

PROPERTY FILE

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FORERUNNER RESOURCES INC.

RR # 3, BOX 12, SCHILLING SITE,

QUESNEL, B. C.  
V2J 3H7

1989 GEOLOGICAL EXPLORATION REPORT  
of the Cariboo Gold Property

LIKELY, B. C.  
CARIBOO MINING DIVISION

NTS 93A/14W  
52.50'N, 121°25'W

PREPARED FOR  
NOBLE METAL GROUP INCORPORATED  
813-543 GRANVILLE ST.  
VANCOUVER, B. C.  
V6C 1X8

PREPARED BY  
TERRY D. GARROW  
FORERUNNER RESOURCES INC.

DEC 1, 1989

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FORERUNNER RESOURCES INC.  
R R # 3, BOX 12, SCHILLING SITE  
QUESNEL, B. C.  
V2J 3H7

Casca Limited Partnership # 29  
c/o Cascadia Mines And Resources Ltd.  
813-543 Granville Street  
Vancouver, B. C.

Dec. 20, 1989

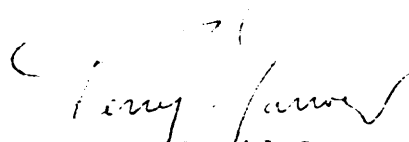
Re; 1989 Exploration Drilling Program

Six NQ drill holes, totalling 2500 feet (762.2 meters) were drilled Cascadia's J1 mineral claim group during the period of Oct 17 to November 7, 1989, to test anomalous gold and platinum soil geochemistry results.

This drilling program was the first in this area, therefore detailed geological studies, petrographic thin sections and assaying are being conducted on the drill core to outline any sulfide and precious metal relationships to the host rocks or to the intense folding and faulting exhibited on the property.

DRILL HOLE	LATITUDE	DEPARTURE	ELEVATION	LENGTH	DIP/DIRECTION
DDH 89-1	2+83 S	0+64 E	3940 ft.	615.0 ft	-90°
DDH 89-2	1+18 S	0+06 W	3990 ft	249.0 ft	-90°
DDH 89-3	3+47 S	2+10 W	3740 ft	407.0 ft	-90°
DDH 89-4	2+83 S	0+64 E	3940 ft	303.0 ft	-65°/176°
DDH 89-5	2+67 S	1+14 E	3975 ft	219.0 ft	-90°
DDH 89-6	2+67 S	1+14 E	3975 ft	707.0 ft	-70°/176°

As the on-site consulting geologist I logged and sampled each of these drill holes.

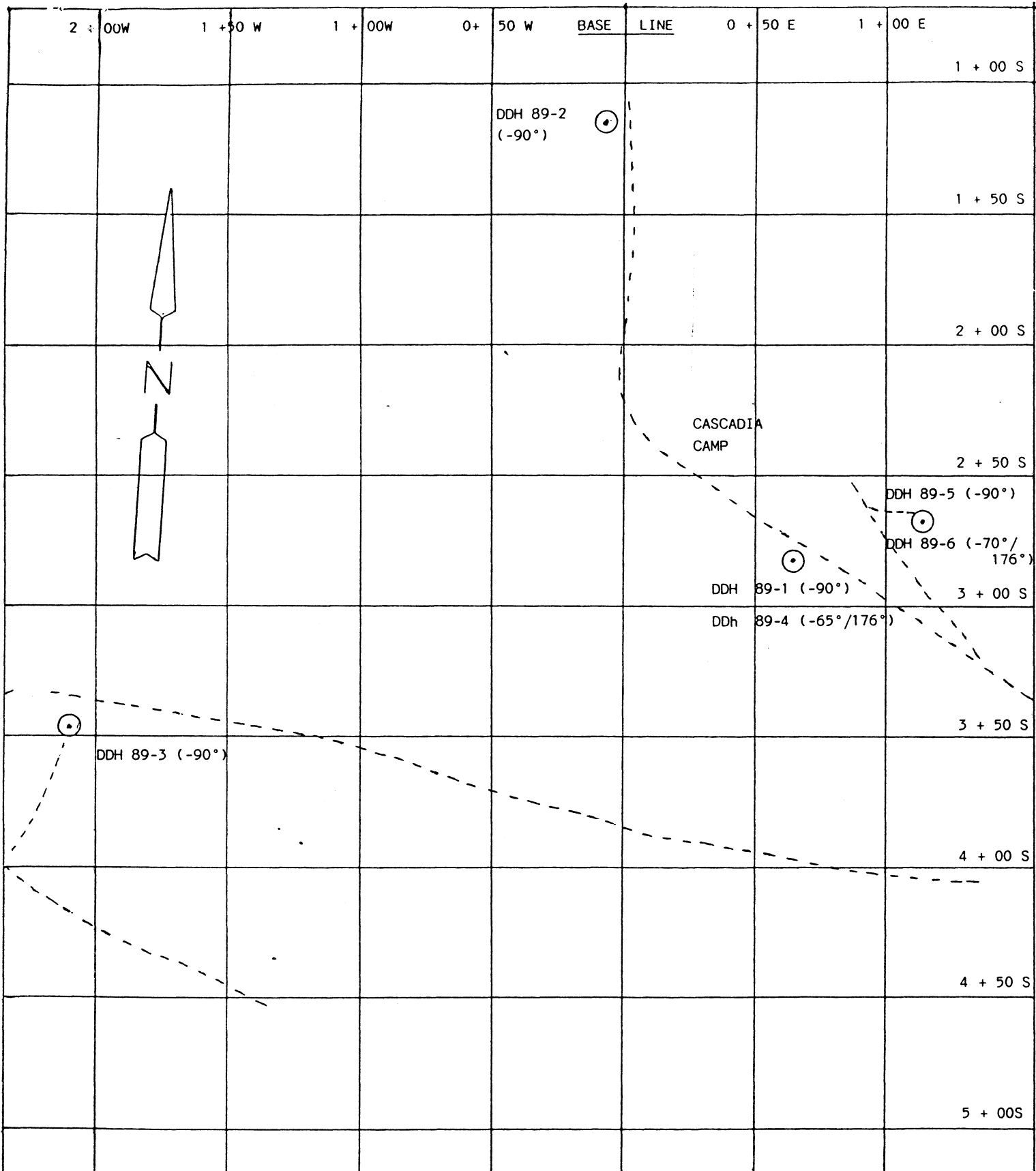
  
Terry David Garrow  
Consulting Geologist

DRILLING SUMMARY

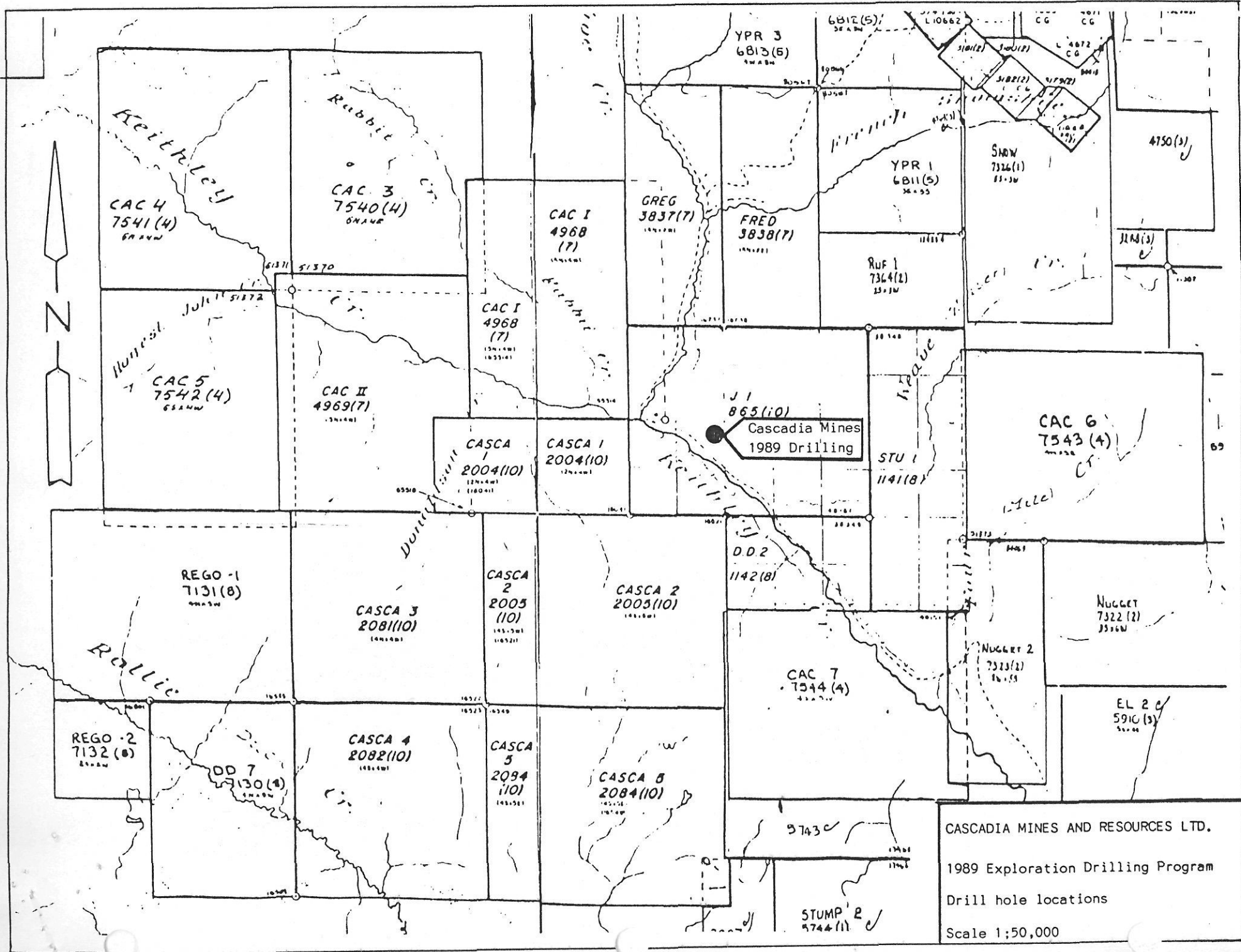
Date	Mobilization & Travel	Casing Drilling Hours	Casing Drilling Feet	Reaming Hours	Drilling Coring Hours	Drilling Coring Feet	Waterlines Hours	Moving Set Up	Comments
Oct 17	8								Mobilization
18		½	10		2½	47'	4	3	DDH 89-3
19					12	220'			
20					8	130'	1	3	DDH 89-2
21		2	20	1	6	103'	2		Ream Cave
22					9	127'		2	Test
23		1½	30		7	116'	½	1	DDH 89-1
24				1	10	151'			Ream Cave
25				1	10	158'			Ream Cave
26					10	160'			Ream Cave
27		2	40		6	60'		1	DDH 89-4
28					11	136'			
29					6	67'	3	1	Test
30		1	15		7	126'		3	DDH 89-5
31				9	2	22'			Ream Cave
Nov 1				3	5	55'			Test
1		1	15		2	30'		1	DDH 89-6
2				1	9	155'			Test
3					8	115'	1		
4					10	160'			Test
5				1	9	132'			Test
6					7	100'	2	2	
7	14						3		Demobilization

---

22	22	8	130	18	156½	2370'	16½	17
Days	Hrs	Hrs	Ft	Hrs	Hrs		Hrs	Hrs
			39.6m			722.4 m		



CASCADIA MINES AND RESOURCES LTD.  
 1989 EXPLORATION DRILLING PROGRAM  
 DRILL HOLE LOCATIONS  
 SCALE 1:50  0 50 100m



J1  
865(10)  
Cascadia Mines  
1989 Drilling

CASCADIA MINES AND RESOURCES LTD.  
 1989 Exploration Drilling Program  
 Drill hole locations  
 Scale 1:50,000

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO 89-1

PG. 1 of 7

LATITUDE 2+83 S DEPARTURE 0+64 E ELEVATION 1200.9 m LENGTH 187.5 m AZIM -- DIP -90°  
 LOGGED BY: T Garrow DRILLED BY Tex Drilling Ltd. DATE DRILLED Oct 23-26, 1989 CORE SIZE NQ  
 DIP TEST 44.5m / -88°, 91.4m / -87°, 138.7m / -84°.

DEPTH	DESCRIPTION	LENGTH	ASSAYS
0-9.1m (0-30.0')	<u>Casing</u>		
9.1-10.3m (30.0-33.7')	<u>Argillaceous Limestone</u> -alternating thin contorted, strongly foliated, bands of dark green chlorite schist and medium grey thin banded recrystallized limestone -abundant thin crosscutting veins of calcite -abundant reddish brown FeO staining along foliation planes in chlorite schist and limestone, also FeO staining on all fracture planes -@ 10.1m (33.0') foliation = 52° to core -@ 9.9m (32.5') a crosscutting calcite vein containing reddish brown crystals ZnS? @ 8° to core -@ 10.3m (33.7') bottom contact very sharp @ 24° to core with 7mm (1/4") calcite vein containing traces of chalcopyrite and pyrrhotite in thin stringers		
10.3-15.7m (33.7-51.5')	<u>Porphyritic Andesite Flow</u> -dark grey, moderately hard, weakly foliated, uniform, non-calcareous, sheared, with 2mm phenocrysts of plagioclase and pyroxene in a very fine grained plagioclase matrix -@ 12.8m (42.0') 2mm (1/8") quartz calcite vein @ 22° to core with very fine grained pyrrhotite and chalcopyrite -abundant FeO staining and small dark brown to black crystals along foliation and fracture planes		
15.7-24.7m (51.5-81.0')	<u>Argillaceous Limestone</u> -alternating thin grey recrystallized limestone bands and thin dark green, strongly foliated, very contorted, chlorite schist bands -@ 16.8m (55.0') foliation = 74° to core -@ 21.5m (70.5') foliation = 62° to core -@ 15.7m (51.5') top contact sharp @ 74° to core -@ 24.7m (81.0') bottom contact very gradational with alternating limy and silty areas		

NOBLE METAL GRO INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-1 PG. 2  
ASSAYS

DEPTH

DESCRIPTION

LENGTH

-20.1-20.7m (66.0-68.0') faulting, core very broken with abundant FeO staining on foliation and fracture planes  
 -minor thin crosscutting calcite veins  
~~-trace very fine grained disseminated pyrite and pyrrhotite increasing towards the bottom contact~~  
 -21.9 and 23.2m (72.0 & 76.0') abundant small beige and reddish brown crystals along the foliation of limestone bands

24.7-35.3m  
(81.0-116.2')

Argillite (Chlorite Schist)  
 -dark green, thin banded, strongly foliated, sheared and contorted  
 -29.0-30.5m (95.0-100.0') faulting, core very broken with vuggy 1.2 cm (1/2") quartz veins parallel to core and with abundant black MnO staining on fractures  
 -@ 29.9m (98.0') disseminated very fine grained pyrite and very fine specks of visible gold  
 -@ 27.9 and 33.0m (91.5 & 108.3') 10 cm (4") dark grey quartz vein with traces of fine grained disseminated pyrite plus FeO & MnO staining  
 -@ 35.4m (116.2') bottom contact very gradational

35.4-42.1m  
(116.2-138.0')

Argillaceous Limestone  
 -alternating thin, grey limestone bands and thin dark green contorted chlorite schist bands  
 -faulting, very broken core 35.4-42.1m (116.2-138.0')  
 -faulting, clay gouge @ 36.6 and 41.5m (120.0 & 136.0')  
 -@ 41.1m (135.0') foliation = 52° to core  
 -minor thin crosscutting calcite veins throughout  
 -abundant FeO and MnO staining along foliation and fracture planes

42.1-48.0m  
(138.0-157.4')

Porphyritic Andesite Flow  
 -medium green, hard, weakly foliated, sheared with small phenocrysts of plagioclase and pyroxene in a very fine grained plagioclase matrix  
 -@ 44.1m (147.0') 7mm (1/4") quartz calcite vein @ 28° to core with traces of pyrite and MnO  
 -abundant FeO and MnO staining on all fractures  
 -@ 42.5m (139.5') foliation = 64° to core



NOBLE METAL GRO. INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-1

PG. 3

ASSAYS

DEPTH

DESCRIPTION

LENGTH

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
48.0-59.6m (157.4-195.5')	<p>-minor thin crosscutting calcite veins                      -faulting, very broken core @ 43.3-44.5m (142.0-146.0')                      -@ 48.0m (157.4') bottom contact sharp @ 65° to core and slightly crosscutting foliation</p> <p><u>Argillaceous Limestone</u>                      -thin light grey limestone bands alternating with thin dark greenish grey chlorite schist bands                      -@ 48.8m (160.0') faulting, 7.5 cm (3") clay gouge                      -@ 50.3, 50.9, and 51.2m (165.0', 167.0', &amp; 168.0') reddish brown crystals in thin bands along foliation                      -abundant thin crosscutting calcite veinlets                      -abundant FeO staining on all fractures                      -@ 48.5m (159.0') open fractures parallel to core                      -49.7-51.8m (163.0-170.0') very calcareous                      -51.8-59.6m (170.0-195.5') sheared chlorite schist with crosscutting calcite veinlets and minor pyrite smeared along chloritic foliation planes                      -52.7-52.9m (173.0-173.5') faulting, core very broken                      -53.3-54.3m (175.0-178.0') faulting, clay gouge plus broken core                      -54.9-55.0m (180.0-180.5') faulting, clay gouge</p>						
59.6-61.4m (195.5-201.4')	<p><u>Porphyritic Andesite Flow</u>                      -very hard, moderately foliated, light to medium greenish grey, with minor thin bands of chlorite schist                      -phenocrysts of plagioclase and pyroxene very sheared and indistinct                      -minor FeO staining on fractures                      -trace disseminated very fine grained pyrite along foliation                      -@ 60.0m (197.0') open fractures @ 3° and 27° to core                      -@ 60.7m (199.0') foliation = 68° to core                      -3-5% very fine grained pyrrhotite disseminated along foliation throughout unit</p>						

