

BOLT PROPERTY

ZONE: _____

SECTION:

Grid East	Grid North	Easting	Northing	Elev. (m)	Depth (m)
		446147	6819268	1485	128.32

HOLE: BOLT-10-05

CLAIM: Bolt 3 YC73900

Contractor: Top Rank Diamond Drilling Ltd

Drill: JKS-300

Core size: NTW

Casing depth: 3.88 (m) in / out

Drilling dates: July 30th to August 2nd, 2010

Geology logged by: Oliver Fu

[illegible]

TARGET:

[illegible]

SAMPLES
Numbers: J981578 to J981604
Total: 27
Batch: 3, 4
Date Sent: _____
Certificate: WH10150834, WH10156633

COMMENTS	

GEOLOGY LOG

HOLE: BOLT-10-05

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
0.00	3.88	3.88				OVB																				Overburden. 17 cm recovered. Broken fragments of intensely epidote and jasper altered green breccia.	
																										Dark green to black with white speckles, altered, coarse grained leucogabbro. Locally megacrystic. Fractures are weakly oxidized and manganese stained. Few chloritized zones. Note: This unit is very similar to the LGAB unit in hole Bolt-10-04 - except the plagioclase crystals show no sign of green chlorite overprinting.	
3.88	28.30	24.42				LGAB												CHL	m							Bright turquoise-green malachite staining occurs on a fractured surface.	
			14.02	14.50	0.48	LGAB																Mc	w			Intensely clay altered leucogabbro. Weakly oxidized and granular.	
			27.00	28.30	1.30								w					CLY	i							Bright turquoise-green malachite staining occurs interstitially and on a fractured surface.	
			27.74	27.80	0.06								w					CLY	i				Mc	m			
																										Pale green and spotty white, coarse grained, equigranular, serpentized leucogabbro. Alteration intensity does not show a gradual change. Rather sharp contacts that show numerous changes in the rock, such as chloritization, serpentization, and changes in grain size. Most amphiboles and pyroxenes have been chloritized. Plagioclase crystals vary in size from medium grained to megacrystalline. Locally quartz-flooded. Few feldspars have a purplish-pink tinge on their crystal faces(?). Dendritic manganese stained zones are common and scattered throughout.	
28.30	73.46	45.16				LGAB												SIL	s							Intensely clay altered, soft clay altered zone	
			72.09	73.46	1.37								w					CLY	i								
																										Black with a greenish tinge, moderately soft ultramafic with a weak crackled texture. White, scintery asbestos occurs at the upper contact, and pieces range in size from 1-3 cm. Weakly serpentized on fractured surfaces. Locally clay altered. Half the unit is competent while the other half is rubbly and broken up.	
73.46	128.32	54.86				ULT												CLY	w							Light purplish-blue tinge occurs on fractured surfaces. Serpentinization is mainly observed on fractured surfaces. Clay altered zones have a carbonaceous coating on most fractures. This coating strongly effervesces.	
			78.50	128.32	49.82	ULT												CLY	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	Intensity
EOH																			CAR	w							

Sample Log

Hole: BOLT-10-05

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Comments
3.88	6.40	2.52	2.50	99	J981578	3	<0.005	0.2	148	5	31	
6.40	9.45	3.05	3.00	98	J981579	3	<0.005	<0.2	133	2	25	
9.45	12.50	3.05	3.05	100	J981580	3	<0.005	<0.2	227	4	33	
12.50	14.02	1.52	1.52	100	J981581	3	<0.005	<0.2	225	<2	39	
14.02	15.54	1.52	1.45	95	J981582	3	<0.005	<0.2	295	3	41	
-	-	-	-	-	J981583	3	<0.005	<0.2	4	2	14	Blank
15.54	17.07	1.53	1.52	99	J981584	3	<0.005	<0.2	170	2	39	
17.07	20.12	3.05	3.05	100	J981585	3	<0.005	<0.2	104	<2	31	
20.12	23.16	3.04	3.05	100	J981586	3	<0.005	<0.2	166	<2	40	
23.16	26.21	3.05	3.05	100	J981587	4	<0.005	<0.2	67	<2	28	
26.21	27.74	1.53	1.35	88	J981588	4	<0.005	<0.2	121	<2	34	
27.74	28.74	1.00	0.90	90	J981589	4	<0.005	0.3	1985	<2	45	Malachite on fracture in clay altered zone
-	-	-	-	-	J981590	4	<0.005	<0.2	16	<2	17	Blank
28.74	30.78	2.04	1.54	75	J981591	4	<0.005	<0.2	188	<2	27	
30.78	33.83	3.05	1.55	51	J981592	4	<0.005	0.2	675	<2	41	
33.83	36.88	3.05	2.30	75	J981593	4	<0.005	<0.2	209	<2	46	
36.88	39.93	3.05	3.05	100	J981594	4	<0.005	<0.2	268	<2	43	
39.93	42.98	3.05	3.05	100	J981595	4	<0.005	<0.2	82	<2	21	
-	-	-	-	-	J981596	4	2.090	14.7	5010	237	13100	Standard CDN-ME-2
42.98	46.02	3.04	3.04	100	J981597	4	<0.005	<0.2	133	<2	43	
46.02	49.07	3.05	3.05	100	J981598	4	<0.005	<0.2	116	<2	30	
49.07	52.12	3.05	3.05	100	J981599	4	<0.005	<0.2	68	<2	24	
68.88	72.09	3.21	3.21	100	J981600	4	<0.005	<0.2	179	<2	26	
72.09	73.46	1.37	1.37	100	J981601	4	<0.005	0.2	20	<2	31	
73.46	76.50	3.04	3.04	100	J981602	4	<0.005	0.4	15	<2	40	
76.50	79.55	3.05	3.05	100	J981603	4	<0.005	0.2	27	<2	25	
90.22	93.27	3.05	3.05	100	J981604	4	0.006	<0.2	15	<2	25	

