



42B01SE0018 22 PENHORWOOD

010

Diamond Drilling

Township of PENHORWOOD

Report NO 22

Work performed by: Geophysical Engineering Limited

Claim NO	Hole NO	Footage	Date	Note
P 504953	QQQ-4	220.0'	Apr/78	(1)
P 504938	QQQ-3	200.0'	Apr/78	(2)

Notes:

(1) #132-78

(2) #131-78

#132-78

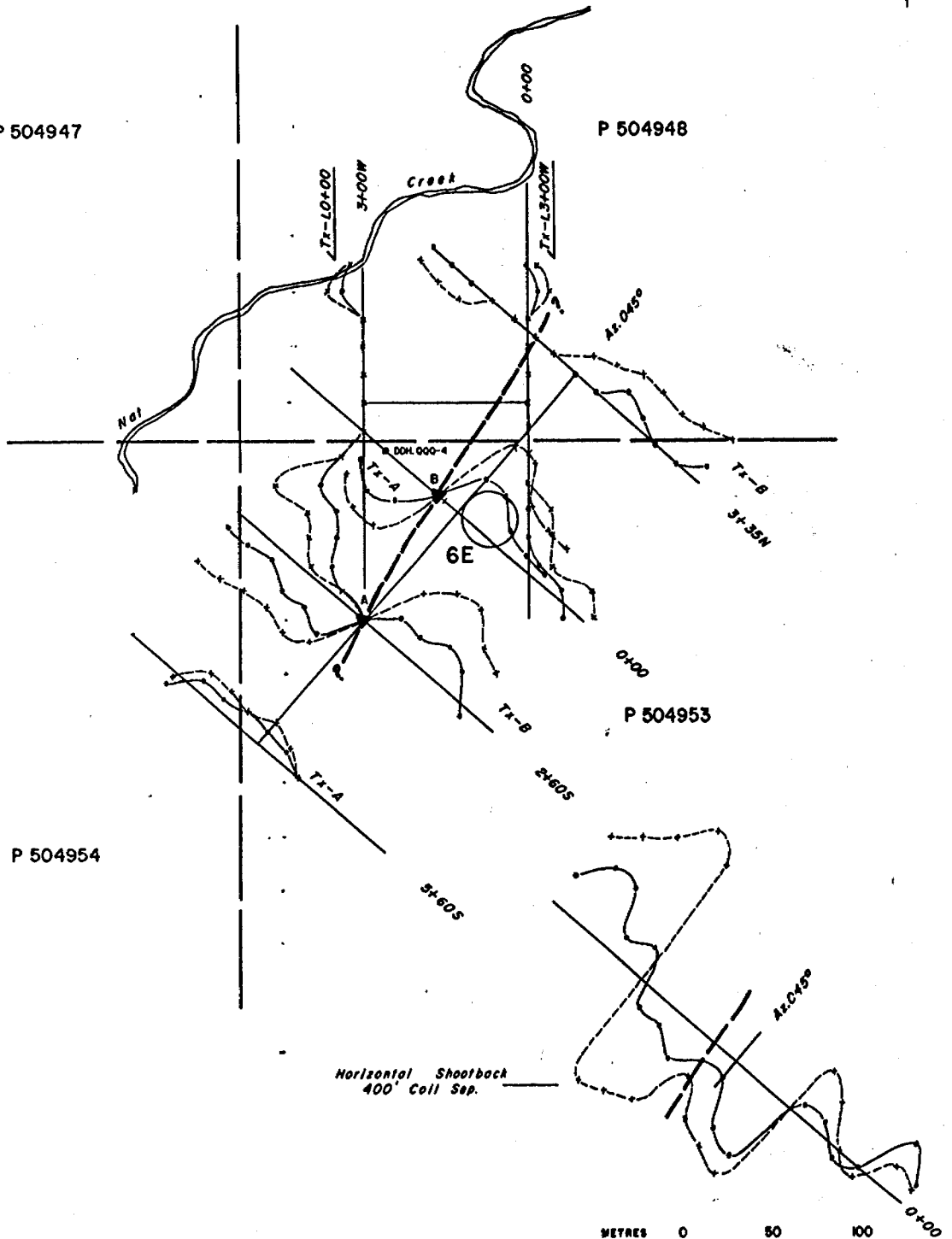
PENHORWOOD

TWP.



