



NOR CLAIM GROUP

DAWSON MINING DISTRICT
YUKON TERRITORY

DIAMOND DRILL LOGS

FOR

GETTY MINERALS LIMITED

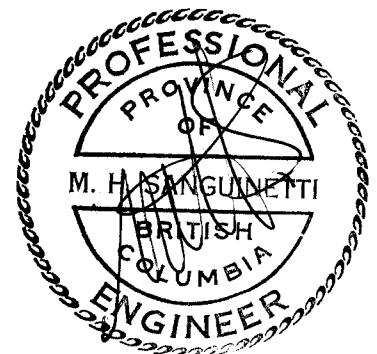


By

CORDILLERAN ENGINEERING
1418 - 355 Burrard Street
Vancouver, B.C. V6C 2G8

CLAIMS: NOR 1-24 ... YA10244-67

WORK PERIOD: July 5 - August 12, 1978



091311

135° 25' W

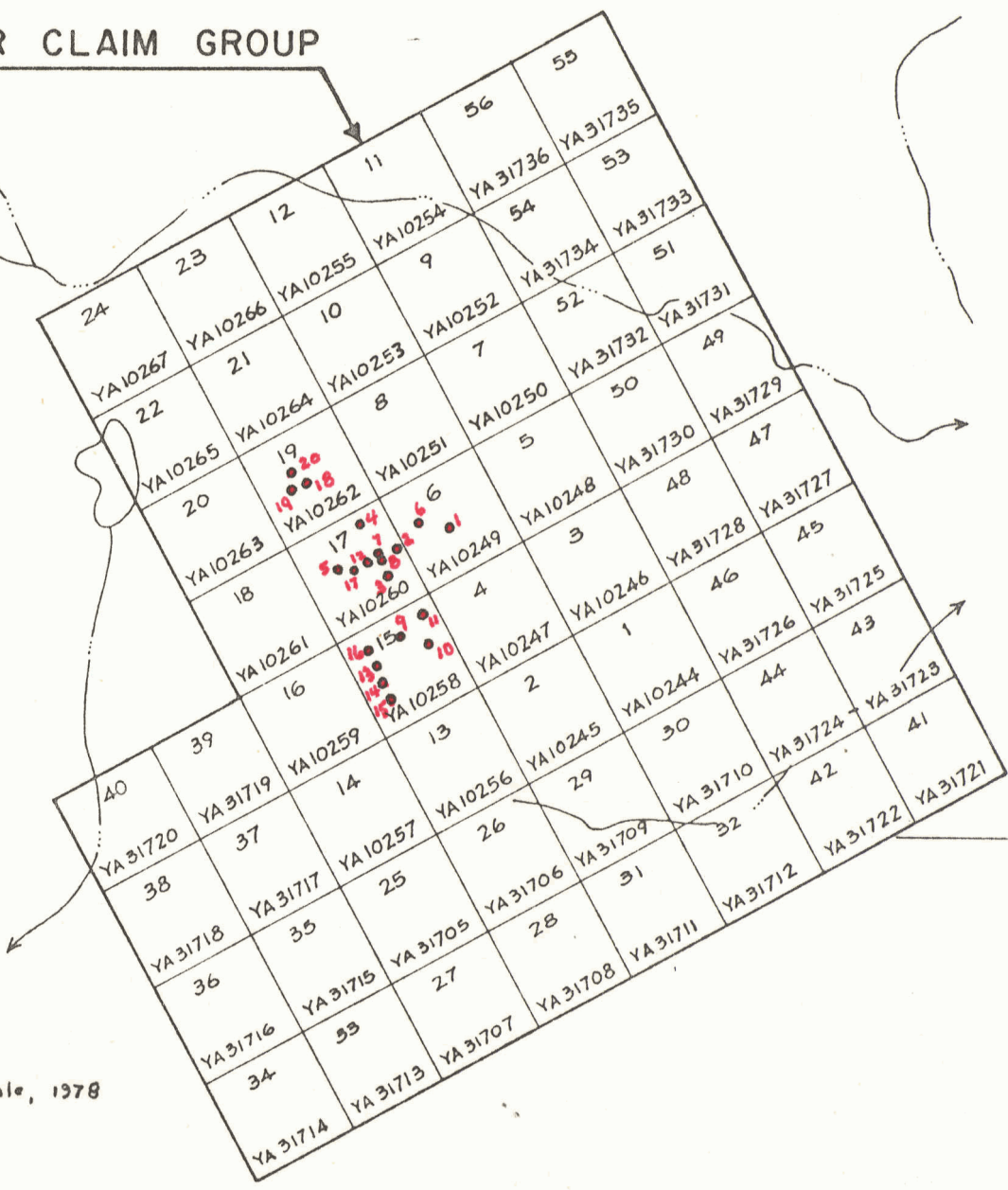
135° 20' W

NOR CLAIM GROUP

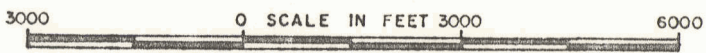
NTS 106 L/6

66° 15' N

NTS 106 L/3



● 5 Diamond drill hole, 1978



GETTY MINERALS LIMITED
 NOR CLAIM GROUP
 DAWSON MINING DISTRICT, YUKON TERRITORY
 NTS 106 L/3, L/6

CORDILLERAN ENGINEERING
 1418 - 355 BARRARD STREET
 VANCOUVER B.C. V6C 2G8

OCTOBER 1978

FIGURE 2

CORDILLERAN ENGINEERING

DIAMOND DRILL SUMMARY RECORD

PROPERTY: NOR 1978

HOLE No.	NORTHING	EASTING	ELEV'N	SECTION	INCLINATION	AZIMUTH	O' BURDEN	CLAIM	% REC'Y	DATE START	DATE FINISH	REMARKS	HOLE DEPTH	TOTAL
NOR 78- 1	1+95N	1+05E	920		-50°	270°	1.8	NOR 6	68	JULY 8D	JULY 8N	47' casing abandoned	22.86	22.86
NOR 78- 2	1+50N	0+49E	951		-90°	-	3.0	NOR 17	86.5	JULY 9D	JULY 10D	19' casing	45.11	67.97
NOR 78- 3	1+00N	0+04W	988		-90°	-	3.0	NOR 17	92.6	JULY 10N	JULY 11N	12' casing	46.3	114.27
NOR 78- 4	2+00N	0+00	962		-60°	180°	3.0	NOR 17	78.7	JULY 12D	JULY 12N	12' casing abandoned	15.85	130.12
NOR 78- 5	1+50N	0+50W	975		-90°	-	1.5	NOR 17	87.7	JULY 13D	JULY 13N	5' casing	23.5	153.62
