DRILL HOLE T-88-9 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE OCTOBER 29/88 PAGE 1 OF 10

AREA Grid 5
CLAIM 798679
CORE SIZE BQ
DATE STARTED October 22, 1988
COMPLETED October 29, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS HOLE STOPPED AT 180.46 m DUE TO SEIZING OF DRILL STRING. MAJOR SAND SEAM (FAULT) INTERSECTED AT 141.5 m

	DOWNHOLE	VERTICAL
DEPTH OVERBURDEN		
DEPTH HOLE		
ELEVATION		

CO-ORDINATES NORTHING 23+25 N
EASTING 17+00 E

LOGGED BY M. OSKIN
CHECKED BY Peter Coskin

598679 T-88-9 30m 40m

DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
22.17 m		-49°	Acid Test
76.1 m		-50°	"
121.8 m		-48°	"

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to intersect a moderately conductive roughly E-W trending feature with coincident magnetics centered on line 17+00E / 22+00N on Grid 5. The conductor was intersected 142.19 – 142.34 and is explained by a fluid-filled fault gouge zone. Of note was the development of a strong tectonic foliation in the rocks at 140.3 – 180.46. Biotite-chlorite ± Fe-carbonate alteration characterized the deformed rocks. The package is cut locally by Po-Py-Cp ± MT bearing (qtz-tourmaline-Fe-carbonate and quartz-epidote-chlorite) veins, veinlets and stringers. A small section of chert-chlorite banded oxide exhalite was also intersected in the volcano-sedimentary package at 92.12 – 94.75.

0.01% 0.03% 0.1% 0.3% 1% 2.5% 5% 10% 20% 40% 80%
– ( ) + = 1 2 4 8

VERY POORLY SORTED 2 POORLY SORTED 3 MODERATELY SORTED 5 WELL SORTED 7 VERY WELL SORTED 8

GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	22.05	OVERBURDEN
22.05	31.62	AMPHIBOLITE SCHIST
31.62	37.47	MAGNETIC AMPHIBOLITE SCHIST
37.47	52.55	AMPHIBOLITE SCHIST
52.55	54.54	LITHIC ARKOSE
54.54	78.5	AMPHIBOLITE SCHIST
78.5	81.0	BIOTITIC WACKE
81.0	92.12	AMPHIBOLITE SCHIST
92.12	94.75	CHERT-CHLORITE OXIDE EXHALITE
94.75	98.67	CHLORITIC WACKE
98.67	140.3	AMPHIBOLITE SCHIST
140.3	180.46	SHEARED AMPHIBOLITE
	180.46	END OF HOLE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
4566 – 4600
4701 – 4716

42H08NW0006 2.12293 TWEED

010

DRILL HOLE T-88-9 PROJECT TWEED **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE OCTOBER 27/88 PAGE 2 OF

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	fc
20–22	0 - 22.05 m - Overburden													
22–31	22.05-31.62 Amphibolite Schist fg to mg, massive to foliated, pale green to green-grey. Schistosity/foliation imparted by alternating bands of amphibole/chlorite and feldspar rich from 5mm-1.20m. Moderately to strongly developed foliation @ 80° to CA. Rock composed of 50% amphibole, 0% chlorite, 40% feldspar, 0.5% disseminated pyrite and in association w/ 1-2mm qtz microveinlets	0.5%	0.1 - 0.4	2	6	0	0	0	0	0	0	0	0.5 D,mv	0
31–37	31.62-37.42 Magnetic Amphibolite Schist Finer grained analogy of above described lithology. Contains 3% R as foliation parallel microveinlets (0.05-1mm) and 3-5% fg disseminated magnetite. 2% po, 0.5% cy qtz-calcite microveinlets on fracture set @ 10° to CA. Schistosity @ 75° to CA	1%	1.6 - 2.8		6	0.1	0	0	0	0	0.5	0	0.1 mv,D	2 mv,D
37–40	37.42 - 52.55 Amphibolite Schist As T 22.05 - 31.39	0.3	0.0 - 0.2		6	0	0	0	0	0	0	0	0	0.3 D,mv

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	
22.05	23.[illegible]	4561 4651 (?)	[illegible]		NIL		
24.37	25.37	4566	1.0		NIL		
25.37	26.21	4567	0.84	-	NIL		
26.21	26.91	4568	0.7		NIL		
31.82	32.82	4569	1.0		NIL		
32.62	33.32	4570	1.0		NIL		
33.22	34.62	4571	1.0		NIL		
34.62	35.62	4572	1.0		NIL		
35.62	36.52	4573	0.9		NIL		
36.52	37.42	4574	0.9		NIL		

DRILL HOLE T-83-9 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE OCTOBER 27, 1983

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres	DESCRIPTION
40	Amphibolite Schist
42	42.45 – 43.0 – 2% epidote, 0.3% calcite altered bands up to 3mm wide
46	46.0 – 50.0 – 3% [illegible] [illegible] or [illegible] planes @ 45° to CA
47	46.9 – 47.1 – Small felsic feldspar porphyry intrusive @ 55° to CA.
53	52.55 – 54.54 – Lithic Arkose – Foliation @ 80° to CA. Mly foliated, [illegible] grey with orange-brown mottling composed of 15% rounded feldspar clasts up to 6mm in biotite matrix
55	54.54 – 78.5 Amphibolite Schist
56	As at 22.95 – 31.62 but weakly to moderately epidotized throughout. Schistosity @ 78° to CA
58	0.3% calcite-epidote veining @ 32° to CA. 1-3mm wide. 0.3% v fg disseminated pyrite throughout
59	57.74 – 58.04 – Wacke – interflow sediment layer. Contacts sharp @ 65° to CA

Interval (m)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	chl	gf	cp	aspy	py	Po
40 – 47	0.3%	0.0 - 0.1%	2	6	0	0	0	0	0	0	0	0.5 D	0
47 – 52.55	0.3%	0.0 - 0.1%	2	6	0	0	0	0	0	0	0	0.5 D	0
52.55 – 54.54	0.3%	0.0 - 0.1%	1	4	0	0	0	0	0	0.1 D	0	0.3 D	0
54.54 – 58	0.3%	0.0 - 0.1%	2	6	0	0	0	0	0	0	0	0.3 D	0
58 – 60	0	0.0 - 0.1%	2	8	0.1	0	0.3	0	0	0	0	1.0 D	0

Alteration: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
42.45	43.0	4575	0.55		NIL		
43.0	44.3	4576	1.3		NIL		
44.3	44.9	4577	0.6		NIL		
46.0	46.9	4578	0.9		NIL		
58.04	59.04	4579	1.0		10		
59.04	59.85	4580	0.81		NIL		

DRILL HOLE [illegible]83-9 PROJECT TWEED

CHEVRON MINERALS LTD. DIAMOND DRILL LOG

DATE October 28, 1983 PAGE 4 OF [illegible]

DESCRIPTION (metres)

cg, fg, mg—coarse, fine, medium grained; diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

60

58.04 – 59.85 – Intermediate Feldspar Porphyry

mg, massive, green-buff coloured 55% feldspar up to 6mm, 1-2% biotite, 15% feldspar, 1.0% fg disseminated py, 40% quartz; local patchy weak sericite at random

63.54 – 65.34 – As at 58.04–59.85. Contacts sharp, [illegible] @ 80° to CA. Small fracture w/ right-lateral offset observed at lower contact @ 30° to CA.

70.88 – 72.63 As at 58.04–59.85. Moderate patchy sericitization as alteration selvage along fractures at 0° and 30° to CA. 1% dissem fg py. Contacts sharp @ 75° to CA

74.4 – 75.0 – Moderately sheared, highly silicified section @ 55° to CA. 3% py, 0.5% Po, 0.1% cpy as [illegible] // qtz-calcite-epidote veins & microveinlets from 2mm–1.2cm

75.78 – 78.5 – Fine grained massive amphibolite section. Moderately magnetic. 0.5% fg magnetite, 0.8% Po

Comment: Chill margin to a large gabbroic intrusive body?

78.5 – 81.0 – Biotite Wacke

Fine, banded to massive brownish green rock composed

80

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork); SAMPLING

Interval (m)	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	From (m)	To (m)	Sample #	Width (m)	Au ppb
58.04–59.85	0.3		2	5	0.1	0	0	0	0	0	0	0.3 D	0					
63.54–65.34	0		0	8	0	0	0.3	0	0	0	0	1 D	0					
	0.3	0.0 – 0.2	2	5	0	0	0	0	0	0	0	0.3 D	0					
70.88–72.63			0	8	0	0	4	0	0	0	0	1 D	0	70.88	71.88	4581	1.0	NIL
														71.88	72.63	4582	0.75	NIL
			2	5	0	0	0	0	0	0	0	0.3 D	0					
74.4–75.0	5	0.8	6	4	0.3	0	0	0	0	0.1	0	3	0.5	74.45	75.0	4583	0.6	NIL
	0.3	0.0-0.02	2	5	0.1	0	0	0	0	0	0	0.5 D	0	75.0	75.78	4584	0.78	NIL
75.78–78.5	0	1.7 – 2.4	1	5	0	0	0	0	0	0	0	0	0	75.78	76.58	4585	0.8	20/NIL
78.5–81.0	0	2.2	2	5	0	0	0	0	0	0.05	0	3.0	2 P	78.5	78.75	4586	0.25	NIL
		0.2	2	6	0	0	0	0	0	0.0	0	0.3	0	78.75	79.4	4587	0.65	NIL
		2.2-3.8	2	5	0	0	0	0	0	0.03	3.0	0	2 P	79.4	79.76	4588	0.36	10
														79.76	80.15	4589	0.39	NIL

DRILL HOLE T-88-9 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

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DESCRIPTION (metres)
cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

8.0

Biotite Wacke

78.52 – 1.5 cm chlorite slip @ 75° to CA

Banding at 78° to CA. Composed of 3 cm wide biotite-rich (60%) and 1 cm wide chlorite-rich bands (30%). Band parallel 8% fine pyrite microveinlets and 2-3% pervasive pyrrhotite mineralization throughout

78.75 – 79.4 – Lithic Arkose section as described of 52.55 – 59.2 – Massive. Lower contact gradational over 3 cm
79.4 – 79.76 – 25% sucrose quartz // primary bedding @ 80° to CA. 3% po, 15% py, 0.5% cpy as band // stringers & microveinlets
79.76 – 80.15 – Feldspar Porphyry. Upper & lower contacts sharp 85° to CA. Discordant to banding.
80.15 – 81.0 – As of 79.4 – 79.76 but 5% po, 4% py, 0.5% cpy (Sulfide iron formation)

81.0 – 92.12 Amphibolite Schist

fg to vfg, massive to moderately schistose, dark green to green-black, as of 22.05 – 31.62 composed predominantly of amphibole – ~~and~~ feldspar. Schistosity @ 67° to CA. Moderately chloritic, weakly to moderately epidotitic

81.8 – 82.23 – Biotite feldspar porphyry. Contacts @ 90°, sharp
82.23 – 84.0 – Biotite Wacke. 3% po, 0.5% py as diss microveinlets. Banding @ 80° to CA
85.96 – 87.61 As of 82.23 – 84.0. 10% pervasive po, 2% py, 0.3% cpy. Occasional cherty bands and altered amphibolite frags up to 3 cm. Weak banding @ 55° to CA.
87.61 – 89.23 Moderately epidotized pillow breccia. Angular pillow breccia frags up to 10 cm observed
89.23 – 92.12 Massive porphyritic mafic to intermediate intrusive 35% euhedral white and grey fsp up to 8 mm, mafic groundmass

92.12 – 94.75 Chert – Chlorite Banded Oxide Exhalite

fg to vfg, strongly banded to laminated, dark green to

100

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)

% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	po
10	3.7	3	5	0	0	0	0	0	0.5	0	4 mv,D	5 mv,D
0.5	0.1	3	5	0	0	0	0	0	0	0	0.3	0.5
0	0.0	0	8	0	0	0	0	0	0	0	0.5	6
4	0.0-1.2	2	5	0	0	0	0	0	0	0	2.5 mv,D	3 mv,D
0.3	0.0-0.11	2	5	0	0	0	0	0	0	0	0.3 D	0
15	2.1-3.3	3	6	0	0	0	0	0	0.3 Dmv	0	2 mv,D	11 P
0.5	0.0	2	5	0	0	0	0	0	0	0	6.5 D	0
0	0.0-0.2	0	7	0	0	0	0	0	0	0	0.5 D	0
2%	1.0-8.2	2	5	0.3	0	0	0	0	0	0	0.5 mv,D	1 mv,D
0	0.0-0.2	1	5	0	0	0	0	0	0	0	0.3 D	0
0.5	0.1	2	5	0	0	0	0	0	0	0	0.3 D	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
80.15	81.0	4590	0.85		NIL		
82.23	83.03	4591	0.8		20		
83.03	84.0	4592	0.97		NIL		
85.96	86.96	4593	1.0		20		
86.96	87.61	4594	0.65		20		
90.50	90.83	4595	0.3		NIL		
92.12	93.12	4596	1.0		NIL		
93.12	94.12	4597	1.0		NIL		
94.12	94.75	4598	0.63		NIL		
95.35	95.75	4599	0.4		10		

DRILL HOLE T-88-9 PROJECT TWEED

CHEVRON MINERALS LTD. DIAMOND DRILL LOG

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DESCRIPTION

metres | cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

100.0

green grey, 1-5% massive to disseminated magnetite bands (8mm). 5% grey siliceous cherty bands (3-3cm), 10% chlorite band (4mm-2cm), 1-2% epidote rich band, 50% biotite banding @ 65° to CA. 0.5% py, 1% po as band ∥ microveinlets & disseminations. 2% garnet as ∥ parallel concentrations, more abundant at bottom of section

94.75 - 98.67 *Chloritic Wacke*

As at 78.5 - 81.0 but chlorite more abundant than biotite (hornblende mafic offence?). Bedding @ 65° to CA. 0.5 - 1% small band parallel garnet concentrations (1-2mm)

98.67 - 140.3 *Amphibolite Schist*

As at 22.05 - 31.62. Schistosity @ 80° to CA. 0.5% black cherty hematite microveinlets @ 25° to CA. 0.5%-1% f.g. py associated with patchy to micropegmatitic epidote throughout.
100.22 - 101.16 - K-feldspathized feldspar porphyry intrusive. Contacts sharp @ 85° to CA.

106.04 - 108.27 10% epidote as discordant veinlets and veins from 3mm - 2cm and random patches. 0.3% calcite, 2% po, 2% py associated with epidotized sections. 10% chlorite clots (2-4mm), flattened ∥ schistosity (@ 63° to CA). Vuggy sections at random.
Schist has spotted appearance, which is a unique feature of this unit (5-10% chlorite clots up to 5mm).
1-3% patchy epidote at random throughout. 3% feldspar porphyry sections from 8-30 cm wide throughout.

108.7 - 117.0 3% hematite paint on late fractures @ 30° to CA. Minor specularite observed on these fractures

111.66 - Small, 1cm micropegmatitic(?) veinlets observed @ 90° to CA. Are cut by 1% qtz-tourmaline microveinlets @ 15° to CA. 1% f.g. semi-massive py. Another oblique fracture/veinset (@ 30°) - locally folded. Filled with qtz-epidote

113.56 - 114.6 - 1-2% qtz-tourmaline-carb vein. 1% f.g. bands py, 0.5% mt, 0.1% po along vein selvages. @ 15° to CA.
116.2 - 117.35 - 15% silicification w/ 1% qtz-tourmaline-hematite microveinlets

120.0

ALTERATION & MINERALIZATION %

d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	po
0.5	0.0	0	8	0	0	0	0	0	0	0	0.3 D	0
1	0.1-0.3		5	0	0	0	0	0	0	0	0.5 D	0
5	0.5-2.7	3	7	0	0	0	0	0	0	0	2 mv,D	2 mv,D
0.5-1%	0.0-0.4	2	5	0.1	0	0	0	0	0	0	0.5 D	0.3 D
2	0.1-3.3	2?	5	0.3	0	0	0.5	0	0	0	1, mv	0
0.5-1%	0.2-0.8	2	5	0.1	0	0	0	0	0	0	0.5 mv	0.3 mv
		2	6	0.1	0	0	0.5	0	0	0	1, mv	0.5, mv
		2	5	0.1	0	0	0	0	0	0	0.5 mv	0.1 mv

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb
106.04	106.84	4600	0.8		NIL
108.51	109.51	4601	1.0		NIL
111.56	112.56	4602	1.0		NIL
112.56	113.56	4603	1.0		NIL
113.56	114.6	4604	1.04		NIL
114.6	115.4	4605	0.8		NIL
115.4	116.2	4606	0.8		NIL
116.2	117.35	4607	1.15		NIL

DRILL HOLE T-88-9 PROJECT TUCCO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE October 29, 1988 PAGE 7 OF

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	f	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	[illegible]	Au ppb	Cu	Zn
120	Amphibolite Schist																					
1	at 25° to CA. 0.5% qv. 1% f.g. py as microveinlets	0.5	0.2–0.7	2	5	0.1	0	0	0	0	0	0	0.3 mv-0	0.1 mv,0	121.1	122.1	4608	1.0		NIL		
2	122.8 – 132.89 – Amphibolitic section [illegible] 2-3% qtz-carb-epi-chl [illegible] 122.57 – 123.12 – Intermediate porphyry intrusive. Contacts sharp																					
3	@ 85° to CA. 0.3% qv. 2% chlorite clots. 35% subhedral to euhedral fsp up to 5mm. Weakly potassic, calcareous	0.3	0.1	0	8	0.1	0	0	0	0	0	0	0.5 d	0	122.1	123.12	4609	1.02		NIL	-	
4		↓ 0.5	↓ 0.2 – 0.8																			
5																						
6				2	5	0.1	0	0	0	0	0	0	0.3 mv	0								
7	127.57 – 127.83 – Small chloritized sheared section @ 87° to CA. 0.5% qtz-carb-epi microveinlets @ 15° to CA. Cut by qtz-carb-chl-tour vn @ 55° to CA. 0.5% f.g. py selvages 5mm wide potassic altered selvages														126.6	127.1	4610	0.5		NIL		
															127.1	127.5	4611	0.4		NIL		
8				5	5	0.3	0	0	0.1	0	0	0	0.5 mv	0	127.5	127.9	4612	0.4		20/NIL		
9																						
130	130.4 – 130.62 – Potassic feldspar porphyry as at 122.57-123.12 by 5% potassic altered. Contacts @ 10° to CA																					
1																						
2	133.0 – 4cm f.g., massive mafic dyke. Contacts sharp @ 78° to CA.			2	5	0.3	0	0	0	0	0	0	0.3 D	0								
3																						
4																						
5																						
6	136.0 – 136.54 – Intermediate feldspar porphyry. Contacts @ 90° to CA. Sharp, discordant			0	3	20	0	0	0	0	0	0	0.50	0								
7	136.54 – 136.7 – Chlorite clots flattened in the foliation plane @ 80° to CA.																					
8	138.45 – 139.85 – Amphibolite developing a moderate foliation @ 90° to CA. Partial obliteration of chlorite clots			2	5	0.1	0	0	0.1	0	0	0	0.3	0.1								
9															138.45	139.0	4613	0.55		NIL		
140	139.85 – 140.30 – Fabric development strengthened to obliterate chlorite clots. Fabric @ 90° to CA			4	5	0.1	0	0	0.1	0	0	0	0.5	0.3	139.0	139.85	4614	0.85		NIL		

DRILL HOLE T-88-9 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE Oct. 29, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

14.0 — AMPHIBOLITE - SCHIST

140.3 – 180.46 Sheared Amphibolite

As at 98.67 – 140.3 but strong shear fabric development @ 55° to CA.
Rock composed of 40% qtz, 40% amphibole, 10% pale green chlorite, 5% calcite as foliation ‖ veinlets & stringers. 1-3% fine py, 0.5% po, as disseminations and along ‖ veinlets. Crenulation of shear fabric @ 72° to CA noted (~⊥ to plane).

140.72 – 140.81 – Tour-qtz-carb vein @ 65° to CA. 75% tour, 15% grey qtz, 6% pinkish white calcite, 3% chlorite, 2% euhedral (?) py.

141.8 – 142.19 – Strongly epidotized, chloritic pillow breccia(?) section.

142.19 – 142.34 – Fault gouge, loss of circulation. Probable cause of conductor!

– Sulfide-bearing qtz-carb-tour veinlets have biotite alteration halos from 4mm – 10 cm wide.

144.2 – 147.78 – Section highly epidotized and epidote-carb-qtz-cal veined throughout. Make out relict pillow selvages. Believed to be a tectonized pillow breccia section. 30% epidote, 1% calcite, 10% chlorite; 1-3% py, 0.5-1% po associated with epidotized sections as foliation ‖ microveinlets, disseminations and stringers. Foliation moderately developed, highly contorted. 1-2% felsite dykes (?), discordant to foliation, locally foliated throughout. Shear foliation @ 65-75° to CA.

148.43 – 149.26 – As at 144.2 – 147.78 but moderate epidote (15%). Foliation @ 75° to CA.

149.2 – 150.7 – Potassic feldspar porphyry. 3-5% biotite ‖ dominant foliation, 20% euhedral to subhedral white fsp up to 6mm. Grey-brown colour, 1% chlorite, 1% disseminated fine grained py. 1-3% qtz-tour-carb veining @ 0-10° to CA, silica-white sericite selvages. Upper 37 cm marked by potassic felsite dyke with 5cm wide biotite altered selvage. Contacts sharp @ 90° to CA (upper) & 30° to CA (lower). 3% qtz-tour veining @ 20° to CA. Foliation @ 70° to CA.

151.43 – 152.23 – Strongly epidotized pillow breccia section w/ 5% py, 2% po. Small 10cm felsite dyke at 3cm biotite.

Interval	% veins	Mag. sus.	Shear int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
Amphibolite schist (struck through)	0.5	0.0	6	5	0.3	0	0	0.3	0	0	0	0.5 D	0.3
	2-4	0.1-0.1	7	6	1	0	0	0.1	0	0	0	2	0
140.3 –	5%	0.2-0.7	8	6	0.5	0	0	0.1	0	0	0	1-3 mv, D	0.5 mv, D
140.72 –	20%	1-2	6	8	1	0	0	0.5	0	0	0	1-3 mv, D	0.5 mv, D
142.19 –	5	0.2-0.7	8	6	0.5	0	0	0.1	0	0	0	1-3 mv, D	0.5 mv, D
	10%	0.5-0.7	6	7	0.5	0	0	0.1	0	0	0	1 mv, D	0.3 mv, D
144.2 –	3	0.0-0.1	5	8	0	0	0	1	0	0	0	0.5 D	0
	5	0.2	7	6	1	0	0	0.1	0	0	0	1 mv, D	0.3 mv, D
	15	2-3	5	8	0.5	0	0	0	0	0	0	5 D, P	2 D, P
	20	0.0-0.6 (↓)	7 (↓)	8	0.5	6	0	0.3	0	0	0	3 mv	0.5-1% mv
149.2 –	0.5			6	0.3	0	0	0	0	0	0	0.5 mv	0.3 mv
	10			8	0.5-1	0	0	1	0	0.5-1 mv	0	1% mv, D	5-10% mv, D
	0.5			6	0.3	0	0	0	0	0	0	0.5 mv	0.3 mv
151.43 –	3.5		8-9	7	0.5-1	0	0	3-5	0.3	0.1 mv	0	0.5-1% mv	1-3 mv

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag (ppm)	Au ppb	Cu Zn ppm
139.85	140.3	4615	0.45		10	
140.3	140.9	4616	0.6		NIL	
140.9	141.8	4617	0.9	—	NIL	
141.8	142.94	4618	0.54	—	NIL	
142.34	143.4	4619	1.06		NIL	
143.4	144.2	4620	0.8		NIL	
144.2	145.2	4621	1.0	—	NIL	
145.2	146.2	4622	1.0	—	NIL	
146.2	147.2	4623	1.0		NIL	
147.2	147.78	4624	0.58		NIL	
147.78	148.43	4625	0.65	—	NIL	
148.43	149.2	4626	0.78		NIL	
149.2	149.7	4627	0.5		NIL	
149.7	150.7	4628	1.0		20	
150.7	151.48	4629	0.78		NIL	
151.48	152.23	4630	0.75		20	
152.23	152.73	4631	0.5		10	
152.73	153.43	4632	0.7		NIL	
153.43	154.13	4633	0.7		NIL	
154.13	154.93	4634	0.8		NIL	
154.93	155.93	4635	1.0		NIL	
155.93	156.74	4636	0.81		NIL	
156.74	157.39	4637	0.65		NIL/10	
157.39	158.1	4638	0.71		NIL	
158.1	158.55	4639	0.45		NIL	
158.55	159.35	4640	0.8		NIL	
159.35	160.0	4641	0.65		NIL	

DRILL HOLE F-88-9 PROJECT TUEGO **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE Oct 27, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

152.78 – 154.2 – Strongly [illegible] pillow breccia section as at 149.2–147.78, 1–3% int, 3% py, 0.5–1% po as foliation ll veinlets & stringers in qtz–calcite gangue. Foliation contorted.

154.2 – 156.74. Chlorite [illegible]. Fg, banded mafic volcanic-derived sediment. Occasional biotite band up to 2cm wide. 0.5% qtz–cpy–carb veining with 0.5% microveinlets of py and 0.5% po. Banding @ 80° to CA.

156.74 – 158.1 – As at 152.2–156.74 but banding Z-folded and 10–15% biotite, 3–10% po, 0.5–1% cpy, 1% py as discordant qtz–tour–calcite veins & veinlets. Veins have carbonate selvage up to 1cm wide. 1.5cm spherical body of bright purple-green mineral [illegible] @ 156.88.