## DIAMOND DRILL LOG

## ASSAYS

DEPTH	DESCRIPTION	LENGTH				
61.4-67.8m (201.4-222.3')	<p><u>Argillite</u> (Chlorite Schist)</p> <ul style="list-style-type: none"> <li>-dark green, thin banded, strongly foliated with minor light green siliceous bands</li> <li>-foliation very contorted</li> <li>-@ 62.2m (204.2') faulting, clay gouge</li> <li>-@ 62.4m (204.8') 1.2 cm (½") crosscutting quartz calcite veins</li> <li>-63.7-63.9m (209.0-209.5') broken core with quartz veins and traces of small brown glassy crystals ZnS?</li> <li>-minor thin crosscutting calcite veins throughout</li> <li>-minor FeO and MnO staining on foliation and fracture planes</li> <li>-64.5-64.8m (211.5-212.5') sheared argillaceous quartzite with 3-5% very fine grained pyrite and pyrrhotite along foliation planes</li> <li>-64.8-67.8m (212.5-222.3') very contorted chlorite schist with abundant orange brown thin FeO bands parallel to foliation</li> <li>-minor thin crosscutting quartz veins @ 66.3 &amp; 67.1m (217.5-220.0')</li> <li>-@ 67.1 and 67.4m (220.0 &amp; 221.0') faulting 5 cm (2") clay gouge</li> <li>-@ 66.9m (219.6') foliation = 74° to core</li> </ul>					
67.8-91.4m (222.3 299.8')	<p><u>Interformational Conglomerate</u></p> <ul style="list-style-type: none"> <li>-dark grey, very hard, weakly foliated, sheared with black, blue and dark grey round quartz grains and grey plagioclase grains in a fine grained quartz plagioclase matrix</li> <li>-abundant thin crosscutting light green and beige coloured quartz fracture fillings</li> <li>-1-3% very fine grained disseminated pyrite and pyrrhotite</li> <li>-@ 68.9m (226.1') foliation = 48° to core</li> <li>-68.9-70.4m (226.1-230.9') thin banded quartzite plus chlorite schist</li> <li>-70.4-76.2m (231.0-250.0') Interformational conglomerate with abundant round blue detrital quartz grains with disseminated pyrite and pyrrhotite</li> <li>-76.2-91.4m (250.0-299.8') argillaceous conglomerate with increased chlorite content but locally abundant round blue detrital quartz grains and traces of pyrite and pyrrhotite</li> <li>-@ 83.5m (274.0') foliation = 72° to core</li> <li>-@ 84.0m (275.5') 2.5 cm (1") clay gouge, faulting</li> <li>-locally weakly calcareous plus dark green chlorite spots</li> <li>-bottom contact @ 91.4m (299.8') very gradational</li> </ul>					

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DIAMOND DRILL LOG

HOLE NO. 89-1

PG. 5

DEPTH

DESCRIPTION

LENGTH

ASSAYS

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
91.4-103.6m (299.8-340.0')	<p><u>Argillite</u> (Chlorite Schist)</p> <ul style="list-style-type: none"> <li>-minor sheared siliceous bands</li> <li>-dark green to black, thin banded, strongly foliated and locally contorted chlorite schist with thin grey sheared quartzite bands</li> <li>-@ 91.5m (300.2') faulting, 5 cm (2") chloritic clay gouge along foliation planes at 62° to core</li> <li>-93.3-93.6m (306.0-307.0') faulting, very broken core with intense FeO staining on fractures</li> <li>-93.7-95.0m (307.4-311.8') light green, sheared quartzite</li> <li>-95.0-103.6m (311.8-340.0') chlorite schist with 1% 7mm (1/4") marcasite and pyrite crystals smeared along foliation planes @ 66° to core</li> <li>-minor thin crosscutting quartz calcite veins throughout</li> <li>-minor thin crosscutting very fine grained pyrite veins 96.2-103.6m (315.5-340.0')</li> <li>-faulting, very broken core 101.2-103.3m (332.0-339.0')</li> <li>-faulting, clay gouge 103.3-103.6m (339.0-340.0')</li> </ul>						
103.6-109.4m (340.0-359.0')	<p><u>Porohritic Andesite Flow</u></p> <ul style="list-style-type: none"> <li>-light to dark grey, very hard, poorly foliated, with vague sheared plagioclase and pyroxene phenocrysts in a very fine sheared matrix of plagioclase</li> <li>-minor thin crosscutting quartz veinlets @ 59° to core</li> <li>-@ 105.8m (347.0') trace very fine grained disseminated pyrite</li> <li>-106.7-107.0m and 108.5-108.8m (350.0-351.0' &amp; 356.0-357.0') faulting, very broken core and clay gouge</li> <li>-@ 108.8m (357.0') 2.5 cm (1") white quartz calcite vein</li> <li>107.7-108.8m (353.5-357.0') abundant chloritic schist with 3-5% 7mm (1/4") marcasite crystals smeared along foliation</li> </ul>						
109.4-112.2m (359.0-368.0')	<p><u>Fault Zone</u></p> <ul style="list-style-type: none"> <li>-clay gouge and very broken core, predominately hard, dark grey quartzite fragments in a chloritic matrix with abundant calcite stringers</li> <li>-trace very fine grained pyrite on fractures</li> <li>-core recovery approximately 75%</li> </ul>						

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DIAMOND DRILL LOG

HOLE NO. 89-1

PG. 6

DEPTH

DESCRIPTION

LENGTH

ASSAYS

112.2-162.9m  
(368.0-534.4')

Sheared Quartzite and Argillite

-alternating 30-60 cm (1-2') sections of light green, very hard, quartzite and thin banded, dark green to black chlorite schist, with abundant crosscutting calcite veinlets and with minor faulting and clay gouge along foliation  
 -112.2-119.3m (368.0-391.5') light grey green sheared quartzite with minor chlorite schist and traces of disseminated fine pyrite and 7mm marcasite crystals smeared along foliation  
 -@ 112.9m (370.5') 12mm (½") quartz vein @ 39° to core  
 -@ 113.1m (371.0') foliation = 40° to core  
 -@ 113.7m (373.0') open fractures parallel to core  
 -119.3-122.5m and 123.6-124.5m (391.5-401.8' and 404.5-408.5') dark green chloritic schist with 2% marcasite smeared along foliation planes  
 -119.9-120.2m (393.3-394.2') and 122.5-122.6m (401.8-402.0') faulting clay gouge  
 -@ 131.1m (430.0') abundant crosscutting quartz calcite veins  
 -132.3-132.7m (434.0-435.4') black graphitic chlorite schist with traces of fine pyrite  
 -135.5-135.8m (444.5-445.5') faulting, very broken core with FeO staining  
 -@ 136.4m (447.5') abundant marcasite smeared along foliation  
 -138.7-139.0m (455.0-456.0') graphitic chloritic schist with traces of fine pyrite  
 -139.0-143.9m (456.0-472.0') dark grey, sheared quartzite with abundant marcasite smeared on the foliation  
 -143.9-146.9m (472.0-482.1') dark green chloritic schist with 3-5% marcasite smeared on the foliation  
 -146.3-148.4m (480.0-487.0') extra core from drilling cave  
 -@ 144.5m (474.0') foliation = 71° to core  
 -faulting and chloritic clay gouge @ 146.5, 146.9, 147.0, 149.5 m (480.6', 481.8', 482.4', 490.5')  
 -@ 152.2m (499.5') small light green rhombic carbonate crystals, mariposite ?  
 -152.8-158.5m (501.2-520.0') sheared quartzite with locally 3% very fine grained pyrite and pyrrhotite  
 -@ 156.4m (513.0') foliation = 48° to core  
 -@ 160.0 and 160.4m (525.0-526.3') chloritic clay gouge  
 -160.4-162.9m (526.4-534.4') chloritic schist with thin quartz veins and 1% pyrite and pyrrhotite

NOBLE METAL GROUP, INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-1

PG. 7

ASSAYS

DEPTH

DESCRIPTION

LENGTH

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
162.9-171.6m (534.4-563.0')	<p><u>Porphyritic Andesite Flow</u>                      -medium greenish grey, hard, weakly foliated, with 2mm plagioclase and pyroxene phenocrysts in a fine grained plagioclase matrix                      -1% fine grained pyrite, pyrrhotite and chalcopyrite disseminated along foliation                      -@ 162.5m (533.0') 7mm (1/4") barren quartz vein @ 5° to core                      -faulting, very broken core @ 168.4-168.6m (552.5-553.2')                      -faulting, clay gouge @ 171.3-171.6m (562.0-563.0')</p>						
171.6-187.5m (563.0-615.0')	<p><u>Graphitic Argillite</u> (Chloritic Schist)                      -numerous graphitic clay gouge areas with minor pyrite 171.6-172.1m, 172.8-173.4m, 174.5-177.9m, 178.6-180.0m, 184.7-185.8m (563.0-564.6', 567.0-569.0', 572.5-583.7', 586.1-590.5', 608.0-609.7')                      -183.6-185.9m (602.2-610.0') graphitic argillite with abundant gouge and 1% 2mm (1/8") pyrite cubes                      -@ 183.8m (603.0') trace chalcopyrite in sheared chloritic schist                      -@ 185.3m (608.0') foliation = 66° to core</p>						
	<p>END OF DRILL HOLE                      DRILLING CEASED DUE TO CAVING AT 36.6m (120.0')</p>						

NOBLE METAL GROUP INCORPORATED

DRILL HOLE CORE RECOVERY

INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY
100.9-101.8m	0.6m	331.0-334.0'	2.0'	148.6-151.5m	2.8m	487.5-497.0'	9.3'
101.8-103.0m	0.9m	334.0-338.0'	3.0'	151.5-153.2m	1.4m	497.0-502.5'	4.5'
103.0-104.2m	0.8m	338.0-342.0'	2.5'	153.2-154.8m	1.5m	502.5-508.0'	5.0'
104.2-107.0m	2.4m	342.0-351.0'	8.0'	154.8-156.1m	1.2m	508.0-512.0'	4.0'
107.0-107.4m	0.3m	351.0-352.5'	1.0'	156.1-157.6m	1.5m	512.0-517.0'	5.0'
107.4-109.4m	1.8m	352.5-359.0'	6.0'	157.6-159.3m	1.5m	517.0-522.5'	5.0'
109.4-110.6m	1.1m	359.0-363.0'	3.5'	159.3-161.2m	1.8m	522.5-529.0'	6.0'
110.6-111.3m	0.5m	363.0-365.0'	1.5'	161.2-163.4m	1.8m	529.0-536.0'	6.0'
111.3-113.1m	1.2m	365.0-371.0'	4.0'	163.4-164.6m	1.2m	536.0-540.0'	4.0'
113.1-115.5m	2.4m	371.0-379.0'	8.0'	164.6-166.0m	1.4m	540.0-544.5'	4.5'
115.5-118.0m	2.4m	379.0-387.0'	8.0'	166.0-167.6m	1.5m	544.5-550.0'	5.0'
118.0-119.8m	1.8m	387.0-393.0'	6.0'	167.6-169.5m	1.8m	550.0-556.0'	6.0'
119.8-121.6m	0.5m	393.0-399.0'	1.5'	169.5-170.8m	1.4m	556.0-560.5'	4.5'
121.6-122.5m	0.9m	399.0-402.0'	2.8'	170.8-171.9m	0.9m	560.5-564.0'	2.8'
122.5-124.0m	1.4m	402.0-407.0'	4.5'	171.9-173.1m	1.0m	564.0-568.0'	3.2'
124.0-125.5m	1.5m	407.0-412.0'	5.0'	173.1-174.5m	1.3m	568.0-572.5'	4.2'
125.5-126.5m	1.0m	412.0-415.0'	3.0'	174.5-175.6m	1.1m	572.5- 576.0'	3.5'
126.5-127.1m	0.6m	415.0-417.0'	2.0'	175.6-177.1m	1.2m	576.0-581.0'	3.8'
127.1-128.6m	1.5m	417.0-422.0'	5.0'	177.1-179.2m	2.0m	581.0-588.0'	6.5'
128.6-130.8m	2.0m	422.0-429.0'	6.5'	179.2-180.6m	1.1m	588.0-592.5'	3.5'
130.8-132.0m	1.2m	429.0-433.0'	4.0'	180.6-181.8m	1.1m	592.5-596.5'	3.5'
132.0-133.5m	1.5m	433.0-438.0'	5.0'	181.8-183.2m	0.9m	596.5-601.0'	3.0'
133.5-135.6m	2.0m	438.0-445.0'	6.5'	183.2-185.0m	1.4m	601.0-607.0'	4.5'
135.6-136.9m	1.1m	445.0-449.0'	3.7'	185.0-185.9m	0.6m	607.0-610.0'	2.0'
136.9-138.7m	1.8m	449.0-455.0'	6.0'	185.9-187.5m	1.2m	610.0-615.0'	4.0'
138.7-141.4m	2.7m	455.0-464.0'	9.0'				
141.4-144.6m	3.0m	464.0-474.5'	10.0'				
144.6-146.3m	1.4m	474.5-480.0'	4.5'				
146.3-147.2m	1.3m	480.0-483.0'	(4.3')				
147.2-148.6m	1.5m	483.0-487.5'	5.0'				

NOBLE METAL GROUP INCORPORATED

DRILL HOLE CORE RECOVERY (85 %)

INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY
0-9.1 m	casing	0-30.0'	casing	51.2-51.8 m	0.3 m	168.0-170.0'	1.0'
9.1-11.3m	1.8m	30.0-37.0'	6.0'	51.8-52.4m	0.6m	170.0-172.0'	2.0'
11.3-12.5m	1.2m	37.0-41.0'	4.0'	52.4-52.9m	0.5m	172.0-173.5'	1.8'
12.5-14.6m	2.1m	41.0-48.0'	7.0'	52.9-53.5m	0.5m	173.5-175.5'	1.5'
14.6-15.8m	1.2m	48.0-52.0'	4.0'	53.5-54.3m	0.6m	175.5-178.0'	2.0'
15.8-17.1m	1.2m	52.0-56.0'	3.8'	54.3-55.0m	0.4m	178.0-180.5'	1.4'
17.1-19.5m	2.4m	56.0-64.0'	8.0'	55.0-57.6m	2.6m	180.5-189.0'	8.5'
19.5-22.7m	3.0m	64.0-74.6'	10.0'	57.6-58.2m	0.5m	189.0-191.0'	1.8'
22.7-24.5m	1.8m	74.6-80.5'	5.9'	58.2-60.4m	2.1m	191.0-198.0'	7.0'
24.5-25.5m	0.9m	80.5-83.5'	3.0'	60.4-62.5m	2.1m	198.0-205.0'	7.0'
25.5-25.8m	0.2m	83.5-84.5'	0.8'	62.5-63.7m	1.2m	205.0-209.0'	4.0'
25.8-26.8m	0.8m	84.5-88.0'	2.5'	63.7-65.8m	2.1m	209.0-216.0'	7.0'
26.8-27.7m	0.6m	88.0-91.0'	2.0'	65.8-66.1m	0.2m	216.0-217.0'	0.5'
27.7-29.3m	1.2m	91.0-96.0'	4.0'	66.1-67.2m	1.1m	217.0-220.5'	3.5'
29.3-30.2m	0.8m	96.0-99.0'	2.5'	67.2-67.7m	0.6m	220.5-222.0'	2.0'
30.2-32.5m	2.0m	99.0-106.5'	6.5'	67.7-70.7m	2.7m	222.0-232.0'	9.0'
32.5-34.1m	1.5m	106.5-112.0'	5.0'	70.7-73.8m	3.0m	232.0-242.0'	10.0'
34.1-35.4m	1.2m	112.0-116.0'	4.0'	73.8-76.8m	3.0m	242.0-252.0'	10.0'
35.4-36.9m	1.4m	116.0-121.0'	4.5'	76.8-79.9m	3.0m	252.0-262.0'	10.0'
36.9-37.5m	0.6m	121.0-123.0'	2.0'	79.9-82.9m	3.0m	262.0-272.0'	10.0'
37.5-38.1m	0.5m	123.0-125.0'	1.5'	82.9-86.0m	3.0m	272.0-282.0'	10.0'
38.1-39.3m	0.9m	125.0-129.0'	3.0'	86.0-87.5m	1.4m	282.0-287.0'	4.5'
39.3-41.5m	1.4m	129.0-136.0'	4.5'	87.5-88.7m	1.2m	287.0-291.0'	4.0'
41.5-43.0m	1.2m	136.0-141.0'	4.0'	88.7-90.5m	1.8m	291.0-297.0'	6.0'
43.0-43.3m	0.2m	141.0-142.0'	0.8'	90.5-92.0m	1.4m	297.0-302.0'	4.5'
43.3-44.5m	0.2m	142.0-146.0'	0.8'	92.0-93.6m	1.2m	302.0-307.0'	4.0'
44.5-47.9m	0.8m	146.0-157.0'	2.5'	93.6-95.4m	1.8m	307.0-313.0'	6.0'
47.9-48.8m	0.6m	157.0-160.0'	2.0'	95.4-97.5m	2.0m	313.0-320.0'	6.5'
48.8-49.5m	0.8m	160.0-162.5'	2.5'	97.5-99.4m	1.7m	320.0-326.0'	5.5'
49.5-51.2m	1.5m	162.5-168.0'	5.0'	99.4-100.9m	1.5m	326.0-331.0'	5.0'

