ABMINCO N.L.
CLEVELAND MINE

CATEGORY: Surf. Exp.

HOLE No.: C 1250 REF No 18550

GENERAL DATA

Objective :

Area of Operation : Eastern Ridge Location : AH - AI sect^n.

Collar R.L. : 468.50 m. Co-ordinates : 14925.05 N, 11181.86 E.

Bearing of Hole : 295° [redacted] Angle of Hole : -49½° Final Depth : 205 m.

Drilling Commenced : 4-1-78 Completed : 16-1-78 Logged by :

DRILLING DATA

Drilled by : LONGYEAR Non Coring :

Drilling Rig : 44 Coring :

Driller(s) : P. LEFTERUK, B. M^cCONACHY

Core Recovery :

HOLE SURVEYS

HOLE No. : 1250

C 1250.

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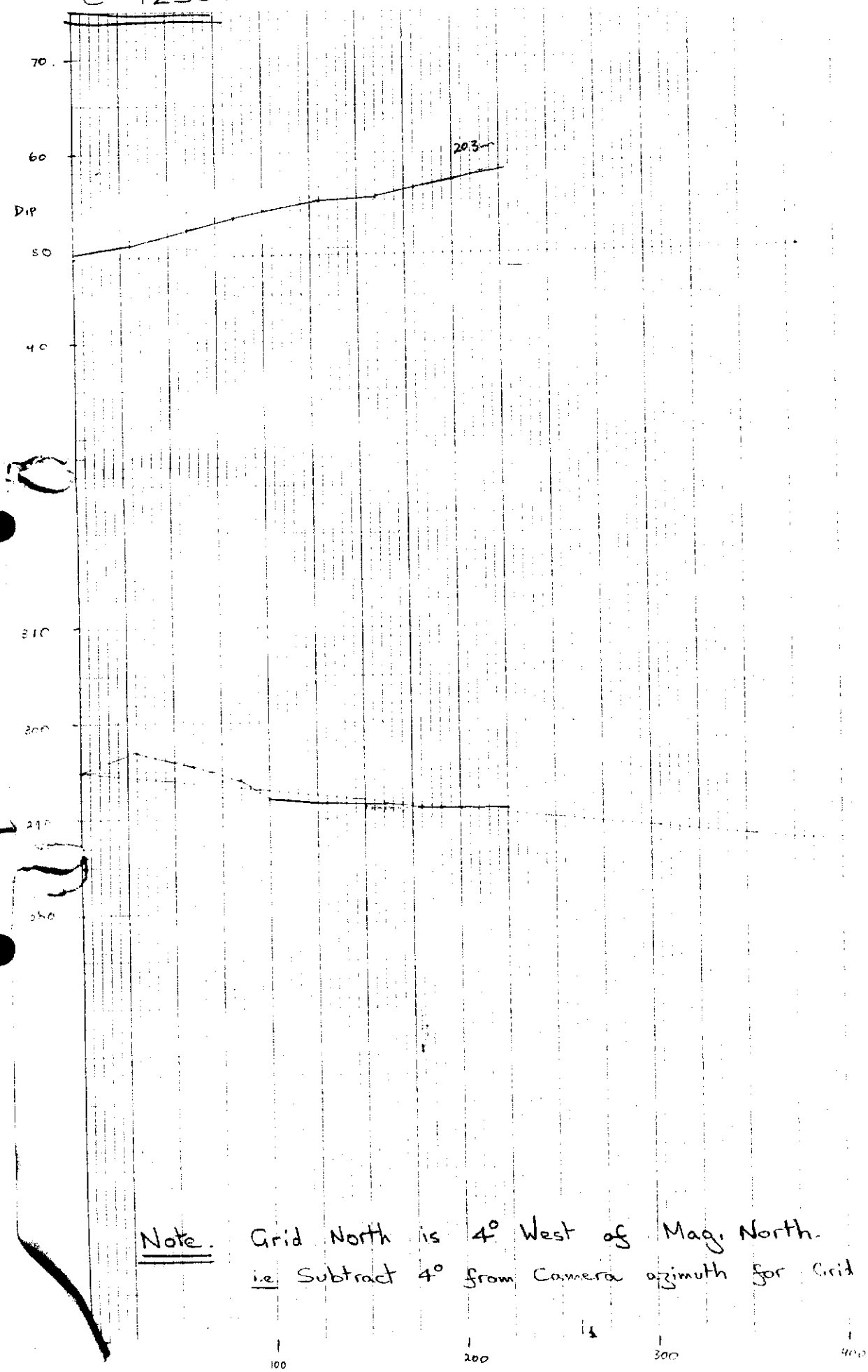

Note. Grid North is 4° West of Mag. North.
i.e. Subtract 4° from Camera azimuth for Grid azimuth.