NOR 78- 6	2+54N	0+54E	930		-90°	-	2.4	NOR 6	95	JULY 14D	JULY 14N	5' casing	38.1	191.72
NOR 78- 7	1+30N	0+15E	974		-90°	-	2.4	NOR 17	93.1	JULY 15D	JULY 15N	9' casing	15.6	207.32
NOR 78- 8	1+31N	0+16E	974		-60°	090°	3.0	NOR 17	86.5	JULY 15N	JULY 16D	13' casing	25.6	232.92
NOR 78- 9	0+69N	0+35E	976		-60°	270°	1.2	NOR 15	74.7	JULY 16N	JULY 17N	7' casing	25.0	257.92
NOR 78-10	0+40N	0+95E	953		-60°	270°	1.5	NOR 15	87.3	JULY 18D	JULY 19D	5' casing	53.3	311.22
NOR 78-11	1+02N	0+86E	949		-60°	315°	2.4	NOR 15	56.4	JULY 19N	JULY 20D	32' casing	13.1	324.32
NOR 78-12	1+32N	0+06E	975		-60°	211°	2.2	NOR 17	84.5	JULY 21D	JULY 23D	40' casing 158' rods lost	54.25	378.57
NOR 78-13	0+34S	0+12E	979		-60°	0°	3.0	NOR 15	71.2	JULY 23D	JULY 27D	35' casing	20.73	399.30
NOR 78-14	0+60S	0+12E	976		-60°	0°	2.4	NOR 15	90.4	JULY 27D	JULY 28D	10' casing	22.25	421.55
NOR 78-15	0+92S	0+12E	965		-60°	0°	3.0	NOR 15	54.5	JULY 29D	JULY 29D	15' casing abandoned	6.1	427.65
NOR 78-16	0+38.5N	0+00	994		-60°	150°	2.4	NOR 15	88.1	JULY 31D	AUG. 1D	10' casing abandoned	43.6	471.25
NOR 78-17	1+35N	0+26W	974		-60°	090°	3.3	NOR 17	62.1	AUG. 3D	AUG. 3D	10' casing abandoned	16.15	487.4
NOR 78-18	9+10N	4+28W	792		-60°	270°	3.0	NOR 19	86	AUG. 4D	AUG. 4D	17' casing	29.9	517.3
NOR 78-19	9+22.5N	4+60W	782		-60°	090°	0.9	NOR 19	90.1	AUG. 6D	AUG. 7D	5' casing abandoned	25.9	543.2
NOR 78-20	9+50N	4+48.5W	786		-60°	090°	2.4	NOR 19	72.5	AUG. 7D	AUG. 8D	29' casing abandoned	28.04	571.24