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO 89-2

PG. 1 OF 5

LATITUDE 1+18 S DEPARTURE 0+06 W ELEVATION 1216.2 m LENGTH 75.9 m

AZIM -- DIP -89°

LOGGED BY: T. Garrow DRILLED BY Tex Drilling Ltd. DATE DRILLED Oct 21-22, 1989

CORE SIZE NQ

DIP TEST 75.9 m/ -83°

DEPTH	DESCRIPTION	LENGTH	ASSAYS
0-6.1m (0-20.0')	<u>Casing</u>		
6.1-8.7m (20.0-28.4')	<u>Porphyritic Andesite Flow</u> -light greyish green, sheared, hard, weakly foliated with 2mm phenocrysts of plagioclase and pyroxene in a very fine grained matrix of plagioclase -abundant reddish brown FeO staining of quartz veins and fractures -8.2-8.7m (27.0-28.4') faulting, very broken core -traces of very fine grained disseminated pyrite and pyrrhotite	6.1-7.3m 7.3-8.7m	
8.7-18.7m (28.4-61.4')	<u>Argillite (Chlorite Schist)</u> -olive to dark green, soft, thin banded, strongly foliated with minor thin grey siliceous bands and abundant faulting and broken core -intense reddish brown FeO and black MnO staining on all fractures and foliation planes -@ 15.2m (50.0') foliation = 42° to core -faulting, core badly broken 12.5-12.8m (41.0-42.0') and 13.7-13.9m (45.0-45.5') -faulting, clay gouge @ 17.2-18.0m (56.5-59.0') -minor thin crosscutting quartz veins containing small reddish brow and black crystals	8.7-9.8m 9.8-10.7m 10.7-11.9m 11.9-12.8m 12.8-13.7m 13.7-14.9m 14.9-16.2m 16.2-17.2m 17.2-18.0m 18.0-18.7m	
18.7-21.6m (61.4-71.0')	<u>Argillaceous Quartzite</u> -medium grey to light green, fine grained, very hard, very sheared with minor thin chlorite schist bands -trace of very fine grained disseminated pyrite throughout -abundant FeO staining on fractures -@ 18.7m (61.4') top contact sharp @ 61° to core -@ 20.3m (66.5') foliation = 73° to core -@ 21.6m (71.0') bottom contact very gradational	18.7-19.7m 19.7-20.7m 20.7-21.6m	



NOBLE METAL GRC INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-2 PG. 2  
ASSAYS

DEPTH	DESCRIPTION	LENGTH				
21.6-24.6m (71.0-80.6')	<p><u>Interformational Conglomerate</u>                      -dark grey, very hard, weakly foliated, with abundant 1 mm dark grey, black and blue round detrital quartz grains and grey plagioclase grains in a very fine grained quartz plagioclase matrix                      -minor thin crosscutting quartz and calcite veinlets @ 15° and 25° to core                      -bottom contact sharp at 81° to core and parallel to foliation</p>	21.6-22.6m 22.6-23.7m 23.7-24.6m				
24.6-28.2m (80.6-92.4')	<p><u>Argillite</u> (Chlorite Schist)                      -locally calcareous with minor siliceous bands                      -olive green to dark green, thin banded, soft, strongly foliated, with locally very contorted foliation                      -abundant FeO staining along chloritic foliation planes                      -trace reddish brown crystals along foliation planes</p>	24.6-25.5m 25.5-26.7m 26.7-27.4m 27.4-28.2m				
28.2-29.6m (92.4-97.2')	<p><u>Interformational Conglomerate</u>                      -dark grey, very hard, weakly foliated, with round detrital quartz and plagioclase grains in a very fine grained quartz plagioclase matrix                      -abundant hairlike crosscutting quartz calcite stringers                      -trace very fine grained disseminated pyrite throughout                      -minor reddish brown crystals in fractures</p>	28.2-29.6m				
29.6-38.1m (97.2-125.0')	<p><u>Argillaceous Quartzite</u>                      -medium grey to olive green, weakly foliated, with the foliation locally contorted, sheared and locally calcareous                      -increasingly chloritic towards the top contact                      -intense reddish orange FeO staining on foliation and fractures                      -33.5-34.4m (110.0-113.0') olive green colouration with abundant thin crosscutting quartz and calcite veins with open vugs                      -32.6-33.5m (107.0-110.0') and 34.1-34.7m (112.0-114.0') faulting and badly broken core                      note- extra core from redrilling cave 34.4-35.1m (113.0-115.0')                      -35.1-35.2m (115.0-115.5') faulting, clay gouge                      -trace very fine grained disseminated pyrite throughout</p>	29.6-30.5m 30.5-31.5m 31.5-32.6m 32.6-33.5m 33.5-34.4m 34.4-35.1m 35.1-35.8m 35.8-36.9m 36.9-38.1m				

## NOBLE METAL GROUP INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-2

PG. 3

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
38.1-39.0m (125.0-127.9')	<u>Interformational Conglomerate</u> -dark grey, very hard, non foliated, with dark grey and blue round detrital quartz grains and grey plagioclase grains in a very fine grained quartz plagioclase matrix -trace very fine grained disseminated pyrite -minor thin crosscutting quartz veins with minor reddish brown FeO staining	38.1-39.0m				
39.0-43.2m (127.9-141.7')	<u>Argillite</u> (Chlorite Schist) -with minor thin siliceous bands -olive to dark green, thin banded, very contorted foliation -abundant thin bands of orange FeO staining parallel to foliation and in fractures -locally small patches of very fine grained disseminated pyrite -@ 42.4m (139.0') foliation = 46° to core -40.8-41.0m (134.0-134.5') thin band of interformational conglomerate	39.0-39.9m 39.9-40.8m 40.8-42.0m 42.0-43.2m				
43.2-46.1m (141.7-151.3')	<u>Interformational Conglomerate</u> -dark grey, very hard, weakly foliated, with round detrital grains of black and blue quartz and grey plagioclase in a very fine grained matrix of quartz and plagioclase -disseminated traces of very fine grained pyrite -@ 46.1m (151.3') bottom contact sharp @ 80° to core, slightly different than foliation	43.2-44.2m 44.2-45.0m 45.0-46.1m				
46.1-52.7m (151.3-173.0')	<u>Argillite</u> (Chlorite Schist) -with minor thin siliceous bands -light to dark green, thin banded, medium soft, strongly foliated, wavy foliation locally very contorted -abundant FeO staining on fractures, but only minor staining on foliation planes -@ 48.5, 50.6, 51.1 m (159.0', 166.0', 167.5') 5 cm (2") dark grey quartz veins with minor calcite filled fractures and small reddish brown crystals -@ 51.5m (169.0') foliation = 58° to core -abundant sericite smeared on foliation planes -trace very fine grained disseminated pyrite in siliceous bands -@ 46.7, 50.4, 50.6 m (153.2', 165.4', 166.0') 8-10 cm (3") of clay gouge, faulting	46.1-46.9m 46.9-47.9m 47.9-48.8m 48.8-49.7m 49.7-51.5m 51.5-52.7m				

## NOBLE METAL GROUP INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-2

PG. 4

DEPTH

DESCRIPTION

LENGTH

ASSAYS

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
52.7-55.7m (173.0-182.8)	<u>Interformational Conglomerate</u> -dark grey, very hard, weakly foliated, with abundant 2 mm black and blue quartz and grey plagioclase detrital grains in a fine grained quartz plagioclase matrix -trace very fine grained disseminated throughout -minor thin crosscutting quartz calcite veinlets -minor reddish brown FeO staining of fractures and quartz veins	52.7-53.6m 53.6-54.6m 54.6-55.7m					
55.7-58.9m (182.8-193.2')	<u>Argillite</u> (Chlorite Schist) -with minor thin bands of interformational conglomerate -light to dark green, thin banded, strongly foliated, contorted, medium soft -57.3-57.6m (188.0-189.0') interformational conglomerate with sharp contacts parallel to foliation @ 58° to core -minor pyrite smeared on chloritic foliation planes -@ 56.3m (184.8') faulting, 2.5 cm (1") black clay gouge -trace very fine grained disseminated pyrite and pyrrhotite ? throughout	55.7-56.7m 56.7-57.6m 57.6-58.2m 58.2-58.9m					
58.9-60.0m (193.2-196.7')	<u>Interformational Conglomerate</u> -dark grey, very hard, weakly foliated, with minor blue and black round detrital quartz grains and grey plagioclase grains in a very fine grained quartz plagioclase matrix -trace very fine grained disseminated pyrite throughout	58.9-59.4m 59.4-60.0m					
60.0-62.0m (196.7-203.5')	<u>Argillite</u> (Chlorite Schist) -with minor thin siliceous bands -light to dark green to black, alternating thin bands, very sheared, strongly foliated -possibly minor sheared porphyritic andesite -@ 61.3m (201.0') foliation = 84° to core -locally minor fine grained pyrite on foliation and fracture planes	60.0-61.1m 61.1-62.0m					
62.0-70.9m (203.5-232.6')	<u>Interformational Conglomerate</u> -light to dark grey, hard, non foliated, with black and blue round detrital quartz grains and grey plagioclase grains in a very fine grained quartz plagioclase matrix -trace very fine grained disseminated pyrite -69.8-70.9m (229.0-232.6') faulting, badly broken core	62.0-63.1m 63.1-64.0m 64.0-64.9m 64.9-65.8m 65.8-66.8m 66.8-67.7m 67.7-68.6m					

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-2  
ASSAYS

PG. 5

DEPTH

DESCRIPTION

LENGTH

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
70.9-75.9m (232.6-249.0')	<p><u>Argillite</u> (Chlorite Schist)</p> <p>-with thin bands of interformational conglomerate</p> <p>-light to dark green, thin banded, contorted foliation, soft</p> <p>-72.8-73.2m (239.0-240.0') faulting, broken core</p> <p>-73.8-74.8m (242.0-245.5') faulting, chlorite clay gouge</p> <p>-71.9-72.2m (236.0-237.0') and 74.5-75.3m (245.2-247.0') interformational conglomerate with abundant blue quartz eyes and traces of fine grained disseminated pyrite</p> <p>-75.4-75.6m (247.5-248.0') faulting, broken core and clay gouge</p>	<p>68.6-69.5m</p> <p>69.5-70.1m</p> <p>70.1-70.9m</p> <p>70.9-71.9m</p> <p>71.9-72.8m</p> <p>72.8-73.8m</p> <p>73.8-74.7m</p> <p>74.7-75.3m</p> <p>75.3-75.9m</p>					
	END OF DRILL HOLE						

NOBLE METAL GROUP INCORPORATED

DRILL HOLE CORE RECOVERY (84 %)

INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY
0-6.1m	casing	0-20.0'	casing	53.9-56.1m	2.1m	177.0-184.0'	7.0'
6.1-8.2m	1.7m	20.0-27.0'	5.5'	56.1-59.1m	3.0m	184.0-194.0'	10.0'
8.2-9.0m	0.5m	27.0-29.5'	1.8'	59.1-62.2m	3.0m	194.0-204.0'	10.0'
9.0-9.8m	0.8m	29.5-32.0'	2.5'	62.2-64.6m	2.4m	204.0-212.0'	8.0'
9.8-10.7m	0.6m	32.0-35.0'	2.0'	64.6-66.8m	2.0m	212.0-219.0'	6.5'
10.7-11.3m	0.5m	35.0-37.0'	1.8'	66.8-69.2m	2.4m	219.0-227.0'	8.0'
11.3-11.9m	0.5m	37.0-39.0'	1.5'	69.2-70.7m	1.5m	227.0-232.0'	4.8'
11.9-12.2m	0.3m	39.0-40.0'	1.0'	70.7-72.8m	1.8m	232.0-239.0'	6.0'
12.2-13.7m	0.9m	40.0-45.0'	3.0'	72.8-74.1m	0.9m	239.0-243.0'	3.0'
13.7-14.9m	0.9m	45.0-49.0'	2.8'	74.1-74.7m	0.3m	243.0-245.0'	1.0'
14.9-17.2m	1.8m	49.0-56.5'	6.0'	74.7-75.4m	0.7m	245.0-247.5'	2.4'
17.2-18.3m	0.8m	56.5-60.0'	2.5'	75.4-75.9m	0.5m	247.5-249.0'	1.5'
18.3-20.3m	1.7m	60.0-66.5'	5.5'				
20.3-21.6m	1.5m	66.5-71.0'	5.0'				
21.6-22.3m	0.5m	71.0-73.0'	1.6'				
22.3-25.5m	3.0m	73.0-83.5'	10.0'				
25.5-27.4m	1.9m	83.5-90.0'	6.2'				
27.4-29.4m	1.7m	90.0-96.5'	5.7'				
29.4-29.9m	0.5m	96.5-98.0'	1.5'				
29.9-32.6m	2.3m	98.0-107.0'	7.5'				
32.6-34.4m	1.5m	107.0-113.0'	4.8'				
34.4-35.1m	1.1m	113.0-115.0'	3.6'				
35.1-35.8m	0.8m	115.0-117.5'	2.5'				
35.8-38.7m	2.9m	117.5-127.0'	9.5'				
38.7-40.2m	1.5m	127.0-132.0'	5.0'				
40.2-41.8m	1.1m	132.0-137.0'	3.5'				
41.8-44.2m	2.4m	137.0-145.0'	8.0'				
44.2-46.5m	2.1m	145.0-152.5'	7.0'				
46.5-48.3m	1.7m	152.5-158.5'	5.5'				
48.3-50.0m	1.7m	158.5-164.0'	5.5'				
50.0-51.1m	1.1m	164.0-167.5'	3.5'				
51.1-53.9m	2.9m	167.5-177.0'	9.5'				

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO 89-3

PG. 1 of 6

LATITUDE 347 S DEPARTURE 2+10 W ELEVATION 1140.0 M LENGTH 124.1 m AZIM -- DIP -90°  
 LOGGED BY: T. Garrow DRILLED BY Tex Drilling Ltd. DATE DRILLED Oct 18 - 20, 1989 CORE SIZE NQ  
 DIP TEST none

DEPTH	DESCRIPTION	LENGTH	ASSAYS
0-3.0m (0-10.0')	<u>Casing</u>		
3.0-6.6m (10.0-21.6')	<u>Argillite</u> (Chlorite Schist) -dark green to black, sheared, strongly foliated, very contorted foliation, -abundant thin bands of FeO staining along foliation -@ 3.0m (10.0') foliation = 75° to core -@ 3.5m (11.6') faulting, 5 cm (2") of clay gouge along foliation -@ 4.9 m (16.0) faulting 2.5 cm (1") of clay gouge -@ 5.3 m (17.5') 12 mm (½") parallel quartz veins	3.0-4.3m 4.3-5.5m 5.5-6.6m	
6.6-8.9 m	<u>Porphyritic Andesite Flow</u> -medium grey green, sheared, hard, weakly foliated, with very sheared 2 mm phenocrysts of feldspar and pyroxene in very fine grained plagioclase matrix -8.4-8.5 m (27.7-28.0') dark grey quartz vein with vugs and abundant FeO staining -@ 7.6 m (25.0') foliation=45° to core	6.6-7.6m 7.6-8.8m	
8.9-13.2 m (28.8-43.4)	<u>Argillite</u> ( Chlorite Schist) -olive green to dark green, thin banded, soft, strongly foliated, foliation kink folded intense FeO staining on foliation, also sercite -@ 10.7 m (35.0') 5 cm (2") FeO stained quartz vein parallel foliation -minor open fractures parallel foliation with FeO staining -altered argillite from 11.8-13.2 m (38.8-43.4") bleached light green, very contorted foliation with intense FeO staining overall core	8.8-9.8m 9.8-11.0m 11.0-12.2m 12.2-13.2m	
13.2-14.5 m (43.4-47.5')	<u>Graphic Argillite</u> (Fault Zone) thin banded soft; black, very strongly foliated, weakly graphitic -abundant FeO staining on foliation and fractures -trace very fine grained sphalerite crystals along foliation	13.2-14.5m	

## NOBLE METAL GROUP INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-3 PG. 2

ASSAYS

DEPTH	DESCRIPTION	LENGTH				
	-13.7 m (45.0') foliation=73° to core -faulting very broken core					
14.5-23.1 m (47.5-75.8')	<u>Argillite (Chlorite Schist)</u> -14.5-16.5 m ( 47.5-54.0') altered argillite, olive green, thin banded, soft, very contorted foliation with intense FeO staining and overall orange brown colouration due to fault zone above -16.5-23.1m (54.0-75.8') unaltered argillite, dark green, soft, thin banded, locally weakly folded -several thin zones of sheared porphyritic andesite -minor FeO staining of foliation and fractures --minor thin clay gouge on foliation planes @ 18.1, 18.6, 18.9, 19.5, 19.7, 20.4, 21.3, 21.9 m (59.5', 61.0, 62.0', 64.0',64.5', 67.0', 70.0', & 72.0') -@ 19.5 & 20.4 m ( 64.0' & 67.0') 7.5 cm (3") rotten FeO gouge	14.5-15.5m 15.5-16.8m 16.8-18.0m 18.0-18.9m 18.9-20.1m 20.1-21.0m 21.0-21.9m 21.9-23.1m				
23.1-26.5 m (75.8-87.0')	<u>Argillaceous Limestone</u> -Recrystallized light grey thin banded limestone alternating with minor light green, fine grained, thin banded chlorite schist -locally weakly folded -trace thin bands of FeO parallel foliation -trace disseminated fine grained pyrite and sphalerite @ 24.8 m (81.5') -@ 24.1 m (79.0') foliation=66° to core	23.1-24.1m 24.1-25.3m 25.3-26.5m				
26.5-30.0 m (87.0-98.0')	<u>Calcareous Argillite (60/40)</u> -black, fine grained, thin banded chlorite schist alternating with light grey banded recrystallized limestone with very contorted foliation (soft sediment slump) -abundant crosscutting calcite veins, overall vague brecciated appearance -trace FeO staining on fracture surfaces -@ 28.5 m (93.5') faulting 30 cm (6") clay gouge	26.5-27.4 m 27.4-28.7 m 28.7-30.0 m				
30.0-37.2 m (98.0-122.2')	<u>Argillaceous Limestone</u> -light grey, banded, recrystallized limestone alternating with minor thin banded, light to dark green chlorite schist					