158.1 – 180.46 – Amphibolite. Highly sheared, foliated and drag folded. Z fold geometry observed. CA° variable from 0–60° to CA.

158.56 – 159.97 – 3–5% qtz–tour–calcite veining, banded, are foliation parallel (0–20° to CA) and oblique (35°–40° to CA). Have biotite–calcite altered selvages. 1–3% po, 0.5–1% py, 0.1% cpy as fracture fillings in veins [illegible] at vein selvages.

162.2 – 163.12 – Foliated [illegible] Feldspar Porphyry [illegible] @ 10–40 to CA

165.55 – 168.77 – 3–5% qtz–tour–calcite ± [illegible] veining, ribboned, from 1–7cm wide, foliation ll to oblique. Foliation from 0–55° to CA. Veins have 1–4 cm wide biotite alteration selvages. 1–3% py, 1–2% po, 0.1–0.3% cpy. Crenulation cleavage oblique to [illegible] @ 40° to CA observed.

173.0 – 176.57 – Section moderately biotitic giving rock a brownish hue. 15% biotite ll foliation. 0.5%–1% py, 0.5% po, as foliation ll and oblique veins, microveinlets. 1% felsic dykes @ 60–65° to CA at random.

176.57 – 178.9 – Moderately to weakly textured amphibolite section. 5–10% chlorite clots, partially flattened, observed @ 70° to CA.

178.9 – 180.46 – As at 173.0–176.57

ALTERATION & MINERALIZATION % (d—disseminated, mv—microveined, p—pervasive, v—veined, sk—stockwork)

Interval	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	B
152.78–154.2	0.5–1	0.0–0.6	6–9	7	0.3	0	0	0.3	0	0	0	0.5 mv, D	0.3 mv, D
154.2–156.74	0.5		7	8	0	0	0	0.1	0	0	0	0.3 D	0.2 D
156.74–158.1	0.5–1		6–9	7	0.3	0	0	0	0	0	0	0.5 mv, D	0.3 mv, D
158.1–	3–5			7	0.5–1	0	0	2	0.3	0.1–0.3	0	1–3 mv	1–2 mv
	2–3			7	0.5–1	0	0	0.5	0	0	0	0.5 mv	0.3 mv, D
	1			6	0.5	0	0	0.5	0	0	0	0.5–1 mv	0.5 mv
176.57–178.9	10		3	5–6	0	0	0	0	0	0	0	0.3 D	0
178.9–180.46	0.5		8–9	6	0.5	0	0	0.1	0	0	0	0.5 mv, D	0.1 mv, D

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
160.0	161.0	4642	1.0		NIL		
~~161.0~~	~~162.2~~	~~4643~~	~~1.2~~	–	NIL	–	–
~~162.2~~	~~163.12~~	~~4644~~	~~0.92~~	–	NIL		
163.12	163.97	4645	0.85		NIL		
163.97	164.97	4646	1.0	–	NIL		
164.97	165.55	4647	0.58		NIL		
165.55	166.55	4648	1.0		40		
166.55	167.35	4649	0.8		50/30		
167.35	168.35	4650	1.0		NIL		
168.35	168.77	4701	0.42		NIL		
168.77	169.47	4702	0.7		NIL		
169.47	170.07	4703	0.6		NIL		
170.07	171.07	4704	1.0		NIL		
171.07	172.07	4705	1.0		NIL		
172.07	173.0	4706	0.93		NIL		
173.0	173.7	4707	0.7		NIL		
173.7	174.7	4708	1.0		NIL		
174.7	175.4	4709	0.7		NIL		
175.4	176.2	4710	0.8		NIL		
176.2	176.8	4711	0.6		NIL	–	–
176.8	177.8	4712	1.0		NIL		
177.8	178.9	4713	1.1		NIL		
178.9	179.5	4714	0.6		NIL		
179.5	180.25	4715	0.75		NIL		

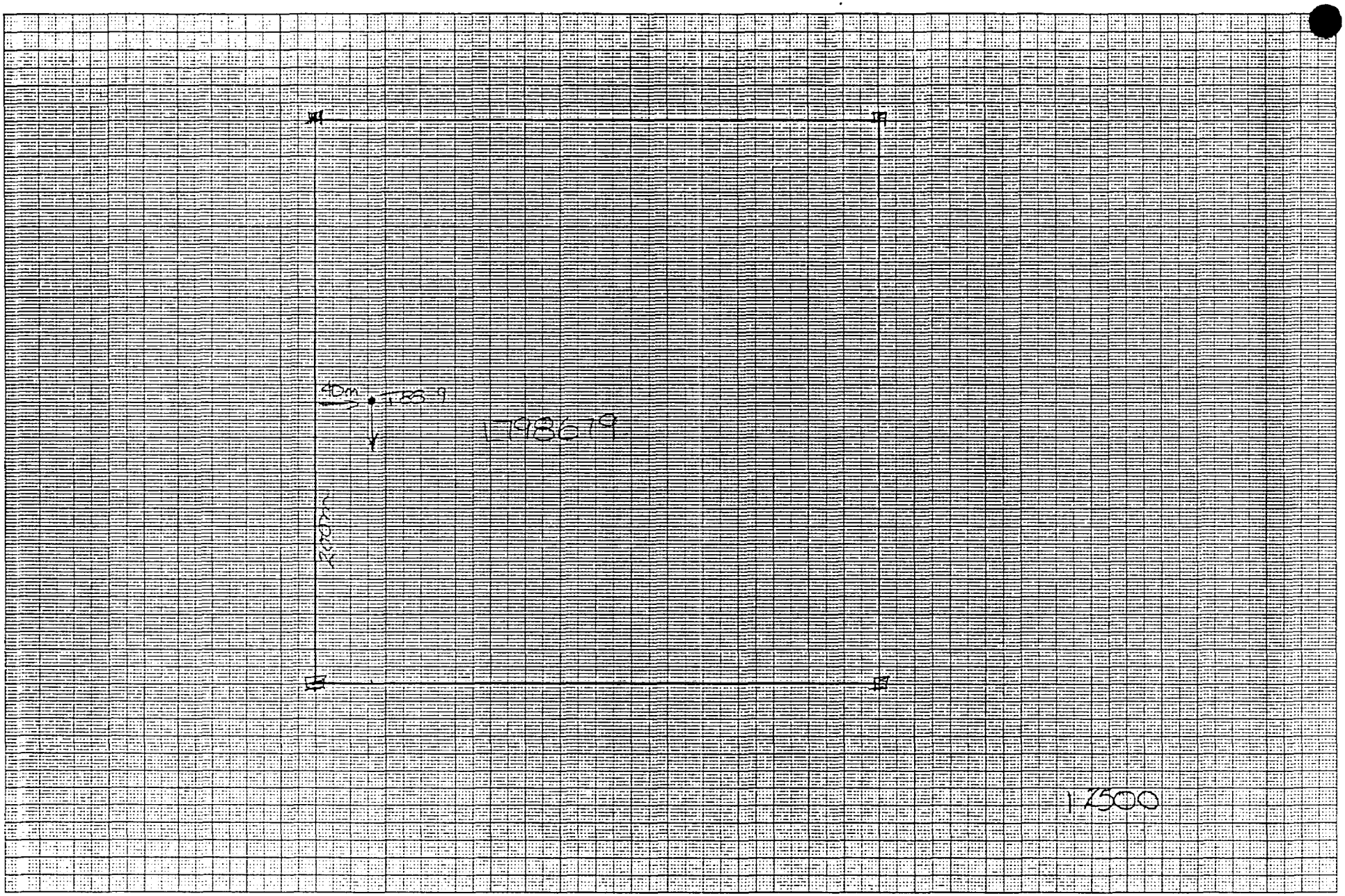
DRILL HOLE T-88-9 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE OCT 27, 1988 PAGE 10 OF 1[illegible]

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained; diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	R	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
180	180.46 - End of Hole	0.5	0.0	8	6	0.5	0	1	0.1	0	0	0	0.5 mv	0.1 mv	180.25	180.46	4716	0.21		NIL		
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
0																						
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
0																						

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork



DRILL HOLE T-88-10 PROJECT TWEED

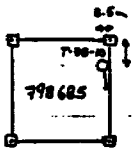
CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE Oct 24/88 PAGE 1 OF 11

AREA Grid 5
CLAIM 798685
CORE SIZE BQ
DATE STARTED OCTOBER 22, 1988
COMPLETED OCTOBER 25, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

DEPTH OVERBURDEN / HOLE
ELEVATION
CO-ORDINATES NORTHING 20+25N
EASTING 22+00E
LOGGED BY R CASHIN
CHECKED BY Peter Cashin

DOWNHOLE | VERTICAL

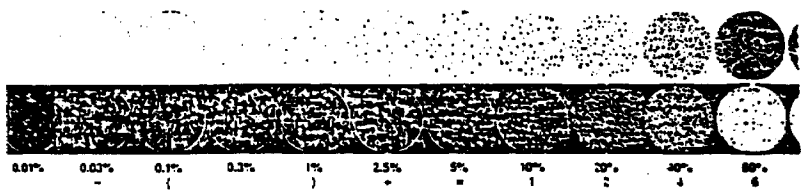


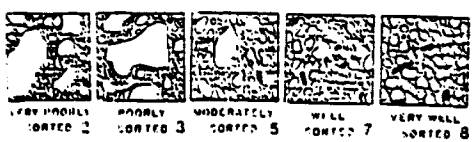
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
23.1m		-51°	Acid Test
76.1 m		-51°	" "
122 m		-47°	" "
166.2m		-46°	" "

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

- Sediments observed to become finer grained and less chloritic downhole
- Drill was planned to intersect a moderately conductive feature centered at line 22+00E / 18+75N. Two sulfide-bearing graphitic wacke sections intersected at 136.29 – 141.4 and 168.65 – 172.0 explain
- a small section of sulfide-cemented breccia containing 10% P, 3% Py was also intersected at 49.15 – 50.77





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	21.6	OVERBURDEN
21.6	49.15	CHLORITIC WACHE
49.15	52.5	ARENITE
52.6	66.05	BIOTITIC FELDSPAR PORPHYRY
66.05	90.33	CHLORITIC WACHE
90.33	95.64	MAFIC VOLCANIC
95.64	102.88	GARNETIFEROUS WACHE
102.88	136.29	WACHE
136.29	141.4	GRAPHITIC WACHE (CONDUCTOR)
141.4	146.0	ALTERED FELDSPAR PORPHYRY
146.0	168.65	WACHE
168.65	172.0	GRAPHITIC WACHE/SHEAR ZONE
172.0	203.0	WACHE
	203.0	End of Hole

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
4511 – 4564

DRILL HOLE F-88-10 PROJECT M593 [illegible] **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE Oct 29/88

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

Metres: 20–40

0.0 – 21.6 – OVERBURDEN

21.6 – 49.15 – CHLORITIC WACKE

Fg, weakly banded and foliated, dark green to green grey. Banding composed of 85% chlorite-rich bands w/ alternating thin biotite-rich bands (15% from 5mm to 3cm). Banding @ 68° to CA. <1% hairline to 1mm quartz-calcite veinlets + stringers // banding. Weak fracture set at 15° to CA. <0.5% pyrite stringers + disseminations at random. Non calcareous.

Local cobalt-rich bands up to 1.5cm wide (0.5% of section).

Section intruded by 75% of felsic to intermediate porphyry intrusives. Composed of 45-50% euhedral white feldspar phenos (up to 5mm), 20-25% euhedral to subhedral quartz (1-2mm), 5%-10% biotite wisps, 3-5% chlorite. Intrusive contacts with sediments @ 85° to CA. Intrusive contain <0.5% fine dissem py. Component feldspars locally K-metasomatized. 1-2% quartz veining within intrusive @ 20° to CA.

- Sedz. observed to contain local garnetiferous bands 8mm to 5cm and containing up to 8% pinkish-buff garnets (2-7mm)

% VEINS: <0.5% (21.6 – 40)
MAG. SUS.: 0.2 – 0.4 (21.6 – 40)

SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
1	5 SEDS	0.03	0	0	0	0	0	0	0.3 v.	0
0	8 [illegible]	0	0	0	0	0	0	0	1.0 0	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
26.18	27.18	4511	1.0	.2	<5	171	[illegible]
32.18	33.18	4512	1.0	NIL	30	37	41
37.18	38.18	4513	1.0	NIL	NIL	44	27
38.98	39.48	1565	0.5	NIL	5	41	51

DRILL HOLE T-88-10 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE OCTOBER 24/88

DESCRIPTION — cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

60–61: Biotite Feldspar Porphyry

63: 63.05 - 66.05 - Porphyry weakly to moderately chloritic
63.52 - 63.8 - Chert wacke section (cherty IF). 2% po, 0.5% py, 0.2% cpy as qtz-chl veinlets, 1-3 mm. Banding at 80° to CA
64.05 - 64.9 - 15% average quartz flooding veins @ 85° to CA
[illegible] - 67.1 - Trace sulfides

66: 66.05 - 90.39 Chloritic Wacke
As at 21.6 - 49.0. Banding @ 75° to CA
66.05 - 66.65 - Sulfide-bearing cherty IF. Banding @ 80° to CA. 10% po, 4.0% py, 1-2% cpy. As late fracture fillings to semi massive concentrations. Selvages to sulfide section, 30% biotite-rich

71: 67.65 - 68.3 - 5% chlorite porphyroblasts (?) up to 4 mm

72: 69.8 - 70.25 Sulfide-cemented breccia section. 20% Po, <0.5% cpy. Breccia frags, sub angular to sub-rounded 95% wacke, 5% chert. Minor chlorite veinlets at random

74: 71.03 - 72.53 - Chloritic feldspar porphyry. Contacts sharp @ 78° to CA.

75: <0.5% fracture-filling quartz-calcite veins
<0.5% py-po as microveinlets + disseminations throughout

metres	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	From (m)	To (m)	Sample #	Width (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
60–63	5%	0.0-0.1	0	8																	
63.5–63.8	0	1.7	0	10						0.1V	0	0.3V	2.5V	63.5	63.8	4523	0.3	.5	NIL	529	27
63.8–66	5-15%	0.0-0.1	2	6	0	0	0.1	0	0	0.1	0	0	0.1	63.8	64.9	4524	1.1	NIL	5	69	59
66.05	12%	3.4	0	9	0	0	0	0	0	1	0	1	10	66.05	66.65	9525	0.6	6.1	NIL	3?0	145
														66.65	67.15	4526	0.5	.2	NIL	100	74
														67.15	67.55	4527	0.4	.7	10	280	474
67–70	0	0.0-0.2	0	5	0	0	0	0	0	0.1	0	0.3	0.3								
69.8–70.25	0	5.2	0	5	0	0	0	0	0	0.3D	0	0	20	69.8	70.25	4529	0.45	3.7	1C/NIL	49?	325
70.25–71			0	5	0	6	0	0	0	0	0	0.3	0.3	70.25	70.75	4529	0.5	.4	NIL	105	83
														70.75	71.25	4530	0.5	1.0	NIL	375	641
71–72.5			0	8	0	0	3	0	0	0	0	0.1 D	0.1 D								
72.5–80	0.3%	0.0-0.2	0	5	0.03	0	0	0	0	0	0	0.3 MV	0.3 MV	74.0	74.98	4531	0.98	NIL	5	76	36

DRILL HOLE T-88-10 PROJECT TWECO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE OCT 25, 1988 PAGE 5 OF 11

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
80	Chloritic Wacke														80.0	81.08	4532	1.08	NIL	NIL	64	25
1																						
2																						
3																						
4																						
5				1	5	0.03	0	0	0	0	0	0	0.3 D	0.3 D	84.3	85.3	4533	1.0	NIL	5	164	26
6																						
7	Bedding @ 87.4 @ 60° to CA.																					
8																						
9																						
90	89.44 - 90.33 - Biotitic Feldspar Porphyry	<0.5%	0.0 – 0.2	0	8	0	0	0.03	0	0	0.3 D	0	0.5 D	0								
1	90.33 – 95.64 Mafic Volcanics														90.4	91.4	4534	1.0	NIL	NIL	86	37
2	fg, massive, dark green to green-grey, moderately chloritic, occasional garnet-epidote rich (pillow) selvages throughout																					
3	<0.5% py as foliation parallel microveinlets and (disseminations)			0	2	0	0	0	0	0	6	0	0.5 D	0								
4	91.57 – 92.7 - Crystalline core section of mafic flow. As above but mdy. Intersertal plagioclase compose 55% of rock, 1% epidote, 25% chlorite																					
5	Upper and lower contacts gradational over 15cm																					
6	95.64 – 102.88 Garnetiferous Wacke														95.64	96.7	4535	1.06	NIL	20	120	45
7	fg, massive to banded, 40% biotite, 3-10% euhedral garnets (2mm – 5mm), 10-15% chlorite, dark green to brown-green																					
8				0	5	0.1	0	0	0	0	0	0	0.5 D, MV	0								
9	Banding @ 78° to CA.																					
100	0.5% py as fine microveinlets and disseminations; 1% qtz-calcite veining ∥ banding and in fractures @ 18° to CA																					

DRILL HOLE PROJECT **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE

metres	DESCRIPTION (sg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % (d—disseminated, mv—microveined, p—pervasive, v—veined, sh—stockwork)								Py
						cal	chl	ser	tour	gf	cp	copy	py	
100	Wacke													
1				0	5	0.1	0	6	0	0	0	0	0.5 D,MV	0
2														
3														
	102.88 – 103.88 Wacke													
4	As at 95.64–102.88 but non-garnetiferous													
5														
6														
7	107.73 – 108.14 Arenite lens, bright, massive, upper and lower contacts sharp @ 90° to CA			0	5	0.1	0	6	0	0	0	0	0.3 D,MV	0
8														
9	0.2 – 0.5% qtz-calcite veinlets throughout, parallel to foliation													
110														
1														
	111.35 – 112.75 Biotite Feldspar Porphyry													
2	Weak foliation @ 90° to CA. Parallel alignment of component biotite			0	7	0	0	0	0	0	0	0	0.5 D	0
3														
4														
5														
6				0	5	0.3	0	0	0	0	0	0	0.3 mv,D	0.5 MV,D
7														
8														
9														
120														

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag fm	Au ppb	Cu ppm	Zn ppm
102.88	103.88	4536	1.0	NIL	5	85	36
110.0	111.0	4537	1.0	NIL	5	63	32
116.65	117.65	4538	1.0	NIL	10	96	28

DRILL HOLE T-88-16 PROJECT TWEED — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE OCT 25, 1988 —

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG PPM	Au ppb	CU PPM	ZN PPM
120.0	WACKE																					
1																						
2																						
3															123.75	124.75	4539	1.0		NIL		
4																						
5																						
6																						
7																						
8				1	5	0.3	0	0	0	0	0	0	0.3 MV, D	0.5 MV/D								
9		1.0%	0.0 - 0.2												128.85	129.85	4540	1.0		15/20		
130																						
1																						
2																						
3																						
4																						
5																						
6	135.71 – 136.29 Biotite Feldspar Porphyry Contacts @ 65° to CA			0	9	0	0	0	0	0	0	0	0.5	0	135.71	136.29	4541	0.58	NIL	NIL	12	59
7	136.29 - 141.4 Graphitic Wacke (CONDUCTOR)														136.29	137.39	4542	1.1	NIL	NIL	35	80
8	fg to locally mg, massive to banded, dark green-grey to black.	3%	0.0-0.7	2	3	0	0	0	0	15 p	0	0	3 MV	1 MV	137.39	137.89	4543	0.5	0.5	NIL	95	606
9	Section composed of 15% carbonaceous bands from 6-25cm wide at random throughout. Banding @ 90° to CA. 3% fg py, 0.5-1%														137.89	139.0	4544	1.11	NIL	NIL	19	36
140	Po as banding parallel microveinlets and stringers (CONDUCTOR)			1	9	0	0	0.3	0	0	0	0	0.3 MV	0.1 MV	139.0	140.2	4545	1.2	NIL	NIL	27	371

DRILL HOLE T-88-10 PROJECT TWEGO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE OCT 25/88

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork

metres	Description	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	pf	cp	aspy	py	po
140.0–141.4	Section contains 90% biotite-sericite altered feldspar porphyry	1%	0.2–0.17	2	3	0	0	0	0	20 p	0	0	.3 MV	1 MV
141.4–146.0	**Altered Feldspar Porphyry** — massive, mdy, dark brown with reddish-orange mottling, intermediate to felsic composition - highly biotitic, moderately silicified, locally sericitic along quartz vein selvages. 5% quartz-[illegible] calcite veins (3mm-1cm) @ 25° to CA. 3% py, 0.5% po, 0.1% aspy as microveinlets. Also observed 0.3% sph. Veined section weakly K-metasomatized	5%	0.1	0	9	0.3	0	0.3	0	0	0	0.1 MV,V	3 MV,V	0.5 MV,V
146.0–168.65	**Dacite** — As at 95.64–102.88. Weakly foliated and banded @ 60° to CA. 0.5% garnet as patches. Sub-hedral up to 2mm			1	5	0	0	0	0	0	0	0	0.3 MV,D	0.3 MV,D
151.25–153.15	- Intermediate feldspar porphyry. Contacts sharp @ 80° to CA. (Bleached) Chloritic sections at 153.3 – 153.55 and 153.75 – 153.95	0.3	0.0	0	7	0	0	0	0	0	0	0	0.3 D	0.1 D
153.15–155.6				0	5	0	0	0	0	0	0	0	0.1 MV	0.3 MV
155.6–157.9	Biotite Quartz-Feldspar Porphyry. Massive, dark brown-green mdy. Composed of 30% fsp, 60% quartz, 10% biotite, 0.3% dissem py. Lower contact sharp @ 90° to CA			0	8	0	0	0	0	0	0	0	0.3 D	0
157.9–160		0.1		1	5	0	0	0	0	0	0	0	0.3 MV	0.1 D

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
140.2	141.4	4546	1.2	NIL	NIL	70	25[illegible]
141.4	142.2	4547	0.8	NIL	NIL	9	51
142.2	143.0	4548	0.8	NIL	NIL	33	100
143.0	143.8	4549	0.8	NIL	NIL	20	50
143.8	144.6	4550	0.8	NIL	NIL	8	58
144.6	145.4	4551	0.8	NIL	NIL	11	56
145.4	146.0	4552	0.6	NIL	NIL	46	60
150.0	151.0	4553	1.0	NIL	NIL	57	10[illegible]
157.0	158.0	4554	1.0	NIL	NIL	46	98[illegible]

DRILL HOLE T-88-10 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE OCT 26/88

DESCRIPTION

160 — WACKE

168.65 - 172.0 Graphitic Wacke (CONDUCTOR) - SHEAR ZONE

Wacke same as above but contain 5% massive graphite bands 3mm - 9cm. Shear foliation weak to moderate @ 90° to CA. 0.5% py microveinlets and stringers parallel foliation. 0.5% qtz. carb veinlet ‖ foliation. Section weakly sericitized particularly on footwall part of section. Core ground up 169.5 - 171.0

172.0 - 203.0 WACKE

As at 146.0 - 168.65

Foliation weakly developed @ 80° to CA

Weakly garnetiferous with 3-5% garnets up to 2mm. Local sections contain up to 5% muscovite - rich augen structures. Flattened ‖ foliation

0.5% qtz - calcite - chlorite veinlets ‖ foliation. 0.3% fine py microveinlets at 0° to CA

metres	% veins	Mag. sus.	Shear int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
164	0.1		1	5	0	0	0	0	6	6	0	0.3 MV	0
170	0.5	0.0 - 0.1	4	5	0.2	0		0	5	0	0	0.5 MV, 0	0
176	0.8		1	5	0.2	0	0	0	0	0	0	0.5	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	Au ppb	CU ppm	ZN ppm
163.0	164.0	4555	1.0	NIL	NIL	57	96
168.65	169.35	4556	0.7	c.4	NIL	66	219
169.35	171.0	9557	1.65	.5	NIL		
171.0	172.0	4558	1.0	.5	NIL	106	425
177.0	178.0	4559	1.0	NIL	NIL	57	146

DRILL HOLE T-88-10 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE OCT 26/88 PAGE 10 OF 11

metres	DESCRIPTION (cg, fg, mg–coarse, fine, medium grained; diss–disseminated; sfol, mfol, wfol–strong, medium, weak foliation; qzvn–quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Pb	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
180	WACKE	0.3 (180–200)	0.0–0.1 (180–200)																			
182–184				1	5	0.2	0	0	0	0	0	0	0.5	0	183.0	184.0	4560	1.0	NIL	NIL	55	18
185–189	185.36 – 189.56 = Intermediate Feldspar Porphyry – Massive, medium grained, green-grey. Composed of 50% subhedral to euhedral feldspars, 10% chlorite, 40% interstitial quartz. 0.5% dissem py. Local epidote spots. Upper and lower contacts sharp @ 85° to CA.			0	8	0	0	0	0	0	0	0	0.3	0								
190–191				1	5	0.2	0	0	0	0	0	0	0.3	0	189.56	190.56	4561	1.0	NIL	NIL	45	10
192–193	191.96 – 193.06 – Chloritic Arenite. Mod. massive, 5% chlorite, 35% rounded feldspar clasts up to 2mm.			0	6	0.1	0	0	0	0	0	0	0.1 D	0								
193–197	193.06 – 194.15 Sericitic Arenite. As above but weakly sericitic and 2% qtz-epidote. Ropey veinlets @ 0° + 30° to CA. Feldspars have been partially K-metasomatized.			1	5	0.1	0	0.3	0	0	0	0	0.3 D	0	193.06	194.15	4562	1.09	NIL	NIL	19	79
197–198				1	5	0.2	0	0	0	0	0	0	0.3 D	0	197.9	198.4	4563	1.0	NIL	NIL	22	62
200																						