NOTE: DEPTHS AND ELEVATIONS IN METRES.

TOTAL DEPTH 571.2 m.
1874 ft.

CORDILLERAN ENGINEERING — DIAMOND DRILL LEGEND

SECTION cm = 1 m						GEOLOGY	COMMENTS: LITHOLOGIES	PROPERTY: NOR
0								PAGE NO. 2 OF 2
1							<u>Geology</u>	
2					1		- PE1 - Tan, mauve or grey, brown weathering, silty limestone, argillite, calcareous siltstone and sandstone. Variably silicified; banded, bedded or laminated and often contains calcite in veinlets, vug fillings, fracture coating or irregular inclusions. Frequently carries weak copper mineralization, generally limonite stained.	
3					2			
4					3			
5					4		- PE1/PE2 Transition - Alternating layers of calcareous siltstone, sandstone, argillite and phyllite. Generally altered and pale in colour; frequently brecciated and often containing specular hematite, calcite and chlorite.	
6					5			
7					6			
8					7		- PE2 - Pale grey, green, white argillite and phyllite; intercalated with light green siltstone, sandstone and sub-parallel quartz bands. Seldom calcareous, only trace amounts of copper mineralization.	
9					8			
10					9		- hBx - Heterolithic Breccia - Sub-rounded to sub-angular fragments of grey indurated sandstone, grey quartzo-feldspathic sandstone, pink feldspathic sandstone, jasper, chert, specular hematite and phyllite. Matrix is rudite textured, calcareous, chloritic and frequently hematitic.	
11					10			
12					11		- hBx-MsHe - Heterolithic Breccia and Massive Specular Hematite - Brecciated sandstone, siliceous or calcareous, with matrix of quartz grains and up to 85% massive specular hematite. Frequently magnetic.	
13					12			
14					13		- Meta hBx-Meta-Heterolithic Breccia - Grey, quartzo-feldspathic sandstone fragments, minor foliation depicted by specular hematite. Chloritic, and containing up to 15% hematite in indurated sandy matrix.	
15					14			

CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. NOR 78-2

CLAIM: NOR 17

PROPERTY: NOR

PAGE No. 3 of 4

SECTION	Accessory Minerals	Texture	Bedding	Structure	GEOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL	6	NUMBER	ASSAYS									
											DESCRIPTIVE	GEOLOGY								
27																				
28		Δ																		
29																				
30		Δ																		
31		Δ																		
32		Δ																		
33		Δ																		
34	Ca	Δ																		
35		Δ																		
36		Δ																		
37		Δ																		
38		Δ																		
39		Δ																		
40		Δ																		
41		Δ																		
42		Δ																		

INCREASED BRECCIATION TO DISCRETE FRAGMENTS DOWN SECTION

LOWER CONTACT BROKEN @ 25°
HEAVILY LIMONITISED, SEVERELY OXIDISED, BROKEN
CORE, LESS DECOMPOSED SECTIONS OF RELICT
BRECCIA WITH 60% LIMESTONE FRAGMENTS IN
LIMONITISED MATRIX. UNDERLAIN BY 1m, GREY
AND BROWN CALC-ARENITE.