P 504947

P 504948



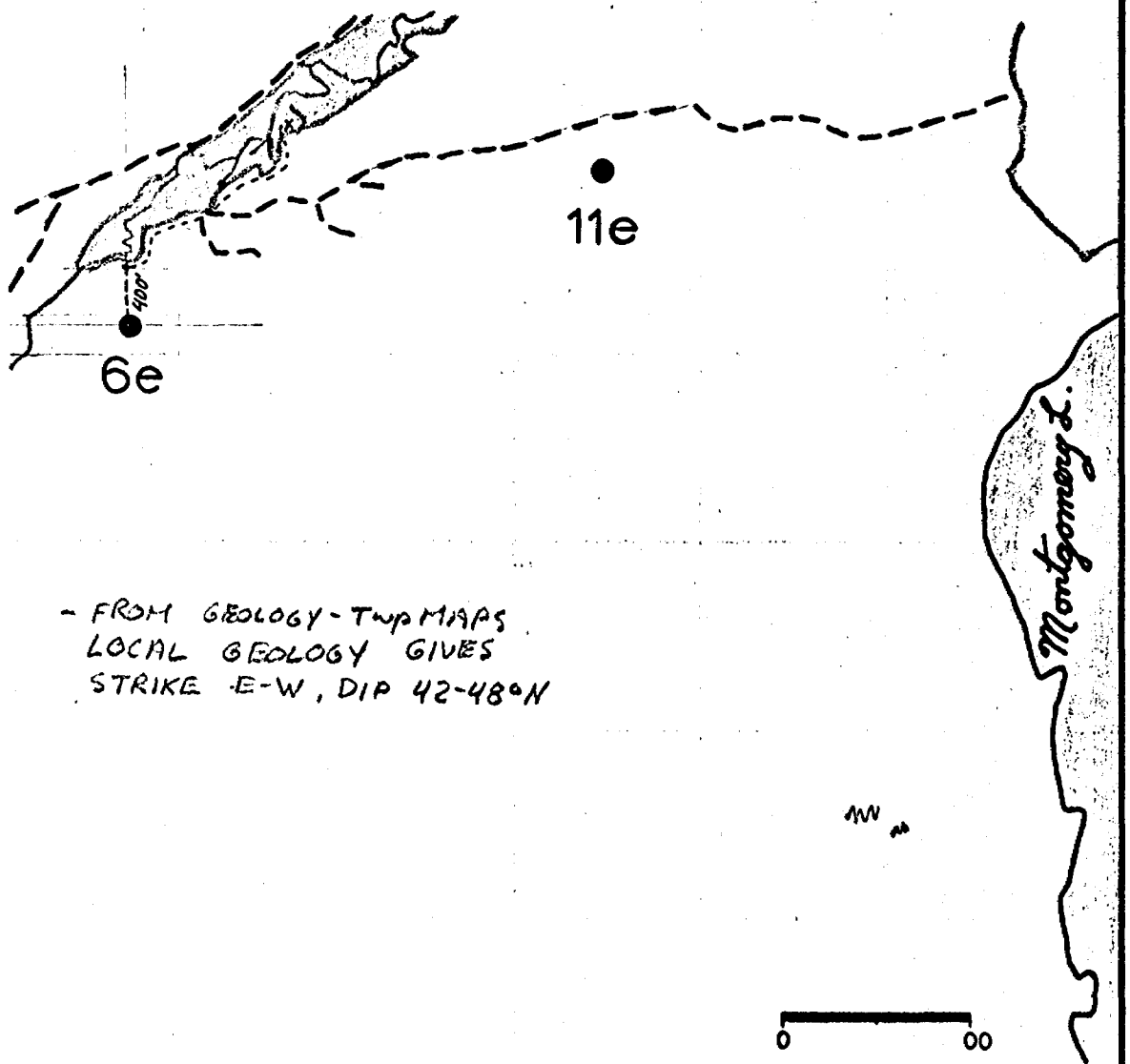
P 504954

P 504953

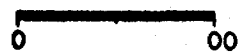


INSTRUMENT: CRONE C.E.M. UNIT
OPERATOR : G.SMITH/Y.COLLINS

DIGHEM SYNDICATE
 AREA QQQ - ANOMALY 6E
 E.M. SURVEY
 DATE DEC. 1977. JOB 984



- FROM GEOLOGY-TWP MAPS
LOCAL GEOLOGY GIVES
STRIKE E-W, DIP 42-48°N



DIGHEM SYNDICATE
AREA - ANOMALY 6e
LOCATION
DATE JOB 984

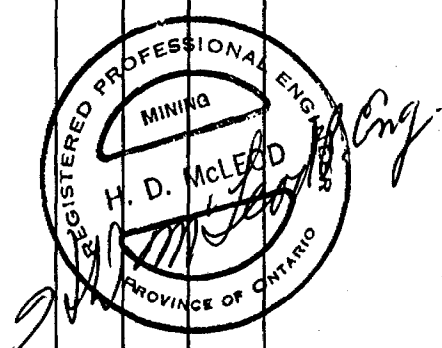
GEOPHYSICAL ENGINEERING LIMITED

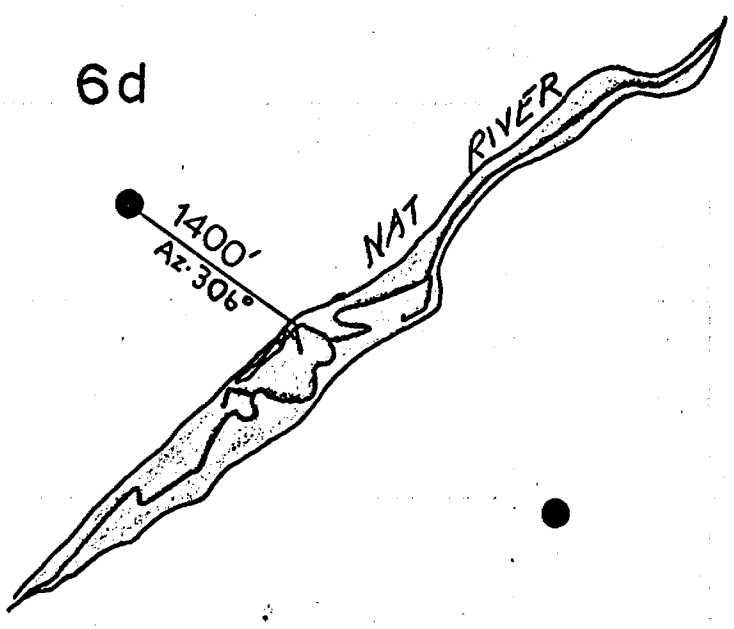
DIAMOND DRILL LOG

Hole Q00 4
Sheet 1 of 1

Property <u>984 Q00 N.T.S. 42 B/1</u> Group <u>Q002</u> Ownership <u>Penhorwood</u> Location: Lat. <u>47° 17' 5N</u> Dep. <u>0+00</u> Elevation <u>_____</u> Logged <u>G.K. Smith</u>	Objective <u>To test conductor</u> <u>6E</u> Drilling Co. <u>Bradley Brothers</u> <u>Timmins, Ontario</u> Commenced <u>April 18, 1978</u> Completed <u>April 19, 1978</u> Length <u>220.0'</u>	Core Location <u>North Bay</u> <u>Ontario</u> Distance to water <u>800'</u> Casing Lost <u>None</u> Core Size <u>A0</u>	Tests At Collar Dip <u>50°</u> Azimuth <u>135°</u> <u>220°</u> <u>50°</u> _____ _____ _____	Location Sketch
Remarks <u>Pyrrhotite and chalcopyrite in a quartz vein at 109.8-110.1.</u> <u>Flanked by a chlorite rich lean iron formation at 110.0-114.1.</u>				