DRILL HOLE T-88-10 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE OCT 25/88 PAGE 11 OF 11

metres	DESCRIPTION fg, fg, mg—coarse, fine, medium grained; diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork) cal	ank	ser	tour	gf	cp	aspy	py	A	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
200.0	WACKE																					
1																						
2		0.3	0.0-0.1	1	5	0	0	0	0	3	0	0	0.3-0	0								
3															202.0	203.0	4564	1.0	NIL	NIL	9	[illegible]
4	203.0 - End of Hole																					
5																						
6																						
7																						
8																						
9																						
210																						
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
0																						

DRILL HOLE T-88-11a PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 1988 PAGE 1 OF 14

AREA GRID 5
CLAIM 798681
CORE SIZE BQ

DATE STARTED October 28, 1988
COMPLETED November 2, 1988

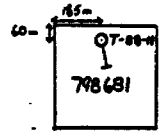
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS HOLE T-88-11 STOPPED IN OVERBURDEN AT 62.7m due to caving. T-88-11a displaced 2m south along line 17+00E and redrilled

DEPTH	DOWNHOLE	VERTICAL
OVERBURDEN	67.44m	
HOLE	300.53	

ELEVATION

CO-ORDINATES NORTHING 16+90N
EASTING L17+00E

LOGGED BY Ed van Hees, P. Cashin
CHECKED BY Peter Cashin

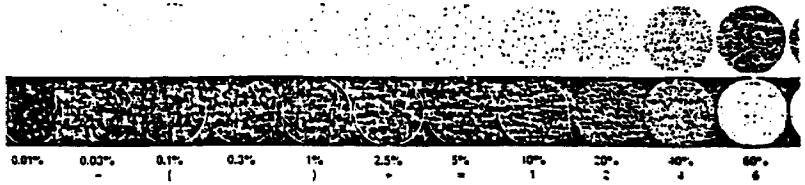


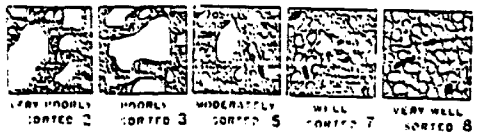
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
68.89 m		-51°	Acid Tube
123.75 m		-48.5°	" "
169.47 m		-46.5°	" "
215.19 m		-46.5°	" "
276.0 m		-46.5°	" "
300.0 m		-46.3°	" "

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to be part of a stratigraphic fence north of an E-W trending magnetic iron formation unit. Geophysics also indicates the a graphitic altered breccia unit, intersected in drillholes T-88-7 and T-88-10 would be present. The graphitic horizon was indeed intersected at 118.04 - 119.56 by drill no 175.2 - 175.4 & 178.82 - 179.08
The whole section is predominately fine epiclastic rocks with rare lithic arkose units and intruded by intermediate feldspar porphyry intrusives





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	67.44	OVERBURDEN
67.44	92.60	MAFIC SEDIMENTS W/ MINOR FELDSPAR PORPHYRY INTRUSIVES
92.60	111.40	INTERMEDIATE FELDSPAR INTRUSIVE
111.40	118.04	LITHIC ARKOSE
118.04	119.56	GRAPHITIC UNIT
119.56	120.9	INT. FELDSPAR PORPHYRY
120.9	126.98	LITHIC ARKOSE
126.98	175.20	BIOTITIC WACKE W/ MINOR FELDSPAR PORPHYRY INTRUSIVE
175.20	175.40	GRAPHITIC ARGILLITE
175.40	178.82	INT. FELDSPAR PORPHYRY
178.82	179.08	GRAPHITIC ARGILLITE
179.08	211.91	BIOTITIC WACKE
211.91	218.56	INT. FELDSPAR PORPHYRY
218.56	228.65	BIOTITIC WACKE
228.65	231.94	BIOTITIC FELDSPAR PORPHYRY
231.94	300.53	BIOTITIC WACKE WITH MINOR FELDSPAR PORPHYRY SECTIONS
	300.53	END OF HOLE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

4652 - 4700
4717 - 4724

19114 → 131

DRILL HOLE T-88-11 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 1988

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	
50–67	0 – 67.44 m – Overburden																				
67.44 – 68.14	67.44 – 68.14 m Intermediate Feldspar Porphyry	0	0.0-3.1	1	5	5	0	.25	0	0	0	0	0	0							
68.14 – 70.73	68.14 – 70.73 m Mafic Volcanic Tuff — contact with Porphyry at 70° TCA. fg, dark green mafic volcanic with wfol at 65° TCA. Epidote [illegible] vein @ 62.4 m. [illegible] Py as thin [illegible]	1%	[illegible]	2	4	.15%	0	0	0	0	0	0	.15%	0							
70.73 – 72.93	70.73 – 72.93 m Volcanic Sediment — very similar to Mafic Volcanic Tuff except 70.73–71.73 [illegible] a significant portion is dark grey green in color, [illegible]	<1%	0.0-0.1%	[illegible]	4	.3%	0	0	0	0	0	0	1%	0	71.43	72.88	4652	1.45		20	
72.93 – 74.75	72.93 – 74.75 m Intermediate Feldspar Porphyry — upper contact at 54° TCA [illegible] unit [illegible] 10 cm [illegible] contact [illegible] in [illegible] and [illegible] fragments [illegible] 55% [illegible] 10% [illegible], 4% [illegible] increases over last 25 cm to about 20%. 1% [illegible] Qtz veins at 30-40° TCA. lower contact at 55° TCA	[illegible]	0.0-0.1%	–	6	0	0	.25	0	0	0	0	1	0	72.82	74.13	4653	1.25		NIL	
															74.13	74.98	4654	0.85		NIL	

DRILL HOLE T-88-11 PROJECT Tweed CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE November 1, 1988 3. PAGE OF 14

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	Other
70–75																						
74.96 – 76.84 m	**Mafic Volcanic Tuff** fg dark green [illegible] layers alt [illegible] lighter layers in places. Contorted ats (chert?) and banding [illegible]	2%	0.0	1	3–4	.25%	.10%	0	0	0	0	0	0.5%									
76.84 – 77.17 m	**Intermediate Feldspar Porphyry**	3%	0.0	1	5	0	0	0	0	0	0	0	.25%									
77.17 – 77.47 m	Mafic Volcanic Tuff – [illegible]	3%	0.0	1	4	0	0	0	0	0	0	0	.5%									
77.47 – 77.67 m	Intermediate Feldspar Porphyry	[illegible]	0.0	1	5	0	0	0	0	0	0	0	.25%									
77.67 – 80.35 m	**Mafic Volcanic Tuff** fg volcanic [illegible] alt. [illegible] layers of dark and [illegible] [illegible]) at 50° TCA. [illegible] as are thin [illegible]	1%	0.0–0.1	2	4	0		0	0	0	0	0	.1									
80.35 – [illegible] m	[illegible] 1–2 mm [illegible] 2–4 [illegible]	1%	[illegible]	1	6	0	0	1%	[illegible]	0	0	0	.2–.4%		80.35	81.20	4655	.85		NIL		
81.20 – [illegible] m	[illegible]	[illegible]	[illegible]	2	4	2–3%	0	[illegible]	[illegible]	[illegible]	0	0	.25%									
[illegible]	[illegible]	1%	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1%									
[illegible] m	**Mafic Volcanic** dark green mafic volcanic, fg, with many [illegible] bands of lighter green. Calcite veins [illegible] associated with the lighter veins. Some small bands of Int feldspar porphyry are present up to 3 cm wide. 'Substantial' oxidation (limonite) was occurred at 82.56 – 82.86 m. Calc veins up to 6 mm at 45–75° TCA.	2–3%	0.0–0.1%	1	4–5	1%	0	0	0	0	0	0	.5%	0.1%								
[illegible] m	**Intermediate Feldspar Porphyry** mg. – feldspar phenocrysts up to 2 mm. Unit is predominantly med grey in color except from 86.70 m to 87.50 m where it is [illegible]. Sharp contacts [illegible] @ 70° TCA	.5–1%	0.0–0.1%	0	6	0	0	1%	0	0	0	0	.25%	0								
88.21 – 92.60 m	**Mafic Volcanic Tuff** fg volcanic varying from dark green to grey green in color. Banding @ 65–55° TCA. [illegible] [illegible]	1%	.1–0.2%	4	4	2–5%	0	0	0	0	0	0	.25–.5%	0	88.21	89.62	4656	1.41		30/20 (?)		
															89.62	90.77	4657 (?)	[illegible]				

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	%
90–2	88.21–92.60 m contd – Mafic Volcanic Tuff. Lighter bands generally calcite rich. Area of pyrite banding near 92.50 m													
3–4	92.60–94.52 m Intermediate Feldspar Porphyry. mg–cg light grey [illegible] with phenocrysts up to 2mm. Upper contact is gradational from mafic volcanic. [illegible] 15cm [illegible] @ 93.77–93.93 m	3-4%	0	1-16	6	0	0	1-3	0	3	0	0	1-4	0
5–7	94.52–97.12 m – Intermediate Intrusive. mg–fg massive med → dark [illegible]. [illegible] contacts at [illegible] 85° TCA. 50–55% feldspar, 9% [illegible] ([illegible]) 10% [illegible], 5% [illegible]. Occ. phenocr. [illegible]	1-5%	0.0-0.1	1	5-6	0	0	5	0	0	0	0	.5%	0
8–9	97.12–99.[illegible] m Intermediate Feldspar Porphyry. mg–fg [illegible] phenocrysts to 3mm. [illegible] [illegible]	15-20%	0.0	1-6	6	2-3%	0	1-5%	0	0	0	0	2-3%	0
100–2	[illegible] – [illegible] m [illegible] / [illegible]. [illegible] 70° TCA. Some large [illegible] 7mm. [illegible] 30 cm. [illegible]	1%	0.0-.1	0-2	[illegible]	.5-1%	0	0	0	0	0	0	1%	0
3	102.92 – 103.36 m Intermediate Feldspar Porphyry	1%	0.0	1	[illegible]	0	0	1%	0	0	0	0	.25	0
4–5	[illegible] – [illegible] m [illegible]	.5%		[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]			.25	0
6	[illegible] – [illegible] m Intermediate [illegible]	15%		1	[illegible]	[illegible]	[illegible]	1%	[illegible]	0	[illegible]	[illegible]	[illegible]	0
6	[illegible] – [illegible] m Intermediate Intrusive [illegible] 70° TCA	0%		0	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0
7–9	106.37 – 109.65 m Intermediate Feldspar Porphyry. [illegible]	1-1.5%		1	[illegible]	[illegible]	[illegible]	2-5		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
110	[illegible] m [illegible]	[illegible]			[illegible]									

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb
89.62	90.77	4657	1.15	10
90.77	91.93	4658	1.16	NIL
91.93	92.65	4659	0.72	NIL
92.65	93.30	4660	0.65	NIL
93.30	94.52	4661	1.22	NIL
97.12	98.37	4662	1.25	NIL
98.37	99.47	4663	1.10	NIL
99.82	100.92	4664	1.10	NIL
100.92	101.62	4665	0.70	NIL
105.0	106.0	4666	1.0	10
106.37	107.32	4667	0.95	NIL
107.32	108.51	4668	1.19	10
108.51	109.65	4669	1.14	NIL

DRILL HOLE [illegible] PROJECT [illegible]

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE November 1, 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	[illegible]	cp	aspy	py	[illegible]	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	
110.0–111	109.92 – 111.40 m Intermediate Feldspar Porphyry [illegible] alteration + [illegible] / [illegible]	?-5	0.0	0	6	1-2	0	3-5	0	1-2	0	0	.5	0	~~110.04~~	111.4	4670	1.36	–	NIL	
2–8	111.40 – 118.04 m Lithic Arkose mg light brownish grey arkose ± feldspar clasts of 1 mm extent in places. Unit is [illegible] in appearance and grades into the next unit down	1-3	0.0	0	4-5	0	0	0	0	0	0	0	0	0							
9	118.04 – 119.56 m Granitic Unit [illegible] contact [illegible]	0	[illegible]	[illegible]	3-4	0	0	0	0	30%	0	0	3-5	0	118.04	119.56	4671	1.52		20/ NIL	
0	119.56 – 120.9? m Intermediate F[illegible] Porphyry [illegible] to 5 mm [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	119.56	120.90	4672	1.34		NIL	
1–7	120.9? – 126.9? m Lithic Arkose as above [illegible] medium [illegible] arkose with [illegible] clasts [illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0	0	0	0	.25	0	125.0	126.0	19114	1.0		NIL	
8–0	126.9? – [illegible] m [illegible] [illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]					[illegible]								

KA

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	
130	129.11 – 133.61 m Biotitic wacke — fg massive biotitic wacke medium brown-grey in color. Minor shearing in places. 131.21 – 131.79 m wacke is [illegible], contacts sharp @ 75°TCA. 26 cm [illegible] vein @ 133.28–133.54 m	1%	0.0–0.5%	0–1	5	0	0	0	0	0	0	0	.5	0							
4	133.61 – 134.1 m Intermediate Feldspar Porphyry [illegible] good contacts	1–2%	0.0	0	6	0	0	0	0	0	0	0	.25	0	133.61	134.1	4673	0.49		NIL	
	134.1 – 134.94 m Biotitic wacke — dark brown [illegible] minor shearing, gradational contacts [illegible]	0	0.0–0.1	1–3	5	0	.5	0	0	0	0	0	0	0							
5	134.94 – 135.89 m Intermediate Feldspar Porphyry — feldspar phenocrysts up to 7 mm; sharp contacts, [illegible]	1%	0.0–0.1	0	6	0	0	0	0	0	0	0	.25	.10	134.94	135.89	4674	0.95		NIL	
6	135.89 – 144.19 m Biotitic wacke — fg, med-dark brown-grey wacke with minor shearing in places. From 139.99 – 140.47 m very chlorite rich (green) and well developed banding / foliation @ 80°TCA. 143.04 – 143.14 m – Small section of Int. Feldspar Porphyry	1%	0.0–0.1	0–2	5	0	0	0	0	0	0	0	.25–.50%	[illegible]	140.0	141.0	19115	1.0		NIL	
4	[illegible] Wacke [illegible]	[illegible]	[illegible]	0	3–5	0	0	0	0	0	0	0	0		144.19	144.74	4675	0.55		NIL	
5	[illegible] – 1[illegible] Biotitic wacke — [illegible]	1	0.1–0.2	1	3–4	0	0	0	0	0	0	0	0.25–0.50	0							
150																					

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	cpy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au	
150	144.74 – 157.78 m Biotitic Wacke contd																					
1–3	- a significant number of low angle joints are present @ 20–30° TCA which are partially covered with chlorite + pyrite.														151.0	152.0	19116	1.0		NIL		
4–5		1–2	0.1 – 0.2	0 – 3	3–4	0.1	0	0	0	0	0	0	.25	0								
7	157.78 – 157.53 m Silicified Biotitic Wacke	40%	0.1	3	6	1	0	0	0	0	.25	0	0	1	157.28	157.53	4676	0.25	[illegible]			
8	157.53 – 158.00 m Biotitic Wacke as above	0	0.1	0	5	0	0	0	0	0	0	0	.25	0	157.53	158.00	4677	0.47		NIL		
	158.00 – 158.17 m Silicified Biotitic Wacke	35	0.1	2	5	1	0	0	0	0	.25	0	0	.5	158.0	158.17	4678	0.17		NIL		
9	158.17 – 159.12 m Biotitic Wacke as above	1	0.1	0–3	4–5	0	0	0.1	0	0	0	0	.25	0	158.17	159.12	4679	0.95		NIL		
	159.12 – 159.50 m Silicified Biotitic Wacke	50	0.1	2	6	0	0	0	0	0	.05	0	.5	.25	159.12	159.50	4680	0.38		NIL		
160–1	159.50 – 161.62 m Biotitic Wacke as above with some significant shearing. Lower contact gradation into I.F.P @ 80° TCA.	1	0.0 – .01	0–3																		
2	161.62 – 161.75 m Intermediate [illegible] - grad. contacts 80° TCA	0	.001	0	6	0	0	0	0	0	0	0	0	0								
	161.75 – 175.20 m Biotitic Wacke																					
3–6	fg, massive med grey brown biotitic wacke [illegible] sheared sections. 163.53 – 163.79 m chlorite rich (green) 166.52 – 166.77 m strongly sheared and chloritized with 1% pyrrhotite contacts @ 20–25° TCA almost //.	1%	0.0 – 0.1	0 – 4	4–5	.25	0	0	0	0	0	0	0.1	0.1	163.0	164.0	19117	1.0		NIL		
7–170															169.0	170.0	19118	1.0		NIL		

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork) cal	ank	ser	tour	gf	cp	aspy	py	Po	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
170, 1, 2, 3, 4, 5	161.75 – 175.20 m Biotitic Wacke cont'd	1	0.0-0.1	3	4-5	.25	0	0	0	0	0	0	0.1	0.1								
	175.20 – 175.40 m Graphitic Argillite [illegible] Sed. dia./Shearing	0	0.2-0.4	0-2	4-5	0	0	0	0	50%	0	0	1%	1%	175.2	175.4	4681	0.2		NIL		
6, 7, 8	175.40 – 178.82 m Intermediate Feldspar Porphyry mg with phenocrysts up to 6 mm overall color light-med grey green with small areas of grey brown. 177.78 – 177.90 m small section of biotitic wacke. Contacts of porphyry are relatively sharp with country rock but do not appear intrusive.	3-5	0.0-0.1	0-2	5-6	0	0	2-3	0	0	0-0.5	0	0.1-0.5%	0.25-0.50	175.4	176.55	4682	1.15		NIL		
															176.55	177.45	4683	0.90		NIL		
															177.45	178.82	4684	1.37		NIL		
9	178.82 – 179.08 m Graphitic Argillite vfg + laminated / diss py + pyrr	.25	0.2-0.4	0-2	4-5	0	0	0.5	0	15%	0	0	.5%	1%	178.82	179.08	4685	0.27		NIL		
180	179.08 – 180.98 m Biotitic wacke as before - fg med grey-brown biotitic wacke with shearing in places. [illegible] small sections [illegible] 45° to CA	.10	0.0-0.1	0-2	4-5	0	0	0	0	0	0	0	0	0								
1	180.98 – 181.74 m Biotitic Wacke Breccia highly sheared B.W.	0	0.0-0.1	8	3-4	0	0	0	0	0	0	0	1%	0								
2, 3, 4, 5, 6, 7	181.74 – 187.64 m Biotitic Wacke as before - with several small qtz veinlets up to 1 cm wide at 70-90° to CA. Chlorite often accompanies the qtz veinlets as do pyrite + [illegible] [illegible].	1-2	0.0-0.1	0-1	4-5	0	0	0	0	0	0	0	0.1%	0.1%	182.0	183.0	19119	1.0		NIL		
8	187.64 – 188.40 m Biotitic Wacke Shear Zone?? – [illegible] chlorite alt. – diss. py – [illegible]	0.5	0.1-0.2	5-7	5	0	5	1-3	0	0	TR	0	.5	0	187.0	188.0	19112	1.0		NIL		
9, 0	188.40 – 205.75 m Biotitic Wacke [illegible]	1-2	0.0-0.1	0-3	6	0.1	0	0	0	0	0	0	1	1								

DRILL HOLE T-88-11 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 1988

DESCRIPTION

sg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

metres	Description
190	188.40 – 205.75 m Biotite Wacke cont'd
1–2	vein sets @ 70° ① and 45° ② TCA.
2–3	198.10 – 199.45 m more sheared than rest of unit – quartz veins ① up to 3 cm wide – sulphides associated mostly with later veins
206–207	205.75 – 20[illegible] m [illegible] Feldspar Porphyry
207–209	Upper contact sharp @ 45° TCA I.F.P. [illegible] feldspar phenocrysts to [illegible] mm. Unit [illegible] in color. Lower contact @ 70° TCA.

Interval	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	pf	ep	aspy	py	Po
205.75 – 20[illegible] m	3	00-01	1	7	0	0	3	0	0	0	0	0.1	0
Feldspar Porphyry	4	00-0.1	1	5	0.3	0	0	0	0	0	0	1 / 0	0

SAMPLING

From (m)	To (m)	Sample #	Width (m)		Au ppb	Au oz/t	Chk
191.0	192.0	19121	1.0		30/20		
196.0	197.0	19122	1.0		NIL		
202.0	203.0	19123	1.0		NIL		
206.94	207.94	4686	1.0		NIL		
207.94	208.94	4687	1.0		NIL		
208.94	210.14	4688	1.2		NIL		

DRILL HOLE T-88-11 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzv—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork

SAMPLING

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	P	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
210, 1, 2	206.94 – 211.91 m **Biotitic Wacke** fol @ 70–80° TCA. as before except various colours i.e. med grey, med grey brown + med grey green. diss py up to 209 m	3–4	0.0–0.1	0–1	5	0.1	0	0	0	0	0	0	1%	0	210.14	210.64	4689	0.50		NIL		
3, 4, 5, 6, 7, 8	211.91 – 218.56 m **Intermediate Feldspar Porphyry** mg–cg, grey green feldspar porphyry with phenocrysts to 5 mm. Numerous qtz veins up to 1 cm some of which contain graphite? flakes. These appear to be cut by later ankerite rich veinlets which are accompanied by minute cavities filled with qtz xls.	1–2%	0.0–0.1	0–1	6	0.1–0.25	0.25	1–3	0	0	0	0	1%	0	215.0	216.0	19124	1.0		NIL		
9, 220, 1, 2, 3, 4, 5, 6, 7, 8	218.56 – 228.65 m **Biotitic Wacke** massive, fg biotite rich wacke except in first 1.5 m where some chlorite rich sections up to 20 cm exist. A few qtz veins are present up to 2 cm wide. Pyrite, chlorite and biotite are ass. with the qtz. Lower contact is relatively sharp at 70° TCA.	3–4	0.0–0.1	0–1	6	0.1–0.25	0	0	0	0	0	0	0.3 d	0	220.0	221.0	19125	1.0		NIL		
9, 230	228.65 – 231.94 **Biotite Feldspar porphyry** as at 211.91 – 218.56 bx. mottled maroon-green	0.5	0.0	1	8	0.3	0	2–4	0	0	0	0	0.5 d	0	228.65	229.65	4690	1.2		NIL		

DRILL HOLE T-88-11 PROJECT TWEED **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE NOV. 1, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

Metres: 230

due to variable proportions of sericite 5% after biotite 10-15%. 20% subhedral to euhedral white fsp phenos up to 5mm. Sericite of hydrothermal origin appears to replace biotite [illegible] fractures @ 23° to CA. Fractures filled [illegible]

231.99 - 300.53 Biotite Wacke

As at 218.56 - 228.65. Quartz veins, qtz-chl-calcite [illegible] foliation [illegible] <0.5% [illegible]. Small 3-5 cm wide [illegible] whose beds at random (<1% of section). Bedding @ 78° to CA.