## NOBLE METAL GROUP INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-3

PG. 3

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
	-strongly foliated, locally minor folding	30.0-31.1m				
	-minor quartz veining and FeO staining	31.1-32.3 m				
	-@ 35.2 m (115.5') trace of sphalerite crystals, glassy brown black, very small crystals	32.3-33.5 m				
		33.5-34.4 m				
		34.4-35.7 m				
		35.7-36.9 m				
		36.9-37.2 m				
37.2-40.5 m (122.2-132.9')	<u>Calcaeous Argillite</u> -60% dark grey wispa and folded pieces of chlorite schist with 40 % medium grained light grey recrystallized limestone -minor FeO staining on fractures -minor crosscutting quartz calcite veinlets -@ 39.0 m (128.0) severed thin bands of very fine grained pyrotite					
40.5-48.0 m (132.9-157.5)	<u>Porphyritic Andesite Flow</u> -light grey green, hard, weakly foliated with phenocrysts of plagioclase and pyroxene in a very fine grained plagioclase matrix -40.5 m (132.9') top contact sharp and very chloritic @ 45° to core -trace FeO staining on fractures -48.0 m (157.5') bottom contact parallel foliation @ 42° to core -minor crosscutting quartz calcite veinlets	40.5-41.8 m 41.8-42.9 m 42.9-44.2 m 44.2-45.4 m 45.4-46.6 m 46.6-48.0 m				
48.0-61.1 m (157.5-200.3')	<u>Calcaeous Argillite</u> -alternating thin bands of light grey limestone and dark green chloritic schist, very sheared and folded (soft sediment slump) -very thin calcite veinlets crosscutting core at 8° and 22° -open fractures with minor calcite and FeO staining @ 49.1, 50.3, 55.8 m (161.0', 165.0', 183.0') -thin bands of vfg pyrolitic @ 18.8, 19.0, 20.0, 20.2, 20.3 m (61.7', 62.3', 65.5', 66.2', 66.6') -@28.7 m (94.3') abundant thin smears of pyrite along foliation	48.0-49.1 m 49.1-50.3 m 50.3-51.5 m 51.5-52.7 m 52.7-53.9 m 53.9-55.2 m 55.2-56.4 m 56.4-57.6 m 57.6-58.8 m 58.8-60.0 m 60.0-61.1 m				



## NOBLE METAL G. JP INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-3

PG. 4

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
61.1-62.3 m (200.3-204.3')	<p><u>Porphyritic Andesite Flow</u></p> <p>-grey, green hard, poorly foliated, uniform, with 2 mm phenocryst of plagioclase and pyroxene in a fine grained plagioclase matrix</p> <p>-1% very fine grained disseminated pyrite throughout</p> <p>-@ 61.1 m (200.3') top contact sharp @ 53° to core parallel to foliation</p> <p>-@ 61.6 m (202.0') several mm (1") crosscutting quartz veins with bleached halos @ 23° to core</p> <p>-@ 61.9 m (203.0') 7 mm (1") quartz vein with very fine grained disseminated pyrrhotite</p> <p>-minor FeO staining on fractures</p>	61.1-62.3 m				
62.3-64.6 m (204.3-212.0')	<p><u>Argillite Limestone</u></p> <p>-light and dark grey thin bands of limestone alternating with dark green thin bands of chlorite schist</p> <p>-abundant thin crosscutting calcite veinlets</p> <p>-strongly foliated, locally wavy and folded</p> <p>-locally 1% very fine grained disseminated pyrite</p> <p>-abundant FeO staining on fractures</p> <p>-@ 64.3-64.6 m (211.0-212.0') minor reddish brown crystals in limestone bands</p>	62.3-63.4 m 63.4-64.6 m				
64.6-65.6m (212.0-215.3')	<p><u>Argillite</u> (Chlorite Schist)</p> <p>-dark green to black, soft, uniform, strongly foliated</p> <p>-abundant thin quartz calcite stringers</p> <p>-@ 64.7m (212.4') foliation = 71° to core</p> <p>-trace very fine grained pyrite, pyrrhotite and chalcopryrite disseminated along quartz filled fractures</p> <p>-trace of fine grained pyrite smeared along foliation planes</p> <p>-@ 64.8m (21.6') 5 cm (2") faulting, chloritic clay gouge</p>	64.6-65.6m				
65.6-83.7m (215.3-274.5')	<p><u>Porphyritic Andesite Flow</u></p> <p>-greyish green, medium hard, weakly foliated</p> <p>-locally very sheared with visible plagioclase and pyroxene phenocrysts in a very fine grained plagioclase matrix</p> <p>-68.3-68.4m (224.0-224.5') irregular quartz veins with traces of very fine grained pyrite and pyrrhotite</p> <p>-@ 79.2m (260.0') 3mm (1/8") quartz calcite vein with fine grained pyrite @ 34° to core</p> <p>-minor FeO staining on all fractures</p>	65.6-66.8m 66.8-68.0m 68.0-69.2m 69.2-70.4m 70.4-71.6m 71.6-72.4m 72.4-73.5m 73.5-74.7m 74.7-75.6m 75.6-76.5m				

## NOBLE METAL GROUP INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-3

PG. 5

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
	-81.1-83.7m (266.2-274.5') sheared porphyritic andesite with 1% disseminated pyrite, pyrrhotite, and chalcopyrite	76.5-77.4m				
	-81.7-83.7m (268.0-274.5') faulting, core badly broken	77.4-78.3m				
	-increasingly chloritic towards bottom contact 83.7m (274.5')	78.3-79.2m				
		79.2-80.2m				
		80.2-81.2m				
		81.2-82.3m				
		82.3-83.7m				
83.7-88.4m (274.5-290.0')	<u>Argillite</u> (Chlorite Schist) -light and dark green, medium soft, strongly foliated, thin banded chlorite schist with minor siliceous bands	83.7-84.4m				
	-83.7-85.6m (274.5-281.0') faulting, core badly broken	84.4-85.6m				
	-83.7-84.3m (274.5-276.5') 1 cm (1/2") pyrite cubes in open fractures parallel to core	85.6-86.9m				
	-@ 86.9m (285.0') abundant very fine crosscutting calcite veinlets	86.9-87.5m				
	-@ 87.2m (286.0') foliation = 63° to core	87.5-88.4m				
	-88.0-88.1m (288.6-289') dark green, irregular quartz vein with very fine grained disseminated pyrrhotite @ 72° to core					
	-minor thin bands of interformational conglomerate with blue, black and grey round quartz grains and very fine grained disseminated pyrite					
88.4-89.8m 290.0-294.6m	<u>Interformational Conglomerate</u> -dark greyish green, very hard, weakly foliated with dark grey, blue, and black round detrital quartz and grey plagioclase grains in a very fine grained plagioclase quartz matrix	88.4-89.2m				
	-trace fine grained disseminated pyrrhotite	89.2-89.8m				
	-minor quartz calcite crosscutting veinlets					
	-@ 89.3m (293.0') open fractures parallel to core					
89.8-100.8m (294.6-330.6')	<u>Argillite</u> (Chlorite Schist) -dark green, thin banded, soft, strongly foliated	89.8-90.5m				
	-many thin quartz calcite veinlets parallel and crosscutting foliation	90.5-91.4m				
	-trace disseminated fine grained pyrite throughout	91.4-91.9m				
	-@ 92.0m (302.0') foliation = 61° to core	91.9-92.8m				
	-92.8-93.9m (304.3-308.0') interformational conglomerate with small round detrital quartz and plagioclase grains	92.8-93.3m				
	-95.1-95.9m (312.0-314.5') black chert ? very fine grained, very hard with traces of fine grained pyrite on fractures	93.3-93.9m				
		93.9-94.7m				
		94.7-95.5m				
		95.5-96.2m				

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-3

PG. 6

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
	-96.3m (316.0') foliation = 80° to core	96.2-97.2m				
	-97.2-97.8m (318.8-321.0') calcareous chlorite schist with 1% marcasite and pyrite crystals smeared on foliation planes	97.2-97.9m				
	-@ 97.4m (319.6') tetrahedrite crystals plus pyrite in fractures	97.9-98.7m				
	-97.8-100.8m (321.0-330.6') very folded and contorted foliation with traces of marcasite and pyrite	98.7-99.7m				
	-@ 99.4m (326.0') foliation = 85° to core	99.7-100.2m				
		100.2-100.8m				
100.8-118.1m (330.6-387.5')	<u>Argillaceous Quartzite</u> -alternating light grey, thin banded quartzite and dark green thin banded chlorite schist -very hard, sheared, strongly foliated, with minor thin bands of porphyritic andesite -traces of very fine grained disseminated pyrite -@ 105.8m (347.0') foliation = 81° to core -108.2-112.3m (355.0-368.5') pyrite smeared along the chloritic foliation	100.8-101.5m				
		101.5-102.6m				
		102.6-103.9m				
		103.9-104.9m				
		104.9-106.0m				
		106.0-107.1m				
		107.1-108.0m				
		108.0-109.1m				
		109.1-110.0m				
		110.0-110.9m				
		110.9-112.1m				
		112.1-113.1m				
		113.1-114.0m				
		114.0-115.0m				
		115.0-116.1m				
		116.1-117.0m				
		117.0-118.1m				
118.1-124.1m (387.5-407.0')	<u>Argillite</u> (Chlorite Schist) -dark green, medium soft, thin banded, strongly foliated -118.9-124.1m (390.0-407.0') faulting, badly broken core plus slightly graphitic clay gouge at 119.3-119.9m (391.5-393.4') -grey quartz veins with traces of very fine grained pyrite @ 118.6, 121.3, 121.6m (389.0', 398.0', 399.0') -@ 121.2m (397.5') foliation = 51° to core	118.1-119.2m				
		119.2-119.8m				
		119.8-120.7m				
		120.7-121.5m				
		121.5-121.9m				
		121.9-122.8m				
		122.8-123.7m				
		123.7-124.1m				
	END OF DRILL HOLE					

NOBLE METAL GROUP INCORPORATED

DRILL HOLE CORE RECOVERY

INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY
0-3.1m	casing	0-10.0'	casing	72.2-74.7m	2.4m	237.0-245.0'	8.0'
3.1-5.2m	1.5m	10.0-17.0'	5.0'	74.7-76.5m	1.7m	245.0-251.0'	5.5'
5.2-6.6m	1.4m	17.0-21.6'	4.6'	76.5-78.8m	2.3m	251.0-258.5'	7.5'
6.6-6.7m	0.1m	21.6-22.0'	0.4'	78.8-80.2m	1.4m	258.5-263.0'	4.5'
6.7-7.6m	0.6m	22.0-25.0'	2.0'	80.2-82.3m	2.0m	263.0-270.0'	6.5'
7.6-7.9m	0.3m	25.0-26.0'	1.0'	82.3-84.1m	1.8m	270.0-276.0'	6.0'
7.9-8.7m	0.9m	26.0-28.8'	2.8'	84.1-85.6m	1.4m	276.0-281.0'	4.5'
8.7-8.8m	0.1m	28.8-29.0'	0.2'	85.6-88.4m	2.7m	281.0-290.0'	9.0'
8.8-11.0m	2.0m	29.0-36.0'	6.5'	88.4-90.5m	2.1m	290.0-297.0'	7.0'
11.0-14.0m	3.0m	36.0-46.0'	10.0'	90.5-93.6m	3.0m	297.0-307.0'	10.0'
14.0-15.5m	1.5m	46.0-51.0'	5.0'	93.6-96.6m	3.0m	307.0-317.0'	10.0'
15.5-17.4m	1.5m	51.0-57.0'	5.0'	96.6-99.7m	3.0m	317.0-327.0'	10.0'
17.4-19.0m	1.5m	57.0-62.0'	5.0'	99.7-101.5m	1.8m	327.0-333.0'	6.0'
19.0-20.4m	1.2m	62.0-67.0'	4.0'	101.5-104.7m	3.0m	333.0-343.5'	10.0'
20.4-21.9m	1.5m	67.0-72.0'	5.0'	104.7-107.7m	3.0m	343.5-353.5'	10.0'
21.9-22.7m	0.8m	72.0-74.5'	2.5'	107.7-110.9m	3.0m	353.5-364.0'	10.0'
22.7-25.8m	3.0m	74.5-84.5'	10.0'	110.9-114.0m	3.0m	364.0-374.0'	10.0'
25.8-28.3m	2.6m	84.5-93.0'	8.5'	114.0-117.0m	3.0m	374.0-384.0'	10.0'
28.3-31.4m	3.0m	93.0-103.0'	10.0'	117.0-118.9m	1.5m	384.0-390.0'	5.0'
31.4-34.4m	3.0m	103.0-113.0'	10.0'	118.9-119.8m	0.6m	390.0-393.0'	2.0'
34.4-37.5m	3.0m	113.0-123.0'	10.0'	119.8-121.0m	0.9m	393.0-397.0'	3.0'
37.5-40.5m	3.0m	123.0-133.0'	10.0'	121.0-121.8m	0.6m	397.0-399.5'	2.0'
40.5-43.0m	2.3m	133.0-141.0'	7.6'	121.8-122.8m	0.8m	399.5-403.0'	2.5'
43.0-44.8m	1.8m	141.0-147.0'	6.0'	122.8-123.1m	0.2m	403.0-404.0'	0.8'
44.8-46.6m	1.8m	147.0-153.0'	6.0'	123.1-123.7m	0.2m	404.0-406.0'	0.8'
46.6-49.7m	3.0m	153.0-163.0'	10.0'	123.7-124.1m	0.2m	406.0-407.0'	0.5'
49.7-52.9m	3.0m	163.0-173.5'	10.0'				
52.9-55.9m	3.0m	173.5-183.5'	10.0'				
55.9-57.0m	1.1m	183.5-187.0'	3.5'				
57.0-57.9m	0.9m	187.0-190.0'	3.0'				
57.9-60.0m	2.1m	190.0-197.0'	6.8'				
60.0-63.1m	3.0m	197.0-207.0'	10.0'				
63.1-66.1m	3.0m	207.0-217.0'	10.0'				
66.1-69.2m	3.0m	217.0-227.0'	10.0'				
69.2-72.2m	3.0m	227.0-237.0'	10.0'				

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO 89-4

PG. 1 of 6

LATITUDE 2+83 S DEPARTURE 0+64 E ELEVATION 1200.9 m LENGTH 92.4 m

AZIM 176° DIP -65°

LOGGED BY: T. Garrow DRILLED BY Tex Drilling Ltd. DATE DRILLED Oct 27-29, 1989

CORE SIZE NQ

DIP TEST 71.9 m / -65°

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
0-12.2m (0-40.0')	<u>Casing</u>						
12.2-15.4m (40.0-50.4')	<p><u>Argillaceous Limestone</u> (60/40)</p> <ul style="list-style-type: none"> <li>-dark green to black, thin bands of chlorite schist alternating with 1-2 cm (½") bands of dark grey recrystallized limestone</li> <li>-foliation very contorted locally</li> <li>-thin bands of small euhedral reddish brown crystals parallel to the foliation, crystals look like ZnS but don't test positive with Zinc Zap</li> <li>-abundant FeO staining on all fractures</li> <li>-@ 12.8m (42.0') foliation = 56° to core</li> </ul>						
15.4-16.7m (50.4-54.9')	<p><u>Porphyritic Andesite Flow</u></p> <ul style="list-style-type: none"> <li>-dark green, very hard, poorly foliated, with sheared plagioclase and pyroxene phenocrysts in a very fine grained plagioclase matrix</li> <li>traces of very fine grained disseminated pyrite</li> <li>-minor open fractures parallel to core with FeO staining</li> <li>-@ 15.4m (50.4') top contact @ 84° to core (different than foliation)</li> <li>-@ 15.8m (52.0') 12 mm (½") quartz calcite vein @ 17° to core</li> </ul>						
16.7-22.2m (54.9-72.8')	<p><u>Argillaceous Limestone</u> (60/40)</p> <ul style="list-style-type: none"> <li>-alternating light green to black thin bands of chlorite schist and light grey limestone</li> <li>-strongly foliated, locally very contorted</li> <li>-abundant thin bands of reddish brown crystals along foliation</li> <li>-minor thin open fractures parallel to core</li> <li>-traces of very fine grained disseminated pyrite</li> <li>-@ 18.3m (60.0') foliation = 60° to core</li> <li>-@ 20.7m (68.0') foliation = 72° to core</li> </ul>						

## NOBLE METAL GRO\ INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-4

PG. 2

DEPTH

DESCRIPTION

LENGTH

ASSAYS

22.2-39.0m  
(72.8-128')Porphyritic Andesite Flow

-dark grey green, hard, uniform, weakly foliated, with plagioclase and pyroxene phenocrysts in a fine grained plagioclase matrix  
 -minor chlorite on foliation planes  
 - minor FeO staining on fractures  
 -@ 22.2m (72.8') top contact sharp @ 70° to core  
 -@ 39.0m (128.0') bottom contact gradational  
 - locally minor 4 mm (1/8") crosscutting quartz calcite veins  
 -@ 34.1m (112.0') weak positive test with Zinc Zap on glassy brown crystals  
 -32.9-34.7m (108.0-114.0') 7 mm (1/4") open fractures and thin quartz calcite veins parallel to core  
 -@ 32.0m (105.0') 10 cm (4") broken core plus minor small glassy brown crystals

39.0-63.9m  
(128.0-209.5')Calcareous Argillite

-alternating thin banded light to dark green chlorite schist and medium grey limestone  
 -strongly foliated, with numerous thin seams of clay gouge along foliation  
 -locally foliation very contorted  
 -minor crosscutting quartz calcite veinlets  
 -intense FeO orange staining along foliation planes  
 -@ 39.9m (131.0') intense reddish brown staining of quartz calcite crystals , also 2 mm (1/8") pyrite crystals stained with FeO  
 -39.0-40.2m (128.0-132.0') argillaceous limestone 70/30 with abundant reddish brown crystals along limestone foliation planes  
 -@ 39.6m (130.0') foliation = 46° to core  
 -40.2-41.4m (132.0-135.8') fault zone, calcareous argillite fragments of badly broken core and clay gouge plus an intensely FeO stained quartz vein parallel to core  
 -41.4-43.7m (135.8-143.5') calcareous argillite with very contorted foliation and traces of very fine grained disseminated pyrite  
 -43.7-44.1m (143.5-145.0') faulting, badly broken core  
 -44.1-44.8m (145.0-147.0') thin banded, dark green and grey chlorite schist and limestone with minor FeO staining on fractures  
 -44.8-45.9m (147.0-150.5') faulting, badly broken very chloritic core  
 -@ 44.8m (147.0') foliation = 30° to core  
 -45.9-46.5m (150.5-152.7') chloritic schist with abundant thin crosscutting calcite veinlets and traces of very fine grained disseminated pyrite

