

ARN PROPERTY

ZONE: _____	Grid East	Grid North	Easting	Northing	Elev. (m)	Depth (m)
			512247	6872060	1962	157.58

SECTION: _____

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	230	-45	compass				

TARGET: Oriented to scissor hole ARN-10-02

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	2.13	2.13	OVb	Overbuden
2.13	109.00	106.87	AND	Andesite
40.10	40.45	0.35		Chlorite vein @ 40 deg.
49.13	51.45	2.32		Chlorite vein @ 35 deg.
109.00	157.58	48.58	AND	Altered andesite
EOH				

HOLE: ARN-10-03

CLAIM: YC25989

Contractor: Top Rank Drilling

Drill: JKS 300

Core size: BTW

Casing depth: 2.13 (m) in / out

Drilling dates: _____

Geology logged by: Oliver Fu

SAMPLES
Numbers: G0558734 to G0558794
Total: 61
Batch: 3, 4
Date Sent: _____
Certificate: WH10100509, WH10103514

COMMENTS

GEOLOGY LOG

HOLE ARN-10-03

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	Epidote	Oxidation	Other		Pyrite	Chalcopyrite	Magnetite	Other		Other					
																Type	Intensity				Type	Intensity	Type	Intensity				
0.00	2.13	2.13				OVB																				Overburden. No recovery.		
																											Light green porphyritic andesite with 1-2 mm feldspar and mafic phenocrysts. Feldspar phenocrysts are white and lathe-shaped. Interval has undergone epidotization.	
2.13	3.90	1.77				AND								s		w			w									
3.90	101.00	97.10				AND								w		w			w								Andesite with large clasts and few felsic-rich sections with cross-cutting dykes. Matrix is fine grained with coarse grained mafic and 1-2 mm carbonate veinlets. Pyrite is disseminated and interstitial. Clasts are creamy to dark green. Veinlets are 1-2 mm and weakly oxidized.	
				40.10	40.45	0.35				VN	40			m													Green, aphanitic chlorite altered vein with weakly disseminated pyrite and few carbonate veinlets (1 mm).	
				49.13	51.45	2.32				VN	35			m													Slightly porphyritic and chlorite altered andesite.	
																											Few chlorite veins with pyrite and pyrrhotite at their center.	
				89.00	99.00	10.00				VN				m					w			Po	w				Weakly skarnified section. Moderately oxidized with evidence of metasomatism. Minor pyrite and chalcopyrite occur in veinlets. Black, soft speckled mineral occurs interstitially and along fractures (non-magnetic).	
				101.10	101.35	0.25	SKN									m-s			w	w								
109.00	157.58	48.58				AND								m-s	w-m	w			w	w							Altered andesite. Alteration increases with depth. Matrix is aphanitic in most areas and locally coarse grained with pink lathe-shaped clasts. Chalcopyrite and pyrite occur adjacent to each other in strongly altered sections.	
				117.66	117.96	0.30				DY						w			f-w			Po	w				Felsic dyke with minor disseminated pyrite and pyrrhotite. Few oxidized hairline fractures.	
				122.23	123.53	1.30	AND			CTC	25								t-w	t-w		Po	w				Bleached andesite with coarse grained mafics and disseminated chalcopyrite, pyrite and pyrrhotite. Upper contact at 60°, and lower contact at 25°.	
				128.74	129.07	0.33	AND			CTC	25																Porphyritic andesite with 1-2 mm feldspar phenocrysts and interstitial pyrite and pyrrhotite. Upper and lower contacts at 25°.	
				133.65	144.23	10.58				VN	50						car	w	t			Po	t				Altered andesite with pyrite and pyrrhotite veins (1-3 mm). Few 1-4 mm carbonate stringers.	
				152.12	152.22	0.10				VN	50																Chlorite altered vein.	
				152.32	152.42	0.10				VN	20																Chlorite altered vein.	
				152.90	153.00	0.10				VN	20																Chlorite altered vein.	
				153.37	153.74	0.37										s											Strongly oxidized section with coarse grained mafic and interstitial carbonate alteration. No visible sulphides. Intense limonitic staining.	
				154.34	154.44	0.10																					Bleached chlorite altered vein with disseminated pyrite and pyrrhotite.	
EOH																												