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Northing (m): 378
Easting (m): -167
Elevation (m): 200

Collar Azi.: 315
Collar Dip: -45
Hole Length (m): 57.6

AREA: Powderhorn Lake
PURPOSE-COMMENTS: To test surface PEM conductor.

*** Dip Tests ***
Depth Azi. Dip

CORE SIZE: nq

DATE STARTED: Oct 26, 1998
DATE COMPLETED: Oct 27, 1998
DATE LOGGED: Oct 27, 1998

LOGGED BY: Larry Pilgrim
DRILLED BY: Petro Drilling Company
CLAIM: 4559M

From (m)	To (m)	GEOLOGICAL DESCRIPTION	Sample	From (m)	To (m)	Lng (m)	NI %	CU %	ZN %	CO %
.0	9.8	OVERBURDEN Overburden.								
9.8	20.6	META-ARGILLITE Med grey to black, mod to strongly foliated at 40 to core but locally 50 to 70, sprinkled with micro-garnets in places, mod siliceous and banded down to 13.3, from 13.3-16.5 less siliceous, mod to strongly sulphidic with up to 15% sulphides locally (po\py trace cpy) as stringers, wisps, threads parallel to foliation. Locally 1-2mm size diamond shaped xtals (possibly scapolite), abundant qtz augens and eyes locally, mod to strongly conductive over .5m, 18.0-18.8 mass, fine grained, possibly intrusive.								
20.6	22.5	MAFIC DIKE Dark grey, fine grained, scattered plagioclase phenocrysts, slightly to mod magnetic, chilled upper contact at 10-15 to core, lower contact less chilled and at 30 to core.								
22.5	23.9	FG META-SANDSTONE Heavily banded and foliated at 50 to core, very siliceous, mod to strongly sulphidic bands with up to 20% po\py, sulphide bands are strongly conductive, alternating light to med grey bands with aplitic bleached lenses.								
23.9	26.2	FELSITE Light greyish-white, med grained, sugary textured, predominantly quartz, sharp contacts at 45-60 to core, sprinkled with white mica, trace disseminated py.								
26.2	27.8	FG META-SANDSTONE Medium grey, purplish tinged, very siliceous, vague foliation at 70 to core, trace wispy disseminated py/cpy.	62507	26.2	27.8	1.6	.00	.00	.01	.000
27.8	30.8	MAFIC DIKE Dark grey, fine grained, micro-gabbroic, abundant angular qtz xenoliths near center of unit, trace of disseminated py, good chilled contacts at 35-50 to core.	62508	27.8	30.8	3.0	.00	.00	.00	.002
30.8	36.5	FG META-SANDSTONE Very siliceous, multi-coloured buff-grey green discontinous bands, patches at 55 to core, occassional qtz vein.								
36.5	38.4	FELSITE Same as 23.9-26.2, greenish tinged, partly brecciated.								
38.4	47.4	FG META-SANDSTONE Very siliceous, less banding than 30.8-36.5, generally darker in colour to 41.1, some spotted hornsfels texture, locally micro-garnets, banding and foliation at 70 to core, some creamy pink patches and bands, occassional narrow qtz vein with po/cpy, trace streaky po throughout, 4 cm aplitic dyke near lower contact.								
47.4	49.7	MAFIC DIKE Multiple dykes, dark grey, fine grained, massive, mod to strongly magnetic.								

From (m)	To (m)	GEOLOGICAL DESCRIPTION	Sample	From (m)	To (m)	Lng (m)	NI %	CU %	ZN %	CO %
49.7	52.0	QUARTZ FELDSPAR PROPHYRY Dark grey to black, aphanitic, very siliceous, abundant 1-2mm size phenocrysts.								
52.0	57.6	FG META-SANDSTONE Highly siliceous, strongly banded, same as 30.8-36.5.								