DIAMOND DRILL RECORD

010404

HOLE NO: 72-1

PROPERTY: Chatanay Exploration Ltd.

LOCATION: [illegible] 372+00 E

AZIMUTH: 315°

DIP: 44°30'

LENGTH: 500 ft.

ELEVATION: 4700' ASL ± 50'

CLAIM NO: Russ #8 & Chat #4 Fr.

STARTED: [illegible] 25th 1978

CORE SIZE: [illegible]

DATE LOGGED: [illegible] Mar 20/78

SECTION: —

COMPLETED: March 29th 1978

DIP TESTS: 250' = 48°
500' = 48¾°

LOGGED BY: Jay D. Murphy

PURPOSE: Test I.P. Anomaly

FOOTAGE from	FOOTAGE to	DESCRIPTION	SAMPLE NO.	FOOTAGE from	FOOTAGE to	LENGTH						
0.0	85.0	Casing - stick up 2.5'										
85.0	163.8	Granodiorite: Carbonate Variety, fresh, med. grey green, med. grained, massive, generally unaltered except for slight chloritization of ferromags and pinkish potassic alt'n over short sections, estimated composition: 85-90% ferromags (hornblende) as med. grained plate or ragged XL's commonly poikilitic, 45-50% light grey green plag., 5% K-feldspar, 15-20% [illegible] as anhedral [illegible], minor biotite 2-5%, some accessory epidote, occasional flask of Py, [illegible] disseminations common to the amount of 1% or less, core strongly broken up & 'blocky' due to numerous slips & fractures as 25-55° to core axis, 45.0' - 2" gouge, slip attitude not determined. 51.0-60.0': 5.0' lost or ground core. 57.0' - ½" str. Bornite w. Malachite alt'n @ 45°, associated Mag. 67.0-77.0 - 8.5' lost or ground core. 79.0 - ⅛" gouge well defined @ 60°. 87.5 - 92.0 - slightly 'crushed' section with some development of gouge, following partly [illegible], minor [illegible] carbonate as [illegible] over first ft.										

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FOOTAGE from	FOOTAGE to	DESCRIPTION	SAMPLE No.	FOOTAGE from	FOOTAGE to	LENGTH						
163.2	218.3	GRANODIORITE (cont'd)										
		206.0 - 216.5 - fault zone, strongly fractured & broken with abundant 'gouge' developed; 6" lost core										
		209.6 - 10" plastic 'gouge'										
		215.6 - 10" compacted fault breccia consisting of pressure rock fragments in matrix of gouge & rock flour (?)										
		209.4 - 215.0: dyke or remnant of Gunchan; Variety granodiorite, contacts indefinite due to faulting,										
218.3	232.0	218.3 - 232.0 - dyke of Witches Brook, similar to previous dyke but finer grained w. higher mafic content, top ctct. sharp but irregular, probably faulted, lower ctct. indefinite due to strong development of fault 'gouge' over final 12"										
232.0	500.0	GRANODIORITE: Chataway Variety, similar to previous section,										
		241.2 - well developed slip w. 'gouge' @ 40-45°										
		247.0 - 6" crushed section w. 'gouge'										
		255.3 - 26" dyke Witches brook, contacts sharp, unchilled, @ 45-50°, top ctct. offset along slip @ 50°, L.H.,										
		271.0 - 276.0 - 12" lost core										
		276.0 - 280.0 - 24" lost core										

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FOOTAGE from	FOOTAGE to	DESCRIPTION	SAMPLE No.	FOOTAGE from	FOOTAGE to	LENGTH	Cu	MoS_2
25.0	163.8	GRANODIORITE: (cont'd)						
		Core recovery 25.0 to 100.0' = 80%						
		106.0-108.0 - pink potassium alt'n.						
		107.7 - slip or slickensided at 40°						
		133.8 - well developed slip sharp at 18°						
		143.4 - — ditto —	226	152.0	162.0	10.0	0.01	0.004
		152.4 - slip at 50° w. 1/8" sh. calcite with Bronze & Chlorite.	227	162.0	163.0	1.0	0.21	0.004
163.8	208.0	GRANODIORITE: Chatsway Variety, moderately altered,	228	163.0	173.0	10.0	0.02	0.004
		pinkish grey, med. grained equigranular, uniform, massive, plag. feldspar kaolinized & chalky in part, amphibolite frequently alt'd to chlorite & magnetite, considerable evidence of weak slip & fractures with frequent development of 'gouge' resulting in 'blocky' core and only fair recovery.						
		Estimated composition:						
		Hornblende - 15%						
		Biotite 5%						
		Quartz 10-15%						
		K feldspar 10-15%						
		Plag. feldspar 50-55%						
		Magnetite 1-2%						
		170.5-175.0 - 18" lost core						
		185.0-187.0 - 6" " "						
		195.0 - 12" section strongly broken up & fractured, chloritic 'gouge' abundant						
		Recovery 100' to 200' = 86%						
		201.1 - 1/2" gouge along slip at 55°, epidote developed over 1" along lower contact.						

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FOOTAGE from	FOOTAGE to	DESCRIPTION	SAMPLE Nº	FOOTAGE from	FOOTAGE to	LENGTH
232.0	500.0	GRANODIORITE - 1 (cont'd)				
		284.5 - 30° section of 'gauge' & fault breccia, attitude appx 45°,				
		299.0 - 307.0 - Fault Zone - core strongly fractured, brecciated, mylonitised, final 24" pure breccia & 'gauge', attitude 50° to core				
		Recovery 200' to 300' = 89%				
		3[illegible] - 2[illegible]" strongly developed breccia & 'gauge'				
		329.5 - 6" 'gauge'				
		332.0 - 12" 'gauge'				
		339.0 - 397.5 - entire section is 'blocky', soft, brecciated, mylonitised indicating strong movement @ 50° mainly with many subsidiary fractures & slips @ various angles to core, final 18" consists entirely of plastic 'gauge' with rock fragments, from final footage rock appears normal, hard and relatively unaltered with little evidence of movement, minor fracturing @ 45-50°				
		Recovery 300' to 400' = 89%				
		418.0 - 423.0 = 3.5' ground core				
		462 - 36" section fractured & 'blocky'				
		470.0 - 478.0 - fractured, 'blocky', some 'gauge' developed				
		Recovery 400' to 500' = 96%				
	500.0	END OF HOLE				