New section with LIMONITE BANDS (to 0.75cm), TERMINATED OR
OFFSET BY FRACTURES PARALLEL TO BOUNDING FRACTURES -
POSSIBLE RELICT BEDDING.

SUBPARALLEL WHITE CALCITE VEINS (to 2mm), RARE CALCITE
CRYSTAL LINED VOIDS (to 0.75cm x 0.5cm)
LIGHT GREY AND BROWN, LESSER DARK GREY
ARENACEOUS LIMESTONE, MEDIUM TO FINE GRAINED
IRREGULARLY MOTTLED WITH 45% LIGHT GREY
PATCHES (to 20um) AND BROWN PATCHES ACCENTUATED
BY DARKER 0.5cm RIM. SPECULAR HEMATITE
GRAINS TO 3% AND MINOR CRYSTALLINE CALCITE,
RECTANGULAR FRACTURES.

SINUOUS FRACTURE SUBPARALLEL TO CORE, PARTIALLY REVENED
WITH 0.5cm CALCITE AND BLACK MANGANESE COATING.
0.5m LIMONITE STAINED OPEN FRACTURE
MINOR GROUND CORE

0.5cm CRYSTALLINE CALCITE ON OPEN FRACTURES.
LINEATION OF DARK GREY (HEMATITE?) GRAINS IN BANDS, AND
PARALLEL REPEATED FRACTURE ANGLE MAY INDICATE RELICT
BEDDING.

IRREGULAR INCLUSIONS (to 0.4cm x 1.25cm) OF COEHLITE
WITH LIMONITE AUREOLE, ALONG IRREGULAR FRACTURE
SUBPARALLEL TO CORE.

CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. NOR 78-6

CLAIM: NOR 6

PROPERTY: NOR

PAGE No. 3 of 3

SECTION	ACCRETIONARY MIFACIALS	TEXTURE	BEDDING	STRUCTURE	GEOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS										
									Cu ppm	U ppm									
									Cu ppm	U ppm									
27																			
28																			
29																			
30		l	Δ			BROKEN CORE OF ANGULAR BRECCIATED SILTSTONE WITH EARTHY BROWN LIMONITE COATING ALONG RANDOM ORIENTED FRACTURES, WITH MANGANIFEROUS SPECKLING AND SCALE.													
31		l	Δ																
32			Δ																
33			Δ			GREY WITH MINOR WHITE OR HEMATIC RED MOTTLED PATCHES (TO 8um), CALCAREOUS SILTSTONE. RECEMENTED ANGULAR BRECCIATED PATCHES (TO 25um) OF SILTSTONE FRAGMENTS IN COARSER MATRIX.													
34	sh Cu					7cm SECTION OF BLACK FRIBLE HEMATITE WITH 1mm LIMONITE INCLUSIONS SURROUNDED BY MALACHITE AUREOLE (5%) VERY IRREGULAR CONTACT WITH LIGHT GREY SILTSTONE FRAGMENT(?) SUBPARALLEL TO CORE.													
35	Cu		Δ			TO 20% BLACK IRON OXIDE WITH SOME MAGNETITE, AS BANDS TO 2um, OR MILDLY BRECCIATED, MALACHITE ALONG FRACTURES													
36			Δ																
37																			
38						GREY BROWN, LESSER PINK BRECCIATED SILTSTONE, WITH VERY FINE SANDSIZ MATRIX (TO 20%), MANGANESIC SPECKLES AND SCALE ALONG JUMP FRACTURES, AND IN MATRIX. CORE BROKEN ALONG IRREGULAR MANGANESE COATED FRACTURE, TRENDING PARALLEL TO CORE.													
						HOLE COMPLETED.													

35.8 m 4100 2

CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. *NOR 78-7*

CLAIM: *NOR 17*

PROPERTY: *NOR*

PAGE No. *2* of *2*

SECTION	Accessory Minerals	Texture	Bedding	Structure	GEOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL	NUMBER	ASSAYS									
										DESCRIPTIVE	GEOLOGY								
12					S														
13					S	TO 10% IRREGULAR WHITE QUARTZ INCLUSIONS.													
14	Chl				S	PEZ: - BROKEN CORE WITH FINELY LAMINATED PIECES (TO 10cm) OF 70% CHLORITIC ARGILLACEOUS SHALE WITH TO 20% PALER GREENISH SILTSTONE, AND WHITE QUARTZ BANDS (TO 0.75cm)													
15	Ca				S	70% WHITE BARREN, INTENSELY MICROFRACTURED QUARTZ WITH TO 30% ANGULAR DRUSY WHITE CALCITE REEMENTING AND BLOCKY INCLUSIONS (TO 1cm x 0.5cm)													
						HOLE COMPLETED.													
20																			
2																			

EDH.

CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. NOR 78-8

CLAIM: NOR 17

PROPERTY: NOR

PAGE No. 2 of 2

SECTION	Accessory Minerals	Texture	Bedding	Structure	GEOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS										
									DESCRIPTIVE	GEOLOGY									
12																			
13																			
14																			
15	Ca																		
16																			
17																			
18																			
19																			
20																			
21	l																		
22																			
23	l																		
24																			
25	Cu A																		

BRECCIATED GREY SILTY SANDSTONE ABUTTING BROWN SANDY SILTSTONE, SUBPARALLEL TO CORE, AND RECEMENTED BY WHITE CALCITE (TO 2mm).

INTENSELY BRECCIATED SILTY FRAGMENTS IN SANDY MATRIX.

COLOUR BANDING, POSSIBLY RELICT BEDDING

TRANSITION: -PG1 + PG2 CHARACTERISTICS: - SECTIONS (TO 8cm) OF GREEN ARGILLACEOUS SHALE DOMINANT BANDS (TO 4cm); AND MAUVE AND PINK COLOURED-BANDED SILTSTONE DOMINANT BANDS (TO 8cm)

PG2: - GREEN ARGILLACEOUS SHALE AND LIGHTER GREEN SILTSTONE, INTENSELY BRECCIATED WITH LESSER GREY SANDY SILTSTONE.

PG1: - PINK TO REDDISH-BROWN, MINOR GREY CALCAREOUS SILTSTONE WITH MANGANIFEROUS SCALE ON LIMONITE COATED FRACTURES, FREQUENT WHITE CALCITE VEINLETS, ESPECIALLY IN LOWER PORTION.

INTENSELY BRECCIATED PINK-TAN SILTSTONE FRAGMENTS (TO 1.5cm) IN A ST MAUVE FINE SANDSZE MATRIX.
CORE BROKEN ALONG FRACTURES WITH EARTHY LIMONITE AND MANGANIFEROUS SCALE ON PIECES.

BROKEN CORE OF MORE POROUS, OXIDISED, FRAGILE OXIDISED SILTSTONE, WITH LIMONITE COATED OPEN FRACTURES, AND STAINED TIGHT FRACTURES.

RED-BROWN CALCAREOUS SILTSTONE WITH COLOUR BANDING PARALLEL TO CORE, INTENSE, WELL RECEMENTED FRACTURING WITH MINOR MOVEMENT, SEVERAL WHITE CALCITE VEINS (TO 0.5cm).

CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. NOR 78-12

CLAIM: NOR 17

PROPERTY: NOR

PAGE No. 4 of 4

SECTION	Accessory Minerals	Texture	Bedding	Structure	GEOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL	NUMBER	ASSAYS															
										DESCRIPTIVE	GEOLOGY														
43						128 ft. of reds, bit, shell lost in hole due to sanding-in.																			
44						SILTSTONE BANDS (1.0cm TO 2.0cm) INTERCALATED WITH BROWNER SANDSTONE BANDS (TO 0.25cm) CALCULATED, (APPROX 2.0cm) AND 0.5cm (1).																			
45																									
46						BROWN CORE																			
47		Δ				INCREASED DEFORMATION AND SANDY CONTENT (TO 65%), WITH GREY SILTSTONE FRAGMENTS (1.0cm TO 2.0cm) IN SANDY MATRIX.																			
48		Δ																							
49		Δ																							
50	Ca	Δ				0.4cm CRYSTALLINE WHITE CALCITE VEIN																			
51		Δ																							
52		Δ				SEMIPLASTIC DEFORMATION OF INTERGRADED 45% GREY-BROWN SILTSTONE BANDS (0.25cm TO 2.0cm), WITH MANGANIFEROUS SPECKLING, AND BROWN-GREY FINE SANDSTONE BANDS.																			
53																									
54						HOLE LOST																			

K.C.H.

CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. NOR 78-14 CLAIM NOR 15 PROPERTY NOR CLAIM GROUP PAGE No. 1 of 2
 CORE SIZE BQ AZIMUTH 0° NORTH ELEV. COLLAR 976 m LOGGED BY NORMAN W. STACEY
 ANGLE of HOLE -60° TOTAL DEPTH 22.25m SOUTHING 0+60 S DATE BEGUN JULY 27 FINISHED JULY 28
 SECTION % RECOVERY 90.4 EASTING 0+12E CORE STORED AT PROPERTY

SECTION	Accessory Minerals	Texture	Bedding	Structure	GEOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL	NUMBER	ASSAYS										
										DESCRIPTIVE	GEOLOGY									
0																				
1																				
2																				
3	D	Δ			hBx															
4	Δ				h															
5	Ca	Δ			h															
6	Δ				h															
7	Δ				h															
8	Ca	Δ			h															
9	Δ				h															
10	h	Δ			h															
11	h	Δ			h															
12	h	Δ			h															

COMMENTS:
 PURPOSE: To intersect southern contact of hBx with PE1 or PE2.

OVERBURDEN - NO CORE RECOVERED

hBx: - GREY LESSER PINK, WITH WHITE CALCITIC INTERVAL DOWNSECTION, ALTERNATIVELY SILICIFIED OR CHLORITISED, SILTY SANDSTONE.
 GRY, FELDSPATHIC CEMENTED, FINE GRAINED QUARTZ WITH SPECULAR HEMATITE IN VERMIFORM TRACES (0.3um TO 2.0um), AND ALONG TIGHT FRACTURES. TRACE CALCITE ALONG TIGHT FRACTURES.
 BROKEN CORE OF CHLORITISED PIECES TO 4um WITH MINOR PINK, LENTICULAR SILTSTONE FRAGMENTS (TO 0.0um x 0.5um)
 PINK AND GRAY SILTSTONE WITH VERY SILICEOUS, INTENSELY MICROFRACTURED BANDS (TO 5um), WITH MINOR HEMATITE SPECKLING AND RARE WHITE CALCITE INCLUSIONS (TO 0.5um x 2.5um), AND CHLORITE ALONG FRACTURES

FREQUENTLY BROKEN CORE WITH MORE BRECCIATED SANDSTONE, CHLORITISED ADJACENT TO FRACTURES.

WHITE SPARRY CALCITE WITH TRACE CALCITE ALONG VERY TIGHT FRACTURES.

INTENSELY BRECCIATED FREQUENTLY BROKEN CORE FRAGMENTS (APPROX 0.25um) OF WHITE TO VERY PALE PINK, CALCAREOUS, FELDSPATHIC, FINE TO MEDIUM-FINE GRAINED SANDSTONE, IN 55%, SIMILARLY GRAIN SIZED CALCIUM MATRIX, WITH MINOR SPECULAR HEMATITE, MINOR IRREGULAR WHITE SPARRY CALCITE INCLUSIONS (TO 2.5um x 0.75um), WITH PERIPHERAL CONCENTRATION OF CHLORITE. LOWER CONTACT IRREGULAR @ 55° TO 60° TO CA.

hBx AND M₃ He: - WELL BRECCIATED SANDSTONE WITH SECTIONS TO 85% SPECULAR HEMATITE.
 85% SPECULAR HEMATITE WITH VERY CALCAREOUS, VOID INCLUSIONS (APPROX 0.2um RARELY TO 2.0um), RARE CALCITE VEINS (TO 2mm) @ 35° AND RARE CHLORITIC BANDS TO 5um.

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. NOR 78-14

CLAIM: NOR 15

PROPERTY: NOR

PAGE No. 2 of 2

SECTION	Accessory Minerals	Texture	Bedding	Structure	GEOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS										
									DESCRIPTIVE GEOLOGY										
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
B.G.M.																			