DOWN HOLE PLOT

Hole No: C 1250

Sheet No:

DEPTH	PLAN			CROSS SECTION		LONG SECTION				Depth	PLAN			CROSS SECTION		LONG SECTION			
	N	E	RL	Dist.from H.R.P.	Dist.from B.R.P.	Dist. from Halls	Sect. GK	Dist from Batt.	Sect. AH		N	E	RL	Dist.from H.R.P.	Dist. from B.R.P.	Dist from Halls	Sect.	Dist from Batt	Sec
0	14925·25	11181·84	462·50	652·28	470·37	96·42		−28·30											
25	14938·71	11167·42	447·23	636·80	474·19	91·71		−22·30											
50	14932·15	11153·26	429·99	621·58	458·68	87·61		−20·47											
75	14945·78	11139·37	410·23	606·35	443·35	83·17		−17·10											
00	14951·71	11125·73	390·19	592·76	428·50	78·39		−18·27											
25	14957·09	11112·25	369·84	579·17	413·98	73·30		−17·91											
50	14962·35	11098·71	349·36	565·76	399·65	68·22		−17·61											
75	14967·48	11085·71	328·76	552·54	385·49	63·14		−17·37											
00	14972·42	11072·83	307·91	539·67	371·69	58·13		−17·21											
25	14977·20	11060·37	286·77	527·25	358·35	53·29		−17·05											

Note: Grid Azimuth is camera reading less 4°.

ABMINCO N.L. - Cleveland Mine

Hole No. C 1250

Sheet No.

DIAMOND DRILL HOLE DATA

PROGRAM DATA				SURVEY DATA				INTERPOLATED DATA		
				Instrument Type	Depth	Dip	Grid Azimuth	Depth	Dip	Azimuth
1	Attitude	—	(+) (-)	Survey	0	49½	295	12½	50	[illegible]
2	Hole No.	C 1250		Camera	30	50½	297 (291)	37½	50¾	296½
3	Down Hole Interval	25			60	52	295½ (291)	62½	52	295½
4	Collar Co-ords.	14925.05	N		79	53¼	294 (288)	87½	53½	293½
5		11181.86	E		101	54	292 (286)	112½	54½	291¾
					130	55	291½ (285½)	137½	55	291½
6	Collar R.L.	+62.50			160	55¼	291½ (285½)	162½	55½	291¼
7	Halls Sect. Sk Intersect Point	15279.44	N		180	56¼	291 (285)	187½	56½	291
8		10634.39	E		202	57	291 (285)	212½	57¾	291
9	Battery Sect. RH Intersect. Point	15111.51	N							
10		10720.2	E							
11	Start Plot (Depth)	0	ϕ = Collar							

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DIAMOND DRILL LOG

Hole N° 1250 Page N° 1

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
		No Core - Tricone drilling.			
	5	Grey/Black Shales - Disrupted, and weakly oriented argill/black shales. Clast and patches of weathered limonitic material. Numerous micro-faults and shears generally 45° C.A. Bedg. parallel to C.A., rarely around 45°. Broken core and intense limonitic development between 7.70 - 7.90 ≈ 45° C.A.	F		
	9.70	Grey/Green Shales - greyish greenish shales with minor interbedded grey black shales - disrupted			
	10	Grey/Black Shales. Similar sequence to above, disrupted, sheared and micro faulted. Variation in colour results in banding which is usually parallel to core axis. The core is generally quite broken and schists are weathered to clays. Patches of clay and iron oxides. Fault 45° C.A. at ≈ 11 m. and 17.8	F F		
	15				
	18.5				
	20	Greenish/Grey Tuffaceous Shale. Generally massive slightly foliated shale of possible volcanic origin. Small sub-rounded feldspar(?) phenocrysts. Rare fragments and thin interbedded black shales. Chlorite present on cleavage planes and as alteration around clasts. Lower contact irregular and patchy, subparallel to C.A. Minor limonite thin fault(?).			Trace pyrite (1%) from 21.7 - 22.0 m Mainly as patches and aggregates of crystals rarely as individual crystals.
	23.2				
	25	Red/Brown Shales - A sequence of reddish/brown generally massive poorly bedded shales with minor			

