

**PROPERTY: HARTLESS JOE**

Easting	Northing	Elev.	Depth (m)
514903	6751989		246.89

**HOLE: HJ08-01**

Contractor: BEAUDOIN DIAMOND DRILLING INC.  
Drill: JKS SUPER-300

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	270°	45°	Brunton				
		46°	Acid				

Core size: BTW  
Casing depth: (m) out

Drilling dates: June 26-30, 2008

Logged by: Adam Kjos

Target: VTEM conductor

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SAMPLES	
Numbers:	
Total:	
Date sent:	

COMMENTS	

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Struct.		LITHOLOGY							ALT.		MINERALS			SAMPLES			
Type	Altitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:		Calcite Veins			From (m)	To (m)	Interval (m)	Sample
		0	7.61	7.61	LS			Dark Grey	Highly fractured; weakly fetted; partly recrystallized; minor high angle calcite veins		Min						
		7.61	12.24	4.63	LS		mottled	Dark Grey to Grey	Broken fossils; strongly fetted micrite - wackestone; upper part of interval moderate to abundant calcite veins up to 1.5 cm		Mod						
		12.24	24.71	12.47	LS		mottled	Dark Grey to Grey	Increase in proportion of silt to sand; moderately - strongly fetted; distinct fluid breccia zones between 18-24 m; silty laminae @ 35° to core axis; minor calcite veinlets.		Min						
		24.71	29.10	4.39	LS			Dark Grey	Weakly fetted; carbonaceous; graphitic micrite with 1 cm and less fossil hash horizons @ 47° to core axis.		Y Min						
		29.10	40.10	11.00	LS			Grey to Dark Grey	Weakly to moderately fetted; low and high angle calcite veins; graphitic and carbonaceous; 50 cm intervals of fine grained lithic to sublithic arenite laminae are distinctive orangish tan @ 60° to core axis; dominantly fossil hash rich wackestone where it is not sandy or carbonaceous		Min-Mod						
		40.10	44.06	3.96	LS		breccia	Brownish Grey	Breccia zone; no visible mineralization; angular to subangular weakly fetted, fossil hash rich, wackestone fragments are 2-4 cm across; matrix fine grained sandstone to siltstone cemented with calcite		-						
		44.06	46.85	2.79	LS		mottled	Grey	Moderately fetted, medium crystalline limestone; minor low and high angle calcite veins; locally fossil hash rich micrite; locally wackestone.		Min						
		46.85	53.85	7.00	LS			Tannish Grey	Weakly to moderately fetted, medium-coarse crystalline, silty to sandy micrite, minor fossil rich zone; 5 to 15 cm fluid breccia zones; laminae @ 50° to core axis; soft sediment structure along contacts between limestone and clastic horizons.		Y Min						

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Struct.		LITHOLOGY							ALT.			MINERALS			SAMPLES			
		From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:	Calcite Veins	Hematite	Pyrite			From (m)	To (m)	Interval (m)	Sample
		53.85	59.34	5.49	LS			Dark Grey	Less of distinct clastic sedimentary layers; carbonaceous and graphitic; moderately felled; 5-15cm fluid breccia zones which are not graphitic; minor low and high angle calcite veins - low angle subparallel to bedding.	Min								
		59.34	59.45	0.11	FP			Pinkish Grey	Feldspar porphyry with 3mm subhedral phenocrysts; minor disseminated, 2mm euhedral pyrite; minor calcite veins	Min		✓						
		59.45	59.67	0.22	LS			Grey	Moderately felled, crystalline micrite; no pyrite or veins	-								
		59.67	59.88	0.21	FP			Pinkish Grey	Feldspar porphyry with 2-5mm subhedral phenocrysts; <10% euhedral pyrite 1-1.5mm across; upper contact at 0° - lower contact at 30°	-		✓						
		59.88	61.50	1.62	LS			Grey	Moderately felled, medium crystalline micrite with minor silty laminae @ 30°; local ~10cm thick breccia intervals	-								
		61.50	64.33	2.83	FP			Pinkish Grey	Feldspar porphyry with <10% 1mm cubic pyrite; more feldspar rich toward base.	-		✓						
		64.33	65.56	1.23	LS			Grey to light grey	Slightly schistose texture immediately below dyke; minor fluid breccia; very minor <1mm disseminated pyrite in middle of interval.	Min		✓						
		65.56	72.96	7.40	DR			Light Grey	Chilled margin at top until 66.22m; upper contact @ 52° - lower contact not cored; finely crystalline pyroxene diorite to granodiorite; very fine to aphanitic toward base.									
		72.96	79.54	6.58	LS			Grey	Moderately felled, graphitic micrite with stylolites; 20cm interval of abundant calcite veining centered at 76.56m.	Ab								
		79.54	81.66	2.12	GR			Reddish Grey	Porphyritic hornblende granite; fine grained; minor 1-2mm euhedral pyrite; slickensided fractures	Min	✓	✓						

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PROPERTY: HARTLESS JDE

HOLE: H509-01

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**PROPERTY:**

**HOLE: HJ08-01**

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