Metres: 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork)

Interval	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	chl	ser	tour	gf	cp	aspy	py	Po
~231	0.5	0.0	1	8	0.1	0	1	0	0	0	0	0.5 D	0
~241	1-2	0.0 - 0.1	1	4	0.3	0	0	0	0	0	0	0.3 0	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
229.65	230.45	4691	0.8	NIL		
230.45	231.0	4692	0.55	NIL		
231.0	231.99	4693	0.99	NIL		
238.22	239.0	4694	0.78	NIL		
239.0	239.57	4695	0.57	NIL		
242.62	243.92	4696	1.3	NIL		
249.0	250.0	19126	1.0	NIL		

DRILL HOLE T-88-11 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE November 1, 1988 PAGE 12 OF 14

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
250	Biotitic Wacke																					
1		1	0.0–0.1	1	4	0.1	0	0	0	0	0	0	0.1 D	0								
2	253.57–255.21: Sericite-epidote altered intermediate feldspar porphyry, 3% qtz-carb-chl veins w 0.5% py, 0.1% po, 0.03% cp, selvedges 1% ser, 1-3% chlorite, 0.3% epidote; 0.3% calcite																					
3															253.0	253.57	4657	0.57		NIL	–	–
4		3	0.0–0.1	0	7	0.3	0	2	0	0	0.03 mv,D	0	0.5 mv,D	0.1 mv,D	253.57	254.57	4698	1.0		NIL	–	–
5															254.57	255.21	4699	0.64		NIL	–	–
6		2–3	0–0	2	4	0.5	0	0	0	0	0	0	0.5 D	0	255.21	256.0	4700	0.79		NIL	–	
7															256.0	256.9	4717	0.9		NIL	–	–
8																						
9																						
260																						
1															261.0	262.0	19127	1.0		NIL		
2		0.5–1	0.0–0.0	2	5	0.3	0	0	0	0	0	0	0.3 mv,D	0								
3																						
4																						
5																						
6																						
7															267.0	268.0	19128	1.0		NIL		
8																						
9																						
270																						

DRILL HOLE T-83-11 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1,1983 PAGE 13 OF 14

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzv—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	ep	aspy	py	?	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
270	Biotitic Wacke																					
1																						
2																						
3															273.0	274.0	19129	1.0		NIL		
4																						
5																						
6																						
7																						
8		0.5-1%	0.0-0.1	2	5	0.5	0	0	0	0	0	0	0.3 D	0								
9															279.0	280.0	19130	1.0		NIL		
280																						
1																						
2																						
3																						
4	284.45 - 284.65 - Section moderately epidotized w/ 15% epidote as pervasive alteration and as microveinlets @ 20°-45° to CA.	5	0.0	1	5	0.5	0	0	0	0	0	0	0.5 D	0	284.0	285.0	4718	1.0		NIL		
5		0.5	0.0	2	5	0.3	0	0	0	0	0	0	0.3 D	0								
6	285.74 - 286.74 - Biotitic Intermediate Feldspar Porphyry	0.3	0.0	0	7	0.1	0	0	0	0	0	0	0.5 P	0	285.74	286.74	4719	0.8		NIL		
7	286.74 - 288.6 - 3% epidote microveinlets @ 35° to CA. 288.6 - 291.5 - Chloritic Intermediate Feldspar Porphyry 5-10% interstitial chlorite, 1% qtz-calcite-epidote microveinlets w/ potassic alteration selvages up to 1cm wide. Weak sericite, locally	1-2	0.0	2	4	0.3	0	0	0	0	0	0	0.5-1% D	0	286.74	287.74	4720	1.0		NIL		
8															287.74	288.6	4721	0.86		NIL		
9		0.5	0.1	1	7	0.5	0	0.3	0	0	0	0	0.5 P, D	0	288.6	289.6	4722	1.0		NIL		
290															289.6	290.6	4723	1.0				

DRILL HOLE T-83-11 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 1983

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork): cal	ank	ser	tour	gf	cp	aspy	py	R	SAMPLING: FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	Cor
290															289.6	290.6	4723	1.0		NIL		
1	Biotite Wacke	0.5	0.1	1	7	0.5	0	0.3	0	0	0	0	0.5 d,v	0	290.6	291.5	4724	0.9		NIL		
2																						
3																						
4																						
5		0.5 / 1.67	0.0 / 0.1	1	5	0.3	0	0	0	0	0	0	0.5 D	0								
6																						
7																						
8															297.0	298.0	19131	1.0		NIL		
9																						
300	300.53 - END OF HOLE																					
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
0																						

DRILL HOLE T-88-12a PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE NOVEMBER 10, 1988 PAGE 1 OF 11

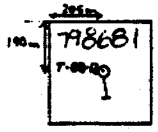
AREA GRIOS
CLAIM 798681
CORE SIZE BQ
DATE STARTED NOVEMBER 3, 1988
DATE COMPLETED NOVEMBER 11, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS T-88-12 STOPPED IN OVERBURDEN AT 48.7 m due to termination of drill crew. T-88-12a displaced north 1 metre on L17+00E and redrilled

DEPTH	DOWNHOLE	VERTICAL
OVERBURDEN	51.14	
HOLE	242.6	

ELEVATION

CO-ORDINATES NORTHING 1+73 N
EASTING L17+00 E

LOGGED BY P. CASHIN
CHECKED BY [signature]

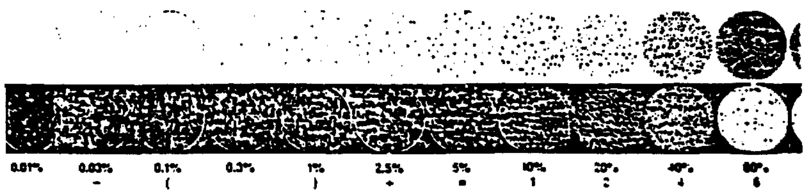


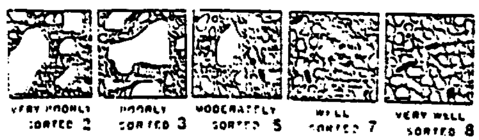
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

Hole is intended to determine the stratigraphy north of a large E-W trending magnetic high lineaments centered @ L17+00E/1+75N and to determine the cause of this magnetic anomaly. Geology is characterised by [illegible] [illegible] of banded sediments. The high magnetic feature is explained as multiple smaller bands of Chert-Chlorite-Magnetite Iron Formation at 213.58-214.43, 222.38-224.28, and 239.95-242.6. Po-Py-Cpy sulfide replacement of oxide band was observed at 223.08-224.15.





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	51.1	Casing
51.1	74.92	Biotitic Wacke
74.92	76.22	Potassic Feldspar Porphyry
76.22	84.45	Sheared Porphyry / Foliated Lithic Arkose
84.45	173.77	Biotitic Wacke
173.77	180.81	Lithic Wacke / Crystal Tuff
180.81	184.05	Chloritic Mudstone
184.05	185.27	Altered Lithic Wacke / Crystal Tuff
185.27	204.93	Biotitic Wacke
204.93	213.58	Banded Argillite / Silicate Facies IF
213.58	214.43	Chert-Chlorite-Magnetite IF
214.43	218.72	Lithic Arkose
218.72	221.43	Intermediate Feldspar Porphyry
221.43	222.38	Biotitic Wacke
222.38	224.28	Chert-Chlorite-Magnetite IF
224.28	239.95	Biotitic Wacke
239.95	242.6	Chert-Chlorite-Magnetite IF
	242.6	End of Hole

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

4725 - 4787

DRILL HOLE T-88-11 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE NOVEMBER 10, 1988 PAGE 2 OF [illegible]

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained   diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation   qzvn—quartz vein

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	fo
0														
1	0.0 – 51.1 – OVERBURDEN													
2	51.1 – 76.22 Biotite Wacke													
3	aphanitic to fine, massive to weakly banded dark reddish													
	grey with local blotchy green mottling, 15-20% biotite, 3-5%													
4	chlorite, 1-3% some fluffy red euhedral garnets (0.5-1 mm), 65%													
	quartz, 0.03% calcite, 10% [illegible] grains up to 1 mm													
5	0.3% py disseminated in grains. Foliation @ 75° to CA													
	0.5% fracture filling qtz-calcite veinlets up to 5 mm wide													
6	as foliation // and oblique fractures													
7														
8														
9		0.5	0.1											
60			0.0	1	4	0.03	0	0	0	0	0	0	0.3 D	0
1														
2														
3														
4														
5														
6														
7														
8														
9														
0	69.93 – 71.7 – Potassic Feldspar Porphyry													

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
52.5	53.5	19132	1.0		NIL		
62.0	62.8	4725	0.8		10/10		
62.8	63.8	4726	1.0		10		

DRILL HOLE 1-88-12 PROJECT 0 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 10, 1988 PAGE 3 OF 11

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
70.0–72	Fine to medium grained, massive, 25% euhedral plagioclase [illegible] [illegible], [illegible] 0.2% ; 5-10% brown biotite wisps, 0.5%-1% [illegible], 0.5% [illegible], 0.5-1% fine disseminated py. Sericite alteration at selvages of 0.5% qtz-calcite veins @ 20° & 75° to CA.	0.5	0.0	0	7	0.1	0	0.5-1	0	0	0	0	0.5-1.0	0	69.93	70.73	4727	0.8	NIL		
															70.73	71.7	4728	0.97	NIL		
72–75	Biotite Wacke	0.5	0.0-0.1	1	4	0.1	0	0	0	0	0	0	0.3-0	0							
75–76	74.92-76.22 — Potassic Feldspar Porphyry. Og at 67.93-71.7 but [illegible] 3% qtz-calcite veins & veinlets, 1-5% sericite, moderately silicified. Upper contact sharp @ 37° to CA.	3	0.0	7	8	0.3	0	3-5	0	0	0	0	0.5-0	0	74.92	76.22	4729	1.30	NIL		
76–84	76.22 - 84.45 Sheared Porphyry / Foliated Lithic Arkose. Texturally and mineralogically similar to feldspar porphyry but moderately foliated @ 72° to CA. Foliation enhanced by 3% dark green chlorite plates & wisps. Component feldspars partially replaced by sericite. 1% qtz-calcite-chlorite-epidote stringers @ 72° to CA & oblique @ 40° to CA. Small sections less porphyritic rock (i.e. @ 76.22-77.8) may be arkose, or partially digested wacke at contact with porphyry or sediment xenoliths. Feldspars rounded, with chl pressure shadows. 78.85-78.9 — Biotite wacke xenolith. Foliated @ 78° to CA. Lower contact gradational over 60 cm.	0.5-1%	0.0	6	6	0.3	2	0.5	0	0	0	0	0.5-0	0	76.22	77.82	4730	1.5	NIL		
															77.82	78.82	4731	1.0	NIL		
															78.82	79.92	4732	1.1	NIL		
84	83.72 - 84.25 - 1% qtz-calcite-chl veining, foliation ∥ & oblique, 1% diss. fine py selvages.	1	0.0	6	6	0.5	0	0	0	0	0	0	1.0	0	83.72	84.25	4733	0.53	NIL		
85–88	84.45 - 173.77 Biotite Wacke. As at 51.1 - 76.22. 0.5% small brownish-red, euhedral garnets up to 1.5 mm throughout. <0.5% qtz-calcite-chlorite veins & veinlets. <0.5% py throughout.	0.5	0.0-0.1	1	6	0.3	0	0	0	0	0	0	0.3-0	0							
89	88.65 - 88.9 — Calcareous lithic wacke. Composed 15% sub-angular to sub-rounded green calcareous frags up to 7 mm, 20% biotite, 3-5% chl, 40% calcite, 30% qtz, 0.5% py. Contacts sharp, upper @ 35°, lower @ 0° to CA.	0	0.0	0	4	40	0	0	0	0	0	0	0.5	0	88.5	89.0	4734	0.5	NIL		
90		0.5	0.0	1	6	0.3	0	0	0	0	0	0	0.1-?	0							

DRILL HOLE T-88-12 PROJECT TUGGO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 12, 198[illegible] PAGE 4 OF 11

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; st—stockwork

90.0 Biotitic Wacke

T.S.
96.25 – 97.63 – Potassic Feldspar Porphyry (Latter Wacke?) massive, brownish grey, porphyritic, 25% euhedral feldspar phenos up to 9mm, 15% are clouded due to partial sericitization, 1% partially to completely sericitized. 2-3% biotite wisps, 1% chlorite, 0.5% dissem py, 0.1% dissem po. Weak foliation @ 80° to CA. Contacts are @ 80° to CA.

98.45 – 99.16 – Sericitized Feldspar Porphyry: As above but 15% sericite altered, lower contact @ 90° to CA, marked by 10 cm banded qtz-chl-calcite-sericite vein @ contact. 0.1% fg dissem py. Biotite being replaced by chlorite.

T.S.
106.37 – 108.35 Latter Wacke fg to mdg, crystal rich, highly chloritic, weakly foliated, med to dk green to green brown. 15% euhedral to anhedral feldspar crystals up to 5mm, 2% sericitized fldspr or feldspar fragments up to 4mm. 5% chlorite wacke clasts up to 8cm. Foliation/banding @ 80° to CA. 0.5% foliation ‖ microveinlets. 15% chlorite.

metres	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	%	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHF
92–93														~~92.0~~	~~93.0~~	~~19.33~~	~~1.0~~	~~NIL~~		
93	0.5	0.0	1	5	0.3	0	0	0	0	0	0	0.3 D	0							
97	6	0.0	2	8	0	0	0	0	0	0	0	0.5 D	0.1 D							
98	0.5	0.0	1	5	0	0	0	0	0	0	0	0.3	0							
99	3.5	0.0	0	8	0.3	0	15	0	0	0	0	0.1 D	0	98.45	99.16	4735	0.71	NIL		
103	0-0.3	0.0	1	5	0.1	0	0	0	0	0	0	0.3 D	0							
106–107														106.37 (~~[illegible]~~)	107.12 (~~[illegible]~~)	4736	0.75	NIL		
108	0.3	0	4	5	0.3	6	0	0	0	0	0	0.5 MV	0							
108														107.9	108.35	4737	0.45	NIL		
109	6	0.0	1	5	0	0	0	0	0	0	0	0.3 D	0							

DRILL HOLE T-88-12a PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 12, 1988 PAGE 5 OF 11

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Pc	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHIP
110	BIOTITIC WACKE																					
1																						
2																						
3	113.41 – 113.63 – Potassic Feldspar Porphyry. ab. at 63.93–71.7. Contacts sharp @ 75° to CA.			1	5	0.1	0	0	0	0	0	0	0.3	0								
4																						
5															114.31	114.91	[illegible]	0.6		NIL		
6																						
7	116.95 – 117.37 – Diorite – Mdg, massive, moderately chloritic. 50% intersertal plag, 60% petiolite, 8% chlorite, 2% calcite. Contacts chilled @ 65° to CA. Non-magnetic			0	5	0.5 / 2	0	0	0	0	0	0	0.3 / 0	0	116.45	117.37	19134	0.92		NIL		
8																						
9		0	0.01–0.1																			
120																						
1				1	5	0.1	0	0	0	0	0	0	0.3 / 0	0								
2																						
3	123.85 – 124.13 – Potassic Feldspar Porphyry														122.0	123.0	19135	1.0		NIL		
4				0	8	0	0	0	0	0	0	0	0.13	0								
5																						
6																						
7				1	5	0.1	0	0	0	0	0	0	0.3 / 0	0								
8	128.76 – 129.89 – Potassic Feldspar Porphyry. Contacts @ 85° to CA.																					
9															128.0	129.0	19136	1.0		NIL		
130																						

DRILL HOLE T-88-12a PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 12, 1988 PAGE 4 OF 11

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	⅞	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	Core
130.0	<u>Biotite Wacke</u>																					
1																						
2																						
3															132.0	133.0	4739	1.0		NIL		
4															133.0	134.0	4740	1.0		NIL		
5																						
6		0 – 0.5	0.0 – 0.1	2	5	0.1	0	0	0	0	0	0	0.3 D	0								
7																						
8																						
9																						
140																						
1	141.6 – 142.25 – 5% qtz-calcite-muscovite veining @ 20° to CA. 0.5 cm – 1 cm wide, 15% calcite, 20% qtz. Calcareous alteration selvages observed associated with veining.																					
2		5%	0.0	2	4	5	0	0	0	0	0	0	0.5 D	0	141.6	142.25	4741	0.65		NIL		
3	143.2 – 143.53 · <u>Intermediate Feldspar Porphyry</u>. 1% calcite veinlets, stringers. Contacts @ 90° to CA.			2	5	0.1	0	0	0	0	0	0	D	0								
4				0	8	1	0	0	–	–	0	0	0.3 D	0								
5																						
6		0.5-1	0.00	2	5	0.5	0	0	0	0	0	0	0.3 D	0								
7																						
8																						
9	148.1 – 149.13 – <u>Banded Wacke</u>. Banding of alternating chlorite rich (60%, 1cm) and biotite rich (0.7mm) 35-40%) @ 73° to CA.														149.0	149.5	4742	0.5		NIL		
150																						

DRILL HOLE T-88-12 PROJECT TWEEP **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 12, 1988

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained; diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHR
150	Biotite Wacke																					
154.6	154.6 – 154.73 – White qtz – chlorite vein w/ 0.3% py, 0.1% po, and py is diss & mv. V @ 73° to CA.	–	0.0-0.1	2	5	0.3	0	0	0	0	0	0	0.3 0	0	154.6	155.0	9743	0.4		NIL		
159	159.03 – 160.67 – Intermediate Feldspar Porphyry. 5% fine chl wisps throughout. Contacts @ 72° to CA. Occasional wacke xenolith up to 4 cm at random.	0	0.0	0	8	0	0	0	0	0	0	0	0.1 0	0	159.03	160.07	19137	1.64		NIL		
167.5	167.5 – 168.05 Conglomerate. Composed of sub-angular to sub-rounded frags of biotite wacke (up to 6 cm, 20%), biotite wacke (9 cm, 10%), chert (1.5 cm, 2%) in a fine grained wacke matrix. Fragments are aligned @ 75° to CA. Contacts are sharp and ‖ fabric.	0.5	0.0	2	8	0	0	0	0	0	0	0	0.1 0	0	167.5	168.2	19138	0.7		NIL		
170	168.05 – 170.12 Intermediate Feldspar Porphyry	0	0.0	0	8	0	0	0	0	0	0	0	0.1 0	0								

DRILL HOLE T-88-12 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 12, 1988

DESCRIPTION — cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION % — d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	?
	1	0.0	2	5	0.3	0	0	0	0	0	0	0.3	0
170.57 – 171.14 – Conglomerate bed. As described at 167.5–168.05	0	0.0	1	6	0	0	0	0	0	0	0	0.3	0
171.14 – 172.0 – Lithic Wacke. Described at 173.77– . Similar to clast component in conglomerate at 167.5–168.05. Bedding @ 80° to CA	~~1~~	~~0.0~~	~~1~~	~~6~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	0.5 MV,D	0.3 MV,D
Biotitic Tuff	0	0.0	2	5	0	0	0	0	0	0	0	0.3 D	0
173.77 – 180.81 Lithic Wacke / Crystal Tuff. fg, massive, well sorted, crystal-poor, dark greenish grey. Composed of 10–15% euhedral to subhedral feldspar [illegible] glomeroporphyritic masses up to 3 mm. Matrix is composed predominantly of fine quartz, up to 15% wispy chlorite and 0.5% muscovite. 0.3% py, [illegible] 0.03% aspy (?), 0.1% po. 1% qtz-calcite veinlets oblique to bedding. Have 1% brown-buff sericitic alteration halos. Upper contact interdigitated over 30 cm @ 85° to CA.	0.5	0.0	2	7	0.1	0	0.5	0	0	0	0.03	0.3 D	0.1 D
176.47 – 180.81 – Rock highly silicified and moderately sericitized, 3–5% qtz-calcite microveinlets, foliation // to [illegible] (@ 15° to CA). 0.3% very fine diss. py, 1% [illegible] light green chlorite. [illegible]	3.5	0.0	0	9	0.3	0	5	0.1	0	0	0.03 D	0.3 D	0.1 D
180.81 – 184.05 – Chlorite Mudstone. Fg massive, composed predominantly of chlorite with 10% [illegible] [illegible], 0.5%–1% fg diss. py [illegible]. Contacts sharp @ 90° to CA. 0.3–0.5% qtz-calcite veins, foliation //	0.3	0.0–0.1	2	5	0	0	0	0	0	0	0	0.5 D	0
184.05 – 185.27 Altered Lithic Wacke / Crystal Tuff as at 176.47–180.81, less sericitic / silicified	3.5	0.0	0	8	0.3	0	1.2	0.3	0	0	0	0.3 D	0
185.27 – 204.93 Biotitic Wacke. As described at 51.1–76.22, massive, 2% patchy chlorite throughout	0.3	0.0	1	6	0.3	0	0	0	0	0	0	0.5 MV,D	0
185.27 – 187.26 – Conglomerate section as at 167.5–168.05. Contains 10–15% sub-rounded to sub-angular pebble to cobble-sized clasts of altered lithic wacke / crystal tuff up to 12 cm, [illegible] 0.5% [illegible] in qtz-calcite microveinlets. Bedding / [illegible] @ 82° to CA	0.3	0.0–0.1	2	5	0.1	0	0	0	0	0	0	0.1 MV,D	0
	0.5	0.0	1	6	0.3	0	0	0.1	0	0	0	0.5 MV,D	0
187.13 – 189.46 As above. Clasts up to 5.5 cm. [illegible] @ 15° to CA	0.3	0.0	1	5	0.1	0	0	0	0	0	0	0.3	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHr
170.57	171.14	4744	0.57		NIL		
171.14	171.64	4745	0.5		NIL		
172.77	173.77	4746	1.0		NIL		
173.77	174.07	4747	0.3		NIL		
174.07	175.07	4748	1.0		NIL		
175.07	176.47	4749	1.4		NIL		
176.47	177.47	4760	1.0		NIL		
177.47	178.47	4751	1.0		NIL		
178.47	179.47	4752	1.0		NIL		
179.47	180.81	4753	1.34		NIL		
180.81	181.41	4754	0.6		NIL		
184.7	185.0	4755	0.3		NIL		
186.11	186.71	4756	0.7		NIL		
186.71	187.31	4757	0.6		NIL		
188.36	188.96	4758	0.6		NIL		

DRILL HOLE T-88-12 PROJECT TUCCO **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE November 12, 1988 PAGE 9 OF 11

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
190–205	Biotite Wacke	0-1	0.0-0.1	0	5	0-1	0	0	0	0	0	0	0-3.0	0
204.93–213.58	204.93 - 213.58 Banded Amphibolite / Silicate Facies Iron Formation fg to vfg [illegible] finely banded, composed of 20% sericite bands up to 2cm wide / alternating w/ 3% chlorite bands up to 3mm, 60% biotite rich bands up to 4cm, 0.5-1.0% [illegible] bands up to 8mm and 0.3-0.5% carbonate bands up to 1.5cm. Banding @ 80-90° to C.A. 0.5-1% [illegible] [illegible] [illegible] up to 1.5mm. 1-2% band parallel po stringers and microveinlets. [illegible] band [illegible] Po: 0.5-1% band [illegible] [illegible] calcite veins and microveinlets at 70° to CA. 0.3% [illegible] tourmaline [illegible] at [illegible]	0.5-1%	0.0-0.4	0	4-6	0.3-0.5	0	20	.3	0	0	0	0.5-1% MV	1-2 MV

(Alteration & Mineralization %: d—disseminated, mv—microveined, p—pervasive, v—veined, st—stockwork)

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
193.0	194.0	4759	1.0	NIL		
198.0	199.0	4760	1.0	NIL		
204.93	206.08	4761	1.15	NIL / 10		
206.08	206.40	4762	0.32	NIL		
206.4	207.4	4763	1.0	NIL		
207.4	208.4	4764	1.0	NIL		
208.4	209.0	4765	0.6	10		
209.0	209.65	4766	0.65	NIL		
209.65	[illegible]	[illegible]	[illegible]	NIL		

DRILL HOLE T-88-12a PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 13, 1988 PAGE 10 OF 11

DESCRIPTION

eg. fg. mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres: 210

206.08 – 206.4 – Fine to medium chloritic sandstone lense within the argillites. Contacts sharp @ 90° to CA.

207.3 – 208.74 – Banded Argillite contains only 1% sericite-rich bands up to 3mm

2085 – 208.74 Argillite contains 5% euhedral to anhedral garnets up to 3mm

209.65 – 210.33 – Crystal Tuff / Lithic Arkose: 15–20% feldspars up to 4mm. 0.5% qtz-tour-carb veining @ 25° to CA. 0.5% py, 0.3% po as disseminated microveinlets and in vein selvages. Contacts sharp @ 27° to CA. Weakly sericitic.

210.78 – 211.30 Lithic Arkose. Obscure crystal rich band. Lag material downhole. Possible tops to the north (uphole)

211.67 – 2cm qtz-ser-calcite vein @ 50° to CA. Contains 0.5% po, 0.1% py and 0.1% of a soft bluish silver mineral believed to be molybdenite

212.13 – 213.0 – Lithic arkose. Mudstone becoming more strongly foliated downhole @ 75° to CA

213.0 – 213.58 – Banded argillite fractured and qtz-calcite flooded, with 1% fine py, 0.1% po on broken [illegible]

213.58 – 214.93 Chert – Chlorite – Magnetite Iron Formation

Finely band to fragmented fine grain 1% sphalerite, dark green to dark brown-black commonly 1–4% chert bands (2–4mm thick). 30% chlorite bands (0.5–1.5cm wide), 1% late calcite microveinlets, 2–4% euhedral red-brown garnets up to 6mm, 10–15% magnetite bands up to 9mm. 0.5%–1% [illegible] po, 0.3% [illegible] py

214.43 – 218.72 – Lithic Arkose. As at 173.77–180.81 but contains rounded fragments of feldspar porphyry up to 1cm and sericitized felsic fragments (?) up to 2.5cm. 1% qtz-tour veining @ 40°–65° to CA. 0.5% fine py, 0.3% po.