GEOTECHNICAL LOG

HOLE: Bolt-10-05

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	3.70	3.70	0.00	0	0	0			
3.70	4.88	1.18	1.18	100	0.14	12			
4.88	6.40	1.52	1.37	90	1.37	90			
6.40	7.92	1.52	1.48	97	1.03	68			
7.92	9.45	1.53	1.46	95	0.96	63			
9.45	10.97	1.52	1.50	99	0.82	54			
10.97	12.50	1.53	1.38	90	0.25	16			
12.50	14.02	1.52	1.37	90	0.47	31			
14.02	15.54	1.52	1.40	92	0.35	23			
15.54	17.07	1.53	1.39	91	0.53	35			
17.07	18.59	1.52	1.50	99	1.02	67			
18.59	20.12	1.53	1.50	98	1.12	73			
20.12	21.64	1.52	1.39	91	0.47	31			
21.64	23.16	1.52	1.43	94	0.75	49			
23.16	24.69	1.53	1.80	118	1.58	103			
24.69	26.21	1.52	1.28	84	1.18	78			
26.21	27.74	1.53	1.60	105	0.52	34			
27.74	29.26	1.52	2.32	153	0.40	26			
29.26	30.74	1.48	NO SAMPLE						
30.74	32.31	1.57	0.70	45	0.00	0			
32.31	33.83	1.52	1.20	79	0.11	7			
33.83	35.36	1.53	0.76	50	0.22	14			
35.36	36.88	1.52	1.50	99	0.74	49			
36.88	38.40	1.52	1.42	93	0.12	8			
38.40	39.93	1.53	1.41	92	0.46	30			
39.93	41.45	1.52	1.42	93	0.84	55			
41.45	42.98	1.53	1.53	100	1.35	88			
42.98	44.50	1.52	1.43	94	0.38	25			
44.50	46.02	1.52	1.52	100	0.49	32			
46.02	47.55	1.53	1.45	95	0.73	48			
47.55	49.07	1.52	1.47	97	0.83	55			
49.07	50.60	1.53	1.36	89	1.03	67			
50.60	52.12	1.52	1.46	96	1.10	72			
52.12	53.64	1.52	1.51	99	1.43	94			
53.64	55.17	1.53	1.44	94	0.79	52			
55.17	56.69	1.52	1.43	94	0.73	48			
56.69	58.22	1.53	1.42	93	0.52	34			
58.22	59.74	1.52	1.45	95	0.56	37			
59.74	61.26	1.52	1.19	78	0.52	34			
61.26	62.79	1.53	1.36	89	0.38	25			
62.79	64.31	1.52	1.32	87	0.75	49			
64.31	65.84	1.53	1.75	114	1.40	92			
65.84	67.36	1.52	1.38	91	0.68	45			
67.36	68.88	1.52	1.48	97	0.93	61			
68.88	70.41	1.53	1.38	90	0.98	64			
70.41	71.93	1.52	1.33	87	0.98	64			
71.93	73.46	1.53	1.50	98	0.27	18			
73.46	74.98	1.52	0.84	55	0.00	0			
74.98	76.50	1.52	1.20	79	0.33	22			
76.50	78.03	1.53	1.15	75	0.00	0			