## NOBLE METAL GROU. INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-4

PG. 3

DEPTH

DESCRIPTION

LENGTH

ASSAYS

-46.5-46.8m (152.7-153.5') faulting, badly broken core plus chloritic clay gouge  
 -46.8-48.6m (153.5-159.5') calcareous argillite, very sheared with very contorted foliation and several 7 mm (1/4") crosscutting quartz calcite veins with many reddish brown crystals  
 -@ 48.6m (159.5') foliation = 37° to core  
 -48.6-48.9m (159.5-160.5') faulting, broken core plus clay gouge  
 -48.9-51.7m (160.5-169.5') chlorite schist with minor crosscutting calcite veinlets  
 -@ 49.7, 50.0, and 51.2m (163.0', 164.0', 168.0') 7.5 cm (3") chloritic clay gouge zones with abundant reddish brown FeO staining  
 -51.7-55.1m (169.5-180.8') calcareous argillite with increasing limestone towards the end  
 -@ 52.4m (172.0') foliation = 48° to core  
 -52.4-52.9m (172.0-173.6') 10-15 cm (4-6") several dark grey quartz veins with abundant dark reddish brown stained crosscutting veins and fractures  
 -55.1-60.4m (180.8-198.0') fault zone, very calcareous argillaceous limestone fragments of very broken core with numerous clay gouge areas and intense FeO staining  
 -@ 57.9m (190.0') foliation = 33° to core  
 -60.4-63.9m (198.0-209.5') very chloritic calcareous argillite, with very contorted foliation  
 -63.1-63.7m (207.0-209.0') faulting, clay gouge

63.9-64.9m  
 (209.5-212.8')

Porphyritic Andesite Flow

-medium grey green, hard, weakly foliated, with coarse plagioclase and pyroxene phenocrysts in a very fine grained plagioclase matrix locally moderately calcareous  
 -@ 63.7m (209.0') 5 cm (2") faulting, chloritic clay gouge  
 -abundant FeO staining on foliation and fractures  
 -@ 64.6m (21.0') several thin crosscutting quartz calcite veins containing small black glassy crystals  
 -@ 64.7m (212.4') excellent manganese dendrites on fractures, with traces of very fine grained disseminated pyrite  
 -@ 64.9m (212.8') at the bottom contact a 7 mm (1/4") quartz calcite vein @ 48° to core, sharp contact

## NOBLE METAL GROU. INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-4

PG. 4

DEPTH

DESCRIPTION

LENGTH

ASSAYS

DEPTH	DESCRIPTION	LENGTH	ASSAYS
64.9-70.4m (212.8-231.0')	<p><u>Argillite</u> (Chlorite Schist)</p> <p>dark green, soft, strongly foliated, with very contorted foliation</p> <ul style="list-style-type: none"> <li>-minor clay gouge along foliation</li> <li>-calcareous limestone bands @ 67.7-68.0m (222.0-223.0')</li> <li>-minor crosscutting thin calcite veinlets @ 66.8-67.1m (219.3-220.0')</li> <li>-traces of very fine grained disseminated pyrite throughout</li> <li>-@ 67.4m (221.0') foliation = 45° to core</li> <li>-bottom contact @ 70.4m (231.0') very sharp @ 52° to core</li> </ul>		
70.4-71.9m (231.0-235.8')	<p><u>Porphyritic Andesite Flow</u></p> <p>dark green, medium hard, weakly foliated, with phenocrysts of plagioclase and pyroxene in a very fine grained plagioclase matrix</p> <ul style="list-style-type: none"> <li>-both top and bottom contacts have 15 cm (6") grey quartz veins containing thin crosscutting calcite fracture fillings with traces of very fine grained pyrite and small black crystals</li> <li>-minor orange FeO and black MnO staining on foliation and fractures</li> <li>-@ 71.0m (233.0') 7 mm (1/4") quartz calcite vein and an open fracture parallel to core with traces of fine grained pyrite</li> </ul>		
71.9-78.0m (235.8-256.0')	<p><u>Calcareous Argillite</u></p> <p>dark grey to black, weakly banded limestone alternating with light to dark green, thin bands of chlorite schist</p> <ul style="list-style-type: none"> <li>-abundant white calcite veins parallel and crosscutting foliation</li> <li>-calcareous chloritic clay gouge @ 72.7, 75.0, 75.4, 75.6 m (238.4', 246.0', 247.4', 248.0')</li> <li>-very faulted and broken core 74.1-75.9m (243.0-249.0')</li> <li>-@ 77.7m (255.0') foliation = 35° to core</li> <li>-trace of very fine disseminated pyrite throughout</li> <li>-abundant FeO and MnO staining on all fractures</li> </ul>		



## NOBLE METAL GROU. INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-4

PG. 5

DEPTH

DESCRIPTION

LENGTH

ASSAYS

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
78.0-79.6m (256.0-261.0')	<p><u>Argillaceous Quartzite</u></p> <ul style="list-style-type: none"> <li>-dark grey, hard, thin banded, sheared quartzite with minor dark green chloritic schist</li> <li>-locally thin crosscutting calcite stringers</li> <li>-abundant FeO and MnO staining on all foliations and fractures</li> <li>-traces of very fine grained disseminated pyrite</li> <li>-locally traces of small black crystals on foliations</li> <li>-78.0-79.1m (256.0-259.6') 10 cm (4") quartz calcite vein with open vugs and fractures plus FeO and MnO staining</li> <li>-moderately calcareous 78.3-78.9m (257.0-259.0')</li> <li>-@ 78.9m (259.0') foliation = 54° to core</li> </ul>						
79.6-81.1m (261.0-266.2')	<p><u>Argillite</u> (Chlorite Schist)</p> <ul style="list-style-type: none"> <li>-very chloritic with minor quartzite bands</li> <li>dark green with minor light grey bands, soft, strongly foliated</li> <li>-minor crosscutting calcite veinlets</li> <li>-@ 79.7m (261.5') faulting, 7.5 cm (3") clay gouge plus very broken core</li> <li>-@ 80.2m (263.0') grey quartz vein with small reddish brown and black crystals</li> </ul>						
81.1-85.1m (266.2-279.3')	<p><u>Argillaceous Quartzite</u></p> <ul style="list-style-type: none"> <li>-dark grey, fine grained, very uniform, hard, weakly foliated</li> <li>-locally very chloritic foliation planes</li> <li>-minor crosscutting very thin calcite veinlets</li> <li>-locally abundant very fine black crystals in fractures</li> <li>-82.6-82.9m (271.0-272.0') faulting, 5 cm (2") clay gouge plus broken core</li> <li>-83.3-84.1m (273.2-276.0') abundant grey quartz calcite veins enclosing fragments of quartzite</li> <li>-reddish brown crystals near the periphery of quartz veins</li> <li>-increasingly chloritic towards the bottom contact</li> <li>-@ 84.1m (276.0') 2.5 cm (1") clay gouge</li> <li>-@ 84.4m (277.0') foliation = 53° to core</li> </ul>						

NOBLE METAL GROU. INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-4  
ASSAYS

PG. 6

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
85.1-92.4m (279.3-303.0')	<p><u>Argillite</u> (Chlorite Schist)</p> <ul style="list-style-type: none"> <li>-alternating light and dark green, thin bands, soft, strongly foliated</li> <li>-locally very thin crosscutting calcite veinlets</li> <li>-@ 89.9m (295.0') foliation = 38° to core</li> <li>-faulting, very brokencore @ 86.3, 89.6, 90.8, 92.0m (283.0', 294.0', 298.0', 302.0')</li> <li>-@ 87.7m (287.6') 10 cm (4") dark grey quartz vein along foliation containing thin calcite veins with reddish brown and black crystals with yellow halos</li> </ul> <p style="text-align: center;">END OF DRILL HOLE</p>					

NOBLE METAL GROUP INCORPORATED

DRILL HOLE CORE RECOVERY

INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY
0-12.2m	0	0-40.0	casing	58.2-59.7m	1.2m	191.0-196.0'	4.0'
12.2-14.3m	1.8m	40.0-47.0'	5.8'	59.7-60.4m	0.5m	196.0-198.0'	1.5'
14.3-17.4m	3.0m	47.0-57.0'	10.0'	60.4-62.2m	1.8m	198.0-204.0'	6.0'
17.4-20.4m	3.0m	57.0-67.0'	10.0'	62.2-63.4m	1.2m	204.0-208.0'	4.0'
20.4-22.3m	1.8m	67.0-73.0'	6.0'	63.4-65.2m	1.8m	208.0-214.0'	6.0'
22.3-24.7m	2.2m	73.0-81.0'	7.2'	65.2-66.4m	1.2m	214.0-218.0'	4.0'
24.7-25.6m	0.9m	81.0-84.0'	3.0'	66.4-68.4m	1.8m	218.0-224.5'	6.0'
25.6-28.0m	2.4m	84.0-92.0'	8.0'	68.4-69.8m	1.4m	224.5-229.0'	4.5'
28.0-30.5m	2.4m	92.0-100.0'	8.0'	69.8-71.9m	2.1m	229.0-236.0'	7.0'
30.5-32.6m	2.1m	100.0-107.0'	7.0'	71.9-73.8m	1.8m	236.0-242.0'	6.0'
32.6-34.7m	2.1m	107.0-114.0	7.0'	73.8-76.5m	2.6m	242.0-251.0'	8.5'
34.7-36.6m	1.8m	114.0-120.0'	6.0'	76.5-79.2m	2.7m	251.0-260.0	9.0'
36.6-37.2m	0.6m	120.0-122.0'	2.0'	79.2-81.4m	2.1m	260.0-267.0'	7.0'
37.2-40.2m	3.0m	122.0-132.0'	10.0'	81.4-82.9m	1.5m	267.0-272.0'	5.0'
40.2-41.8m	0.9m	132.0-137.0'	3.0'	82.9-86.0m	2.9m	272.0-282.0	9.5'
41.8-43.3m	1.5m	137.0-142.0'	5.0'	86.0-87.2m	0.8m	282.0-286.0'	2.6'
43.3-44.5m	1.2m	142.0-146.0'	3.8'	87.2-88.1m	0.9m	286.0-289.0	3.0'
44.5-45.6m	0.7m	146.0-149.5'	2.2'	88.1-89.6m	1.5m	289.0-294.0	5.0'
45.6-45.7m	0.2m	149.5-150.0'	0.5'	89.6-91.1m	1.5m	294.0-299.0	5.0'
45.7-46.8m	1.1m	150.0-153.5'	3.5'	91.1-92.4m	0.9m	299.0-303.0	3.0'
46.8-48.8m	1.1m	153.5-160.0'	3.6'				
48.8-50.9m	2.1m	160.0-167.0'	7.0'				
50.9-51.7m	0.5m	167.0-169.5'	1.6'				
51.7-53.3m	1.7m	169.5-175.0'	5.5'				
53.3-54.1m	0.6m	175.0-177.5'	2.0'				
54.1-55.5m	0.9m	177.5-182.0	3.0'				
55.5-56.8m	1.2m	182.0-186.5	4.0'				
56.8-57.3m	0.3m	186.5-188.0	1.0'				
57.3-58.2m	0.9m	188.0-191.0	3.0'				

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO 89-5

PG. 1 of 5

LATITUDE 2+67S DEPARTURE 1+14E ELEVATION 1211.6m LENGTH 66.8m AZIM -- DIP -89°

LOGGED BY: T. Garrow DRILLED BY Tex Drilling Ltd. DATE DRILLED Oct 30 - Nov 1 / 89 CORE SIZE NQ

DIP TEST 66.8m / -89°

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
0-4.6m (0-15.0')	<u>Casing</u> - later reamed to 36.6m (120.0')					
4.6-11.1m (15.0-36.5')	<p><u>Argillaceous Limestone</u> (70/30)</p> <p>-light grey, thin banded, limestone alternating with thin bands of dark green to black chlorite schist</p> <p>-abundant thin bands of reddish brown, fine grained Feo and MnO along foliation planes and fractures</p> <p>-very calcareous, sheared and recrystallized with local folding of the foliation planes</p> <p>-9.0-9.4m (29.5-31.0') and 10.0-10.2m (32.8-33.6') very hard quartzite with sharp contacts and traces of fine grained disseminated pyrite</p> <p>-10.7-11.1m (35.0-36.5') core faulted and badly broken with fractures 10-15° to core</p> <p>-10.7m (35.0') fault with 5 cm (2") clay gouge</p>	<p>4.6-5.8m</p> <p>5.8-7.0m</p> <p>7.0-8.2m</p> <p>8.2-9.1m</p> <p>9.1-10.1m</p> <p>10.1-11.1m</p>				
11.1-12.3m (36.5-40.3')	<p><u>Porphyritic Andesite Flow</u></p> <p>-light grey green, hard, poorly foliated with vague sheared plagioclase and pyroxene phenocrysts in a quartz plagioclase matrix</p> <p>-@ 11.1m (36.5') sharp top contact @ 43° to core</p> <p>-very fine black crystals disseminated - possibly an alteration product</p> <p>-abundant crosscutting hairlike calcite veinlets</p> <p>-@ 12.2m (40.0') several 12mm (½") quartz calcite veins with FeO and MnO staining</p>	11.1-12.3m				
12.3-13.1m (40.3-43.0')	<p><u>Argillaceous Limestone</u> (60/40)</p> <p>-thin, grey limestone bands, alternating with very contorted thin dark green chlorite schist bands</p> <p>-abundant thin Feo stained bands along chloritic foliation planes</p> <p>-@ 12.4 (40.8') 5 cm (2") faulting and clay gouge</p>	12.3-13.1m				

NOBLE METAL GRO INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-5 PG. 2

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
13.1-18.7m (43.0-61.2')	<p><u>Argillite</u> (Chlorite Schist)</p> <p>-light and dark green, very soft, strongly foliated, chlorite schist with minor interbands of siliceous material</p> <p>-abundant thin FeO bands along foliation</p> <p>-abundant FeO and MnO staining on all fractures</p> <p>-note minor thin bleached altered bands crosscutting foliation @ 70° to core</p> <p>-@ 15.5m (51.0') foliation very contorted</p> <p>-@ 16.8m (55.0') foliation =58° to core</p> <p>-faulting, broken core and clay gouge @ 13.1-15.5m (43.0-51.0')</p>	13.1-14.3m 14.3-15.5m 15.5-16.5m 16.5-17.4m 17.4-18.7m				
18.7-20.1m (61.2-66.0')	<p><u>Calcareous Argillite</u></p> <p>-thin banded, light grey limestone alternating with thin, dark green to black chlorite schist</p> <p>-foliation very contorted</p> <p>-abundant open fractures parallel to core</p> <p>-@ 20.1m (66.0') foliation =56° to core</p> <p>-minor crosscutting quartz calcite veins</p> <p>-traces of very fine grained disseminated pyrite</p> <p>-abundant very thin FeO stained bands along foliation</p>	18.7-19.2m 19.2-20.1m				
20.1-30.5m (66.0-100.0')	<p><u>Fault Zone</u></p> <p>-core very broken with chlorite schist fragments and abundant green and brown clay gouge</p> <p>-20.1-30.5m (66.0-100.0') extensive core loss, only 2.4m (8.0') of core recovered 24%</p>	20.1-21.3m 21.3-21.9m 21.9-23.5m 23.5-26.5m 26.5-29.6m 29.6-30.5m				
30.5-41.8m (100.0-137.0')	<p><u>Argillite</u> (chlorite Schist)</p> <p>-light to dark green to black, thin banded, very contorted, very soft, friable core</p> <p>-@ 32.9m (107.8') and 37.4m (122.6') 5 cm (2") dark grey quartz veins with fine grained pyrite along the edge of veins and FeO staining of fractures in the vein</p> <p>-@ 37.7m (123.6') 2.5 cm (1") quartz vein along the foliation with beige to brownish red crystals and FeO staining</p> <p>-38.1-41.8m (125.0-137.0') chlorite schist becomes very black and weakly graphitic</p> <p>-clay gouge and faulting @ 35.8, 37.0, 37.9, and 41.3m (117.5', 121.3', 124.5', 135.5')</p> <p>-@ 39.0m (128.0') foliation = 65° to core</p>	30.5-32.0m 32.0-32.8m 32.8-33.8m 33.8-34.7m 34.7-36.3m 36.3-37.5m 37.5-38.7m 38.7-39.6m 39.6-41.8m				

## NOBLE METAL GRO. INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-5 PG. 3

## ASSAYS

DEPTH	DESCRIPTION	LENGTH				
41.8-42.2m (137.0-138.6')	<u>Calcareous Argillite</u> -dark grey thin limestone bands alternating with dark green chlorite schist bands -very fractured, broken and vuggy core -abundant dark brown FeO and MnO staining on all fractures -increasingly siliceous towards 42.2m (138.6') -bottom contact sharp @ 72° to core	41.8-42.2m				
42.2-44.8m (138.6-147.0')	<u>Porphyritic Andesite Flow</u> -light grey green, hard, with visible sheared plagioclase and pyroxene phenocrysts -abundant crosscutting hairlike calcite fracture fillings -abundant dark brown crystals of MnO? along fracture planes -faulting and badly broken core with clay gouge 43.3-44.7m (142.0-146.5') -2.5 cm (1") very broken quartz vein with FeO staining @ 44.6m (146.4')	42.2-43.0m 43.0-43.6m 43.6-44.8m				
44.8-47.5m (147.0-156.0')	<u>Calcareous Argillite</u> -light to medium grey thin limestone bands alternating with black chlorite schist bands -moderately calcareous -minor open fractures and vugs -minor thin crosscutting calcite fractures -intense dark brown staining on all fractures -faulting, broken core and clay gouge 45.0-46.3m (147.8-152.0') and 46.7-47.2m (153.1-154.8')	44.8-46.3m 46.3-47.5m				
47.5-49.6m (156.0-162.7')	<u>Argillaceous Quartzite</u> -dark grey bands of hard, sheared quartzite alternating with thin black chloritic bands -abundant very thin calcite veinlets crosscutting foliation -black staining on all fracture planes -traces of very fine grained disseminated pyrite -@ 48.3m (158.5') foliation = 72° to core -thin open fractures parallel to core 48.8-49.4m (160.0-162.0') -@ 49.3m (161.6') grey quartz vein @ 15° to core with very fine black crystals and FeO yellow staining	47.5-48.8m 48.8-49.6m				