219.72 – 221.43 Feldspar Porphyry

Mdm [illegible] light [illegible] porphyry [illegible]

metres: 230

ALTERATION & MINERALIZATION %

d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	sl
0.5	0.0	0	4	0.5	0	0.05	0	0	0	0	0.5 mv	0.3 mv
~~0.5~~	~~0.0~~	~~0~~	~~4~~	~~0~~	~~0~~	~~0.5~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0.5~~	~~0~~
0.5–1%	0.0–0.3	0	7–8	0.3	0	0.5–1%	0	0	0	0	0.5–1% mv	0.3 mv
1–2	50–75	0	4–9	1	0	0	0	0	0	0	0.3 mv	0.5–1%
0.5–1	0.0	0–1	7	0	0	0	0.5					
1–2	0.0–0.1	0	8–9	0	0	1–2	0.5	0	0	0	0.5–1–0	0
0.0	0.0	0–	5	0.3	0	0	0	0	0	0	0.3 0	0
5–10	10–35	0	4–9	0.5–1	0	0	0	0	0.5–1.0 mv	0	0.5–1–0	1–15% mv
0	0.0–0.1	0	5	0.3	0	0	0	0	0	0	0.3–0.5 0	0.1 0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	Other
~~210.33~~	210.78	~~4768~~	0.45	—	~~NIL~~	—	—
~~210.78~~	~~211.38~~	~~4769~~	~~0.6~~	—	~~NIL~~	—	—
~~211.38~~	~~212.0~~	4770	0.62	—	~~NIL~~	—	—
~~212.0~~	213.0	4771	1.0	—	20	—	—
213.0	213.58	4772	0.58		NIL		
~~213.58~~	214.43	4773	0.85	—	20 / NIL	—	—
216.0	217.0	4774	1.0		NIL		
217.0	218.2	4775	1.2		NIL		
218.72	219.72	4776	1.0		NIL		
219.72	220.72	4777	1.0		NIL		
220.72	221.43	4778	0.71		NIL		
222.38	223.1	4779	0.72		20		
223.1	223.55	4780	0.45		NIL		
223.55	224.28	4781	0.73		NIL		

DRILL HOLE T-88-12 PROJECT TWEED — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE NOVEMBER 13, 1988 —

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	fo	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHM
230–2	Composed of 65-75% euhedral feldspars up to 3mm, 5% hornblende, 0.5-1% dissem po, 15-20% interstitial ... 1-2% grey-white quartz veining @ 0°-40° to CA.	0	0.0-0.1	0	5	0.5	0	0	0	0	6	0	0.5 D	0	230.0	231.0	4782	1.0		20		
2–4	221.43 – 233.95 Biotite Wacke As at 51.1–76.22. Massive to locally laminated @ 80° to CA. Local concentrations of small garnets up to 1.5mm throughout. 222.38 – 224.28 Chert-Chlorite-Magnetite Iron Formation As at 213.58–219.43. Contains 5-15% magnetite bands up to 3mm. 3-5% euhedral to subhedral red-brown garnets up to 8mm, associated with chlorite-rich bands. ...	1	0.0-0.1	0.2	7	0.5	0	5	0	0	0	0	0.3 D, MV	0.5 D, MV	233.5	234.6	4783	1.1		NIL		
6–240	223.28 – 223.95 – IF cut by fragmented qtz-albite-chlorite vein @ 65° to CA. Cemented by 10-15% po, 0.5-1% py, 1-1.5% late chalcopyrite. Sulfide replacement of magnetite bands observed in adjacent 12-20 cm of IF. 226.58 – 226.78 – Potassic Feldspar Porphyry 233.5 – 234.5 – Wacke more distinctly banded @ 65° to CA. 5% sericite-rich band up to 5mm. 1% qtz-calcite veining. Locally conglomeratic w/ up to 5% sub-rounded ... & lithic arkose pebbles up to 3cm. Similar to conglomerates observed at 167.5 – 168.05.	0	0.0-0.1	0.2	5	0.5	0	0	0	0	0	0	0.5 D	0	239.4	239.95	4784	0.55		NIL		
1–2	239.95 – 242.6 Chert-Chlorite-Magnetite Iron Formation As at 213.58 – 219.43. 1-2% microveinlets of po ... 3-5% magnetite rich bands up to 5mm. 1-3% ... parallel epidote bands up to 3mm. 0.3% cp.	1	0.4-26	0-1	4-9	0.1	0	0	0	0	0.3 MV	0	0.1 D	0.5-1, MV	239.95	241.0	4785	1.05		NIL		
															241.0	241.8	4786	0.8		10		
															241.8	242.6	4787	0.8		NIL		
3	242.6 – END OF HOLE																					

HEWLETT-PACKARD 9270-1024

DRILL HOLE T-88-13 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

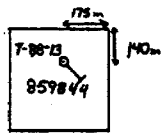
DATE NOVEMBER 26, 1988 PAGE 1 OF 7

AREA GRID 6
CLAIM 859844
CORE SIZE BQ
DATE STARTED NOVEMBER 15, 1983
COMPLETED NOVEMBER 22, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS HOLE STOPPED AT 166.82 m DUE TO EXCESSIVE SANDING AND CAVING IN THE HOLE

		DOWNHOLE	VERTICAL
DEPTH	OVERBURDEN	61.0	
	HOLE	166.82	
ELEVATION			

CO-ORDINATES NORTHING 1+00N
EASTING 0+00

LOGGED BY P. CASHIN
CHECKED BY Peter Cashin

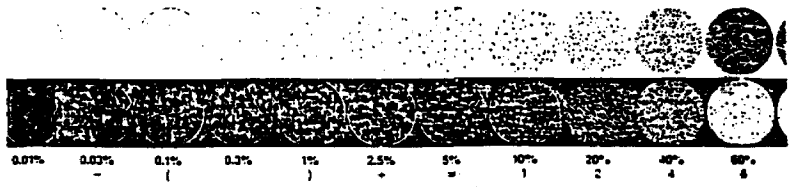


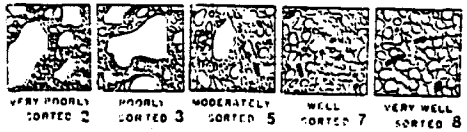
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
60.95 m		-49.5°	
121.3 m		-44.5°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to intersect a high to moderate chargeability slightly resulting IP target on line 0+00 / 0+00S at the point of intersection of a regional NE-striking fault structure. The IP target was explained by a zone of silicified graphitic argillite at 109.61-118.0 and at 124.29-127.29 which contained 0.1-0.5% cpy, 0.5-5% py, 0.32 po stringers throughout the section. More intense silicification associated with discordant fracture-filling cpy-galena-chlorite veinlets at 138.32-138.68. The regional fault was manifested in core as an altered graphitic fault gouge at 127.29-130.85





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	61.0	OVERBURDEN
61.0	72.29	CHLORITIC SANDSTONE
72.29	84.4	CHLORITIC WACKE
84.4	94.27	CHLORITIC WACKE
94.27	96.4	LITHIC TUFF
96.4	109.61	CHLORITIC WACKE
109.61	118.0	SILICIFIED GRAPHITIC ARGILLITE
118.0	124.29	CHLORITIC WACKE
124.29	127.29	SILICIFIED GRAPHITIC ARGILLITE
127.29	130.85	ALTERED GRAPHITIC FAULT GOUGE
130.85	143.2	BANOCO WACKE
143.2	145.14	SANDSTONE
145.14	166.82	CHLORITIC WACKE
	166.82	END OF HOLE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
4788 - 4870

DRILL HOLE T-83-13 PROJECT TWEEP **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 26, 1983 PAGE 2 OF 7

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

60

0.0 - 61.0 - OVERBURDEN

61.0 - 72.29 Chlorite Sandstone

fine to medium, massive to banded medium green-grey (epidotized sections) composed of alternating silica - epidote rich bands (2mm - 1.2cm) and chlorite rich bands (5mm - 3cm). 0.5-1% qtz - epidote - quartz veins. Moderately silicified regions at random throughout. Banding @ 80° to CA.

61.76 - 61.95 - Highly silicified and qtz - calcite microveined section. Weakly patchy sericitization. 0.5% fg py.

63.38 - 65.0 - Foliated Feldspar Porphyry / Lattice Arbor: Composed of 15-25% euhedral to subhedral feldspars up to 6mm, partially K-metasomatized. Have a moderate F.O.@ 65° to CA. 0.5% fine dissem py & patchy fine, weakly chloritic

65.64 - 65.97 - Foliated Feldspar porphyry. As above but weakly foliated

68.39 - 68.64 - 3-5% foliation parallel blue qtz veinlets and white qtz - sericite veins @.

72.29 - 84.4 - Chlorite Wacke

fine, massive, mid green to brown - green, moderately foliated. 5-10% qtz and quartz - calcite veining. 3 intersecting microveinlets set (early blue qtz veinlets and two qtz - calcite sets). 1-3% fine py, 0.1% cp, 0.3% po, 0.1% cpy, 0.03% specular hematite as disseminations and associated with foliation parallel and oblique microveinlets. Foliation observed to be locally contorted. Local concentration of brown - red garnets up to 5mm. Local patchy brownish sections at random, possible carbonitization (?) or hematization

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
0.5-1	0.0 - 0.1	0	5	0.3	0	0	0	0	0	0	0.1	0
5		0	9	0.5-1	0	3	0	0	0	0	0.3 mv	0
0.5-1%		0	5	0.3	0	0	0	0	0	0	0.1	0
0.3-0.5%		4	8	0	0	0.3	0	0	0	0	0.5, 0	0
0.5-1		0	5	0.3	0	0	0	0	0	0	0.3	0
0		2	8	0	0	0.1	0	0	0	0	0.5-1%	6
5-10%		3	6	0.5-1%	0.3%	0	0	0	0.1 MV,D	0	1-3% MV,D	0.3 MV,D

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
61.25	62.0	4788	0.75		NIL		
62.78	63.38	4789	0.6		NIL		
63.38	64.0	4790	0.62		NIL		
64.6	65.0	4791	1.0		NIL		
67.79	68.69	4792	0.9		NIL		
69.29	70.29	4793	1.0		NIL		
70.29	71.29	4794	1.0		10		
71.29	72.29	4795	1.0		NIL		
72.29	73.29	4796	1.0		NIL		
73.29	74.29	4797	[illegible]		10/NIL		
74.29	75.29	4798	1.0		NIL		
75.29	76.29	4799	1.0		NIL		
76.29	77.29	4800	1.0		NIL		
77.29	78.29	4801	1.0		NIL		
78.29	79.29	4802	1.0		NIL		
79.29	80.29	[illegible]	[illegible]		NIL		

80

DRILL HOLE T-88-13 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE November 26, 1988 PAGE 3 OF –

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres: 80.0 – 100

Chloritic Wacke

84.4 – 94.27 Chloritic Wacke

As at 72.27–84.4 but only weakly qtz and qtz-calcite microveining (0.5% –1%).

Foliated weakly to moderately developed @ 72° to CA.

89.62–90.15 – Moderately silicified section w 2% grey qtz veins and microveinlets @ 70° to CA (foliation ‖). Transected by calcite-qtz microveinlets and veins up to 5 mm @ 35° to CA and as hairline fracture fillings at 0–15° to CA. 1–2% fg microveinlets and disseminations of Py, 0.1% cpy. 5% biotite as 8 mm section ‖ bands.

91.0–92.3 – Medium to coarse grained mafic volcanic section. Contains large lenticular chlorite lenses (augen?) up to 3 cm. May also be flattened/tough chloritized mafic frags indicating mafic pyroclastic. Flattening @ 75° to CA

93.25–93.3 – Moderately silicified banded section @ 75° to CA. 10% chlorite, 3% red-brown garnets as band parallel concentrations. 0.5%–1% disseminated fg euhedral py.

93.?–93.24 – As at 93.25–93.3. 1–2% band parallel fg Py

94.17–94.28 – Small banded chert-chlorite sulfide iron formation. 3–5% fg band ‖ pyrite, 0.5% po

94.27 – 96.4 Lithic Tuff

Fg weakly banded to foliated medium grey green col. 1–3% flattened highly sericitized lithic fragments up to

ALTERATION & MINERALIZATION %

d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
5–10%		3	6	0.5–1	0	0	0	0	0.1 MV	0	1% MV, D	0.03 MV, D
0.5–1%		2	5	0.5–0.5	0	6	0	0	0	0	0.5 MV, D	0
32	0.0–0.11	2	9	1	0.1	0	0	0	0.1	6	1–2 mv	0
0.5		2	5	0.5	0	0	0	0	0	0	0.3 D	0
0		5	5	0.5	0	0	0	0	0	0	0.3 D	0
0.5		2	5	0.3	0	0	0	0	0	0	0.5 D	0
3		2	0	1	0.1	0	0	0	0	0	0.5	0
0.3		2	5	0.3	0	6	0	0	0	0	0.3 D	0
5–15%		3	6	0.5–1	0.03	0	0	0	0–0.03 MV	0	0.5–3% MV	0.1 MV
—												

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHY
80.29	81.29	4804	1.0	NIL		
81.29	82.29	4805	1.0	NIL		
82.29	83.29	4806	1.0	NIL		
83.29	84.4	4807	1.11	NIL		
88.82	89.62	4808	0.8	NIL		
89.62	90.15	4809	0.53	NIL		
90.15	90.75	4810	0.6	NIL		
92.85	93.75	4811	0.9	NIL		
93.75	94.27	4812	0.52	NIL/10		
96.3	96.9	4813	0.6	NIL		
96.9	97.9	4814	1.0	NIL		
97.9	99.3	4815	1.4	NIL		
99.3	100.1	4816	0.8	NIL		

DRILL HOLE T-33-13 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE NOVEMBER 27, 1989

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

3cm flattening @ 68° to CA. Matrix intermediate composition. ≤0.5% biotite-[illegible] microveinlets (up to 2mm) @ 30° to CA.

96.4 – 109.61 Chloritic Wacke
As at 72.29 – 84.4

96.4 – 96.84 – Highly silicified section containing 3-5% biotite, 5-10% chlorite, 1% small garnets. Host 4cm banded oblique qtz vein @ 70° to CA. Fractured and py-biotite flooded. 2-3% fracture ‖ f.g. py, 0.4% cpy.

97.1 – 97.25 – Qtz-cemented breccia section 0.3% f.g. pyrite

Whole section contains 5-15% qtz and qtz-calcite veinlets stringers and hairline microveinlets. Locally moderately to highly silicified sections throughout. 0.5-3% f.g. py, 0.3% cpy and [illegible] parallel and oblique microveinlets and [illegible] throughout. At least 36 vein episodes identified.

99.3 – 102.0 – Section highly silicified and locally sericite-ankerite (?) altered. Banding @ 80° to CA. 3-5% [illegible] and brecciated qtz and qtz-calcite microveinlets w/ 1-5% py, 0.5% po, 0.1% cpy, 0.03% aspy

100.1 – 100.41 – Small fault gouge section. 30% recovery. Fault @ 80° to CA

102.0 – 103.51 – Weakly to moderately foliated mafic [illegible] same as described at 91.0 – 92.3. Flattened chlorite [illegible] up to 3mm. Foliation @ 45° to CA. 0.5% foliation ‖ f.g. py

103.51 – 109.61 Degree of foliation and breccia development higher. Local patchy silicification 2-5% qtz, qtz-calcite microveinlets & stringers. More chlorite

104.06 – 104.26 – Section moderately to highly silicified and [illegible] (3%). 5% qtz veining w/ 2-3% f.g. py, 0.1% cpy as fracture-filling in veins.

105.21 – 105.45 – Qtz-calcite [illegible] veinlets & veins Z-folded + boudinaged

ALTERATION & MINERALIZATION %

d—disseminated, p—pervasive, v—veined, mv—microveined, sh—stockwork

% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	%
10%-20		3	9	1-3	0-1-0.3	0.5	0.1	b	0-1 MV	0.03 MV	1-3 MV	0.5-MV
0.5-1		4	5-6	1½	0	6	0	0	0	0	0.5 MV	0
0.5-1		5	5	1%	0.3%	0	0	0	0.1	0	0.5-v	0
2-3		5	8	0.5-1	0.1	0	0	0	0.1	0	2-3-v	0
3-5%	0.1	5-6	6	1-2	0.3	0	0.0	0	0.1	0	0.5-3% MV	0.5 MV
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0
0.5-1%	0.0	3-4	6-8	0.3	0	0	0	3-5	0.3 MV	0	0.5-3% MV	0
0.5		4-5	5-6	0	0	0	0	0	0	0	0.5-1%	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHr
100.1	101.1	4817	1.0		NIL	—	
101.1	102.0	4818	0.9		NIL	—	
102.0	103.51	4819	1.51		NIL		
103.51	104.06	9820	0.55		NIL		
104.06	104.46	4821	0.4		NIL		
104.46	105.16	4822	0.7		NIL	—	
105.16	106.0	4823	0.79		NIL		
106.0	107.0	4824	1.0		NIL		
107.0	108.0	4825	1.0		NIL		
108.0	109.0	9826	1.0		NIL		
109.0	109.61	4827	0.61		NIL		
109.61	110.21	4828	0.6		NIL		
110.21	111.21	4829	1.0		NIL		
111.21	112.21	4830	1.0		IC/NIL		
112.21	113.21	4831	1.0		NIL		
113.21	114.21	4832	1.0		NIL		
114.21	115.21	4833	1.0		NIL		
115.21	116.0	4834	0.79		NIL		
116.0	117.0	4835	1.0		NIL		
117.0	118.0	4836	1.0		NIL		
118.0	119.1	4837	1.1		NIL		

DRILL HOLE T-88-13 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE NOVEMBER 27, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

(metres 120–140)

Gradation [illegible] @ 70° to CA. Oblique to [illegible] foliation

109.61 – 118.0 Silicified Graphitic Argillite

As described above but moderate pervasive silicification of this section observed + 1-3% 1-2mm garnets throughout. 0.5-3% fine py patches and fracture filling microveinlets.
109.87 – 110.05 – Silicified graphitic section composed primarily of black carbonaceous material and 1-2% fine euhedral py, 0.1% cpy microveinlets + stringers.
All sulfide veinlets associated with carbonaceous material. Carbonaceous bands make up 3-5% of total section.

115.52 – 115.67 – Carbonaceous band as described at 109.87 – 110.05. 60% carbonaceous material @ 70° to CA.

118.0 – 124.29 Chloritic Wacke

As at 96.4 – 109.61 but banded. Bands composed of alternating 90% chl-rich (5-8 cm) and 10% bio-rich bands (1-4mm). Banding @ 70° to CA. 0.5% – 1% py as qtz-carb microveinlets. Proportion of brown biotite-rich bands observed to increase downhole. Foliation moderately [illegible]

121.05 – 121.62 Biotitic Wacke
As above but generally mostly biotite with 10-15% chl-rich bands.
121.62 – 122.17 – Brecciated and qtz-calcite [illegible] section 0.5-1% po, 0.5-1% py assoc. with breccia flooding

124.29 – 127.29 Silicified Graphitic Argillite

As described at 109.61 – 118.0 but more highly silicified. Primary banding cut by numerous calcite and qtz-calcite veinlets and stringers @ 0-25° to CA. Banding @ 70° to CA. [illegible] composed of 35% graphitic bands (up to 1mm – [illegible]) and 65% silicified argillite bands. 0.5 – 5% pervasive to band // fine to v. fine pyrite. 0.3% po, 0.1-0.3% fine cpy. Small proportion of nodular pyrite observed associated with graphitic bands.

127.29 – 130.85 – Altered Graphitic Fault Gouge

Mag. sus.: 0.0 – 0.1 (120–140 m)

% Veins	Shear int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	?
0.5	4-5	5-6	0	0	0	0	0	0	0	0.5-1% MV	0
5-10	4-5	7	0.5	0	0	0	0	0		0.5-1%	0.5-1%
0.5	4-5	5-6	0	0	0	0	0	0	0	0.5-1% MV	0
0.5-5%	2	8-9	0.5-1	0	0.5	0	0	0.1 / 0.3 MV	0	0.5-5% MV, P.	0.3 MV
–			FAULT GOUGE								
1-3	2	7-8	0.3	0	0.5	0	0	0	0	0.1-0.3	0.5-1.0
0.5-1%	3	6	0.5	0	0.3	0	0	0	0	0.1-0.3	0
0.5-1%	3	8-9	0.3	0.1	0	0	0	0	0	0.1-0.3	0
0.5-1	3	6	0.5	0	0.1	0	0	0	0	0.1-0.3	0
1-2%	3	8-9	0.5	0	0	0	0	0	0	2-3	0
0.5-1%	3	6	0.3	0	0	0	0	0	0	0.1-0.5	0

SAMPLING

From (m)	To (m)	Sample #	Width (m)		Au ppb	Au oz/t	CHK
121.05	121.62	4838	0.57		NIL		
121.62	122.17	4839	0.55		NIL		
123.29	124.29	4840	1.0		NIL		
124.29	125.09	4841	0.8		NIL		
125.09	125.89	4842	0.8		NIL		
125.89	126.69	4843	0.8		NIL		
126.69	127.29	4844	0.6		NIL		
127.29	130.85	4845	3.56		NIL		
130.85	131.77	4846	0.92		NIL		
131.77	133.0	4347	1.23		NIL		
133.0	134.0	4248	1.0		NIL		
134.0	135.0	4849	1.0		NIL		
135.0	136.0	4850	1.0		NIL		
136.0	137.0	4351	1.0		NIL		
137.0	138.02	4352	1.02		NIL		
138.02	138.78	4353	0.76		NIL		
138.78	140.28	4854	1.5		NIL		

DRILL HOLE T-83-13 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE November 27, 1983 PAGE 5 OF

DESCRIPTION

cg, fg, mg — coarse, fine, medium grained; diss — disseminated

sfol, mfol, wfol — strong, medium, weak foliation; qzvn — quartz vein

metres: 140.0 – 160

Gouge composed of altered and brecciated feldspar porphyry and graphitic argillite

130.85 – 143.2 Banded Wacke

fg to aphanitic, banded to massive wacke composed of alternating green chloritic (5mm – 3cm) and red to brown biotitic (5mm – 4cm) sections. Bedding @ 80° to CA. 1-3% flattened red-brown pyritiferous lenses up to 8mm // banding/foliation. Locally wacke moderately to highly silicified in association with fracture-filling qtz-carb-chlorite-sulfide veinlets.

131.15 – 131.77 – Silicified Feldspar Porphyry Intrusive; fg to mdg, massive, non-foliated, white-grey. 20-25% euhedral to subhedral white feldspars up to 5mm with siliceous matrix. 1-2% wispy mariposite, moderately silicified matrix. 0.5-1% fg dissem po, 0.1-0.3% fg py. Contacts sharp @ 80° to CA.

132.44 – 133.02 – 3% qtz-chlorite veining. Wacke moderately to highly silicified. 0.1-0.3% py.

133.59 – 133.75 – Silicified Feldspar Porphyry as at 131.15 – 131.77. Contact sharp @ 75° to CA. Cut by coarse grained, granite mariposite-chlorite-calcite veinlets @ 0° to CA. Sediment on uphole side of intrusive moderately silicified.

138.02 – 138.63 – Rock exhibits intense silica alteration halos on fracture-filling qtz-chlorite-calcite-sulfide microveinlets @ 20 and 80° to CA. 2-3% vfg py in vein filling and disseminated selvage material.

143.2 – 145.14 – Sandstone

fg to vfg, light grey to grey green, finely banded to laminated sand, weakly to moderately silicified. Banding @ 72° to CA. Weak microveining.

145.14 – 166.82 Chloritic Wacke

As at 130.85 – 143.2 but more chloritic. Well banded to laminated @ 85° to CA.

ALTERATION & MINERALIZATION %

d — disseminated, p — pervasive, v — veined, mv — microveined, sk — stockwork

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	?
0.5		3	6	0.3	0	0	0	0	0	0	0.1-0.3	0
0.1-0.3	0.0-0.1	1-2	6-7	0.1	0	0	0	0	0	0	0.3 D	0
2												
0.5-3%		0-2	7-8	0.3	0	0	0	0	0.1	0.01	0.5-3%	0.1
10%	0.0-3?	0-2	6-7	0.1	0	0	0	0	0.5	0	5	2
0.5-1.0%		2-3	5-6	0.3-0.5	0	0	0	0	0	0	0.3-0.5	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
140.28	141.0	4855	0.72		NIL		
141.0	142.0	4856	1.0		NIL		
142.0	143.2	4857	1.2		NIL		
143.2	144.2	4858	1.0		NIL		
144.2	145.14	4859	0.94		NIL		
145.14	145.64	4860	0.5		NIL		
145.64	146.47	4861	0.83	NIL	NIL	15	49
146.47	147.17	4862	0.7	NIL	NIL	<1	39
147.17	148.0	4863	0.83	.2	10/NIL	51	25
148.0	148.43	4864	0.43	.2	10	23	88
148.43	148.91	4865	0.48	.6	20	160	110
148.91	149.91	4866	1.0	NIL	10	58	56
154.0	155.0	4867	1.0	NIL	NIL	43	66
157.28	158.23	4868	1.0	NIL	NIL	33	51

DRILL HOLE T-88-13 PROJECT TWEED — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE November 27, 1988 PAGE 7 OF 7

DESCRIPTION

cg, fg, mg — coarse, fine, medium grained; diss — disseminated; sfol, mfol, wfol — strong, medium, weak foliation; qzvn — quartz vein

ALTERATION & MINERALIZATION %: d — disseminated; p — pervasive; v — veined; mv — microveined; sk — stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
160	146.47 – 148.0 10-15% silicified, cherty-looking bands up to 4cm. 5-10% garnets up to 3mm. 0.3-3% fg py, 0.1% cpy, 0.1% po as bands/microveinlets. 1 blade of arsenopyrite observed @ 147.2													
3	148.43 – 148.91 Chlorite wacke brecciated and flooded by 5% cg py, 2% cg po, 0.5% cpy	0.3-0.5	0.0-0.1	2	5-6	0.3	0	0	0	0	0	0	0.3	0
7	166.82 – End of Hole													

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
160.0	161.0	4869	1.0		NIL		
165.82	166.32	4870	1.0		NIL		

DRILL HOLE T-88-14 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 2, 1988 PAGE 1 OF

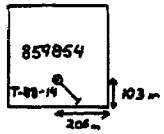
AREA GRID 6
CLAIM 859854
CORE SIZE BQ
DATE STARTED NOVEMBER 26, 1988
COMPLETED DECEMBER 2, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

		DOWNHOLE	VERTICAL
DEPTH	OVERBURDEN	70.36	
	HOLE	221.2	
ELEVATION			

CO-ORDINATES NORTHING 0+45S
EASTING L 10+00E

LOGGED BY Ed Van Hees
CHECKED BY P. Cashin

Peter Cashin

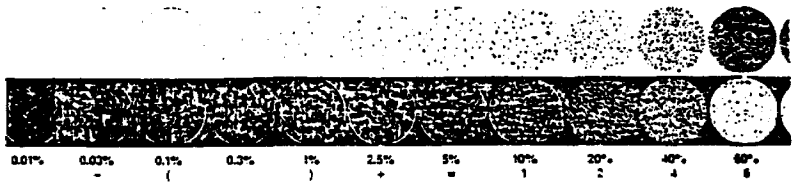


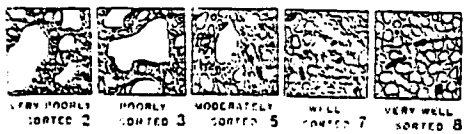
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
70.1		-47.5°	Acid Test
126.8		NO ETCH	" "
218.22		-47.5°	" "

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

Drill hole was intended to intersect a moderate chargeability, low resistivity IP anomaly observed on L 10+00E / 1+75S. The target was explained as a graphitic + pyrite zone at 124.5-124.81 and pyrite and pyrrhotite accumulations in and adjacent mostly tuffaceous horizon between 121.29-124.50. A massive sulphide zone was also obtained within a section of altered mafic tuffs at 156.64-158.04 with up to 50% fine grained pyrite and .05% arsenopyrite. Downhole from this section are observed silicified and hematized mafic volcanics between 158.09-164.77 containing between 2-15% pyrite accumulations associated with ankeritic carbonate microveinlets. Boxworked pyrite was observed within a quartz carbonate vein at 163.19-163.87.