Footage		Rock Type	Description	Sample No.	From	To	Length Feet	Assays						
From	To							Cu ppm	Zn ppm	Ag ppm	Au ppb			
	14.0	OVERBURDEN												
0.0	114.1	METASEDIMENTS	Fine grained, dark green silt with interbedded sandstone and minor arkose. The core is conformably banded by 1mm quartz veinlets. Chlorite occurs in foliation planes at 80° to core axis. Sericite is similarly developed. 26.2-26.4 Garnet clusters 1-2mm in the foliation, occurring in a silty rock with minor sericite. 46.9-48.0 Sandstone lying between beds of silt, sharp contact at 80°. Lower bed of silt showing a grainy textural contact. 52.0-84.0 Silt banded by 0.5mm carbonate bands 75°-80° to core axis. 84.0-92.0 Very fine grained medium green mudstone with foliation and carbonate banding 80° to core axis. 89.0-92.0 Minor silt and sericitic arkose. 92.0-94.0 Strong foliation, sericite, contorted, minor garnet, minor pyrrhotite, traces of chalcopyrite, drag folds? slump structures. 94.0-109.0 Silt developing mafic (chlorite or amphibole?) knots. Knots increase from 1mm to 3mm from 99.4-109.0. 109.1-109.6 Swirls of pyrrhotite, traces of chalcopyrite. 109.8-110.0 Quartz vein with 3% stringers of pyrrhotite and equal chalcopyrite. 111.0-114.1 Highly contorted sericite schist highly chloritic, siliceous. <u>Iron formation.</u>	A1355	109.0	110.0	1.0	3300	440	2.1	10			
	114.1	QUARTZ FELDSPAR PORPHYRY DYKE	Medium to coarse grained, grey mottled with pinkish zones. Quartz and feldspar phenocrysts to 2mm -fining up sequence.											
124.8	130.2	METASEDIMENTS	124.8-126.0 Silt with pyrrhotite and pyrite in shear planes at 80° to core axis. 126.0-126.1 Minor garnets. 130.0-130.2 Minor pyrrhotite, garnet, chlorite, traces of chalcopyrite.	A1358	112.0	114.0	2.0	34	310	<0.2	N11			
130.2	135.4	QUARTZ FELDSPAR PORPHYRY DYKE	Similar to 114.1-124.8.											
135.4	159.0	METASEDIMENTS	135.4-139.0 Arkose interbedded with sandstone and silt. Silt is chloritic with garnets and sericite, foliation at 80° to core axis. 139.0-151.0 Silt and interbedded sandstone minor sericite. Foliation 80° to core axis. 145.0-148.0 Garnet clusters. 151.0-159.0 Coarse grained chlorite knots in silty rock.											
159.0	167.0	DIORITE	Contact indistinct, fine to medium grained diorite texture. 159.8-160.2 - Leucoxene patches to 1mm.											
167.0	168.0	METASEDIMENTS	Fine to medium grained pink quartzite.											
168.0	181.0	DIORITE	Similar to 159.0-167.0.											
181.0	220.0	METASEDIMENTS	Sandstone, interbedded silt at 80° to core axis. Chlorite sericite and carbonate alteration. 190.8-193.0 Sandy silt, chlorite? knots. 210.0-211.0 Arkosic sandstone, interbedded with sandstone and silt at 75° to core axis. 216.1-216.4 Garnets, sandstone and silt. Sericitic, foliation 80° to core axis.											
220.0		END OF HOLE.												





6e

Montgomery d.