23 22 21

Dominion

DIAMOND DRILL LOG

Hole Nº 1250 Page Nº 2

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
0.70		pale greenish grey shale interbedded fracture planes are chloritized and mineralized. Weak banding or layering present ≈ 60° C.A. Core is broken and fractured. Lower contact appears to be gradational.			less 1% pyrite developed on joint and fracture planes.
1.00					
1.20					
0.04	28.0				
0.05		Grey Shales A sequence of pale greenish/grey shales highly disrupted and irregularly layered. Dark grey to black thinly bedded interbeds. Upper 3 metres seems to be slightly firmer and generally more massive (probably siliceous and slightly tuffaceous). Core is fractured and broken. Cleavage planes are weakly mineralized and chloritized. Micro faults and slump structures are present with bedding varying from sub parallel to C.A to about 60 to C.A Rare sandier units upto 2cm towards the base. Interbedded grey & black shales in last 5 cm.			less 1% pyrite smeared on fracture planes.
0.05					
1.30					
1.40					
0.05					
0.50					
1.05	35				
0.70					
	37.45				
1.50		Limestone / Shale - Interbedded sequence of grey/pale limestone and black/grey shale. Limestone is finely laminated with shales deformed and layered. Minor fragments of limestone in shale. Lower contact sharp			less 1% pyrite developed as crystals on fractures and within calcite veins. Bedg 60° to C.A
1.30	40	Grey Shales - fine grained grey/pale shales - first metre disrupted and irregular with minor limestone and sandstone fragments - remainder finely laminated and consistent. Several lighter coloured inclusions, spotty (chloritic with hematitic veins) towards base of sequence.			Rare pyrite - as irregular stringers and clusters of crystals within sediments and on fracture planes.
1.65					
1.00	43.8				
1.20	45	Red/Brown (chocolate) Shales. Fractured and broken red/brown fine grained shales with minor grey/pale green interbeds. Layering appears to be continuous across lower contact			Grey/pale lapilli tuff shale with chloritized fragments.
0.45	46.40				
		Grey/pale shales or tuffaceous shales with apparent lapilli fragments (?). Finely laminated. FAULT ZONE 46.55 - 47.70			Pyrite associated with fault zone breccia fragments and gouge.
	48.10				
1.25		Red/Brown Shales. Monotonous sequence of fine grained, finely laminated			
	50				

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Dominion

DIAMOND DRILL LOG

Hole No 1250 Page No 3

Feature : Bedding, Foliation, Fragment - size & shape (0%), Shearing, Fault (F), Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.00		brown shales. Small scale slump structures and micro faulting occur. Irregular blobs and patches of greyish/green shale. Subrounded limestone clasts at 52.60 and 53.95 and 63 a pale greyish/green chloritic shale. Chlorite developed of cleavage planes and as irregular veinlets. Layering generally around 45° to C.A. with slight variations parallel to C.A							less than 1% pyrite in sequence occurring primarily on cleavage planes and joints as single grains and aggregates of crystals. Rarely within chloritic zones as long stringer vein.
2.95	55								
3.00									
3.00	60								
1.35									
1.50									
2.90	65	Finely interbedded sequence of grey shale / brown shale / greyish green shale from 64.9 to 66.80. May reflect compositional variation							
2.90									
0.85	70	From 69.20 the sequence is more massive with rare greenish shale clasts occurring. Calcite veins developed during the last four meters - generally at 45° to C.A upto 1cm across and parallel to C.A as thin irregular veinlets.	c c c						
2.90									
1.15	74.0	Grey/green tuffaceous shales (?).	F						
	75								