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	70.36	OVERBURDEN
70.36	72.48	BIOTITIC WACKE
72.48	73.27	CHERT / CHERT CHLORITE-SULPHIDE IF
73.27	84.06	BIOTITIC WACKE
84.06	105.5	MAFIC TUFF
105.5	116.81	ALTERED MAFIC TUFF
116.81	124.5	MAFIC TUFF
124.5	124.81	GRAPHITE + PYRITE ZONE
124.81	127.71	MAFIC TUFF
127.71	129.75	ALTERED MAFIC TUFF
129.75	133.3	MAFIC TUFF
133.3	137.65	SHEARED MAFIC TUFF
137.65	156.64	ALTERED MAFIC TUFF
156.64	158.04	MASSIVE SULFIDE ZONE
158.04	193.91	ALTERED MAFIC TUFF
193.91	221.2	FOLIATED GRANODIORITE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
4871 — 4935

DRILL HOLE T88-14 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 2, 1988 PAGE / OF

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; sfol, mfol, wfol—strong, medium, weak foliation; diss—disseminated; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	ep	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)														SAMPLING							
70	0 – 70.36 m – Overburden																					
1, 2	70.36 – 72.48 m <u>Biotitic Wacke</u> – medium beige-brown massive unit with significant chlorite content in places producing a layered or bedded appearance. 71.88 – 72.48 – Py + Gray min. dev on fractures	.5-1%	0.0-0.1	0-1	5	0	0	.25-.5	0	0	0	0	.25-.5	0								
3	72.48 – 73.27 m <u>Chert</u> – well banded very siliceous unit. Bands up to 1cm thick with folding (soft sed?) and [illegible]	2-3	0.0	0	7	0	0	0	0	0	0	0	1-2	1-2	72.48	73.27	4871	.79		NIL		
4–9, 80	73.27 – 84.06 m <u>Biotitic Wacke</u> – massive medium beige-brown to grey brown unit. In two or three places small units of coarser material develop over 5-15 cm. Quartz veining averages 3% over the length but in places is 10-15%. Banding where present is at 60-70% TCA. Chlorite introduction is evident in many places and gives banding effect. 79.34 to 79.9 m much strong shearing an quartz veining, wallrock + veins carry Py stringers, Po blebs and <u>minor diss Sphalerite</u>	15	0.1	7	7	0	0	0	0	0	0	0	2	1	79.34	79.9	4872	.64		NIL		
1–4	82.99 – 84.06 m Pyrite concentration is up to 5-7%, disseminated and not ass with other sulphides	3-5	0.0	4	7	0	0	0	0	0	0	0	5-7	0	82.99	84.06	4873	1.07		NIL		
5–9, 90	84.06 – 99.53 m <u>Mafic Volcanic Tuff</u> dark grey green volcanic tuff with fine banding. Banding [illegible] occurs at 70 degrees TCA but in places varies greatly ie 96.33 m where all range of angles TCA are present in [illegible] structures that suggests slumping has occurred [illegible] (or [illegible] like movement). Some chlorite introduction is evident in places as [illegible] ie 97 m.	3-4	0.0-0.1	0-1	5	0	0	0	0	0	0	0	.25	0	89	90	4874	1.0		NIL		

DRILL HOLE ______ PROJECT ______ CHEVRON MINERALS LTD. DIAMOND DRILL LOG DATE ______ 2 PAGE ___ OF ___

Column key: cg, fg, mg = coarse, fine, medium grained; dis = disseminated; sfol, mfol, wfol = strong, medium, weak foliation; qzvn = quartz vein. Alteration & mineralization %: d = disseminated; mv = microveined; p = pervasive; v = veined; sk = stockwork.

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn
90	84.06 - 99.53 m mafic volcanic tuff cont'd	3-4	0.0-.01	0-1	5	0	0	0	0	0	0	0	.25	0	94	95	4875	1.0	-	NIL		
100	99.53 - 100.48 m ?Feldspar Phenocryst Flow? - zone consisting of numerous large feldspar phenocrysts up to 3 cm separated by a matrix of chlorite, [illegible] and quartz [illegible]. ½% Py dis + occ Chalco. (Feldspar phenocrysts are reminiscent of some diabase)	2-3	0.0-.01	2-5 (depending on [illegible])	6	0	0	0	0	0	.01	0	.25-.50	0	99.53	100.48	4876	1.01		NIL		
2	100.48 - 105.50 m Mafic Volcanic Tuff - massive dark green volcanic tuff with fine banding in places as well as occasional light colored lapilli size fragments. Last half of this section has frequent 1mm pyrite bands at 20°-70° TCA. These have minor chlorite + quartz ass. with them. - some fuchsite on fracture surfaces.	1-3	0.0-0.1	0-1	5	0.5	0	0	0	0	0	0	1-2	0	103.35	105.5	4877	2.15	NIL	10	115	48
6	105.50 - 116.31 m Altered Mafic Volcanic Tuff - mafic volcanic tuff as above except that significant sections have been altered. Alteration is typically to a medium red-brown color. This is associated with the introduction of pyrite - occasionally up to 50 percent - within the altered sections.														105.5	106.46	4878	.96	NIL	10	114	53
7															106.46	107.67	4879	1.21	NIL	NIL	92	49
8															107.67	109.35	4880	1.68	NIL	NIL	83	44
0															109.35	110.1	4881	.75	NIL	20/10	107	70

DRILL HOLE PROJECT **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 3 PAGE OF

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn
110	105.50 – 116.81 m Altered Mafic Volcanic Tuff cont'd														110.10	110.83	4882	.73	NIL	NIL	123	68
1–4	the most prominent alteration areas occur at 105.5 – 105.71 m; 107.55 – 107.80 m; 109.25 – 110.92 m; 111.94 – 112.36 m. Some of the zones have garnet growth associated with them. The garnets suggest they are rotated slightly & therefore in a shear zone	3% avg.	0.0 – 0.1	1 – 7	5 – 7	1–2	0	0	0	0	0	0	2–3 avg		111.94	112.50	4883	.86	NIL	NIL	87	37
															113.86	114.44	4884	.60	NIL	10	82	58
7–8	116.81 – 124.50 m Mafic Volcanic Tuff		0.4 – 39.8	0	5-7	0	0	0	0	0	0	0	10		117.31	117.72	4889	0.61				
9–121	as described previously except banding is very well developed in a large part of this section. Garnet is present in many banded areas and appears to be metacrysts which have not been rotated for the most part. Pyrite + Pyrrhotite are concentrated in places up to 50%. These are at 121.24 – 121.50 m, 123.55 – 123.70 m, 124.00 – 124.50 m	1% M.V.											3-4		120.6	121.5	4885	0.9	.3	NIL	78	430
3													1-2		122.0	123.3	4886	1.3	NIL	NIL	58	51
4													2-3		123.3	124.0	4887	0.70	NIL	NIL	134	260
													5		124.0	124.50	4888	.50	.2	NIL	143	311
	124.50 – 124.81 m Graphite – Pyrite Zone – has Chert layers	5	0	2-4	2-7	0	0	0	0	40	0	0	5	20	124.5	124.81	4890	0.31	.7	NIL	369	1650
5–7	124.81 – 127.56 m Mafic Volcanic Tuff – as described immediately above graphite zone. Contact with graphite zone @ 85° TCA. Pyrite present in stringers and disseminated	2 to 3%	0.0 to 0.1	0-1	5-6	0	0	0	0	1-2	0	0	2-3	0	124.81	125.80	4891	0.99	NIL	30	118	464
															125.80	126.54	4892	0.74	.2	NIL	64	263
	127.56 – 127.96 m Intrusive of [illegible] mafic comp @ 45° TCA	0	0	0	5	0	0	5	0	0	0	0	1-2 / 25	0 / 0	127.91	128.10	48[illegible]	0.37	.6	NIL	81	151
8–0	127.96 – 129.75 m Altered Mafic Volcanic Tuff. Altered as before with significant areas of red-brown coloration and pyrite mineralization – appears to have 2 pyrite generations. may have [illegible] contact	1-2	0.0	1-3	5	0	0	0	0	0	0	0	2-3 / 0	0 / 0	128.10	129.07	4894	0.97	.2	NIL	69	579

DRILL HOLE PROJECT **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 4 PAGE OF

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein	% VENS.	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % d—disseminated mv—microveined p—pervasive v—veined sk—stockwork cal	ank	ser	tour	gf	cp	sapy	py	Po
130														
1	129.75 – 133.30 m Mafic Volcanic Tuff dark grey green mafic tuff with poor banding	50	0.0	0	5	0	0	0	0	0	0	0	0	0
2														
3														
4	133.30 – 137.65 m Mafic Shear Zone - mottled mafic volcanic with planar fracture @ 60-70° TCA													
5	Significant microbeaming of quartz @		0.0											
6	10, 45 and 60 degrees TCA. Lots of post veining movement as indicated by numerous vein offsets. Pyrite is present and normally disseminated.	5-7	0.1	4-8	5	e	e	e	e	e	e	e	5	0
7														
8	137.65 – 143.45 m Altered Mafic Volcanic Tuff as described previously with weak banding. Areas of red-brown alteration associated with silicification and disseminated pyrite.												2-3	0
9													T	0
140			0.0	1-3	5-7	0	0	0	0	0	0	0	0	0
1		3-5	0.1											
2													1	0
3													1	0
4	143.60 – 144.66 m Silicified Zone - Light brown very siliceous zone with vestiges of tuff	25	0	0	7	0	0	0	0	0	0	0	1	0
5	144.66 – 156.64 m Altered Mafic Volcanic Tuff													
6														
7	characterized by pervasive silicification in places (most) and the presence of pyrite bands/streaks throughout. Dismet and other fragments present between bands which generally are at 70° TCA but all angles present.													
8														
9	with a fold recorded at 154.1 m. Minor bands of graphite 1-3 mm present occasionally.													
150														

SAMPLING	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag g/t	Au ppb	Cu ppm	Zn ppm
	133.3	134.3	4895	1.0	NIL	30	84	34
	137.65	138.58	4896	0.93	NIL	NIL	102	28
	138.58	139.28	4897	0.70	NIL	NIL/NIL	62	26
	141.90	142.77	4898	0.87	NIL	NIL	58	31
	142.77	143.60	4899	0.83	.2	10	114	152
	143.60	144.66	4900	1.06	NIL	10	68	68
	145.17	145.6	4901	0.47	.2	NIL	78	30
	146.22	147.15	4902	0.93	.5	10	90	32
	147.15	148.4	4903	1.25	.4	NIL	65	87
	148.4	149.37	4904	0.97	NIL	NIL	41	215
	149.37	151.2	4905	1.83	.3	NIL	45	122

DRILL HOLE PROJECT **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 5 PAGE OF

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
150																						
1	144.66 - 156.64 m <u>Altered Mafic Volcanic Tuff</u> cont'd														149.37	151.2	4905	1.83	.3	—	45	122
2															151.2	152.02	4906	0.92	NIL	NIL	39	106
3		1-2	0.0-0.1	0-1	5										152.02	152.79	4907	0.77	.3	NIL	60	43
4															152.79	153.77	4908	0.98	.2	NIL	38	94
															153.77	154.68	4909	0.91	.3	NIL	36	375
5															154.68	155.75	4910	1.07	.3	NIL	19	123
6													0.5	0	155.75	156.64	4911	0.89	1.1	NIL	23	992
7	156.64 - 158.04 m <u>Massive Sulphide Zone</u>	0-1	0.1	1-2	4-5	0	0	0	0	1-2	0	0.05	50	0	156.64	157.31	4912	0.67	6.6	NIL	97	568
8	* Note Molye @ 157.15 | 50% pyrite of 2 generations with minor graphite + Volc frag		0.6												157.31	158.04	4913	0.73	59	10 20	212	750
9	158.04 - 163.19 m <u>Altered Mafic Volcanic Tuff</u>												5-7	0	158.04	159.34	4914	1.30	.7	NIL	62	16[illegible]
160	mafic volcanic tuff has been silicified in many places and may have interlayered chert. Both silicified and cherty area have associated pyrite with local concentrations up to 30 percent. lower contact [illegible] Py-Qtz vein @ 45° CA	0-1	0.0-0.1	0-1	5	0	0	0	0	0	0	0	1-2	0	159.34	160.46	4915	1.13	.3	NIL	42	32[illegible]
1													1-2	0	160.46	161.57	4916	1.11	.7	NIL	42	41[illegible]
2													5-7	0	161.57	162.57	4917	1.00	NIL	NIL	56	118
3													10-15	0	162.57	163.19	4918	0.62	.3	NIL	83	84
4	163.19 - 163.87 m <u>Pyrite - Quartz Vein</u> - has botryoidal texture in pyrite suggesting pyrite growth in [illegible]	30	0.0-0.1	0-1	4-7	2-3	0	0	0	0	0.1	0	70	0	163.19	163.87	4919	0.68	1.3	NIL	186	169
	163.87 - 193.91 m <u>Altered Mafic Volcanic Tuff</u>												4-5	0	163.87	164.77	4920	0.90	.4	NIL	33	365
5																						
6	mafic volcanic tuff is strongly silicified in many places and in some has been replaced completely. Pyrite is significant over the first 0.90 metres but then decreases rapidly to less than 1 percent. Upper contact with the vein is @ 70° TCA. In a number of places ie 166.40 m we get granitic gneiss present. It appears to be intrusive [illegible] @ 16?.?? m																					
7																						
8													1-2	0	167.48	168.42	4921	0.94		NIL		
9																						
170																						

[illegible] than [illegible] m [illegible].

DRILL HOLE PROJECT **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 6 PAGE OF

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained diss—disseminated sfol, mfol, vfol—strong, medium, weak foliation qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 10–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % d—disseminated p—pervasive v—veined mv—microveined ch—stockwork cal	ank	ser	tour	gf	cp	capy	py	P_b	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHR
170	163.87 – 193.91 m Altered Mafic Volcanic Tuff																					
1	– unit continues																					
2	– unit from 170m on is still strongly silicified, with banding at 70 to 90° TCA																					
3	– veining consists of microveined quartz predominantly with general concentrations of 1–2 percent and occasionally up to 4–5%.				5-8	0	0	0	1-2	0	0	0	0.5	0	173.15	173.98	4922	0.83		NIL		
4																						
5																						
6	– garnets are present at 178.5 m to 179.80 m against a small section of grey granitic rock 5cm. The granite is brittle and below garnets.																					
7																						
8		1-2	0.6 – 0.1	0-2	5-17	0	0	0	0	0	0	0	0–25	0								
9	173.43 m – two small quartz veins 1-2 cm wide are present with tourmaline. These cut the core @ 70° and have 1-2% pyrite associated with them.																					
180													0.5	0	179.42	180.46	4923	1.04		NIL		
1																						
2																						
3																						
4																						
5	185.59 – 191.66 m – garnets are present in varying concentrations. The greatest abundance is at about 188.4 m																					
6													0.5-1	0	185.69	186.71	4924	1.02		NIL		
7													0.5-1	0	186.71	187.61	4925	0.90		NIL		
8																						
9																						
190																						

DRILL HOLE PROJECT **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 7 PAGE OF

DESCRIPTION

metres | cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

163.87 – 193.91 m Altered Mafic Volcanic Tuff

191.66 m to 193.91 m Epidote increases towards lower contact with porphyritic granodioritic gneiss. Epidote concentrations up to 20 %. Pyrite is disseminated and related to Epidote.

(Alteration & mineralization: See previous page for values)

193.91 – 221.12 m Granodiorite Gneiss / Foliated Granodiorite

Coarse grained granodiorite gneiss with phenocrysts up to 1 cm but normally 5 mm in size.
Composition is 60% felsic and 40% mafic minerals.
Felsic minerals predominantly consist of feldspars.
Mafic minerals include epidote, biotite and probably amphiboles.

Potassic Alteration || Color is pink-red near the contact and decreases to a pink-beige @ about 207 m. Color is more or less the same after that.

Large mafic xenolith is present between 195.94 – 196.48 m.
Several small mafic xenoliths occur in the area of 205.07 – 205.55 m.

Foliation → Foliation is more or less homogeneous across gneissic unit @ 1-2 but in places increases up to 5-7. These are at 204.37 m; 202.84 m; and 194 → 196.7 m.

% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py
1%	0.1 – 0.5 increase with depth	1-7	5-6	0	0	0-2	0	0	0	0	0

ALTERATION & MINERALIZATION % / SAMPLING

d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

py	Epidote	From (m)	To (m)	Sample #	Width (m)	Ag	Au ppb	Cu	Zn
2-3	5-10	191.59	192.93	4926	1.34		NIL /10		
1-2	5-6	192.93	193.91	4927	0.98		NIL		
.5	0	193.91	195.16	4928	1.25		NIL		
.5-1	0	196.18	197.04	4929	0.86	NIL	NIL	21	20
.5-1	0	198.27	199.47	4930	1.20	NIL	NIL	17	60
.5-1	0	202.63	203.50	4931	0.87	NIL	NIL	21	64
.5-1	0	207.05	207.79	4932	0.74	NIL	20	23	54
.5-1	0	208.93	209.93	4933	1.0	NIL	NIL	22	55

DRILL HOLE PROJECT CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE PAGE 8 OF

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained dies—disseminated sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % d—disseminated p—pervasive v—veined mv—microveined sk—stockwork cal	ank	ser	tour	gf	cp	espy	py		SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb		
210	193.91 – 221.12m Granodiorite Gneiss / Foliated Granodiorite																					
1																						
2																						
3																						
4																						
5																						
6																						
7														5-1	0	216.67	217.07	4935	1.0	NIL	10	24 44
8														5-1	0	217.07	218.07	4934	1.0	NIL	NIL	20 00
9																						
220																						
1																						
2	EOH																					
3																						
4																						
5																						
6																						
7																						
8																						
9																						
230																						

DRILL HOLE T-88-15 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 8, 1988 PAGE 1 OF 7

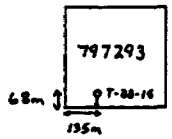
AREA GRID 7
CLAIM 797293
CORE SIZE BQ
DATE STARTED NOVEMBER 25, 1988
COMPLETED DECEMBER 3, 1988
CONTRACTOR DOMINIC
UNITS METRIC
COMMENTS

DEPTH	DOWNHOLE	VERTICAL
OVERBURDEN	85.62	
HOLE	200.0	

ELEVATION

CO-ORDINATES NORTHING 14+765
EASTING L 28+00E

LOGGED BY P. CASHIN
CHECKED BY Peter Cashin

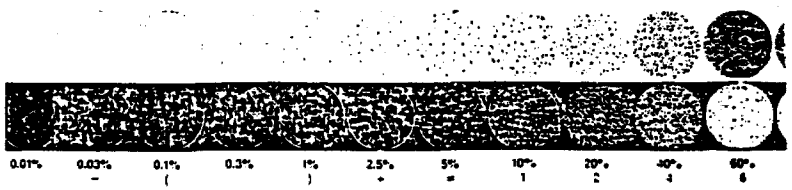


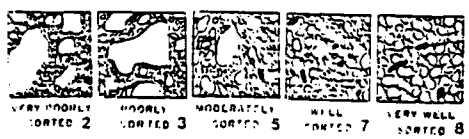
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
85.34		-48.3°	ACID TEST
121.91		-49.2°	" "

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The drillhole was planned to intersect a moderate NW-dipping conductor centred on line 28+00E at 16+00S. The conductor was explained by a graphite pyrite sulphide zone at 114.6 - 121.19. Subsidiary semi-massive to stringer sulphide-bearing sections were observed at 125.4 - 127.23, 132.13 - 132.75 and 133.35 - 139.03. All sulphide section is discriminated by pyrrhotite with less pyrite, chalcopyrite and magnetite.





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	86.22	OVERBURDEN
86.22	97.91	MASSIVE TO AMYGDALOIDAL MAFIC
97.91	99.25	BIOTITIC WACKE
99.25	105.22	MASSIVE TO AMYGDALOIDAL MAFIC
105.22	114.6	MASSIVE MAFIC VOLCANIC
114.6	121.9	GRAPHITE + SULFIDE ZONE
121.9	125.9	INTERMEDIATE TUFF/CHLORITIC WACKE
125.9	127.23	LITHIC TUFF
127.23	129.69	AGGLOMERATE
129.69	132.13	BIOTITIC WACKE
132.13	140.15	MAFIC AGGLOMERATE
140.15	160.13	MASSIVE TO AMYGDALOIDAL MAFIC
160.13	166.1	COBBLE CONGLOMERATE
166.1	168.1	MOTTLED BIOTITIC ANDCHLORITIC WACKE
168.1	177.97	PORPHYRITIC MAFIC VOLCANIC
177.97	200.0	COBBLE TO PEBBLE CONGLOMERATE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

4936 - 4981

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

ALTERATION & MINERALIZATION %
d—disseminated p—pervasive v—veined
mv—microveined sk—stockwork

80 0.0 – 85.62 – OVERBURDEN

85.62 – 105.2 Massive to Amygdaloidal Mafic Volcanic

Mafic to int., massive, medium green-grey rock with brownish-red mottling. Occasional interflow sedimentary layers at random. Amygdaloidal sections compose 5% of section, are up to 8mm in diameter and flattened @ 68° to CA. Predominantly calcite-filled. Coarse grained sections characterized by long, felted actinolite crystals up to 6mm. 50-55% intermixed plagioclase. <1% qtz-calcite veins, locally silicified, chloritized. 0.5% disseminated pyrite throughout.

97.91 – 99.25 – Biotite wacke - interflow sediment, contact @ 68° to CA. Fine grained, massive, brownish-red, biotite-rich. Occasional mafic flow fragments up to 4cm observed.

Interval	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Zn
85.62 – 105.2	0.5 - 1%	0.0 - 0.1	0	5 - 7	0.5-1%	0	0	0	0	0	0	0.3 d	0
97.91 – 99.25				4-5	0.03	0	0	0	0	0	0	0.03 p	0
				5-7	0.5-	0	0	0	0	0	0	0.5 D	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
87.0	88.0	4936	1.0		10		
90.1	91.1	4937	1.0		10		
96.0	97.0	4938	1.0		NIL		

DRILL HOLE T-88-15 PROJECT TWEED — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE December 8, 1988 PAGE 3 OF 7

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

100.16 – 101.33 – Core ground up on limonitic [illegible] to 0.5%-1% oxidized py/[illegible] microveinlets.

105.2 – 114.6 Massive Mafic Volcanic

Fine to medium grained, massive, dark to med green rock. Still observed interstitial plagioclases and felted [illegible] but generally non-amygdaloidal. <0.5% of calcite microveinlets 0.1-0.3% py, disseminated

114.6 – 121.19 – Graphitic + Sulfide Zone

Fine to aphanitic, massive to locally banded black to [illegible] exhalative horizon. Contains 70-75% black graphiteous sections, with 25%-30% non-graphiteous siliceous/tuffaceous bands. Banding where observed at 66° to CA. 0.5-1% qtz-calcite veins and microveinlets // foliation. 2-4% (f.g.) py, 1-2% pyrrhotite, 0.03% cpy as banded // and 2° band oblique microveinlets + streaks. [illegible]
[illegible]

Interval (m)	% veins	Mag. sus.	Shear int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	?
100.16 – 101.83					0.5	0	0	0	0	0	0	0.3 D	0
105.2 – 114.6	0.5-1%	0.0-0.1	0	5-7	0.03	0	0	0	0	0	0	0.1-0.3 D	0
114.6 – 121.19	2-5%	0.2-1.2	2-3	3-5	0.5	0	0	0	70-75%	0.03 MV	0	1-4% MV	1-2% MV

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	[illegible]	[illegible]
100.16	101.83	4939	1.67		NIL		
101.83	102.83	4940	1.0		NIL		
106.0	107.0	4941	1.0		NIL		
111.0	112.0	4942	1.0		NIL		
114.6	115.9	4943	1.3		NIL	82	482
115.9	116.6	4944	0.7		30	111	125
116.6	117.45	4945	0.85		20	159	99
117.45	118.45	4946	1.0		30/50	95	928
118.45	119.25	4947	0.8		10	71	338
119.25	119.85	4948	0.6		10	111	43

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

(metres 120 – 140)

119.85 – 120.65 – Non carbonaceous, only biotitic sandstone layer

121.19 – 125.9 <u>Intermediate Tuff / Chlorite Wacke</u>

[illegible] aphanitic [illegible], weakly foliated, med green grey to locally brownish grey 3-5% biotite / [illegible] [illegible] enhances foliation @ 65° to CA. Moderately calcareous pervasive <0.5% po-py veinlets

122.47 – Section contains 1-3% py-acicular actinolite as described in 85.62 – 105.2 May be included mafic fragments? 0.5-1% bond ‖ po. 0.3% py microveinlets

123.7 – 124.65 Mafic Lithic Tuff! Contains large sub-angular to sub-rounded [illegible] / [illegible] Wacke frags up to 6 cm in a chlorite-actinolite mafic [illegible] + 5% qtz-calc [illegible] veinlets ⊥ fragment stretching [illegible] (stretching @ 65° to CA). 1-3% [illegible] ‖ to band oblique po microveinlets. 0.5% py

125.9 – 127.23 <u>Lithic Tuff</u> – Foliated, composed of 10% [illegible], calcareous chert frags up to 5 cm. Flattened ‖ foliation @ 70° to CA. 3-10% [illegible] foliation ‖ and [illegible] [illegible] [illegible] and veinlets in qtz-calc [illegible]. 1-2% [illegible] [illegible] [illegible], occasional [illegible], fine grained mafic volcanic fragment

127.23 – 129.69 – <u>Agglomerate</u> As at 125.9 – 127.23 but contains predominantly [illegible] intermediate volcanic fragments [illegible] sub-[illegible] [illegible] [illegible] [illegible] chloritic siliceous matrix 0.5-2% po [illegible] microveinlets, 1-3% disseminated magnetite throughout. Trace amounts of emerald green phyllosilicate (plating fracture surfaces (fuchsite?)

