

LEA PROPERTY

ZONE: _____	Grid East	Grid North	Easting	Northing	Elev. (m)	Depth (m)
			410296	6827429	1370	139.60

SECTION: _____

HOLE: LEA-10-01

CLAIM: YC73908-YC73919

Contractor: Top Rank Diamond Drilling Ltd

Drill: JKS-300

Core size: NTW and BTW

Casing depth: 6.10 (m) in / out

Drilling dates: July 6th to July 8th, 2010

TARGET: Lead anomaly

Geology logged by: Oliver Fu

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	180	-50.0	compass				

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	6.10	6.10	OVb	Overburden
6.10	67.90	61.80	SCH	Quartz chlorite schist with cross-cutting granodiorite dykes
67.90	137.30	69.40	SCH	Quartz sericite muscovite schist with interfingering shaley layers
137.30	139.60	2.30	MSED	Quartzo feldspathic meta-sedimentary unit with interfingering shaley graphitic layers
EOH				

SAMPLES
Numbers: E146906 to E146922
Total: 17
Batch: 1
Date Sent: September 20th, 2010
Certificate: WH10135270

COMMENTS
The hole intersected a thick sequence of altered schist. The types of alteration encountered were carbonate, chlorite, and sericite. Pyrite was disseminated throughout the entire hole. Granodiorite and felsic dykes cross-cut the main lithologies. No VMS mineralization was encountered. The hole reached its planned depth and was shut down.

GEOLOGY LOG

HOLE: LEA-10-01

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/m)	Chlorite	Carbonate	Sericite	Silicification	Other		Pyrite				Type	Intensity			Type	Other		
																	Type	Intensity										Type	Intensity	
0.00	6.10	6.10				OVB																						Overburden. 20 cm recovered. Rounded pebbles.		
																													Grey to medium forest green, coarse to medium grained, soft, fissile, quartz-chlorite schist with intermittent cross-cutting granodiorite dykes. Well developed foliation and greasy along foliation planes. Fine to medium grained euhedral, cubic pyrite. Pyrite is disseminated throughout, slightly tarnished and mainly follows foliation planes. Few needle-like mafics remain, while 95% have been chloritized. Few local zones have undergone minor to strong clay alteration (faint remnant foliation in these zones). Clay altered zones typically host augen-like, lenticular quartz crystals between 0.2-0.9 mm. Quartz augens also occur along foliation planes as lenses between 1-2 mm wide. Crenulation cleavage occurs locally in zones between 1-3 cm wide (i.e., 17.15m). Trace carbonate alteration occurs on fractured surfaces.	
6.10	67.90	61.80				SCH			FO	82			i	w					CLY	m	s									Rusty limonite occurs interstitially along fractured surfaces. Local zones have undergone quartz flooding. Black, graphitic scintery material occurs interstitially throughout.
			6.10	8.70	2.60	SCH			FO	82			s							w					Li	s				
			7.62	8.10	0.48	GRD			DY				m	f						f										
			17.40	17.99	0.59	GRD			ICN	72			m	f						f										
									uCN	55																				Grey, medium grained, hard, equigranular, weakly foliated granodiorite dyke with disseminated pyrite. Needle-like biotite crystals have undergone weak chloritization. Few coarse grained mafics remain. Sharp lower and upper contacts. First sign of quartz-eyes. Rounded to subrounded and between 1-3 mm.
			22.20	57.50	35.30	SCH																								
			24.25	24.64	0.39	GRD			ICN	70			m	f						f										
			31.37	31.87	0.50				uCN	60										f										
						GRD																								Grey, medium grained, hard, equigranular, weakly foliated granodiorite dyke with disseminated pyrite. Needle-like biotite crystals have undergone weak chloritization. Few coarse grained mafics remain. Sharp lower and upper contacts.
									ICN	70																				