## NOBLE METAL GROUP INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-5 PG. 4

ASSAYS

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
49.6-51.8m (162.7-170.0')	<p><u>Porphyritic Andesite Flow</u></p> <p>-light to dark green, hard, weakly foliated, with sheared plagioclase and pyroxene phenocrysts in a very fine grained plagioclase matrix</p> <p>-51.2-51.8m (168.0-170.0') increasingly siliceous</p> <p>-abundant thin quartz calcite veins parallel and crosscutting foliation</p> <p>-traces very fine grained disseminated pyrite</p> <p>-minor very fine reddish brown and black crystals in fractures and along foliation</p> <p>-very sheared and broken 50.4-50.9m (165.5-167.0') with fractures parallel to core</p>	49.6-50.3m 50.3-51.2m 51.2-51.8m					
51.8-56.5m (170.0-185.4')	<p><u>Argillaceous Quartzite</u></p> <p>-30 cm (1') dark grey quartzite sections alternating with 15 cm (6") thin banded dark green to black chloritic schist</p> <p>-dark grey irregular quartz veins with thin calcite fracture fillings and reddish brown crystals @ 52.3, 55.2, and 56.8m (171.5', 181.0', 186.4')</p> <p>-@ 53.6m (176.0') foliation = 56° to core</p>	51.8-53.3m 53.3-54.6m 54.6-55.8m 55.8-56.5m					
56.5-58.9m (185.4-193.3')	<p><u>Argillite (Chlorite Schist)</u></p> <p>-light and dark green, thin banded, strongly foliated, soft, chlorite schist with minor siliceous bands</p> <p>-foliation very contorted</p> <p>-minor crosscutting calcite veinlets</p> <p>-@ 56.7m (186.0') foliation = 55° to core</p> <p>-dark grey quartz vein @ 57.6m (189.0')</p> <p>-traces of very fine grained disseminated pyrite throughout</p> <p>-faulting, broken core and minor gouge along foliation @ 59.6m (195.5')</p>	56.5-57.3m 57.3-58.2m 58.2-58.9m					
58.9-60.0m (193.3-197.0')	<p><u>Argillaceous Quartzite</u></p> <p>-dark grey sheared quartzite with minor thin bands of chloritic schist</p> <p>-abundant core fractures @ 15° to core</p> <p>-59.7-60.0m (196.0-197.0') hairlike crosscutting calcite fractures with reddish brown FeO staining</p>	58.9-60.0m					

NOBLE METAL GRO INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-5 PG. 5  
ASSAYS

DEPTH	DESCRIPTION	LENGTH	ASSAYS	ASSAYS	ASSAYS	ASSAYS	ASSAYS
60.0-65.1m (197.0-213.7')	<p><b>Argillite</b> (Chlorite Schist)</p> <ul style="list-style-type: none"> <li>-dark green, thin banded, strongly foliated, soft, chloritic schist with minor dark grey quartzite bands</li> <li>-abundant open fractures @ 15° to core</li> <li>-locally dark brown and black crystals on fractures</li> <li>-traces of very fine grained disseminated pyrite</li> <li>-@ 64.0m (210.0') foliation = 59° to core</li> </ul>	<p>60.0-61.3m 61.3-62.2m 62.2-63.4m 63.4-64.0m 64.0-65.1m</p>					
65.1-66.8m (213.7-219.0')	<p><b>Argillaceous Quartzite</b></p> <ul style="list-style-type: none"> <li>-dark grey to black, very hard, weakly foliated</li> <li>-abundant thin crosscutting calcite veinlets</li> <li>-abundant MnO black staining on fractures</li> <li>-core badly broken, faulting</li> </ul>	65.1-66.8m					
	<p>END OF DRILL HOLE</p> <p>DRILLING STOPPED DUE TO CAVING</p>						



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DRILL HOLE CORE RECOVERY 70 %

INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY	INTERVAL	RECOVERY
4.6-6.1m	1.5m	15.0-20.0'	5.0'	47.2-49.1m	1.7m	155.0-161.0'	5.5'
6.1-8.2m	2.1m	20.0-27.0'	7.0'	49.1-49.7m	0.7m	161.0-163.0'	2.2'
8.2-9.1m	0.8m	27.0-30.0'	2.7'	49.7-50.9m	1.2m	163.0-167.0'	4.0'
9.1-11.0m	1.8m	30.0-36.0'	6.0'	50.9-51.8m	0.8m	167.0-170.0'	2.5'
11.0-12.5m	1.1m	36.0-41.0'	3.5'	51.8-53.3m	0.8m	170.0-175.0'	2.5'
12.5-13.1m	0.3m	41.0-43.0'	1.0'	53.3-54.9m	1.2m	175.0-180.0'	3.8'
13.1-14.3m	0.5m	43.0-47.0'	1.5'	54.9-57.0m	2.0m	180.0-187.0'	6.5'
14.3-15.5m	0.9m	47.0-51.0'	3.0'	57.0-58.2m	1.2m	187.0-191.0'	4.0'
15.5-17.4m	1.8m	51.0-57.0'	6.0'	58.2-60.4m	2.0m	191.0-198.0'	6.7'
17.4-19.2m	1.8m	57.0-63.0'	6.0'	60.4-61.6m	1.2m	198.0-202.0'	4.0'
19.2-20.1m	0.6m	63.0-66.0'	2.0'	61.6-63.7m	1.5m	202.0-209.0'	5.0'
20.1-21.3m	0.8m	66.0-70.0'	2.5'	63.7-64.9m	1.2m	209.0-213.0'	4.0'
21.3-21.9m	0.3m	70.0-72.0'	1.0'	64.9-66.8m	1.0m	213.0-219.0'	3.2'
21.9-23.5m	0.3m	72.0-77.0'	1.0'				
23.5-26.5m	0.3m	77.0-87.0'	1.0'				
26.5-29.6m	0.3m	87.0-97.0'	1.0'				
29.6-30.5m	0.5m	97.0-100.0'	1.5'				
30.5-32.0m	0.5m	100.0-105.0'	1.8'				
32.0-32.8m	0.4m	105.0-107.5'	1.2'				
32.8-33.8m	0.8m	107.5-111.0'	2.5'				
33.8-34.7m	0.6m	111.0-114.0'	2.0'				
34.7-36.3m	1.2m	114.0-119.0'	4.0'				
36.3-37.5m	1.1m	119.0-123.0'	3.5'				
37.5-38.7m	0.7m	123.0-127.0'	2.2'				
38.7-39.6m	0.5m	127.0-130.0'	1.8'				
39.6-41.8m	0.9m	130.0-137.0'	3.0'				
41.8-43.0m	1.0m	137.0-141.0'	3.2'				
43.0-43.6m	0.3m	141.0-143.0'	1.0'				
43.6-44.8m	0.6m	143.0-147.0'	2.0'				
44.8-46.3m	0.5m	147.0-152.0'	1.5'				
46.3-47.2m	0.7m	152.0-155.0'	2.2'				

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO 89-6

PG. 1 of 15

LATITUDE 2+67S DEPARTURE 1+14E ELEVATION 1211.6 M LENGTH 215.5 m

AZIM 176°

DIP -70°

LOGGED BY: T. Garrow DRILLED BY Tex Drilling Ltd DATE DRILLED Nov 2-6/89

CORE SIZE NQ

DIP TEST 60.9m/-71°, 144.8m/-78°, 185.0 m/-76°

DEPTH	DESCRIPTION	LENGTH	ASSAYS
0.0-4.6 m 0.0-15.0')	<u>Casing</u>		
4.6-14.6 m	<u>Argillaceous Limestone</u> 60/40, light to dark grey recrystallized limestone bands interbanded with 7 to 12 mm (1/4"-1/2") dark green to black contorted chloritic schist or argillite bands -@ 8.5 m (28.0') foliation = 38° -@ 6.4 m (21.0') and 7.2 m (23.5') 5 cm (2") white quartz veins with hairlike calcite fractures containing many very small reddish brown and black coloured crystals -@ 8.8 m (29.0') minor open vugs in a quartz vein with many very small reddish brown crystals both in fractures and along the foliation -abundant FeO staining plus sericite along the foliation throughout this rock unit -@ 14.6 m (48.0') the bottom contact is faulted with 5 cm (2") of clay gouge	4.6-6.1 m 6.1-7.3m 7.3-8.2m 8.2-9.1m 9.1-11.0m 11.0-11.9m 11.9-12.8m 12.8-13.7m 13.7-14.6 m	
14.6-25.8 m 48.0-84.6')	<u>Argillite (Chlorite Schist)</u> olive green to dark green, sheared, soft, thin banded very contorted with minor calcareous and veins throughout -this unit contains a high percentage of chlorite with little or no siliceous bands. -@15.1 and 15.5 m (49.5' and 51.0') several 12 mm (1/2") limestone bands -@16.5 and 17.1 m (54.0' and 56.0') minor hairlike quartz veinlets -@17.2, 19.8 and 21.2 m (56.5', 64.8', 69.5') minor faults and clay gouge -20.1-20.7 m (66.0'-68.0') faulting, core badly broken -@21.0 m (69.0') 2.5 cm (1") dark grey quartz veins containing many very small reddish brown crystals and FeO staining in fractures -from 14.6 to 21.2 m (48.0'-69.5') minor thin red FeO stained bands along chloritic foliations while from 21.2-25.8m (69.5'-84.6') the thin red stained bands become so abundant that the overall colouration of the core is reddish orange -Note that the chloritic schist is bleached from dark green to olive green where the FeO stained planes are more abundant -@ 23.8 m (78.0') many small open "S" folds with axes having an apparent plunge at 30° to core	14.6-15.5m 15.5-16.5m 16.5-17.4m 17.4-18.3m 18.3-19.2m 19.2-20.1m 20.1-21.0m 21.0-21.9m 21.9-22.9m 22.9-23.8m 23.8-24.7m	

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## DIAMOND DRILL LOG

HOLE NO. 89-6

PG. 2

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
	-@25.8 m (84.6') the bottom contact is sheared oriented at 45° to core	24.7-25.8m				
25.8-35.2 m (84.6'-115.5')	<u>Argillaceous Limestone</u> 50/50, light to dark grey recrystallized limestone bands alternating with thin dark green to black locally contorted argillite bands -locally abundant irregular blotches of olive green chloritic schist with FeO staining -throughout this unit abundant sericite occurs along foliations and fractures -No quartz veining but minor hairlike calcite veins and fracture fillings -Note at 35.1 m (115.0') calcite fractures are at 40° to core and offset limestone bands left laterally -broken core @ 27.7-28.0 m (91.0'-92.0') and 32.6-32.9m (107.0'-108.0') -@ 26.5 m (87.0') foliation 28° and @ 35.1 m (115.0') foliation 30°	25.8-26.7m 26.7-28.0m 28.0-29.0m 29.0-29.9m 29.9-32.6m 32.6-33.5m 33.5-34.1 m 34.1-35.2 m				
35.2-42.3 m (115.5'-138.7')	<u>Argillite (Chlorite Schist)</u> -dark green thin banded, very chloritic with no interbands of siliceous material -intense FeO staining on foliation planes and on fractures at 15° to core -2-5% reddish brown crystals (Py & FeO) smeared along the foliation planes -core is medium soft with foliation very contorted -top contact @ 35.2 m (115.5') sheared with minor clay gouge -bottom contact 41.8-42.3 m (137.0'-138.7') faulted core very broken -@41.8 m (137.0') foliation 33° -faulting & clay gouge @ 37.2-37.5m (122.0'-123.0') -abundant calcite fracture fillings @ 36.9, 38.6 and 41.5 m (121.0', 126.5', 136.0')	35.2-35.7 m 35.7-36.6 m 36.6-37.5 m 37.5-38.4 m 38.4-39.3 m 39.3-40.2 m 40.2-41.1 m 41.1-41.8 m 41.8-42.3 m				
35.2-43.0 m (138.7'-141.0')	<u>Porphyritic Flow</u> -light grey, green, medium hard, very uniform vaguely porphyritic texture -1 mm phenocrysts of plagioclase and pyroxene in a very fine grained ground mass of plagioclase, quartz, and chlorite with very small spots of epidote? from saussuritic alteration -abundant quartz calcite fracture fillings @ 36° and 68° to core -Trace very fine disseminated pyrite with minor FeO staining on fractures -bottom contact @ 43.0 m (141.0') very sheared	42.3-43.0 m				

## DIAMOND DRILL LOG

HOLE NO. 89-6

PG. 3

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
43.0-46.8m (141.0'-153.6')	<p>Argillite (Chlorite Schist)</p> <ul style="list-style-type: none"> <li>-sheared, dark green, medium soft, thin very contorted foliation, very chloritic</li> <li>-minor detrital quartz grains in a groundmass of chlorite and serisite</li> <li>-throughout this unit intense orange and black FeO and MnO staining on fractures</li> <li>-Trace very fined grained pyrite disseminated through out core</li> <li>-44.5-45.1 m (146.0'-148.0') core has a brecciated appearance cemented with MnO?</li> <li>-hairlike calcite fracture fillings 43.5-43.7 m (142.8'-143.4')</li> <li>-open fractures and vugs 44.3-46.8 m (145.5-153.6')</li> <li>-core badly broken and faulted 43.7-44.3 m (143.4'-145.5')</li> </ul>	43.0-43.6 m 43.6-44.3 m 44.3-45.1 m 45.1-46.0 m 46.0-46.8 m				
46.8-48.1 m (153.6'-157.7')	<p><u>Calcareous Argillite (Calcareous Chlorite Schist)</u></p> <p>thin dark green, very contorted chloritic bands alternating with thicker grey green bands of calcite and chlorite</p> <ul style="list-style-type: none"> <li>-similar in appearance to the unit above</li> <li>-46.8-46.9 m (153.6'-154.0') open vugs containing intense dark brown MnO staining</li> <li>-48.1 m (157.7') quartz calcite cross cutting fracture filling containing reddish brown crystals and bright pink crystals (carbonate?)</li> </ul>	46.8-48.1 m				
48.1-52.1 m (157.7'-171.0)	<p><u>Porphyritic Andesite Flow</u></p> <ul style="list-style-type: none"> <li>-light green medium hard, speckled appearance very sheared and uniformly weakly foliated</li> <li>-very small phenocrysts of plagioclase and pyroxene in a fine groundness of quartz plagioclase and chlorite</li> <li>-minor small irregular calcite fracture fillings</li> <li>-minor FeO and MnO staining on foliation planes</li> <li>-@ 51.2 m (168.0') 15 cm (6") faulted broken core</li> <li>- 51.5 m (169.0') open fractures @ 15° to core</li> <li>-Note pink crystals (carbonate?) @ 48.2 m and 51.5 m (158.0' and 169.0')</li> </ul>	48.1-49.1 m 49.1-50.0 m 50.0-50.9 m 50.0-52.1 m				

## DIAMOND DRILL LOG

HOLE NO. 89-6

PG. 4

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
52.1-53.1 m (171.0'-174.2')	<p><u>Argillite (Chlorite Schist)</u></p> <ul style="list-style-type: none"> <li>-very sheared, light to dark green, medium soft, thin banded, strongly foliated</li> <li>-abundant thin crosscutting calcite veinlets</li> <li>-abundant dark brown MnO staining on fractures</li> <li>-@52.4 m (172.0') Trace of clay gouge along foliation</li> <li>-@ 52.7 m (173.0') foliation 62° to core</li> </ul>	52.1-53.1 m				
53.1-55.1 m (174.2'-180.8')	<p>Calcareous Argillite (Calcareous Chlorite Schist)</p> <p>abundant thin dark green to black, wavy chlorite schist bands alternating with very thin medium grey limestone bands</p> <ul style="list-style-type: none"> <li>-very sheared and strongly foliated</li> <li>-many thin hairlike crosscutting calcite veins at 20° to core</li> <li>--minor quartz calcite veins with open vugs and abundant reddish brown and black crystals</li> <li>-locally abundant FeO and MnO staining along thin chloritic foliation planes</li> </ul>	53.1-54.3 m 54.3-55.1 m				
55.1-55.6 m (180.8'-182.4')	<p><u>Argillite (Chlorite Schist)</u></p> <ul style="list-style-type: none"> <li>-light green, medium hard weakly foliated chlorite with abundant detrital quartz</li> <li>-many small crosscutting calcite veins containing FeO staining, also abundant reddish brown and black crystals along foliation and fractures</li> <li>-@55.5 m (182.0') a quartz calcite vein with reddish brown crystals on the periphery</li> </ul>	55.1-55.6 m				
55.6-58.3 m (182.4'-191.2')	<p><u>Argillaceous Limestone</u></p> <ul style="list-style-type: none"> <li>-alternating thin light to dark grey limestone bands and dark green to black chlorite schist bands</li> <li>-strongly foliated with abundant thin crosscutting calcite veins</li> <li>-more chloritic areas exhibit extensive shearing and broken core with traces of clay gouge eg. 56.4-56.7 m (185.0'-186.0') and 57.5-57.6 m (188.5'-189.0')</li> <li>-@57.3 m (188.0') foliation=42° to core</li> <li>-58.0-58.3 m (190.4'-191.2') open fractures @ 15-20° to core with vugs of quartz crystals and also very pink fine crystals (carbonate?)</li> <li>Trace of very fine grained pyrite throughout unit</li> <li>-@ 58.3 m (191.2') bottom contact sharp @ 32° to core</li> </ul>	55.6-56.4 m 56.4-58.3 m				