129.69 – 132.13 – <u>Biotitic Wacke</u>
As at 97.71 – 99.25, 0.5% qtz-calcite microveinlets with 3 mm chloritic selvages.

132.13 – 140.15 – <u>Mafic Agglomerate</u>
As T 127.23 – 129.[illegible] [illegible] 5% - 10% [illegible] [illegible]

Alteration & Mineralization

% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	po
0.5	0.1-0.2	– / 2	4 / 3.5	0 / 0.5	0 / 0	0 / 0	0 / 0	0 / 60	0 / 0.01	0 / 0	0.3 / 0.5	0 / 1-2
0.5-1	0.1-0.2	0-1	3.5	2-4	0	0	0	0	0	0	0.3 D	0.3 D
1-3%	1.8	2	3-4	0.5	0	0	0	0	0	0	0.3 MV	1-3% MV
0.5-1%	0.1	2	4.5	0.5	0	0	0	0	0	0	0.3 MV	0.3 MV
0.5	0.1											
3-10%	1.2-6.1	4	5-7	5-8	0	0	0	0	0	0	0	3-10 MV
0.5-2%	1.4-18	4	4-5	0.5-1	0	0	0	0	0	0	0.1 D	0.5-2% MV
0-0.3%	0.0-0.1	0-1	3-5	0.5	0	0	0	0	0	0	0	0.03 D
10-15	3.5	2-3	4-8	3-5	0	0	0	0	0	0	0.5	5-10
0.5-1	0.0-0.1	2-3	3-4	0.5-2	0	0	0	0	0	0	0	0.5
3-5	0.7-3.0	2-3	4-6	2-4	0	0	0	0	0.03	0	0.5	0.5-5 MV, D
0.5-1%	0.0-0.1	2-3	3-4	0.5-2%	0	0	0	0	0	0	0	0.5 MV, D

SAMPLING

From (m)	To (m)	Sample #	Width (m)	[illegible]	Au ppb	[illegible]	[illegible]
119.85	120.65	4949	0.8	–	NIL	[illegible]	144
120.65	121.19	4950	0.54		17	10	4[illegible]
123.7	124.65	4951	0.95	NIL	NIL	17	48[illegible]
124.65	125.9	4952	1.25	NIL	NIL	104	84
125.9	127.23	4953	1.33	NIL	10	59	44
127.23	128.03	4954	0.8	NIL	NIL	30	28
128.03	128.73	4955	0.7	NIL	NIL	37	20
128.73	129.23	4956	0.5	NIL	NIL	57	75
132.13	132.75	4957	0.62	.3	NIL	119	104
132.75	133.33	4958	0.58	NIL	NIL	19	105
133.33	134.33	4959	1.0	NIL	NIL	63	27[illegible]
134.33	135.23	4960	0.9	.2	NIL 10	37	57
135.23	136.03	4961	0.8	NIL	NIL	65	58
136.03	137.03	4962	1.0	NIL	NIL	42	26
137.03	138.03	4963	1.0	NIL	NIL	35	39
138.03	139.03	4964	1.0	NIL	NIL	49	75
139.03	140.15	4965	1.12	NIL	NIL	102	64

DRILL HOLE T-88-15 PROJECT TWEED **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE December [illegible] PAGE 5 OF –

DESCRIPTION

cg, fg, mg–coarse, fine, medium grained; diss–disseminated
sfol, mfol, wfol–strong, medium, weak foliation; qzvn–quartz vein

metres: 1-0 … 160

Blocky dust [illegible] to 5cm, 15-20% [illegible] mafic volcanic frags up to 6cm. 0.5-1% [illegible] [illegible] [illegible] up to 5cm, 3-15% [illegible] [illegible] [illegible] by [illegible] Carbonatized Mg & Fe-chlorite rich [illegible] [illegible] [illegible] grained up to 2mm at [illegible] Frags flattened @ 45° to CA. 0.5%-2% py-po throughout.

132.13 – 132.75 – 20% po, 0.1% py as massive breccia cement and as discordant microveinlets. Rock is Mg-chl altered. Moderately carbonatized.

133.33 – 136.03 – Mg-chl, carbonate altered section w/ 0.5-5% po, 0.5% py, 0.03% cpy as foliation oblique veinlets and as disseminations.

140.15 – 162.13 <u>Massive to [illegible] Mafic Volcanic</u>

As at 85.62 – 105.2, but only weakly [illegible] [illegible] ([illegible] section). Locally foliated sections at random, may be sheared volcanics or laminated tuff sections.

146.93 – 147.85 – Sheared Mafic Volcanic / Tuff section. Foliation moderately developed @ 65° to CA. Weakly carbonatized. Trace sulfides.

154.35 – 154.7 – Brown patchy hematization in association with 0.5%-1% qtz-calcite microveinlets ∥ foliation & 0.5% fine dissem py.

155.5 – Section becoming more amygdaloidal w/ 5-10% calcite-chlorite filled amygdules. Show weak stretching.

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	
0.1-0.5	0.0-0.1	0	4-5	2.5-2	0	0	0	0	0	0	0.3-0	0

ALTERATION & MINERALIZATION %: d–disseminated, p–pervasive, v–veined, mv–microveined, sk–stockwork

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
144.0	145.0	4966	1.0		NIL		
148.0	149.0	4967	1.0		NIL		
151.0	151.8	4968	0.8		NIL		
152.8	153.4	4969	0.6		NIL		
154.35	155.0	4970	0.65	NIL	NIL	74	46
158.0	159.0	4971	1.0		NIL		

DRILL HOLE T-83-15 PROJECT TWEED **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE December 8, 1983 PAGE 6 OF

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

Massive to Amygdaloidal Mafic Volcanic

162.13 - 166.1 Cobble Conglomerate

fg, massive matrix supported, reddish-brown with dark green mottlings. Composed of large cobble to, in places, boulder-sized [illegible] amygdaloidal mafic volcanics up to 20 cm. Matrix is fg to aphanitic, biotitic wacke. Grading in sedimentary texture indicates younging to the south (down hole).

Fragment size becoming smaller down hole.

166.1 - 168.1 Mottled Biotite to Chlorite Wacke

fg to aphanitic mottled reddish-brown and med green sed. Bedding / foliation @ 65° to CA.
166.47 - 167.0 - 5-10% qtz-carb-tour veining @ 50-55° to CA 0.5% py, 0.1% cpy.
Lower contact sharp @ 55° to CA.

168.1 - 177.97 Massive Porphyritic Mafic Volcanic

fg to aphanitic, massive, dark green with red-brown mottling. Contains from 5-10% small euhedral to subhedral feldspar phenos up to 2mm in a fg mafic matrix. Local coarser grained chlorite-rich sections at random. 0.5-1% qtz-calcite veins. 0.1-0.5% fg disseminated py throughout.

177.97 - 200.0 Cobble to Pebble Conglomerate

As at 162.13 - 166.1

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)

Unit	% veins	Mag. sus.	Shear int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
Massive to Amygdaloidal Mafic Volcanic	0.1–0.5	0.0–0.1	0	4.5	0.2–2	0	0	0	0	0	0	0.3	
Cobble Conglomerate	0.5–5	0–0.1	0–1	3–5	0.5–1	1	0	0	0	0	0	0.5	0
Cobble Conglomerate (lower)	0–5%	0.0–0.1	0–1	3–5	0.5	0	0	0.1	0	0.1 MV	0	0.5 MV	0
Massive Porphyritic Mafic Volcanic	0.5–1.0	0.0–0.1	0–1	3–5	0.1–0.5	0	0	0	0	0	0	0.3 MV	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb
161.0	162.0	4972	1.0	NIL
166.1	167.0	4973	0.9	NIL
170.0	171.0	4974	1.0	NIL
175.0	176.0	4975	1.0	NIL
179.0	180.0	4976	1.0	10

DRILL HOLE [illegible] PROJECT [illegible] CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE [illegible] PAGE 7 OF –

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

metres	Description
180	[illegible]
1	Generally is clast supported with 25-30% cobble to pebble sized, amygdaloidal mafic volcanic clasts up to 10 cm in a biotite wacke matrix
7	Matrix found to be increasingly replaced by sericite downhole
196	196.0 – Sedimentary matrix generally all chlorite
198	198.4 – 199.0 – large white qtz-ankerite vein @ 12° to CA
200	200.0 - End of Hole

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	?
0.1-0.3	0.0-0.1	0-1	4-6	0.1-0.3	0	0	0	0	0	0	0.3-0	0

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
184.0	185.0	4977	1.0		NIL		
185.0	185.6	4978	0.6		NIL		
188.0	189.2	4979	1.2		NIL		
194.0	195.0	4980	1.0		10		
198.2	199.0	4981	0.8		NIL		

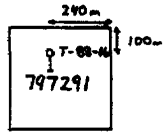
DRILL HOLE T-88-16 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December [illegible] PAGE 1 OF [illegible]

AREA GRID 7
CLAIM 797291
CORE SIZE BQ
DATE STARTED December 4, 1988
DATE COMPLETED December 6, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS Hole stopped at 181.65 due to seizing of rods by graphitic horizon

DEPTH	DOWNHOLE	VERTICAL
OVERBURDEN	52.21 m	
HOLE	181.65 m	
ELEVATION		

CO-ORDINATES NORTHING 21+75S
EASTING L 28+00E

LOGGED BY P. CASHIN
CHECKED BY P. Cashin

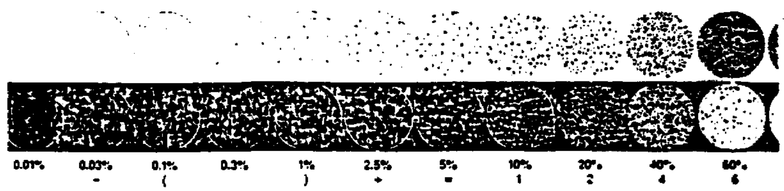


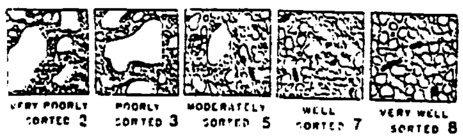
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
60.96 m		-49.5°	ACID TEST

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to drill test a strong regional E-W to NE-SW conductor, obtained on L28+00E/23+00S by Max-Min. The feature was explained in core as a weak grade graphite + sulphide zone at 145.07 - 159.07. The zone contained from 3-5% vfg to fg py as foliation parallel and oblique veinlets and microveinlets. Quartz carbonate flooding veins were intersected at 166.41-167.19 and 168.06-168.22 and contained 0.5-1% sphalerite, 0.1-0.5% fg py and 0.1% po.





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	52.21	OVERBURDEN
52.21	54.09	BIOTITIC LITHIC WACKE
54.09	57.43	COARSE GRAINED BIOTITIC WACKE
57.43	130.18	BIOTITIC LITHIC WACKE
130.18	133.39	CHLORITIC LITHIC WACKE
133.39	135.7	COARSE GRAINED BIOTITIC WACKE
135.7	145.07	LITHIC ARKOSE
145.07	159.07	GRAPHITE + PYRITE ZONE
159.07	181.65	LITHIC ARKOSE/CONGLOMERATE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

5026 - 5068

DRILL HOLE T-88-16 PROJECT TWEED

CHEVRON MINERALS LTD. DIAMOND DRILL LOG

DATE December 9 198[illegible] PAGE 2 OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

0.0 – 52.21 – OVERBURDEN

52.21 – 130.18 Biotite Lithic Wacke

Massive, m to f aplanitic, brownish green, locally [illegible] contorted 5-10°, [illegible] [illegible] at [illegible] [illegible] [illegible] up to 5cm. 0.3-[illegible] [illegible] [illegible] up to 2cm, 1-3% lithic feldspar [illegible] frags up to 3mm. Matrix is fine [illegible] [illegible] and composed of 70% biotite, 30% [illegible]. [illegible] fragments flattened @ 68° to CA. Lithic frags [illegible] [illegible] carbonatized (calcite). 0-0.1% fine [illegible] py at random. Cut by 0.5-1% qtz-calcite veinlets & stringers.

54.09 – 57.43 – Coarser grained phase of above unit or [illegible] [illegible]. Matrix composed of 75-80% fine to [illegible] [illegible] and 20-25% [illegible] biotite [illegible], 15%-20% [illegible] chlorite after [illegible] crystals up to 8mm, felted texture, 3-5% red-brown [illegible] to [illegible] garnets up to 4mm. Matrix [illegible] to highly calcareous. Upper contact with [illegible] [illegible] sharp @ 50° to CA. 0.1-0.3% [illegible] [illegible] py.

% Veins: 0.5-1% (52–70 m); Mag. Sus.: 0-0.1 (52–70 m); Shear Int. (0-10): 0-1 (52–70 m)

ALTERATION & MINERALIZATION %

d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

metres	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	
53	3-5	0.5-2	0	0	0	0	0	0	0-0.1% D	0
56	5-7	3-5	0	0	0	0	0	0	0.1-0.3 D	0
64	3-5	0.5-2	0	0	0	0	0	0	0-0.3% D	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t
53.0	54.0	5026	1.0	NIL	10/NIL	
56.0	57.0	5027	1.0	NIL	10	
60.0	61.0	5028	1.0	NIL	NIL	
64.0	65.0	6029	1.0	NIL	NIL	
68.0	69.0	5030	1.0	NIL	10	

DRILL HOLE -88-16 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 9, 1988 PAGE 3 OF

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0—10	HARDNESS 0—10	cal	ank	ser	tour	gf	cp	aspy	py	Pz	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG	Au ppb	Au oz/t
70	Biotite Lithic Wacke	0.5-1%	0.0-0.1	0-1																	
1																					
2																					
3					3-5	0.2-2	0	0	0	0	0	0	0.0-0.1	0							
4															74.0	75.0	5031	1.0	NIL	20	
5	75.12 - 75.9 - Finer grained phase a rock described at 54.03 - 57.43. Weakly calcareous. P.D.O moderately developed @ 55° to CA				5-7	0.5-1	0	0	0	0	0	0	0.0-0.1	0							
6																					
7																					
8																					
9	78.8 - 79.13 - Foliation moderately to well developed @ 63° to CA.														78.5	79.5	5032	1.0	NIL	NIL	
80																					
1																					
2					3-5	0.3-0.5	0	0	0	0	0	0	0.0-0.3	0							
3															83.0	84.0	5033	1.0	NIL	NIL	
4																					
5																					
6																					
7																					
8																					
9															88.0	89.0	5034	1.0	NIL	NIL	
90																					

DRILL HOLE T-82-16 PROJECT TUCCO

CHEVRON MINERALS LTD. DIAMOND DRILL LOG

DATE December 9, 1982 PAGE 9 OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

Biotite Lithic Wacke

96.45 - 97.55 — Weakly sericitized, intensely fluted 0.1-0.3 mm fg

104.7 — 108.67 — Coarser grained section as described at 54.01 - 57.93

metres	% VENS	MAG. SUS.	SHEAR. INT. 0-10	HARDNESS 1-10	ALTERATION & MINERALIZATION % d—disseminated mv—microveined p—pervasive v—veined sk—stockwork: cal	ank	ser	tour	gf	cp	sspy	py	Au
90													
1													
2													
3													
4					0.1-0.3	0	0	0	0	0	0	0.1-0.3	0
5													
6													
7	0.3 - 0.5	0.5 - 0.1	0 - 1	5.6	0.1-0.3	0	0.1	0	0	0	0	0.1-0.3	0
8													
9													
100													
1													
2													
3													
4				5.5	0.1-0.3	0	0	0	0	0	0	0.1-0.3	0
5													
6													
7													
8													
9													
110													

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Au oz/t
95.45	96.45	5035	1.0	NIL	NIL	
96.45	97.35	5036	0.9	NIL	NIL	
100.0	101.0	5037	1.0	NIL	NIL	
101.0	102.5	5038	1.5	NIL	NIL	
102.0	103.0	5039	1.0	NIL	NIL	
109.2	110.2	5040	1.0	NIL	NIL	

DRILL HOLE T-88-16 PROJECT [illegible] **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE [illegible] PAGE [illegible] OF [illegible]

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained · diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation · qzvn—quartz vein

BIOTITIC LITHIC [illegible]

110.2 - 112.3.0 - V.[illegible] section composed of 1-3% [illegible] from [illegible] ... [illegible] My - chl, 15% [illegible] clusters (brownish - green) up to 2cm, 0.5% - 1% [illegible] ... [illegible] ... [illegible] ... 3% calcite - qtz [illegible] veinlets 0.5 - 1% [illegible]

112.3 - 114.0 - Massive fg biotite wacke

114.0 - 115.12 - As described at 110.2 - 112.3

120.2 - 1 - 121.32 - 15% grey-white qtz - calcite veining 35% [illegible] CA - 0.5 - 10.5% [illegible] py ... fracture filling qtz chl - carb microveinlets. 0.1 - 0.3% py, 0.1% po.

122.7 - 124.93 - Section weakly to moderately silicified 5-10% small, white [illegible] feldspar clasts up to 15mm - Lithic arkose. 3-5% qtz - carb - chl stockwork MV. 0.1 - 0.3% fg py [illegible] up to 2% py

metres	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	?	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Au oz/t	
110-112.3	0.3-0.5	0.0-0.1	0	2-4	1-3	[illegible]	0	0	0	[illegible]	0	0.5-[illegible]	0	110.2	111.2	5041	1.0	.2	NIL		
														111.2	112.3	5042	1.1	.6	NIL		
112.3-114.0	[illegible]	0.0-0	0	3-[illegible]	0-0.1	0	0	0	0	[illegible]	0	[illegible]	0	112.3	114.0	5043	1.7	NIL	NIL		
114.0-115.12	0.3-0.5	0.0-0.1	0	2-4	1-3	[illegible]	0	0	[illegible]	[illegible]	0	0.5-1% [illegible]	0	114.0	115.12	5044	1.12	.2	NIL		
117-118	0.5-1%	0.0-0.1	0	3-5	0.1-0.5	0	0	0	0	0	0	0.0-0.3 0	0								
120.2-121.32	15	0.0-0.1	0	4-6	0.5-2	0	0	0	0	0.1-0.3 mv	0	0.3-0.5 mv	0.1 mv	120.2	121.4	5045	1.2	NIL	NIL		
121.4-122.7	0.05-0.3	0.0-0.1	0-1	3-5	0.1-0.3	0	0	0	0	0	0	0.0-0.3 mv	0	121.4	122.7	5046	1.3	NIL	NIL		
122.7-124.93	3-5	0.0-[illegible]	0-1	5-7	0.1-0.5	0	0	0	0	0	0	0.3-1% [illegible]	0	122.7	124.18	5047	1.48	.3	NIL		
														124.18	124.93	5048	0.75	NIL	NIL		
127-128	0.5-1%	0.0-0.1	0	4-6	0.1-0.5	0	0	0	0	0	0	0.1-0.3 mv 0	0								
														128.0	129.0	5049	1.0	NIL	NIL		

DRILL HOLE T-88-16 PROJECT [illegible] **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE December [illegible] 1988 PAGE 6 OF [illegible]

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	[illegible]	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb
130.0–134	130.13 – 133.39 – [illegible] [illegible] massive. Composed of dark [illegible] grey chert fragments up to [illegible] [illegible], are fractured and [illegible] [illegible] 1.5–2% [illegible] [illegible] 1–3% fine [illegible] [illegible]	0.5–1.5	0.0–0.1	0	4–6	0.1–0.3	0	0	0	0	0	0	0.1–0.3	0	130.0	131.0	5050	1.0	NIL	NIL
134–135.7	133.39 – 135.7 – Coarse Grained [illegible] As described at 110.2 – 112.3 [illegible]	0.1–0.3	0.0–0	0–1	3–4	0	0	0	0	0	0	0	0.0–0.1	0	134.0	135.0	5051	1.0	.8	NIL
135.7–145	135.7 – 145.07 [illegible] [illegible], massive dark grey-green, weakly to moderately silicified, 0.5–1% qtz-calcite [illegible] fracture fillings at 20° to CA, contain 0.5–1% [illegible] py 136.6 – 1 cm [illegible] [illegible] py veinlet @ 40° to CA	0.1–0.3	0.0–0.1	0–1	4–6	0.1–0.3	0	0	0	0	0	0	0.1–0.3	0	136.0	137.1	5052	1.1	1.7	NIL
															137.1	138.0	5053	[illegible]	NIL	10
145–150	145.07 – 159.07 – Graphite + Pyrite Zone Black, aphanitic, strongly [illegible] high grade graphite. Contains 5–15% highly sericitized [illegible] [illegible], wallrock fragments up to 3 cm. Highly stretched. Foliation @ 51° to CA and 3% qtz vein fragments [illegible] and [illegible] frags contain 3–5% [illegible] [illegible] foliation and [illegible] veinlets & stringers). Highly broken up and ground core	5–8	0.0–0.1	5–5	2–3	0.3–0.5	0	0	0	85–95	0	0	3–5 MV	0	145.07	148.13	5054	3.06	.8	10
															148.13	151.17	5055	3.05	.5	NIL

DRILL HOLE T-88-16 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE [illegible] PAGE 7 OF [illegible]

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

metres 150–170

159.07 — 181.65 Lithic Arkose / Conglomerate

Fg to vcg brownish grey massive to weakly bedded @ 75° to CA, locally conglomeratic. Matrix is feldspar crystal-rich (15-20% up to 2mm). 3-5% biotite wacke clasts up to 2cm, 1-3% rounded quartzite wacke & arkose frags up to 2cm. Matrix carbonatic, biotite-rich. 0.1-0.3% fg dissem py throughout. 0.5-1% calcite mv at 0 & 35° to CA. Locally fg biotite wacke bands up to 5cm. 3-5% round blue qtz clasts up to 1.5mm. Flattening aspect ratio 8.25:1.

166.41 — 167.19 — 95% Fracture flooding grey quartz-white calcite veining w/ 0.1-0.5% fg py, 0.5-1% chocolate brown fg sphalerite, 0.1% po. Veinlets @ 5° to CA. (→ Sphalerite] aff.1, chocolate brown, red-brown streak)

168.06 — 168.22 — Qtz-calcite vein as at 166.41-167.19 but contains 0.1-0.5% fg py, 0.1% po, 2% sphalerite

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)

metres	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
154	5-8%	-0.1	4-5	2-3	0.3-0.5	0	0	0	85-75	0	0	3-5 mv	0
163	0.3-0.5	0.0-0.1	0-1	4-6	0.3-1%	0	0	0	0	0	0	0.5-1% mv, 0	0
166.41–167.19	95	0.0-0.1	0	6-8	FZ	0	0	0	0	0	0	0.1-0.5 mv	0.1% 0
167.19–168	0.3-0.5	0.0-0.1	0-1	4-6	0.3-1%	0	0	0	0	0	0	0.1-0.30	0
168.06–168.22	90	0.0	0	6-8	F-Z	0	0	0	0	0	0	0.1-0.5	0.2

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	
148.13	151.17	5055	3.05				
151.17	154.22	5056	3.05	.4	20/30		
154.22	156.0	5057	1.78	.3	NIL		
156.0	157.0	5058	1.0	NIL	NIL		
157.0	158.0	5059	1.0	.2	NIL		
158.0	159.07	5060	1.07	.2	NIL		
163.0	164.0	5061	1.0	NIL	NIL		
166.41	167.19	5062	0.78	NIL	NIL		5
167.19	168.0	5063	0.81	NIL	NIL		7
168.0	168.5	5064	0.5	NIL	NIL		1
168.5	169.0	5005	0.5	NIL	20		15

DRILL HOLE T-88-16 PROJECT [illegible] **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE December 9 198[illegible] PAGE [illegible] OF

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained; diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork cal / ank / ser / tour / gf / cp / aspy / py
170	Lithic Arkose / Conglomerate					
181.65	181.65 – End of Hole					

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	A[illegible]	Au ppb	[illegible]	[illegible]
171.0	172.0	5066	1.0	NIL	NIL		[illegible]
175.0	176.1	5067	1.1	[illegible]	NIL		[illegible]
178.8	180.1	5068	1.3	NIL	NIL		16

DRILL HOLE T-88-17 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 8, 1983 PAGE 1 OF 7

AREA GRIDS
CLAIM 798679
CORE SIZE BQ
DATE STARTED December 5, 1983
COMPLETED December 6, 1983
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

	DOWNHOLE	VERTICAL
DEPTH OVERBURDEN	22.55 m	
HOLE	123.74 m	
ELEVATION		

CO-ORDINATES NORTHING 22+00N
EASTING L17+00E

LOGGED BY P. Brisson
CHECKED BY Peter Coslin

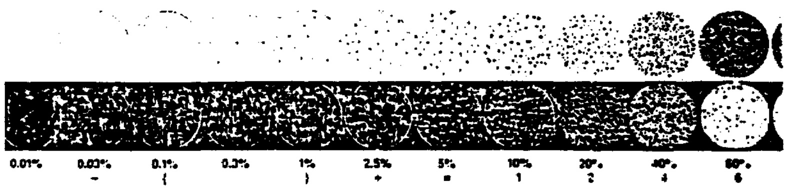
798679
T-88-17
55m
65m

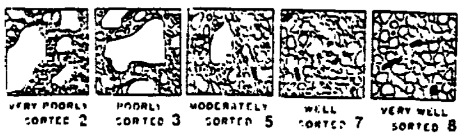
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
22.55 m		-47.5°	
52.75 m		-44°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to extend the previous cross-section intersected in T-83-9 in which a deformation zone at the interface of amphibolites to the north and sediments to the south. Sulphide-bearing quartz-carbonate veining was intersected in that area. The lithologic interface was confirmed but extension and degree of structural deformation was observed to be low.