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DIAMOND DRILL LOG

Hole N° 125D Page N° 4

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault (F), Vein (c carbonate, q quartz); Breccia

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
2.10		Chaotic sequence of finely bedded grayish-green siliceous tuffaceous(?) shales with minor limestone. Composed mainly of fragments, sections of micro faulted banded shales. Possible fault between 74.10 and 75.1 which has been healed by calcite. Network of calcite veins at 75.20							less 1% pyrite associated with the fault zone and as rare clots or patches
2.10									
1.8	80	Limestone blocks at 80.7, finely bedded and boudinaged in a chaotic shale matrix, End at 81.6							
1.5		Calcite infilled tension cracks irregularly oriented	c						
2.35		which calcite or carbonate veins within micro faults and cross cutting the core							
	85								
2.1		Contact with unit below quite sharp.							
	87.75								
1.6	89.10	Limestone Fractured limestone with interbedded shale. Breccia at 88.50 with calcite veins.	c						
		Grey Shales							
	90	Monotonous sequences of sheared fine grained erotic grey shales with interbedded black shales and minor limestone. Micro faults are quite common.							
		The unit often appears quite fragmented and the core is broken.							
		Limestone clasts occur within the shaly matrix at 90.60 94.65 - 95.10, 99.50.							
	95								
	100								

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DIAMOND DRILL LOG

Hole N° 1250 Page N° 5

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%; Common 5-15%; Abundant 15-60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
1.00					
0.44		Core ground at 102.1, possible shear area			
1.20		Shearing and broken core 103.0 - 107.40			
1.10					
105	105				
0.90					
1.30					
1.10		From 109.5 to 115 increase in limestone interbeds and clasts core more stable less sheared.			Minor pyrite associated with carbonate beds << 1%. galena at 112.00
0.60	110				
0.90					
1.00					
0.50		Rounded broken core at base possible fault (?)	F		
0.20	115	Limestone well bedded - fine grained grey, generally - minor shaly interbeds,			less 1% pyrite developed as crystals
	116.3	rounded carbonate clasts. Beds 45° C.A			
1.0		Grey Shale. Sheared and disrupted (soft sediment) grey fine grained shale with a limestone sequence between 118.5 - 118.9 - Carbonate smeared on fracture planes. Minor thin carbonate veins Beds 30° C.A			<< 1% pyrite as minute crystals
1.0	119				
2.0	120	Limestone. Poorly bedded at times chaotic fine grained dark grey porous limestone, with rare shaly clasts or interbeds. Core broken in first 2 metres and lost water. Minor irregular calcite veining Secondary pyrite in crumbly fault breccia (?) at 120.0			Minor pyrite developed as crystals in shaly chloritic material along tension cracks and fracture planes. chalcopyrite as a small patch. at 120.0.
1.5					
	123.6				
0.40		Grey Shale (lesser limestone) Fine grained chaotic grey shales with lesser porous limestones			
	125				

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DIAMOND DRILL LOG

Hole N° 1250 Page N° 6

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein; c carbonate, q quartz

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		The shales are generally the same as previously mentioned. Some areas are sheared (127.9 - 128.6, 132.8) Limestone units - 6cm at 127.50, 126 - 126.5 - generally massive, boudinaged and faulted (breccia, calcite - parallel to core axis) Possible graded bed'g at 126.25 showing sequence youngs up the hole Bed'g. > 45° C.A. 129.90 - 129.50 - limestone unit with minor interbedded shale, cross cutting calcite veins and calcite filled breccia zones - generally well bedded - graded bed'g. youngging up hole at 129.20, bed'g 50° C.A. chaotic shales, more massive for remainder of sequence. Contact with lower unit is sharp. Bed'g. 45° to C.A.							Fine grained pyrite in limestone units generally as discrete crystal, rarely seen in shaly rocks.
	130								
	134.55								
	135	Limestone Massive generally well bedded pale grey fine grained porous limestone, with minor shaly interbeds. Sections are broken and fractured with network of tension cracks giving a fragmented appearance. Sporadic calcite veining and fracture filling generally ½ mm but to 1 cm., distributed a several angles to core. Bed'g 45° C.A. at 137.5 Thin 2 cm finely laminated grey shale at 143.80 Bed'g 40° C.A. lower contact not seen Minor micro faulting associated with tension cracks.							Finely disseminated pyrite with local concentrations on joint planes and within shaly chloritic sections along tension cracks. < 1%
PET 137.5									
	140								
	144.5								
	145	Grey Shale. Poorly bedded grey shale with fractures filled by calcite.							
		Chert - Well bedded 55° to C.A. fine g. grey.							
		Grey Shale - Finely laminated fine grained grey shale - chloritic alteration in & adjacent to calcite veins							
		Chert - Pale grey fine grained poor to moderately well bedded chert with dendritic fracture pattern.							
		Grey Shale - chaotic poorly bedded fine grained grey shale - chlorite alteration in carbonate vein. lower contact possible faulted - core fell, stickers					F		
	150	Chert.							