65% TO 75% LIGHT GREY OR PALE BROWN SUB-ANGULAR, SILTY SANDSTONE FRAGMENTS (APPROX 1cm) IN ALTERNATELY NEPHYTIC AND/OR CALCITIC MATRIX. ANGULAR, SPECULAR NEMATITE (TO 0.75cm LONG), AND AS RARE, FINE-GRAINED BANDS (TO 2mm) OFTEN TRENDING 45°.

AS 9.5m WITH INCREASED LARGER INCLUSIONS.

20% LARGER FRAGMENTS (TO 5cm), OF GREY, NON-CALCAREOUS, QUARTZ-FELDSPATHIC SILTY SANDSTONE.

10% TO 15% WHITE SPARKY CALCITE AS IRREGULAR VEINS TO 4.5cm, FREQUENTLY TRENDING @ 20° TO 25°

HOLE COMPLETED

CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

 HOLE No. *NOR 78-16*

 CLAIM: *NOR 15*

 PROPERTY: *NOR*

 PAGE No. *4* of *4*

SECTION	Accessory Minerals	Texture	Bedding Structure	GEOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL #	NUMBER	ASSAYS									
									DESCRIPTIVE	GEOLOGY								
42																		
43	R	△			<p>45% FRAGMENTS OF PINK, CALCAREOUS, ANGLIAR, SANDSTONE FRAGMENTS (TO 4mm X 3mm), IN SLIGHTLY CALCAREOUS, FINE TO MEDIUM GRAINED, EQUICRYSTALLINE MATRIX.</p> <p>VERY BROKEN CORE. 25% TO 30% LIMONITE STAINED.</p> <p>HOLE ABANDONED DUE TO EXCESSIVE CAVING.</p>													



CORDILLERAN ENGINEERING LIMITED - DIAMOND DRILL RECORD

HOLE No. NOR 78-19

CLAIM: NOR 19

PROPERTY: NOR

PAGE No. 2 of 4

SECTION / cm = 0.5m	Accessory Minerals	Texture	Bedding	Structure	GEOLOGY	COMMENTS:	% CORE RECOVERED	SAMPLE INTERVAL	NUMBER	ASSAYS									
										DESCRIPTIVE GEOLOGY									
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			

PE1: - MAUVE PINK, LESSER RED AND GREY BANDED, SPORADICALLY CALCAREOUS SILICEOUS SILTSTONE, WITH LARGE (2.5cm x 1.5cm) LOAD CASTS.

hBx: - HETEROLITHIC BRECCIA: - As 5.5m

PE1: - INTENSELY FRACTURED TAN AND PINK BANDED SILTSTONE WITH TO 10% WHITE CALCITE RECRYSTALLIZATION.

hBx: - HETEROLITHIC BRECCIA WITH FRAGMENTS (TO 10cm) OF RED SILICEOUS SILTSTONE, INTENSELY FRACTURED WITH CALCAREOUS VEINLETS

PE1: - BRECCIATED PINK SILTSTONE WITH 10% WHITE CALCITE INCLUSIONS (TO 0.75cm x 0.25cm) AND MINOR CHLORITE ALONG FRACTURES.

hBx: - HETEROLITHIC BRECCIA: - 35% FRAGMENTS (TO 2.0cm) OF 65% SUB-ANGULAR PE1, AND LESSER INDURATED GREY SILTSTONE

PE1: - GREY, PINK AND TAN BANDED IN UPPER PORTION, SILICEOUS SILTSTONE. BRECCIATED UPPER AND LOWER PORTIONS, WITH GENITELY REGULARLY BEDDED, EXHIBITING SOFT SEDIMENT DEFORMATION SUCH AS LOAD CASTS AND CROSS-BEDS. NUMEROUS CROSS-CUTTING WHITE QUARTZ AND/OR CALCITE VEINS. BANDED SILTSTONE WITH TO 15% WHITE VEINS OF QUARTZ OR CALCITE, FREQUENTLY INTERBEDDED TO 1cm.

Prominent cross-beds. FORESET 3cm.

Prominent load casts.

CONTINUAL FRACTURES @ 5° to 10° to CIA, FREQUENTLY ACCOMPANIED BY (TO 0.5cm) WHITE CALCITE. IN GREY SILICEOUS SILTSTONE, WITH TRACE CALCITE ALONG TIGHT FRACTURES.