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## DIAMOND DRILL LOG

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DEPTH	DESCRIPTION	LENGTH	ASSAYS			
58.3-68.0 m (191.2'-223.2')	<p><u>Porphyritic Andesite Flow</u></p> <p>-light grey green, medium hard with a very sheared vague porphyritic texture</p> <p>-58.3-64.3 m (191.2'-211.0') very sheared with less mafic minerals and poor porphyritic texture, while from 64.3-68.0 m (211.0'-223.2') the porphyritic phenocrysts are more distinct</p> <p>-1-2 mm phenocrysts of plagioclase, quartz, and chlorite</p> <p>-minor dark grey quartz calcite veins scattered throughout this unit</p> <p>-also abundant thin hairlike calcite fractures</p> <p>-abundant open fractures @ 15° to core</p> <p>-Traces of very fine grained pyrite disseminated throughout unit</p> <p>-61.0-64.3 m (200.0'-211.0') abundant thin crosscutting fractures containing very small reddish brown and black crystals</p> <p>-@ 68.0 m (223.2') there is a 10 cm (4") dark grey quartz vein with calcite filled fractures and irregular chlorite and sericite blotches with trace of clay gouge at the bottom contact</p>	58.3-59.4 m 59.4-60.7 m 60.7-61.9 m 61.9-63.1 m 63.1-64.3 m 64.3-65.5 m 65.5-66.8 m 66.8-68.0 m				
58.0-71.4 m (223.2'-234.2')	<p><u>Argillite (Chlorite Schist)</u></p> <p>-dark green, very sheared, thin bands of chloritic schist alternating with minor thin light to dark grey detrital sandy bands</p> <p>-@ 69.8 m (229.0') foliation=55° to core</p> <p>-locally abundant hairlike crosscutting calcite fractures</p> <p>-locally intense reddish brown to yellow FeO staining on foliation planes and fractures</p> <p>-minor faulting and clay gouge along the foliation at 68.0, 68.5, 69.1 and 70.6 m (223.2', 224.8', 226.8', 231.5')</p> <p>-@69.3 and 71.2 m (227.2', 233.5') 10 cm (4") dark grey quartz vein containing calcite fractures with chlorite and very fine pyrite</p>	68.0-68.6 m 68.6-69.8 m 69.8-70.7 m 70.7-71.4 m				
71.4-78.3 m (234.2'-256.8')	<p><u>Argillaceous Quartzite</u></p> <p>-dark grey to dark green, very hard, moderately foliated</p> <p>-sheared detrital quartz in a matrix of chlorite and sericite with minor thin chlorite schist bands</p> <p>-locally minor plagioclase and pyroxene recognizable-may be minor porphyritic andesite</p> <p>-abundant very fine hairlike crosscutting calcite fractures</p>	71.4-71.9 m 71.9-73.2 m 73.2-74.4 m				

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DIAMOND DRILL LOG

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PG. 6

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
<p>-@73.5 m (241.0') foliation=52° to core                      -locally minor open fractures @ 15° to core, also fractures containing reddish FeO staining                      -@ 74.7 m (245.0') 7 cm (3") dark grey quartz vein with fine calcite fractures and reddish brown and yellow stained crystals                      -faulting and clay gouge @ 71.9, 72.8, 75.6 and 77.7 meters (235.8, 239.0, 248.0 and 255.0')                      -faulting and broken core @ 71.4-72.1 m (234.2'-236.5') and 72.7-73.3 m (238.5-240.5')                      -74.7-78.3 m (245.0'-256.8') increased number of thin reddish brown FeO stained foliation and fracture planes</p>	<p>74.4-75.3 m                      75.3-76.2 m                      76.2-77.1 m                      77.1-78.3 m</p>					
<p>8.3-79.2 m                      256.8'-260.0')</p>	<p><u>Argillite (Chlorite Schist)</u>                      -very sheared, soft, dark green to black thin banded, strongly foliated                      -abundant dark brown to orange FeO staining                      very broken faulting                      -@ 78.6 m (258.0') fault 2" clay gouge</p>	<p>78.3-79.2 m</p>				
<p>9.2-80.0 m                      260.0'-262.5')</p>	<p><u>Interformational Conglomerate</u>                      -dark grey to black, very hard, weakly foliated, with rounded detrital dark grey quartz and light grey feldspar in a greenish grey matrix of quartz feldspar and chlorite                      -note blue quartz eyes visible                      -locally open fractures parallel core                      -core badly broken due to faulting                      -intense dark brown to orange FeO stain on all fractures</p>	<p>79.2-80.0 m</p>				
<p>0.0-80.8 m                      262.5-265.2')</p>	<p><u>Argillite (Chlorite Schist)</u>                      -dark green, very sheared, thin bands of chloritic schist strongly foliated                      -very broken core with abundant reddish orange crystals in fractures and along foliation                      minor hairlike quartz calcite fracture fillings</p>	<p>80.0-80.8 m</p>				
<p>0.8-81.5 m                      265.2'-267.3')</p>	<p><u>Calcareous Argillaceous Quartzite</u>                      -alternating bands of light and dark grey siliceous material and dark green chloritic schist                      very sheared with chloritic bands bent around 1 cm quartz fragments                      -abundant crosscutting calcite veins and locally calcareous areas in core</p>	<p>80.8-81.5 m</p>				

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DIAMOND DRILL LOG

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PG. 7

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
31.5-92.0 m (267.3'-301.8')	<p><u>@81.1 m (266.0') foliation=58° to core</u>                      --@81.1 m (266.2') 6 mm (1/4") vein @ 22° to core containing quartz, calcite with abundant pyrite crystals plus reddish brown and black crystals                      -@ 81.4-81.5 m (267.1'-267.3') faulting with reddish brown clay gouge</p> <p><u>Argillaceous Quartzite plus Porphyritic Andesite Flow</u></p> <p>-medium grey thickly banded siliceous sections alternating with thin banded dark green chlorite schist with several short sections of very sheared vague porphyritic andesite                      -abundant faulting, broken core and clay gouge parallel to foliation                      -traces of very fine grained pyrite throughout this unit                      -badly broken core @ 82.8-83.1 m, (271.5-272.5'); 87.5-88.7 m (287.0'-291.0');                      89.2-90.5 m (292.5'-297.0');91.4-91.6 m (300.0'-300.5')                      clay gouge along foliation @ 83.9 m (275.4'), 85.7 m (281.2'), 87.8 m (288.0'), 88.7 m (291.0'), 89.8 m (294.5'), 90.4 m (296.5')                      -@ 82.7 &amp; 83.1 m (271.2', 272.8') 5 cm (2") dark grey quartz and calcite fracture fillings with a few ankerite crstals and minor reddish brown crystals                      -@ 83.5-83.8 m (274.0'-275.0') very sheared porphyritic andesite flow                      -@ 86.7 m (284.5') foliation=42° to core</p>	<p>81.5-82.3 m                      82.3-83.2 m                      83.2-84.4 m                      84.4-85.6 m                      85.6-86.6 m                      86.6-88.1 m                      88.1-88.7 m                      88.7-90.2 m                      90.2-91.1 m                      91.1-92.0 m</p>				
32.0-93.8 m (301.8'-307.8')	<p><u>Argillite (Chlorite Schist)</u></p> <p>-dark green to black, strongly foliated, thin banded chlorite schist with minor thin crosscutting calcite veins                      -abundant 1/8 thin marcasite and pyrite crystals smeared on chlorite foliations, 92.7-93.3m (304.0'-306.0')                      -minor thin clay gouge on many foliation planes                      -@ 92.2 m (302.6') foliation=38° to core                      @ 93.8 (307.6') 5 cm (2") clay gouge with trace graphite</p>	<p>92.0-93.0 m                      93.0-93.8 m</p>				
33.8-96.9 m (307.8-318.0')	<p><u>Argillaceous Quartzite with Porphyritic Andesite Flow</u></p> <p>-alternating chloritic schist and quartzite bands with minor porphyritic andesite bands                      -alternating soft and hard bands, moderately foliated very sheared with locally abundant thin crosscutting calcite veins                      -@ 94.2 m (309.0') foliation=62° to core</p>	<p>93.8-94.8 m                      94.8-96.0 m                      96.0-96.9 m</p>				



## DIAMOND DRILL LOG

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
	<ul style="list-style-type: none"> <li>-@ 96.0 m (315.0') abundant marcarite and pyrite smeared on chloritic foliation planes</li> <li>-@ 96.3 m (316.0') 12 mm (½") dark grey quartz vein with calcite fracture fillings</li> <li>-@ 96.9 m (318.0') bottom contact faulted @ 62° to core with 5 cm (2") graphitic schist plus clay gouge</li> </ul>					
96.9-100.7 m (318.0'-330.4')	<p><u>Argillite (Chlorite Schist)</u></p> <ul style="list-style-type: none"> <li>-dark green to black, very sheared, strongly foliated soft core, with minor siliceous bands and locally minor crosscutting calcite veinlets</li> <li>3 to 5 % very fine grained marcasite and pyrite smeared along the chloritic foliation and in hairlike crosscutting fractures</li> <li>-@ 97.8 m (320.8') 5 cm (2") of black chloritic clay gouge with traces of graphite and abundant marcasite and pyrite</li> <li>-98.1 m (322.0') 2 mm (1/8"0 quartz calcite vein with abundant very fine grained pyrite crystals</li> <li>@ 97.8 m (321.0') foliation=48° to core</li> <li>-@ 100.7 m (330.4') bottom contact sharp @ 35° to core different from foliation</li> </ul>	96.9-98.1 m 98.1-99.1 m 99.1-100.0 m 100.0-100.7 m				
100.7-110.6 m (363.0'-364.4')	<p><u>Interformational Conglomerate</u></p> <ul style="list-style-type: none"> <li>-light grey, very hard, spotted texture with blue quartz eyes, weakly foliated</li> <li>-coarser (2 mm) detrital round black and dark grey and blue quartz grains with minor plagioclase grains in a very fine matrix of quartz, plagioclase and chlorite</li> <li>-traces of very fine grained pyrite and pyrrhotite disseminated throughout</li> <li>-@ 100.8, 101.9, 103.9, 104.1 m (330.9', 334.4', 341.0', 341.8') 20 cm (8") sections of argillite with traces of graphite</li> <li>-@102.1 m (335.0') foliation 28° to core</li> <li>-@ 106.7 m (350.0') minor calcite vains at 20° to core</li> <li>-@ 109.1 m (358.0') samll pyrite cubes in fractures</li> </ul>	100.7-101.5 m 101.5-102.4 m 102.4-103.3 m 103.3-104.2 m 104.2-104.9 m 104.9-105.8 m 105.8-106.7 m 106.7-107.4 m 107.4-108.2 m 108.2-109.1 m 109.1-109.7 m 109.7-110.6 m				
110.6-111.1 m (363.0'-364.4')	<p><u>-Argillite (Chlorite Schist)</u></p> <ul style="list-style-type: none"> <li>-black, thin banded chlorite schist with minor</li> <li>-interbands of siliceous material</li> <li>-very broken and faulted core with traces of graphite</li> <li>-@ 110.7 m (363.2') 5 cm (2") of black clay gouge parallel to the foliation</li> <li>-minor marcasite along foliation</li> <li>-minor calcite in irregular veinlets</li> </ul>	110.6-111.1 m				

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DIAMOND DRILL LOG

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DEPTH	DESCRIPTION	LENGTH	ASSAYS			
111.1-112.4m (364.4'-368.7')	<p><u>Argillaceous Quartzite</u>                      -dark grey, thin banded quartzite alternating with minor thin dark, green chlorite schist                      -abundant thin crystals of marcasite and pyrite smeared on the chlorite foliation                      -111.6m (366.0') foliation = 41° to core                      -111.9m (367.0') thin calcite vein @ 20° to core</p>	111.1-111.7m 111.7-112.4m				
112.4-113.8m (368.7'-373.2')	<p><u>Interformational Conglomerate</u>                      -light green to medium grey, very hard, poorly foliated with a spotted appearance                      -dark grey, black and blue detrital quartz grains and grey plagioclase grains in a very fine grained matrix of quartz and plagioclase                      -abundant thin crosscutting calcite veinlets                      -traces of very fine grained disseminated pyrite throughout</p>	112.4-113.0m 113.0-113.8m				
113.8-114.3m (373.2'-375.0')	<p><u>Argillite (Chlorite Schist)</u>                      -dark green, soft, very sheared, well foliated, thin banded with traces of clay gouge on foliation                      -@ 114.3m (375.0') foliation = 38° to core                      -abundant marcasite and pyrite smeared on the chloritic foliation planes                      -minor thin crosscutting calcite veinlets</p>	113.8-114.3m				
114.3-115.9m (375.0'-380.2')	<p><u>Interformational Conglomerate</u>                      -greenish dark grey, very sheared, very hard, weakly foliated, spotted appearance                      - 3 mm dark grey, black and blue detrital round quartz grains plus grey plagioclase grains in a very fine grained quartz plagioclase matrix                      -114.3-115.4m (375.0'-378.5') faulting and very broken core                      -abundant hairlike calcite veinlets crosscutting with 2 mm (1/8") pyrite cubes                      -traces of very fine grained disseminated pyrite</p>	114.3-115.4m 115.4-115.9m				
115.9-118.4m (380.2'-388.5')	<p><u>Argillaceous Quartzite</u>                      -short sections of dark green chloritic schist alternating with 30-60 cm (1-2") sections of dark grey quartzite with thin chloritic schist bands                      -traces of very fine grained disseminated pyrite in quartzites                      -locally marcasite crystals smeared on chloritic schist foliation planes                      -@ 117.3m (385.0') several thin stringers of very fine grained pyrite @ 30° to core and thin calcite veinlets @ 38° to core                      -@ 116.7m (383.0') 7mm (1") quartz calcite vein with 50% fine pyrite cubes</p>	115.9-116.4m 116.4-117.5m 117.5-118.4m				

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DIAMOND DRILL LOG

HOLE NO. 89-6

PG. 10

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
118.4-124.6m (388.5'-408.7')	<p><u>Calcareous Argillaceous Quartzite</u></p> <ul style="list-style-type: none"> <li>-medium grey to olive green, very fine grained, sheared, weakly foliated, locally very calcareous with alternating bands of siliceous material and chlorite schist</li> <li>-locally core has a brecciated appearance with abundant veinlets of calcite or angular quartzite fragments in a matrix of calcite</li> <li>-traces of fine grained pyrite and chalcopyrite disseminated</li> <li>-@ 118.4m (388.5') faulted top contact 5 cm (2") chloritic gouge</li> <li>-abundant thin chloritic schist bands with marcasite and pyrite smeared on the foliation at 123.0-123.1m (403.5'-404.0') and 124.2-124.6m (407.5'-408.7')</li> <li>-124.0-124.6m (407.0'-408.7') faulting, core broken</li> <li>-@ 124.4m (408.2') 5 cm (2") fault, chloritic clay gouge with traces of graphite</li> </ul>	<p>118.4-119.2m 119.2-120.1m 120.1-121.0m 121.0-121.9m 121.9-122.8m 122.8-123.7m 123.7-124.6m</p>					
124.6-128.8m (408.7'-422.7')	<p><u>Interformational Conglomerate</u></p> <ul style="list-style-type: none"> <li>-medium to dark grey, very hard, weakly foliated with spotted appearance</li> <li>-dark grey, black and blue detrital round quartz grains and grey plagioclase grains in a very fine grained quartz plagioclase matrix</li> <li>-minor chlorite and sericite on foliation planes</li> <li>-@ 125.6m (412.0') FeO staining on fractures with traces of marcasite smeared on chloritic foliation planes</li> <li>-@ 128.6m (417.0') foliation = 42° to core</li> <li>-@ 128.6m (422.0') reddish brown and black crystals along fractures with FeO staining</li> <li>-abundant thin calcite veinlets at 3 orientations, parallel to core, 10° and 40° to core</li> <li>-@ 128.8m (422.7') bottom contact sharp at 54° to core</li> </ul>	<p>124.6-125.6m 125.6-126.5m 126.5-127.4m 127.4-128.0m 128.0-128.8m</p>					
28.8-130.5m (422.7'-428.3')	<p><u>Calcareous Argillaceous Quartzite</u></p> <ul style="list-style-type: none"> <li>-olive green, fine grained, weakly foliated, moderately calcareous, with 5-10 % dark grey quartz veins and thin calcite veinlets</li> <li>-traces of very fine grained disseminated pyrite and FeO staining in quartz veins</li> <li>-@ 130.1m (426.8') 7mm (1') pyrite crystals in a fractured quartz vein</li> <li>-130.1-130.5m (426.8'-428.3') intense FeO stain on fractures</li> <li>-@ 130.5m (428.3') bottom contact sheared with graphitic schist @ 34° to core</li> </ul>	<p>128.8-129.5m 129.5-130.5m</p>					

