



HOLE NUMBER: WH-11-01
 Logged by: Lindsay Smith from November 4th - 10th, 2011
 Drilled by: CoreTech Diamond Drilling from November 3rd - 9th, 2011

Location: Claim # ,
 UTM Collar: 519639 mE, 5634294.5 mN,
 Whitemud Area
 Core Size: NQ2

dip: -54.8deg azimuth: 321deg		Structure						Minerals II(%)						Alteration				Description				ROCK CODE	WRITTEN LOG				
FROM	TO	structure 1	structure 2	attitude 1	attitude 2	depth 1 (m)	depth 2 (m)	Magnetite	Hematite	Pyrite	Pyrrhotite	Arsenopyrite	Chalcopyrite	type 1	intensity 1	type 2	intensity 3	colour 1	colour 2	texture	modifier						
(m)	(m)																										
0	23.47																						20	Overburden/casing			
23.47	39.22	wk fol	st fol	90	80	24	26			trc				amphibolite	mod									3	Fine grained to aphanitic schist. Rare 20-40cm bands of more schistose beds with abundant (~80%) 3-4mm muscovite and biotite crystals with strong foliation. Pyrite and carbonate coating rare fracture faces and as blebs near top of unit. From 30-39.22m granite and K-feldspar rich pegmatite dykes 50-10cm thick are abundant and schistosity increases. Lower contact gradational and marked by dyke swarm.		
		mod fol	dyke	70	70	30	31																				
		mod fol	mod fol	70	60	33	35																				
		wk fol		50		39																					
39.22	43.26	wk fol	wk fol	65	60	40	42																	7	Grey granite (20%biotite- 40%quartz-30%white feldspar-9%sericite-1%garnet) medium grained, equigranular with qtz 1-2mm garnets scattered throughout, Crosscutting granite at variable wavy (50-90°) angles are 7, 5-20cm thick. Pegmatite dykes (60% pink feldspar-30%quartz-5%biotite-5%sericite). Lower contact sharp at 70° tca. Rare 10-30cm thick schist clasts throughout unit.		
43.26	50.9	st fol		75		50								amphibolite	wk										3	Fine grained aphanitic, weakly foliated schist/metasediment. Abundant fine-coarse grained biotite-muscovite, more coarse grained schistose bands with stronger foliation, increase proximal to lower contact. Lower contact sharp and sheared at 60° tca.	
50.9	52.5																								11	Shear zone, almost mylonitic. Biotite, muscovite, quartz and feldspar in parallel foliation bands ~ 0.5mm thick, gneissic texture. Isoclinal folding throughout. Lower contact sharp at 60° tca, defined by 10cm quartz-white feldspar, pegmatite dyke with ~10% fuchsite.	
52.5	61.96	wk fol	mod fol	60	70	53	55							amphibolite	mod										3	Schist coarse grained with 1-3mm biotite and muscovite from 56.5-61.96m depth, strong foliation in this interval as well, weak everywhere else. 3-10cm thick dykes 56.5-61m depth with light green/grey (sericite?) chill margins and stretched parallel to foliation 3-5cm white feldspar circular/oval porphyroblasts? phenocrysts? in core of dyke in same green/grey matrix. Lower contact sharp and faulted	
		st fol	st fol	40	50	57	59																				
		mod fol		40		61																					
61.96	64		fractures	40		64								amphibolite	mod										10	Broken blocky core. Some fault gouge as gravel. More competent pieces of core in fault composed of feldspar-k rich pegmatite (same as previous described). Lower contact sharp and faulted.	
64	84.82	wk fol	wk fol	40	45	65	67							amphibolite	mod											3	Weakly foliated and fine grained schist. More coarse grained. Abundant biotite and muscovite bands ~10cm thick with minerals 2-3mm in size parallel to foliation 69.19-74m depth. Some small shear bands around 74m depth. Sinistral movement. Several 10cm white pegmatite dykes throughout more foliated interval. Moderate-abundant garnet bands 1-4cm thick with ~ 10-20% euhedral garnets parallel to foliation from 83.6-84.82m depth. Lower contact bedded and gradational.
		wk fol	fold axes	60	70	69	71																				
		mod fol	shear ba	60	50	73	74																				
		shear ba	st fol	75	60	70	79.5																				
		wk fol		60		83																					
84.82	90	bd	bd	60	70	85	87	40						amphibolite	wk										5	>10% massive magnetite ~ 0.2mm crystals in 1mm-1cm thick beds interbedded with quartz-rich, greenschist facies-metasediments. Rare 1cm bands of metasomatism (epidote and garnets) throughout near upper contact. Abundant beds of ~20% 1-3mm euhedral garnets in greenschist facies-metasediments. 87.79-88.10m depth broken blocky core from fault. Bedding parallel to foliation (weak). Lower contact sharp and defined by 20cm pegmatite dyke with ~ 10% bleby pyrite and garnets around edges and moderate abundant chlorite patches throughout.	
		bd		60		89																					
90	93.34	st fol	st fol	80	90	91	93							amphibolite	wk											3	Fine grained-amphibole grade schist. Shear zone (almost mylonitic) with abundant 1-3cm biotite and feldspar crystals 91-91.5mdepth. Lower contact bedded and gradational.
93.34	93.8	bd		80		93.5		25						greenschist	st											5	>10% massive magnetite beds interbedded with garnet rich (~20-50%) greenschist facies-metasediments (schist). Lower contact gradational and bedded.
93.8	97.83	bd	wk fol	30	60	95.5	97							amphibolite	mod											1	Garnet rich greenschist beds interbedded with schist 2-11cm thick. Garnet beds