200
- 100
12 6



DIGHEM SYNDICATE
AREA - ANOMALY 6d
LOCATION
DATE DEC/77 JOB 984 RGG

100
5 5

GEOPHYSICAL ENGINEERING LIMITED

DIAMOND DRILL LOG

Hole 000 3
Sheet 1 of 1

Job <u>984000</u> N.T.S. <u>42 B/1</u>	Objective <u>To test conductor</u>	Core Location <u>North Bay</u>	Tests	Location Sketch
Property Group <u>0002</u>	<u>60</u>	<u>Ontario</u>	At Collar <u>200'</u> Dip <u>50°</u> Azimuth <u>180°</u>	
Township <u>Penhorwood</u>	Drilling Co. <u>Bradley Brothers</u>	Distance to water <u>1600'</u>	Casing lost <u>None</u>	
Location: Lat. <u>2+25N</u>	<u>Timmins, Ontario</u>	Core Size <u>AQ</u>		
Dep. <u>0+00</u>	Commenced <u>April 15, 1978</u>			
Ele'n	Completed <u>April 17, 1978</u>			
Logged <u>G.K. Smith</u>	Length <u>200.0'</u>			
Remarks <u>Conductor explained as graphite and associated pyrrhotite and pyrite 133.0-142.0</u>				

Footage		Rock Type	Description	Sample No.	From	To	Length Feet	Assays					
From	To							Cu ppm	Zn ppm	Ag ppm	Au ppb		
0	38.0	OVERBURDEN	Boulders and till.										
38.0	100.0	INTERMEDIATE TUFFS	38.0-43.0 Intermediate tuff, fine to medium grained, grey. 43.0-45.0 Medium grained, pinkish grey, intermediate tuff, chlorite "mottling". 45.0-62.0 Lapilli tuff 2cm-30cm fragments dark grey, medium grained tuff matrix. 62.0-64.0 More mafic, dark grey, 64.0-100.0 Interbedded ash and lapilli tuff matrix is darker, more mafic? down hole. Upper zone more carbonate rich. 96.7-97.1 Pyrrhotite with traces chalcopyrite.										
100.0	103.0	METASEDIMENTS ?	Mafic, carbonate, foliation 70° to core axis. Possible silty sediments.										
103.0	133.0	METASEDIMENT	103.0-111.0 Fine grained, argillite/slate graphitic matrix Carbonate developed. 105.0-109.0 Moderate carbonate. 112.0-113.0 Fine grained, greenish, foliation 80° to core axis. Silt? 113.0-115.0 Dark grey, graphitic argillite/slate. 115.0-120.4 Light grey with chlorite streaks 80° to core axis. Fine 1mm clusters of dark grey "dendritic" spots over 5% of surface. Appears to have less compact structure down hole. Quartzite? Chert? 120.4-131.0 Highly contorted, graphitic. 131.0-133.6 Graphitic, carbonate rich, slump structures, minor pyrrhotite, a few 1" fragments. Slate or shale.										
133.0	142.0	GRAPHITE ZONE WITH SULPHIDES (CONDUCTOR)	Highly graphitic, pyrrhotite-pyrite, nodules and stringers. Highly contorted structures. Carbonate stringers 80°-85° to core axis.	A1356 A1357	134.0 138.0	136.0 139.0	2.0 1.0	840 510	2010 1650	0.6 0.5	10 10		
142.0	200.0	METASEDIMENTS	142.0-181.0 Chloritic, foliation 80° to core axis, carbonate rich, containing fragments 2 x 3mm. 160.0-161.0 Crenulated, slump structures. 181.0-181.4 Same as 115.0-120.4. 181.4-185.4 Highly carbonated, black, dense, very fine grained, matrix graphitic. 185.4-187.0 Very graphitic. 187.0-194.0 Possible greywacke. 193.0-194.0 2-4mm fragments. 196.0-197.0 Arkosic sandstone, banded with some 2-3mm fragments. 197.0-200.0 Dense black argillite/slate, minor carbonate.										
200.0		END OF HOLE											