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-6

PG. 11

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
130.5-131.2m (428.3'-430.5')	<p><u>Graphitic Schist (Fault Zone)</u>                      -black, soft, very sheared, strongly foliated with FeO staining on the foliation planes                      -core very broken, predominately graphitic, chloritic fragments with thin crosscutting calcite veinlets                      -@ 131.2m (430.5') bottom contact sharp @ 52° to core</p>	130.5-131.2m				
131.2-138.0m (430.5-452.6')	<p><u>Argillaceous Quartzite</u>                      -very hard, dark grey quartzite with minor dark green to black chloritic schist bands                      -strongly sheared and foliated                      -minor thin calcite veinlets parallel to core, 22° and 40° to core                      -minor marcasite crystals smeared on chloritic foliation planes                      -@ 132.9m (436.0') foliation = 63° to core                      -traces of very fine grained disseminated pyrite</p>	131.2-132.1m 132.1-133.0m 133.0-134.0m 134.0-134.9m 134.9-135.8m 135.8-136.6m 136.6-137.2m 137.2-138.0m				
138.0-141.0m (452.6-462.7')	<p><u>Argillite (Chlorite Schist)</u>                      -light to dark green, thin banded chloritic schist with minor thin grey siliceous bands                      -very sheared and strongly foliated                      -calcareous from 139.0-139.5m (456.0'-457.6')                      -@ 138.4m (454.0') foliation = 53° to core                      -locally marcasite and pyrite crystals smeared on chloritic foliation planes                      -138.0-138.1m (452.6'-453.2') faulting, core badly broken with traces of clay gouge                      -@ 139.1 &amp; 140.6m (456.4'-461.2') a dark grey quartz vein with calcite fractures</p>	138.0-138.7m 138.7-139.6m 139.6-140.5m 140.5-141.0m				
141.0-143.0m (462.7-469.0')	<p><u>Quartzite</u>                      -light green to medium grey, fine grained, very uniform, very hard, weakly foliated                      -minor crosscutting calcite veinlets                      -minor chlorite on foliation planes                      -traces of very fine grained pyrite on fractures                      -@ 143.0m (469.0') foliation =60° to core</p>	141.0-141.7m 141.7-142.3m 142.3-143.0m				
43.0-155.7m 469.0'-510.8')	<p><u>Porphyritic Andesite Flow</u>                      -medium grey to olive green, sheared, medium hard, moderately foliated                      -phenocrysts of plagioclase and pyroxene in a matrix of plagioclase and chlorite                      -abundant dark grey quartz veins 1.2-5 cm (1/2-2") with fine calcite fracture fillings                      -bleached area @ 144.3m (473.5') with large grey crystals in veins                      -abundant small alteration spots, saussuritization - epidote?</p>	143.0-143.9m 143.9-144.6m 144.6-145.1m 145.1-146.0m 146.0-146.9m 146.9-147.8m				

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-6

PG. 12

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
		147.8-148.7m				
		148.7-149.7m				
	-traces of very fine grained pyrite and pyrrhotite	149.7-150.6m				
	-146.6-146.9m (481.0'-482.0') faulting, broken core with FeO staining on fractures	150.6-151.5m				
	-151.8-152.1m (498.0'-499.0') open vugs with pyrite and calcite crystals	151.5-152.4m				
		152.4-153.3m				
		153.3-154.2m				
		154.2-155.1m				
		155.1-155.7m				
155.7-158.8m	<u>Interformational Conglomerate</u>					
(510.8'-521.0')	-dark grey to black, fine grained, very hard, weakly foliated	155.7-156.7m				
	-dark grey, black and blue detrital round quartz grains and grey plagioclase grains in a very fine grained plagioclase quartz matrix	156.7-157.6m				
	-2-3 % very fine grained interstitial pyrite and pyrrhotite	157.6-158.8m				
	-minor hairlike crosscutting calcite veinlets					
158.8-161.1m	<u>Calcareous Argillaceous Quartzite</u>					
(521.0'-528.7')	-olive green, very fine grained, very sheared, medium hard, uniform, locally calcareous	158.8-159.7m				
	-@ 159.0m (521.5') coarse pyrite crystals along chlorite foliation planes	159.7-160.6m				
	-159.4-159.7m (523.0'-524.0') faulting, core badly broken with traces of gouge plus small pyrite crystals	160.0-161.1m				
	159.7-160.2m (524.0'-525.5') intense FeO staining on broken core					
161.1-163.4m	<u>Interformation Conglomerate</u>					
(528.7'-536.0')	-dark grey, very hard, weakly foliated, with a spotted appearance	161.1-161.8m				
	-dark grey, black and blue detrital round quartz grains and grey plagioclase grains in a very fine grained plagioclase and quartz matrix	161.8-162.8m				
	-traces of very fine grained disseminated pyrite	162.8-163.4m				
	-more abundant pyrite smeared along foliation planes near top contact					
	-top contact sharp @ 52° to core					
	-bottom contact very gradational					
	-@ 162.8m (534.0') intense yellow FeO stain on fractures					
163.4-170.1m	<u>Quartzite</u>					
(536.0'-558.0')	-medium to dark grey, fine grained, very sheared, very uniform, weakly foliated, with very minor chlorite on foliation planes	163.4-164.3m				
		164.3-165.2m				
		165.2-166.1m				

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
	-abundant crosscutting calcite veins	166.1-167.0m					
	-locally weakly calcareous	167.0-167.6m					
	-locally bleached to olive green, alteration to sericite?	167.6-168.6m					
		168.6-169.5m					
		169.5-170.1m					
170.1-176.8m (558.0-580.0')	<u>Porphyritic Andesite Flow</u>						
	-medium hard, light greenish grey, weakly foliated	170.1-171.0m					
	-obvious porphyritic texture, good visible plagioclase lath crystals	171.0-171.9m					
	7 mm (1/2") plagioclase and pyroxene phenocrysts in a fine grained matrix of plagioclase and	171.9-172.8m					
	-chlorite	172.8-173.7m					
	-abundant thin crosscutting calcite fracture fillings	173.7-174.7m					
	-176.8m (580.0') at bottom contact faulting core broken	174.7-175.6m					
		175.6-176.2m					
		176.2-176.8m					
176.8-189.4m (580.0-621.5')	<u>Siliceous Argillite</u>						
	-hard, light grey quartzite bands alternating with light and dark green chlorite schist bands	176.8-177.4m					
	-wavy foliation	177.4-178.6m					
	-abundant thin crosscutting calcite fracture fillings	178.6-179.8m					
	-trace to 1% very fine grained pyrite disseminated	179.8-180.7m					
	-177.4-179.2m (582.0-588.0') fault zone with graphitic clay gouge and very broken core	180.7-181.7m					
		181.7-182.6m					
		182.6-183.5m					
		183.5-184.4m					
		184.4-185.3m					
		185.3-186.2m					
		186.2-187.1m					
		187.1-188.1m					
		188.1-188.7m					
		188.7-189.4m					
189.4-195.5m (621.5-641.3')	<u>Argillite (Chlorite Schist)</u>						
	light to dark green, very fine grained, soft, poorly foliated, almost massive except for subtle colour changes	189.4-190.2m					
	-@ 192.3m (631.0') foliation =23° to core, with thin fracture fillings of pyrite	190.2-191.1m					
	-@ 193.4m (634.5') foliation =62° to core	191.1-192.0m					
	-195.0-195.5m (639.8-641.3') faulting, core badly broken with minor clay gouge, also traces of pyrite in fractures	192.0-192.9m					
		192.9-194.2m					
		194.2-195.1m					
		195.1-195.5m					

## NOBLE METAL GROUP INCORPORATED

## DIAMOND DRILL LOG

HOLE NO. 89-6

PG. 14

DEPTH	DESCRIPTION	LENGTH	ASSAYS				
195.5-202.9m (641.3-665.7')	<u>Interformational Conglomerate</u> -very hard, dark grey, weakly foliated with a spotted appearance -obvious detrital quartz grains of blue and black colour and grey plagioclase grains in a very hard fine grained matrix of quartz and plagioclase -minor thin calcite veinlets -traces of very fine grained disseminated pyrite with a few thin pyrite fracture fillings -faulting and broken core 195.5-195.9m (641.3-643.0') and 196.6-197.8m (645.0-647.7') -graphitic chloritic schist 197.4-197.8m (647.7-649.0') -faulting and broken core 198.1-198.2m (649.8-650.2') -199.2-199.8m (653.6-655.6') fine grained pyrite in fractures also abundant thin quartz calcite fracture fillings in chlorite schist -faulting and clay gouge 199.8-199.9m (655.6-656.0')	195.5-196.4m 196.4-197.4m 197.4-197.8m 197.8-198.7m 198.7-199.6m 199.6-200.6m 200.6-201.5m 201.5-202.4m 202.4-202.9m					
202.9-203.2m 665.7-666.6')	<u>Graphitic Argillite</u> -black, soft, thin banded, fine grained, very sheared -faulting, core badly broken -abundant thin layers of graphite and clay gouge along foliation planes of chlorite schist	202.9-203.2m					
203.2-205.2m 666.6-673.2')	<u>Siliceous Argillite</u> -dark green to black, fine grained, sheared, poorly foliated -massive, nonbanded, unbroken mixed quartz, chlorite and sericite -trace to 1% very fine grained pyrite disseminated -minor crosscutting calcite veins	203.2-204.2m 204.2-205.2m					
205.2-211.1m 673.2-692.6')	<u>Interformational Conglomerate</u> -very hard, weakly foliated, dark grey, spotted appearance -obvious round detrital grains of grey, black and blue quartz and grey plagioclase in a very hard, fine grained quartz plagioclase matrix -traces of very fine grained disseminated pyrite	205.2-206.0m 206.0-207.0m 207.0-207.9m 207.9-208.8m 208.8-209.7m 209.7-210.3m 210.3-211.1m					

NOBLE METAL GROUP INCORPORATED

DIAMOND DRILL LOG

HOLE NO. 89-6

PG. 15

DEPTH	DESCRIPTION	LENGTH	ASSAYS			
211.1-215.5m (692.6-707.0')	<p><u>Siliceous Argillite</u>                      -thin, grey siliceous bands alternating with light and dark green chloritic schist bands                      -locally the foliation is very contorted                      -minor thin crosscutting calcite veinlets                      -213.4-213.6m (700.2-700.8') thin conglomerate band with sharp contacts at 68" to core (slightly crosscutting foliation)                      -@ 214.1 and 215.2m (702.5 &amp; 706.0') dark grey quartz vein with fine grained pyrite</p>	211.1-211.5m 211.5-212.4m 212.4-213.4m 213.4-214.3m 214.3-215.5m				
	END OF DRILL HOLE					
	DRILLING STOPPED DUE TO LACK OF DRILL PIPE					



NOBLE METAL GROUP INCORPORATED

DRILL HOLE CORE RECOVERY 89 %

4.6-6.1m	1.0m	15.0-20.0'	3.2'	64.9-66.8m	1.8m	213.0-219.0'	6.0'
6.1-7.3m	0.9m	20.0-24.0'	3.0'	66.8-68.6m	1.7m	219.0-225.0'	5.6'
7.3-9.1	1.5	24.0-30.0'	5.0'	68.6-71.0m	2.4m	225.0-233.0'	8.0'
9.1-11.0m	0.5m	30.0-36.0'	1.7'	71.0-71.9m	0.6m	233.0-236.0'	2.0'
11.0-11.9m	0.5m	36.0-39.0'	1.6'	71.9-73.2m	0.8m	236.0-240.0'	2.6'
11.9-13.7m	1.2m	39.0-45.0'	4.0'	73.2-74.4m	1.1m	240.0-244.0'	3.6'
13.7-14.6m	0.4m	45.0-48.0'	1.2'	74.4-77.1m	2.7m	244.0-253.0'	9.0'
14.6-16.2m	1.3m	48.0-53.0'	4.3'	77.1-78.0m	0.9m	253.0-256.0'	2.8'
16.2-17.4m	1.2m	53.0-57.0'	3.8'	78.0-78.9m	0.6m	256.0-259.0'	2.0'
17.4-19.8m	2.1m	57.0-65.0'	6.8'	78.9-80.2m	1.2m	259.0-263.0'	4.0'
19.8-20.7m	0.6m	65.0-68.0'	2.0'	80.2-82.0m	1.5m	263.0-269.0'	5.0'
20.7-21.9m	1.2m	68.0-72.0'	3.8'	82.0-83.2m	1.2m	269.0-273.0'	3.8'
21.9-23.5m	1.5m	72.0-77.0'	5.0'	83.2-84.4m	0.9m	273.0-277.0'	3.0'
23.5-25.9m	2.4m	77.0-85.0'	8.0'	84.4-86.0m	1.2m	277.0-282.0'	4.0'
25.9-26.7m	0.6m	85.0-87.5'	2.0'	86.0-86.6m	0.5m	282.0-284.0'	1.6'
26.7-27.4m	0.8m	87.5-90.0'	2.5'	86.6-88.1m	1.2m	284.0-289.0'	4.0'
27.4-28.0m	0.3m	90.0-92.0'	1.0'	88.1-88.7m	0.5m	289.0-291.0'	1.5'
28.0-29.0m	0.5m	92.0-95.0'	1.8'	88.7-90.2m	1.1m	291.0-296.0'	3.5'
29.0-30.8m	1.8m	95.0-101.0'	5.8'	90.2-91.7m	1.2m	296.0-301.0'	4.0'
30.8-32.6m	0.4m	101.0-107.0'	1.4'	91.7-93.0m	1.2m	301.0-305.0'	4.0'
32.6-33.2m	0.2m	107.0-109.0'	0.6'	93.0-93.9m	0.9m	305.0-308.0'	3.0'
33.2-35.4m	1.5m	109.0-116.0'	5.0'	93.9-96.0m	2.0m	308.0-315.0'	6.5'
35.4-37.5m	1.8m	116.0-123.0'	6.0'	96.0-96.6m	0.6m	315.0-317.0'	2.0'
37.5-40.5m	3.0m	123.0-133.0'	10.0'	96.6-98.1m	1.5m	317.0-322.0'	5.0'
40.5-43.0m	2.3m	133.0-141.0'	7.6'	98.1-101.2m	3.0m	322.0-332.0'	10.0'
43.0-43.6m	0.5m	141.0-143.0'	1.6'	101.2-104.2m	3.0m	332.0-342.0'	10.0'
43.6-44.3m	0.5m	143.0-145.5'	1.8'	104.2-107.3m	3.0m	342.0-352.0'	10.0'
44.3-46.0m	1.5m	145.5-151.0'	5.0'	107.3-109.7m	2.4m	352.0-360.0'	8.0'
46.0-46.6m	0.6m	151.0-153.0'	2.0'	109.7-110.6m	0.8m	360.0-363.0'	2.5'
46.6-48.5m	1.7m	153.0-159.0'	5.5'	110.6-111.6m	0.8m	363.0-366.0'	2.5'
48.5-50.9m	2.4m	159.0-167.0'	8.0'	111.6-113.8m	2.3m	366.0-373.5'	7.5'
50.9-52.4m	1.5m	167.0-172.0'	5.0'	113.8-115.4m	1.5m	373.5-378.5'	5.0'
52.4-54.3m	1.5m	172.0-178.0'	5.0'	115.4-116.4m	1.1m	378.5-382.0'	3.5'
54.3-56.4m	2.1m	178.0-185.0'	7.0'	116.4-117.8m	1.2m	382.0-386.5'	4.0'
56.4-57.3m	0.8m	185.0-188.0'	2.6'	117.8-120.1m	1.8m	386.5-394.0'	6.0'
57.3-58.2m	0.9m	188.0-191.0'	3.0'	120.1-122.2m	2.1m	394.0-401.0'	7.0'
58.2-58.8m	0.6m	191.0-193.0'	2.0'	122.2-124.1m	1.8m	401.0-407.0'	6.0'
58.8-61.0m	2.0m	193.0-200.0'	6.5'	124.1-124.4m	0.2m	407.0-408.0'	0.8'
61.0-62.5m	1.5m	200.0-205.0'	5.0'	124.4-127.1m	2.7m	408.0-417.0'	9.0'
62.5-64.9m	2.4m	205.0-213.0'	8.0'	127.1-130.1m	3.0m	417.0-427.0'	10.0'

NOBLE METAL GROUP INCORPORATED

DRILL HOLE CORE RECOVERY 89%

130.1-133.2m	3.0m	427.0-437.0'	10.0'
133.2-134.4m	1.2m	437.0-441.0'	4.0'
134.4-136.2m	1.8m	441.0-447.0'	6.0'
136.2-138.4m	2.1m	447.0-454.0'	7.0'
138.4-141.6m	3.0m	454.0-464.5'	10.0'
141.6-144.8m	3.0m	464.5-475.0'	10.0'
144.8-147.8m	3.0m	475.0-485.0'	10.0'
147.8-150.0m	2.1m	485.0-492.0'	7.0'
150.0-152.1m	1.8m	492.0-499.0'	6.0'
152.1-153.9m	1.8m	499.0-505.0'	6.0'
153.9-155.8m	1.8m	505.0-511.0'	6.0'
155.8-158.5m	2.7m	511.0-520.0'	9.0'
158.5-159.7m	0.9m	520.0-524.0'	3.0'
159.7-161.5m	1.7m	524.0-530.0'	5.5'
161.5-163.1m	1.5m	530.0-535.0'	5.0'
163.1-164.6m	1.5m	535.0-540.0'	5.0'
164.6-167.6m	3.0m	540.0-550.0'	10.0'
167.6-170.8m	3.0m	550.0-560.5'	10.0'
170.8-174.0m	3.0m	560.5-571.0'	10.0'
174.0-177.1m	3.0m	571.0-581.0'	10.0'
177.1-178.6m	0.4m	581.0-586.0'	1.2'
178.6-179.8m	0.8m	586.0-590.0'	2.5'
179.8-182.0m	1.8m	590.0-597.0'	6.0'
182.0-185.0m	2.9m	597.0-607.0'	9.5'
185.0-188.1m	3.0m	607.0-617.0'	10.0'
188.1-191.1m	3.0m	617.0-627.0'	10.0'
191.1-194.2m	3.0m	627.0-637.0'	10.0'
194.2-196.9m	2.7m	637.0-646.0'	9.0'
196.9-199.0m	2.1m	646.0-653.0'	7.0'
199.0-199.9m	0.8m	653.0-656.0'	2.5'
199.9-202.7m	2.7m	656.0-665.0'	9.0'
202.7-205.7m	2.9m	665.0-675.0'	9.5'
205.7-208.8m	3.0m	675.0-685.0'	10.0'
208.8-209.7m	0.8m	685.0-688.0'	2.5'
209.7-211.2m	1.4m	688.0-693.0'	4.5'
211.2-213.7m	2.4m	693.0-701.0'	8.0'
213.7-215.5m	1.8m	701.0-707.0'	6.0'