FR	
149.66	151.18	1.52	1.50	99	1.42	93		FR	
151.18	152.70	1.52	1.48	97	1.48	97		FR	
EOH									

BOX LOG

HOLE: BOLT-10-04

BOX	FROM (m)	TO (m)
1	0.00	10.55
2	10.55	14.60
3	14.60	18.59
4	18.59	22.77
5	22.77	26.75
6	26.75	31.25
7	31.25	35.23
8	35.23	38.88
9	38.88	44.20
10	44.20	48.25
11	48.25	53.64
12	53.64	57.82
13	57.82	62.34
14	62.34	65.96
15	65.96	70.33
16	70.33	74.34
17	74.34	78.42
18	78.42	82.54
19	82.54	86.65
20	86.65	90.86
21	90.86	95.10
22	95.10	99.65
23	99.65	103.94
24	103.94	109.30
25	109.30	113.51
26	113.51	117.45
27	117.45	121.20
28	121.20	125.69
29	125.69	129.20
30	129.20	133.80
31	133.80	137.70
32	137.70	141.65
33	141.65	145.73
34	145.73	149.82
35	149.82	152.70
EOH		