Dominion

DIAMOND DRILL LOG

Hole No 1250 Page No 7

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		fine grained, greyish, poorly bedded chert - dendritic fracture pattern							
		Cherty Shales - poorly bedded, fractured and disrupted - siderite micro veins.							Minor disseminated pyrite in fractures and smears.
	155	Chert. Pale grey fine grained chert with dendritic fracture pattern. Rare calcite veining - ½ cm at 154.2 - containing qtz and calcite some open cavities with perfect recrystallized quartz - possible fault 50° to C.A. Fault at 157.12 - filled with calcite and chlorite slickensides present 48° C.A. lower contact sharp.							
	157.45	Grey/Brown Shales - finely bedded grey shales and grey/brown shales, transitional phase. Irregularly fractured, with siderite & chlorite fill. Bed's 45° C.A. Fragmental texture towards base. contact with underlying unit 50° to C.A, possible breccia and silicification. Micro faulting common							
	161.04								
		Grey/Green Tuffaceous Shale Finely laminated siliceous tuff/shale. Tension cracks commonly filled by chlorite and calcite - micro faulting common. Contact with unit below is gradational over last 10 cm. Bed's 50° to C.A.							Minor embedded pyrite, fine grained chalcopyrite
	165	Red/Brown Shale Massive to poorly bedded with micro faults and green patchy altered chloritic shale clasts.							
		Grey/Green/Brown Shale - Finely bedded shales - minute calcite veins, fractures filled with chlorite. Bed's 60° to C.A. lower contact gradational. Fault - disruption of bed's - chlorite calcite filled. 45° C.A.							
	168.00								
	170	Red/Brown Shales/Tuffs. Finely laminated fine grained shales with grey/green interbedded tuffaceous shales. The brown shales are monotonous with streaky or patchy greenish alteration zones. Hairline fractures filled with calcite, chlorite oriented at irregular angles. Finely laminated tuffaceous shales.							Minor sulphides, but 2% pyrite with minor chalcopyrite occurring in green tuff between 172.45 - 172.98 The pyrite occurs as round balls upto ½ cm in diameter but more commonly 2 mm, within veins and fractures and as fine grained crystals on cleavage
	175								

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DIAMOND DRILL LOG

Hole N° 1250 Page N° 8

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
3.0		greyish green in colour from 170.86 - 171.30, 172.45 - 172.98, 173.64 - 173.74, 178.36 - 179.88. - All units are fine grained with chlorite developed on fracture planes. Calcite/chlorite vein at 172.72 and chloritic patches. with small scale fracturing seen between 172.45 - 172.98			planes. Dissemination of pyrite within brown shales on cleavage planes. Minor patchy aggregates of chalcopyrite associated with veins.
2.0	180	Bedding 30° to C.A at 172.72.			
2.0	181.40	Tuffaceous Shale - fine grained well bedded grey to green/grey buff/shale fractured, with chlorite and calcite fill.			
		Red/Brown Shales			
0.70		Monotonous sequence of red/brown shales altered and irregularly bedded. varying from fine scale lamination, to fragmented broken areas.			
1.30	185	Chlorite developed in tension cracks, adjacent to calcite veins, as irregular patches and on several cleavage planes.			
3.0		Sections of the core are fragmented - 182.00 - 182.15, 183.30 - 184.10., 188.50 - 188.55 193.30 - 194.00, 194.60 - 194.67. Fragments vary 1mm to 2cm across but usually 1/2 cm.			
	190	Calcite vein 45° to C.A at 184.73 and 185.30. - 3mm thick. Other randomly oriented mini veins throughout core.			
3.0					
	195				
2.70					
	200				