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/m)	Chlorite	Carbonate	Sericite	Silicification	Other		Pyrite				Type	Intensity			Type	Intensity
																	Type	Intensity										
			38.30	40.95	2.65	FEL			DY				f	m						f								Light greenish-beige, medium to coarse grained, quartzo-feldspathic dyke. Weakly foliated with sharp upper and lower contacts. Roughly 30-35% of mafics have altered to chlorite. White, deformed, subrounded feldspar crystals are numerous and scattered throughout. Patchy white, soft carbonate mineral occurs mainly on fractured surfaces and strongly effervesces. Upper contact has undergone minor clay alteration.
			40.95	139.60	98.65										m													Peachy-white, pervasive sericite alteration. Most noticeable on quartz crystals and lenses.
			42.94	43.84	0.90	GRD									m					f								Same unit as 31.37-31.87 m. First sign of sericite alteration. Pyrite is disseminated. Very weak foliation.
			43.84	45.71	1.87	SCH							w		m					m								Quartz-sericite schist with abundant quartz-eyes.
			45.71	46.91	1.20	GRD			uCN 60 ICN 55						m					f								Same unit as 31.37-31.87 m. Moderately sericite altered. Pyrite is disseminated. Very weak foliation.
			46.91	57.50	10.59	SCH																						Quartz-sericite schist with abundant quartz-eyes. Section is mainly broken up with few 2-30 cm competent sections. A white, non-calcareous clay-like coating occurs on fractured surfaces. Dark grey graphite occurs mainly on fractured surfaces, occasionally interstitial. Overall foliation is weak, locally strong in graphite-rich zones. Interval has undergone moderate sericite and weak chlorite alteration.
			57.50	69.19	11.69	SCH							w		m					m								
67.90	137.30	69.40				SCH							w		s	m				ms								Light greenish-beige to tan, medium to coarse grained, moderate to strong foliation, quartz-sericite-muscovite schist with interfingering shaley layers. Pyrite is fine to medium grained, mainly disseminated and occurs as subhedral to euhedral cubic crystals. Peachy sericite alteration occurs throughout, mainly as a secondary coating or as 1 to <1 mm stringers. Black shaley layers/seams occur interstitially - these zones are local and distinct. Foliation surrounds quartz crystals and lenses (lenticular to lathe shaped). Quartz is abundant and not syngenetic.

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/m)	Chlorite	Carbonate	Sericite	Silicification	Other		Pyrite				Other				Other	
																	Type	Intensity					Type	Intensity			Type	Intensity
			78.21	79.40	1.19																							Rubbly, broken up section with dark grey graphitic seams.
			82.20	83.20	1.00																						Chlorite alteration intensity increases to strong. The dark forest green alteration occurs alongside pale buff cultured sericite altered zones. Interval is moderately hard and has silicified. Moderate to strong foliation.	
			84.40	96.75	12.35	SCH							s		s	m			ms								Dark forest green, fine to medium grained chloritic dyke speckled with fine grained sericite altered patches. Top 20 cm of dyke is intensely sericite altered, producing a dense buff to dark peachy colour. White pasty, patchy, soft and non-calcareous minerals occurs in clumps interstitially and on fractured surfaces. Weakly foliated and fragmental (fragments are randomly oriented and oblique compared to foliation). Weakly clay altered at lower contact.	
			104.90	105.60	0.70				DY				i		i												Weakly brecciated and moderately deformed meta schist. A remnant foliation is still apparent in local zones.	
			110.50	137.30	26.80	SCH			DE																			
			114.78	114.90	0.12	GRD			DY				m		w												Greenish with a pinkish tinge, medium grained, equigranular granodiorite(?) dyke. Mafics have been altered to chlorite. Feldspar crystals are deformed and show a peachy sericite halo around its borders. Sharp lower contact to the dyke beneath (no physical break in the core itself).	
			114.90	115.31	0.41				DY	uCN	44																Same dark forest green chloritic dyke as 104.9 to 105.6 m.	
										ICN	44																	
			127.00	136.42	9.42	SCH			DE				s		s		CLY	w									Deformation and alteration increase to strong. Local zones are weakly clay altered. Shaley graphitic layers are abundant and between <1 to 2 mm wide. Possibly a meta-sedimentary unit (intrusion into wet sediment?). Fragments occurring obliquely to the foliation occur throughout.	
			127.41	128.50	1.09				DY					w			CLY	m	f								Dark grey, medium grained, brecciated, clay altered quart-rich dyke with disseminated pyrite. Graphitic seams are abundant. Few carbonate infilled vugs.	

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INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
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																	Type	Intensity					Type	Intensity				
137.30	139.60	2.30				MSED			FO	62					w		CLY	w										Light greenish-tan, fine to medium grained, well foliated quartzo-feldspathic meta-sedimentary unit with shaley graphitic layers. Quartz-eyes are faint. Altered feldspar crystals are abundant and white. Peachy sericite stringers occur throughout.
EOH																												