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
78.03	79.55	1.52	1.44	95	0.26	17			
79.55	81.08	1.53	1.50	98	0.50	33			
81.08	82.60	1.52	1.27	84	0.00	0			
82.60	84.12	1.52	0.70	46	0.00	0			
84.12	85.65	1.53	0.45	29	0.00	0			
85.65	87.17	1.52	0.15	10	0.00	0			
87.17	88.70	1.53	0.65	42	0.00	0			
88.70	90.22	1.52	0.80	53	0.11	7			
90.22	91.74	1.52	1.43	94	0.76	50			
91.74	93.27	1.53	1.27	83	1.10	72			
93.27	94.79	1.52	0.61	40	0.00	0			
94.79	96.32	1.53	0.47	31	0.00	0			
96.32	97.84	1.52	1.03	68	0.00	0			
97.84	99.36	1.52	0.60	39	0.00	0			
99.36	100.89	1.53	0.14	9	0.00	0			
100.89	102.41	1.52	0.57	38	0.00	0			
102.41	103.94	1.53	0.34	22	0.00	0			
103.94	105.46	1.52	0.47	31	0.00	0			
105.46	106.98	1.52	0.12	8	0.00	0			
106.98	108.50	1.52	0.76	50	0.00	0			
108.50	110.03	1.53	1.03	67	0.12	8			
110.03	111.25	1.22	1.30	107	0.39	32			
111.25	113.08	1.83	1.13	62	0.40	22			
113.08	114.60	1.52	0.60	39	0.00	0			
114.60	116.13	1.53	0.33	22	0.00	0			
116.13	117.65	1.52	0.35	23	0.00	0			
117.65	119.18	1.53	0.47	31	0.00	0			
119.18	120.70	1.52	0.26	17	0.00	0			
120.70	122.22	1.52	0.18	12	0.00	0			
122.22	123.75	1.53	0.28	18	0.00	0			
123.75	125.27	1.52	0.88	58	0.00	0			
125.27	126.80	1.53	0.50	33	0.00	0			
126.80	128.32	1.52	0.40	26	0.00	0			
EOH									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: BOLT-10-05

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00			N/A	
4.00			0.86	
5.00			0.43	
6.00			0.43	
7.00			0.32	
8.00			0.32	
9.00			0.20	
10.00			0.42	
11.00			0.49	
12.00			0.38	
13.00			0.43	
14.00			0.51	
15.00			0.36	
16.00			0.32	
17.00			0.32	
18.00			0.42	
19.00			0.27	
20.00			0.36	
21.00			0.38	
22.00			0.45	
23.00			0.38	
24.00			0.64	
25.00			0.38	
26.00			0.73	
27.00			0.31	
28.00			0.45	
29.00			0.12	
30.00			N/A	
31.00			0.34	
32.00			0.36	
33.00			0.32	
34.00			0.34	
35.00			0.29	
36.00			0.34	
37.00			0.54	
38.00			0.53	
39.00			0.43	
40.00			0.32	
41.00			0.36	
42.00			0.21	
43.00			0.36	
44.00			0.75	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.32	
46.00			0.51	
47.00			0.27	
48.00			1.29	
49.00			1.33	
50.00			0.84	
51.00			0.96	
52.00			0.43	
53.00			0.54	
54.00			0.27	
55.00			0.16	
56.00			0.38	
57.00			0.29	
58.00			0.29	
59.00			0.28	
60.00			0.34	
61.00			0.38	
62.00			0.29	
63.00			0.25	
64.00			0.71	
65.00			0.23	
66.00			0.34	
67.00			0.56	
68.00			0.34	
69.00			0.32	
70.00			0.32	
71.00			0.34	
72.00			0.40	
73.00			0.31	
74.00			0.32	
75.00			0.54	
76.00			21.30	
77.00			1.35	
78.00			48.20	
79.00			39.00	
80.00			21.30	
81.00			35.10	
82.00			61.10	
83.00			43.40	
84.00			54.20	
85.00			42.50	
86.00			25.50	
87.00			87.60	
88.00			50.00	
89.00			44.80	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
90.00			133.00	
91.00			81.00	
92.00			77.00	
93.00			75.00	
94.00			46.70	
95.00			60.50	
96.00			132.00	
97.00			95.20	
98.00			103.00	
99.00			33.60	
100.00			59.50	
101.00			62.50	
102.00			44.00	
103.00			57.50	
104.00			42.70	
105.00			36.40	
106.00			50.90	
107.00			51.60	
108.00			57.10	
109.00			86.60	
110.00			75.40	
111.00			74.60	
112.00			62.20	
113.00			103.00	
114.00			65.70	
115.00			87.90	
116.00			96.50	
117.00			58.00	
118.00			62.50	
119.00			55.00	
120.00			101.00	
121.00			83.30	
122.00			66.20	
123.00			71.30	
124.00			71.40	
125.00			203.00	
126.00			200.00	
127.00			114.00	
128.00			112.00	
EOH				

BOX LOG

HOLE: Bolt-10-05

BOX	FROM (m)	TO (m)
1	3.70	7.78
2	7.78	11.65
3	11.65	15.70
4	15.70	19.87
5	19.87	24.00
6	24.00	27.74
7	27.74	33.00
8	33.00	37.40
9	37.40	41.45
10	41.45	45.35
11	45.35	49.12
12	49.12	53.25
13	53.25	57.05
14	57.05	61.00
15	61.00	65.00
16	65.00	68.80
17	68.80	72.80
18	72.80	77.00
19	77.00	80.98
20	80.98	88.15
21	88.15	92.70
22	92.70	99.36
23	99.36	108.35
24	108.35	112.45
25	112.45	118.90
26	118.90	126.00
27	126.00	128.32
EOH		