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Dominion

DIAMOND DRILL LOG

Hole N° 1250 Page N° 9

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
3.1		Lower contact is gradational.			
		Grey/Green Tuff Shale. Fine grained grey with siliceous shaly buff. - erratic and irregularly banded - clots of fine grained porous carbonate.	c		Minor pyrite developed on cleavage or fracture planes.
1.2		Fault Zone - Calcite lined - shale frags.	F		Greater than 60% galena associated with fault zone
		Limestone - pale grey with fine grained porous generally well bedded. Several calcite veins - slight tension cracks and minor disruption - Bed's 35°CA. minor shale after fault zone			Pyrite found in carbonate veins.
2.3	205	EOH			

GEOLOGICAL LOG

HOLE No. C1250

SHEET No. 1

From ..... To .....

LIFTS			DRILL INTERVAL			BEDDING	ROCK TYPE	DESCRIPTION	ASSAYS		
From	To	Recovery	From	To	Length	Angle to Core Axis			% Snt	% Sns	% Cu
0	3·0	TRICONE	0	3·0	3·0		No Core.	Tricone drilling.			
3·0	6·0	H core 1·00	3·0	7·0.	4·0	Parallel	weathered chloritic shales	Basic Red brown shales altered to			
6·0	9·00	1·30						light grey with abundant limonite			
9·00	12·00	1·40						goethite veins and stains minor			
12·00	15·00	0·45						units of light ~~go~~ brown soft friable			
15·00	17·40	0·60						clays? Structure is chaotic in nature			
17·40	18·00	0·15						~~with~~ and parallel to C.A. it may			
18·00	19·00.	0·90						be the result of tectonics but			
1900	22·00	0·50						could be local in nature no			
22·00	23·20.	N core. 1·00						foreign fragments appear to be present.			
23·20	24·00	0·60	7·0	7·20	0·20.	45°	? Fault ?	Massive goethite limonite vein appears			
24·00	24·60	0·50						to be brecciated			
24·60	26·0	1·40	7·20	23·20	16·00		weathered grey shales	light grey shales with minor dark grey			
26·00	26·60	0·20						shale units and rare rounded blobs			
								of soft friable limonite clays?			
								Limonite staining on joints very			
								common and core is highly			
								fractured General habit of unit is			
								chaotic. Minor massive goethite veins present.			

N.W.P.S.

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GEOLOGICAL LOG

HOLE No. C.1250

SHEET No.....

From.....To.....

LIFTS			DRILL INTERVAL			BEDDING	ROCK TYPE	DESCRIPTION	ASSAYS		
From	To	Recovery	From	To	Length	Angle to Core Axis			% Snt	% Sns	% Cu
26·60	28·0	1·20						27·80 - 22 grey shales contain			
28·0	28·40	0·40						minor ~~[illegible]~~ sulphides (pyrite)			
28·40	29·40	0·65						and shreds of dark grey shales			
29·40	30·00	0·05						Pyrite appears to be syngenetic.			
30·00	31·0	0·30						28·5 appears to be the end of			
31·00	32·50	1·10						major limonite staining on pits			
32·50	33·5	0·65	23·20	28·40	5·20		Red Argillites	mud red shales with minor grey			
33·50	34·0	0·60						and some variation in tones of			
34·00	35·10	1·05						red.			
35·10	36·40	0·70						Upper contact appears to be interfingering			
36·40	37·00	0·50						of grey & Red rocks.			
37·00	39·40	1·50						Core still broken Pyrite present on			
39·40	40·80	1·30						~~Joints~~			
								Minor banding present as part of			
								soft sed deformation. Minor			
								silicification present in irregular			
								patches.			

N.W.P.S.

HOLE No.....

GEOLOGICAL LOG

SHEET No.....

From.....To.....

LIFTS			DRILL INTERVAL			BEDDING	ROCK TYPE	DESCRIPTION	ASSAYS		
From	To	Recovery	From	To	Length	Angle to Core Axis			% Snt	% Sns	% Cu
~~28·40~~.			28·40	37.45	9·05	45-50.	grey shales	Dominantly grey (mid) with minor units of darker grey and rare units which have a red tone. Pyrite ~~not~~ uncommon in and around joints. Limonite staining at joints still present. Unit generally finely banded as shown by minor colour and grainsize variation ~~=~~ The banding being highly contorted and chaotic in detail (micro folds folds etc)			
			37.45	39.95	2·50		limestone/ shale/	Cream limestone with inter banded grey shales (shales as above) limestone medium to finely ~~of~~ crystalline 2 small fragments with fine pyrite are on the up hole contact Contact is sharp with minor interfingering and deformation Fine bedding common in the more massive intervals of limestone	⊕	Small inter of highly chaotic limest + Shale	

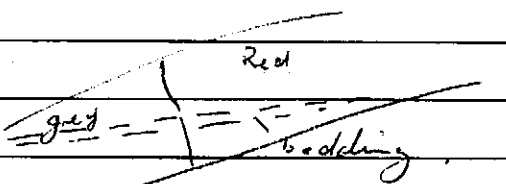
N.W.P.S.

HOLE No. C1250

GEOLOGICAL LOG

SHEET No.....

From.....To.....

LIFTS			DRILL INTERVAL			BEDDING	ROCK TYPE	DESCRIPTION	ASSAYS		
From	To	Recovery	From	To	Length	Angle to Core Axis			% Snt	% Sns	% Cu
40·80	43·0	1·65	39·95	43·80.	3·85	45°-5°	grey shales.	light to mid grey banded shales. ~~banding~~ disturbed in detail.			
43·00	44·0.	1·00						contact with limestone sharp.			
~~44·00~~ 45·39	45·39.	1·20						Core still broken along bedding.			
45·39 ~~47·70~~	47·70.	0·95						~~fine pyrite along some Bedding (Syngenetic)~~			
47·70 ~~49·00~~	49·00	1·25	43·80.	45·75	1·95		Red Argillites.	med. Red argillites minor tonal			
~~49·00~~	52·00	3·00						variations in colour & minor			
52·00	55·00	2·95						variation in grainsize Bedding			
55·00	58·00	3·00						disturbed.			
			45·75	46·55	0·80		grey shales	high grey pyritic shales this appears			
								to be a variation of the red			
								units as bedding is continuous			
								across the colour contact			
											
			~~46·55~~	47·70	1·15	45°	Fault.	Pyritic and carbonate infilled			
								breccia of grey and red rocks.			

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HOLE No. C1250

GEOLOGICAL LOG

SHEET No. .....

From ..... To .....

LIFTS From	LIFTS To	LIFTS Recovery	DRILL INTERVAL From	DRILL INTERVAL To	Length	BEDDING Angle to Core Axis	ROCK TYPE	DESCRIPTION	ASSAYS % Snt	ASSAYS % Sns	ASSAYS % Cu
58.00	61.00	3.00	47.70	73.95	26.25	45°	Red. Argillite.	Red finegrained shales.			
61.00	62.40	1.35						Upper fault contact grey for 15cm			
62.40	64.00	1.50						Unit disturbed in detail			
64.00	67.00	2.90						52.55 and 53.2. 62.95 Sub rounded to			
67.00	69.20	2.00						rounded. 5cm ~~blod~~ cobbles of			
69.20	70.00	0.80						white fine grained limestone in grey shales.			
70.00	73.00	2.90						Tonal variation in colour			
73.00	74.80	1.75						display the disturbed nature of			
74.80	78.00	3.10						the unit. Pyrite is comon in			
78.00	80.00	2.00						veind and on joints.			
80.00	81.80	1.80						Jnts near parrallel to C.A.			
81.80	83.40	1.50	73.95			0-80	grey shales.	mid to light grey. highly chaotic and			
83.40	85.90	2.25		74.80		45	FAULT (carb. infill)	disturbed shales. minor variation in			
85.90	88.00	2.10						grainsize (fine - medium) and colour.			
88.00	91.00	1.60						Banding if recognizable varies in			
								less than 1 meter from parrallel			
								to CA to 80°.			
								Chlorite infill of fine tension			
								fractures.			

N.W.P.S.