GEOLOGY SUMMARY

FROM	TO	UNIT
.0	22.55	OVERBURDEN
22.55	35.75	AMPHIBOLITE SCHIST
35.75	44.67	MAGNETIC AMPHIBOLITE SCHIST
44.67	59.97	MASSIVE MAFIC INTRUSIVE
59.97	61.03	Fine Grained Mafic Dyke
61.03	75.90	AMPHIBOLITE SCHIST
75.9	84.4	SHEARED AMPHIBOLITE
84.4	99.9	CHLORITIC WACKE
99.9	102.0	POTASSIC FELDSPAR PORPHYRY
102.0	109.83	CHLORITIC WACKE / MAFIC TUFF
109.83	123.74	BIOTITIC WACKE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
4982 - 5025

DRILL HOLE 83-17 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December [illegible] 1983 PAGE 2 OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

20.0 – 22.55 – OVERBURDEN

22.55 – 35.75 **Amphibolite Schist**

Fg to mfg, massive to moderately schistose, dark [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] @ 77° to CA. 0.5% qtz-calcite [illegible] veinlets w/ 0.5-1% py @ 60° to CA, oblique to schistosity. Qtz-calcite microveinlets w/ 0.3-0.5% [illegible] @ 20° to CA cut by [illegible]-quartz vein set. 5-10% clastic feldspar grains up to 11mm; 5% sericitized lithic frags(?) to 2mm. [illegible] Occasional small(?) pegmatitic section at random, rare

31.1 – 31.2 – **Intermediate Feldspar Porphyry**. porphyritic composed of 15-25% euhedral to subhedral feldspar crystals up to 3mm, have fuzzy boundaries. 1-3% fine grained [illegible] in [illegible] groundmass. Contacts sharp, oblique to schistosity @ 90° to CA.

35.75 – 44.67 – **Magnetic Amphibolite Schist**

As described but contains from 0.5-3% fine clastic magnetite grains throughout. Local epidotized fragments at random; 0.5-1% qtz-calcite microveinlets and veins @ random CAs. Hematite present observed on fracture set @ 20° to CA. 0.5-1% fine dissem and qtz-calcite microveinlets.

% VEINS / MAG. SUS. / SHEAR INT. / HARDNESS / ALTERATION & MINERALIZATION %

d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	?
22.55–35.75	0.5-1	0.0-0.2	1-2	4-6	0.1	0	0	0	0	0	0	0.3 / 0	0
31.1–35.75	2-6-1		1-2	4-6	0.1	0	0	0	0	0	0	0.3 / 0.5 / 0	0
35.75–44.67	0.5-1	0.4-6.1	1-2	4-6	0.05	0	0	0	0	0	0	0.5-1 / 0, md	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
25.0	26.0	4982	1.0	NIL	NIL	9	—
30.0	31.0	4983	1.0	NIL	NIL	28	—
32.3	32.9	4984	0.6	NIL	NIL	50	
37.0	38.0	4985	1.0	NIL	NIL	73	
38.0	39.0	4986	1.0	NIL	NIL	45	
39.0	40.0	4987	1.0	NIL	NIL	81	

DRILL HOLE T-88-17 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 8, 1988 PAGE 3 OF

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	?	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu
0–4	... weak potassic feldspar porphyry intrusives @ 40.42–40.55, 42.13–42.67, 43.4–43.5. Contacts ... @ 65° to CA, ...	0.5–1%	1–6	1–2	4–6	[illegible]	0	0	0	0	0	0	[illegible]	0	43.0	44.0	4988	1.0	NIL	NIL	64
4	44.55–44.60 – 2% qtz-calcite veinlets @ 40° to CA 0.5–1% py, 1–2% mt.																				
5–50	44.67 – 58.97 Massive Mafic Intrusive (Gabbro). Very fine to medium, massive, dark green to greenish-grey. Chilled over upper 1.0 metres. Characterized by presence of 5–10% speckled chlorite clots after pyroxene grains up to 3mm. Matrix composed predominantly of plagioclase and interstitial ... Contact with magnetic amphibolite ... <0.5% qtz-calcite microveinlets. Locally moderately to strongly foliated sections appear similar to amphibolite schist previously described.	0.3–0.5	0.1–0.7	0–1	5–6	0	0	0	0	0	0	0	0	0	48.0	49.0	4989	1.0	NIL	10	85
50	50.26–50.40 – Small feldspar porphyry @ 81° to CA.																				
51	50.65–51.2 – Slightly magnetic section bearing 0.5% fg mt, dissem...	0	0.4–0.9	1–2	5–6	0	0	0	0	0	0	0	0.5 mv,d	0	50.65	51.2	4990	0.55	NIL	NIL	
		0.3–0.5	0.1–0.4	0–1	5–6	0	0	0	0	0	0	0	0	0.1	51.2	51.95	4991	0.75	NIL	NIL	
52	51.95–52.65 – 70% Potassic Feldspar Porphyry as observed at 31.1–31.2. 5% fg biotite, pervasive throughout. 0.5–1% disseminated py, 0.1% cpy. Weakly ...	0.5	0.0	0–1	7–8	0	0	0.5	0	0	0.1	0	0.5–1	0	51.95	52.65	4992	0.7	NIL	NIL	
53–56		0.5–1.0%	0.1–0.3	1–2	5–6	0	0	0	0	0	0	0	0.3 mv,d	0	56.0	57.0	4993	1.0	NIL	10/NIL	
57	57.12–57.72 – Feldspar Porphyry Intrusive. Contacts sharp @ 85° to CA. Local potassic altered sections.	0.3–0.5	0.1	0	7–8	0	0	0.3	0	0	0.1	0	0.5–1	0							
58		0.5–1	0.0	1–2	5–6	0	0	0	0	0	0	0	0.3	0							
59	58.55 – 58.95 – Feldspar Porphyry Intrusive. Contacts @ 80° to CA	0.5	0.1	0	7–8	0	0	0.5	0	0	0.1	0	0.5	0							
60		0.5–1	0.2	1–2	4–6	0	0	0	0	0	0	0	0.3	0							

DRILL HOLE T-88-17 PROJECT TWEED **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE December 8, 1988 PAGE 4 OF

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained; diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	D	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb		
	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)														SAMPLING							
60	59.97 – 61.03 – Fg, massive mafic dyke. Upper contact [illegible], @ to 60° to CA	0	0.0	0	4.5	0	0	0	0	0	0	0	0.05 D	0	59.95	61.03	4994	1.08	NIL	NIL		
1																						
2	61.03 – 75.90 Amphibolite Schist																					
3	As described @ 22.55 – 35.75	0.5 – 1	0.05 – 0.1	1-2	4.5	1-1	0	0	0	0	0.1	0	0.3	0								
4																						
5	65.4 – 67.1 – Section [illegible] mafic/intermediate [illegible] 3-5% qtz-carb-tour and [illegible] veining // [illegible] foliation @ 30° to CA. 0.5-2% [illegible] py, 0.3-0.5% [illegible] foliation // [illegible] 5-10% intermediate feldspar porphyry section // to [illegible]																					
6		3-5	0.4 – 7.3	3-4	4.5	0.5	0	0.5	0.3	6	0	0	0.5 – 2	0	65.4	66.4	4995	1.0	NIL	NIL		
7															66.4	67.1	4996	0.7	NIL	NIL		
8																						
9																						
70																						
1	71.45 – 2 cm white qtz-tour-carb vein @ 45° to CA. 0.5% fg py, 0.1% aspy	0.5 – 1	0.1 – 0.4	1-2	4.5	0.1	0	6	0	6	0	0	0.3 v	0	71.0	71.6	4997	0.6	NIL	NIL		
2																						
3																						
4																						
5																						
6																						
7	75.90 – 84.4 Sheared Amphibolite														75.9	77.0	4998	1.1	NIL	NIL		
8	Strongly developed shear foliation, highly contorted. Highly deformed, weakly epidotized, equivalent of above lithology. 0.5-2% qtz-calcite [illegible] epidote veining, early vein phase [illegible] folded. 0.5-1% fg [illegible] py, 0.1% aspy and as veins + microveinlets. 0.3% [illegible] at random	0.5 – 2?	0.0 – 1.0	4-5	4-6	0.3	0	0	0.1	0	0.1 mv, D	0	0.5 – 1 mv, D	0	77.0	78.0	4999	1.0	NIL	NIL		
9															78.0	79.5	5000	1.5	NIL	NIL		
80															79.5	80.5	5001	1.0	NIL	NIL		

DRILL HOLE T-83-17 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE December 8, 1983 PAGE 5 OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

0.3% qtz-carb-calcite veins at random throughout @ 35° to CA; fracture cleavage

Foliation becoming less well developed towards

84.4 – 99.9 Chlorite Wacke

fg to vfg, light green to green grey, massive to locally banded. Composed generally of chlorite-rich bands with occasional biotitic bands at random. Banding @ 82° to CA. 0.5-1% qtz-calcite veins and microveinlets in foliation ∥ features. 0.3% foliation ∥ calcite microveinlets @ 40° to CA.

90.55 – 92.65 Strongly foliated section. Defined by alternating chlorite-rich and calcite-rich bands @ 82° to CA. Biotite-rich bands observed in some calcite rich section. Calcite-rich sections host 0.5-1% py, 0.3-0.5% intercalated with chlorite and calcite flooded fault gouge @ 91.82–92.23

93.61 – 93.72 – Strongly Z-folded qtz-carb epidote vein w/ strongly epidote altered selvages.

95.62 – 96.22 – More strongly foliated section w/ 1-2% foliation ∥ py mv and qtz-carb-chl gouge

98.05 – 98.4 – Plagioclase Feldspar Porphyry

98.4 – 99.9 – Section moderately epidotized w/ 1-3% blue grey qtz veining. 0.3-0.5% diss py microveinlets. Local Bleached, ... late fractures @ 10° to CA.

ALTERATION & MINERALIZATION %

d—disseminated p—pervasive v—veined mv—microveined sk—stockwork

% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
0.5-2	0.0-0.4	4-5	3.5	0.5	0	0	0	0	0.1 mv,d	0	0.5-2% mv,d	
		2-3										
0.5-1%	0.0-0.3	1-3	3-5	0.3	0	0	0	0	0	0	0.1 mv	0
1-3%	0.2-6.1	4-6	3-5	0.5-1%	0	0	0	0	0	0	0.5-1 mv,d	0
0.5-1%	0.0-0.3	1-3	3-5	0.3	0	0	0	0	0	0	0.3 mv	0
1-3	0.1	4-6	4-5	0.5	0	0	0	0	0	0	1-2 mv	0
0.5	0.0-0.3	1-3	3-5	0.1	0	0	0	0	0	0	0.3 mv	0
0.0	0.0	0-1	6-7	0	0	0.3	0	0	0	0	0.1	0
1-3%	0.0-0.2	0-2	5-7	0	0	0	0	0	0	0	0.1-0.3 mv,d	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb		
79.5	80.5	5001	1.0				
80.5	82.0	5002	1.5	NIL	NIL	164	[illegible]
82.0	83.5	5003	1.5	NIL	NIL		
83.5	84.4	5004	0.9	NIL	NIL		
88.72	89.42	5005	0.7	NIL	NIL	132	[illegible]
89.42	90.55	5006	1.13	NIL	NIL		
90.55	91.55	5007	1.0	NIL	NIL		
91.55	92.65	5008	1.1	NIL	NIL		
95.62	96.22	5009	0.6	NIL	NIL		
98.4	99.9	5010	1.5	NIL	NIL		

DRILL HOLE T-83-17 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December ... 83 PAGE 6 OF –

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

metres	Description
1.0	99.9 – 102.0 *Potassic Feldspar Porphyry Intrusive*
1	fg massive, porphyritic, reddish-brown grey 20-25%
2	euhedral feldspars up to 3mm. Alteration silica, w/ 5% Ang. biotite 0.1-0.3% py disseminated throughout
3	102.0 – 109.83 *Chlorite Wacke / Mafic Tuff*
4	As at 99.4 – 99.9 but massive, more banded clastic nature of rock not as apparent.
5	102.28 — 10?.0? – Section moderately to highly oxidized
6	0.5% qtz-calcite-tour veining w/ 0.3% Ang py. Trace specks magnetite
7	106.71 – 107.6? – Section contains 1-2% chlorite-epidote-qtz-calcite veins and microveinlets (microfolded) w/ 0.5-1% Ang py mv and disseminations
8	
9	109.0 – 109.71 – *Intermediate Feldspar Porphyry*
11.0	109.83 – 123.74 *Biotite Wacke*
1	Texturally similar to above lithology but rich in
2	biotite, chlorite composed 30% of section. Mottled texture
3	110.2 – 110.71 – Fg felsite dyke composed of fg qtz and euhedral K-feldspar. 0.5% tourmaline veinlets
4	@ 30° to CA. 1-3% qtz veinlets w/ 0.5-1% Ang py
5	This rock similar to Sheared Amphibolite described in hole T-83-9 @ 140.3 – 180.46.
6	112.05 – 112.2 – As at 110.2 – 110.71. 112.75 – 114.91 Moderately foliated. 0.5-2% qtz-tour ± calcite
7	veins and veinlets oblique to foliation. 0.5%-1% po, 0.1-0.3% ... 0.5% py as discordant fracture filling microveinlets in qtz-tour
8	117.83 – 118.27 – Felsite dyke as at 110.2 – 110.71. Contacts
9	sharp @ 40° to CA. Upper 11cm marked by grey qtz-tour vein hosting 0.3-0.5 Ang py. Whole dyke has 5-7% qtz-tour veining throughout
12.0	

ALTERATION & MINERALIZATION %

d—disseminated p—pervasive v—veined mv—microveined sk—stockwork

Interval	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	carb	ank	ser	tour	gf	ep	aspy	py	Pt
99.9 – 102.0	0	0.0-0.1	0	6-8	0	0	0.1	0	0	0	0	0.1-0.4 -0-	0
102.0 – 109.83	0.5	0.1-0.5	1-2	5-7	0.5	0	0	0	0	0	0	0-3 M	0
102.28 –	0.5 1%	0.0-0.2	0	4-5	0.5 1%	0	0	0	0	0	0	0.3 M	0
109.0 – 109.71	0	0.0	0-1	6-8	0	0	0.1	0	0	0	0	0.3	0
109.83 – 123.74	0.5-1	0.0	0	8-9	0	0	0.3	0.3	0	0	0	0.5	0
	0.5	0.0-0.2	0	4-5	0.3	0	0	0	0	0	0	0.3-0.5 mv,0	0
112.75 – 114.91	0.5-2	0.0-0.7	2-3	4-6	0.1-0.3	0	0	0.5-1	0	0.1-0.3 MV	0	0.5 MV	0.5-1% MV
	0.5	0.0-0.2	0	4-5	0.3	0	0	0	0	0	0	0.1-0.3 mv,0	0
117.83 – 118.27	5-10	0.0	0	8-9	0	0	0.3	0.3	0	0	0	0.3-0.5 mv	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb
102.22	103.01	5011	0.73	NIL	NIL
105.4	106.5	5012	1.1	NIL	NIL
106.71	107.64	5013	0.93	NIL	NIL
108.5	109.6	5014	0.5	.2	NIL
109.83	110.2	5015	0.37	.2	NIL
110.2	110.71	5016	0.51	NIL	NIL
110.71	112.0	5017	1.29	NIL	NIL
112.0	112.75	5018	0.75	NIL	NIL
112.75	113.55	5019	0.8	.4	NIL
113.55	114.35	5020	0.8	.8	NIL
114.35	115.15	5021	0.8	NIL	NIL
115.15	115.95	5022	0.8	NIL	NIL
115.95	116.7	5023	0.8	NIL	NIL
117.6	118.27	5024	0.67	NIL	NIL

DRILL HOLE T-88-17 PROJECT TUEDO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 5 1988 PAGE 1 OF 1

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein	% VENS.	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % d—disseminated p—pervasive v—veined mv—microveined sk—stockwork cal	ank	ser	tour	gf	cp	sapy	py	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb
0																		
1																		
2																		
3														122.3	123.0	5025	1.0	NIL
4	123.74 – END OF HOLE																	
5																		
6																		
7																		
8																		
9																		
0																		
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
0																		

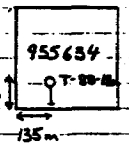
DRILL HOLE T-88-18a PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 15, 1988 PAGE 1 OF 5

AREA GRID 9
CLAIM 955634
CORE SIZE BQ
DATE STARTED DECEMBER 13, 1988
COMPLETED
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS ABANDONED DUE TO CAVE AT BOTTOM OF HOLE

DEPTH — DOWNHOLE | VERTICAL
OVERBURDEN 43.7
HOLE 110.3
ELEVATION
CO-ORDINATES NORTHING 18+22N
EASTING L16+00W
LOGGED BY P. CASHIN
CHECKED BY Peter Cashin

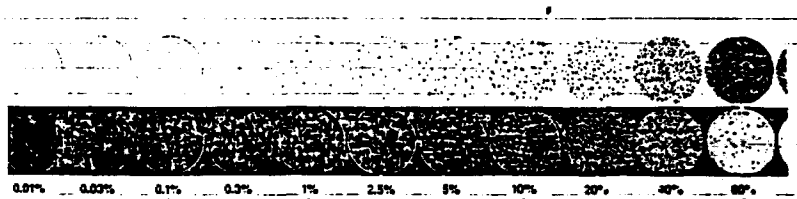


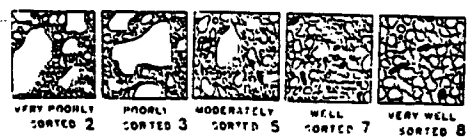
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
41.45		-45.5°	

DRILL HOLE SUMMARY — REASON FOR DRILLING HOLE AND RESULTS

The drillhole was intended to intersect a broad, weak Mo-Cu-Au feature centred at L16+00W/15+25N. The conductive feature was explained as a zone of interbedded graphitic and non-graphitic units. The most significant graphitic + sulfide bearing sections were intersected at 69.1–77.89, 85.17–87.28 and 94.23–110.3. Pyrite nodules up to 5cm diameter were observed within the graphitic sections with sulfides attaining concentrations up to 20% pyrite.





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	43.7	OVERBURDEN
43.7	69.1	BIOTITIC ARENITE
69.1	77.89	GRAPHITIC ARGILLITE/EXHALITE
77.89	85.17	INTERMEDIATE FELDSPAR PORPHYRY
85.17	87.28	GRAPHITIC ARGILLITE
87.28	93.77	BIOTITIC WACKE
93.77	94.23	INTERMEDIATE FELDSPAR PORPHYRY
94.23	110.3	GRAPHITIC ARGILLITE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

5167 - 5196

DRILL HOLE T-88-18a PROJECT TWECO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 17 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	[illegible]	Au ppb	[illegible]	[illegible]
40	0.0-43.7 - OVERBURDEN																					
4	43.7 - 69.1 <u>Biotite Arenite</u>																					
5	Grey to rusty, reddish-brown, moderately foliated, massive biotite rock [illegible] Foliation @ 80° to CA. [illegible] subrounded [illegible] clasts up to 25mm. Upper part of section contains 3-5% graphitic horizons up to 15 cm wide. Bedding/banding @ 90° to CA. Blending of bedding locally [illegible] @ 10° to CA.	0.3-1	0.0-0.1	0-2	4-6	0.1-0.3	0	0	0	3-5	0	0	0.1-0.3	0.1-0.3	~~45.0~~	~~46.0~~	5167	1.0	NIL	121/NIL		
9	45.38-45.6 35-90% qtz-calcite vein flooding. 0.1-0.5% fine py as [illegible] disseminated veinlets / 0.5% small red-brown garnets up to 2mm																					
50															50.0	51.0	5168	1.0	NIL	NIL		
1	51.3-51.95 10-15% qtz-calcite flooding veinlets @ 90° to CA. 0.1-0.3% fine py	0.3-0.5	0.0-0.1	0-2	4-6	0.1-0.3	0	0	0	0	0	0	0.1-0.3	0	51.0	52.0	5169	1.0	NIL	NIL		
3															52.0	53.5	5170	1.5	NIL	NIL		
4															53.5	54.0	5171	0.5	NIL	NIL		
6	54.0 - 69.1 - Highly oxidized sedimentary section, rusty brown. Drill got water at this point, probable aquifer. 70-75% recovery, very ground. Graphitic bed @ 64.44-64.[illegible] [illegible] fine py bands in qtz-calcite gangue. Contacts @ 78° to CA.	0-0.5	[illegible]-0.1	0-1	2-4	0-0.3	0	0	0	0	0	0	0.5-1	0	NO SAMPLING DUE TO EXCESSIVE CORE LOSS							
60																						

DRILL HOLE T-88-18a PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 17, 1988

DESCRIPTION

sg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzv—quartz vein

60 Biotite Arenite

69.1 – 77.89 – Graphitic Argillite / Exhalite

Grey to black to grey-white banded zone composed of 60% graphitic beds, 15% sucrosic chert zones and 25% grey feldspar porphyry intrusive. Bedding @ 72° to CA & 7-19 fine to f.gr., [illegible] to [illegible] [illegible] bond/ foliation parallel and [illegible] veinlets with [illegible] colloform pyrite nodules up to 5 cm diameter observed. Bedding/foliation crenulated w/ cren cleavage @ 10° to CA.

77.89 – 85.17 – Intermediate Feldspar Porphyry

[illegible] med grey to green grey, hard massive to locally foliated feldspar-rich intrusive. Contacts sharp @ 80° to CA

ALTERATION & MINERALIZATION %

d—disseminated; p—pervasive; v—veined; mv—microveined; st—stockwork

metres	% veins	mag. sus.	shear int. 0-10	hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Q
63	0.0–0.5	0.0–0.1	0–1	2–4	0.1–0.3	0	0	0	0	0	0	0.1–0.3	6
67	0–0.05	0.0–0.1	0–1	2–4	0.1–0.3	0	0	0	0	0	0	0.1–0.3	0
73	5–10	0.0–0.1	1–3	3–4	0.5	0	0	0	60	0	0	2–7 [illegible]	0
79	0.1–0.5	0.0–0.1	0–1	7–8	0	0	0.5–1	0–3	0	0	0	[illegible]	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	[illegible]	Au ppb
64.0	65.0	5172	1.0	1	NIL
65.0	66.2	5173	1.2	.2	NIL
66.2	69.1	5174	2.9	.4	NIL
69.1	71.0	5175	1.9	.5	NIL
71.0	72.5	5176	1.5	.4	NIL
72.5	74.0	5177	1.5	.5	NIL
74.0	75.5	5178	1.5	.3	NIL
75.5	77.0	5179	1.5	.4	NIL
77.0	77.89	5180	0.89	NIL	NIL 20
				.5	
79.0	80.0	5181	1.0	.2	NIL

DRILL HOLE T-88-18a PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 17, 1988 PAGE 4 OF 5

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzve—quartz vein

metres	DESCRIPTION
80 – 83	20-30% subhedral white feldspar up to 7mm. Matrix fine grained [illegible] 0.1-0.3% disseminated fine po [illegible] sericitization adjacent [illegible] calcite microveinlets @ 80° TCA. Contact from [illegible] by [illegible] throughout. Small altered biotite rock sections @ 78.03-78.13 and 78.54-79.3
86 – 88	85.17-87.28 *Graphitic Argillite* As at 69.1-77.89 but 40% graphitic and 60% feldspathic / cherty layers 3-5% fine stringer to nodular pyrite. [illegible] [illegible]
89 – 93	87.28-93.77 *Biotitic Wacke* As at 43.7-69.1 but finer grained, matrix dominated
94	93.77-94.23 - *Intermediate Feldspar Porphyry*
95 – 100	94.23-110.3. *Graphitic Argillite* As at 69.1-77.89. 70-75% graphitic argillite with 25-30% cherty feldspar argillite bands up to 10cm. 15-20% pyrite [illegible] microveinlets, disseminations and nodules up to 5cm locally [illegible]

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)

Interval	% VEINS	MAG. SUS.	SHEAR INT. 0—10	HARDNESS 0—10	cal	chl	ser	tour	gf	cp	aspy	py	Po
80–83	0.5 / 0.5	0.0 / 0.1	0-1	7-8	0	0	0.5 / 1	0.3	0	0	0	0.1 / 0.3 / D	O
85.17–87.28	3-5	0.0 / 0.1	0-3	3-4	0.1	0	0.5	0	40	0	0	3-5 / MV, D	0
87.28–93.77	0.5-1	0.0- / 0.1	0-3	4-6	0.3	0	0	0	0	0	0	0.5 / 0.3	0
93.77–94.23	0.5 / 1	0.0 / 0.1	0-1	7-8	0	0	0.3-0.5	0	0	0	0	0.1	0
94.23–110.3	10-15	0.0 / 0.1	0-2	3-4	0.5 / 1	0	0.3-0.5	0	70-75	0	0	15-20 / MV, D	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb
80.0	81.1	5182	1.1	NIL	NIL
84.0	85.17	5183	1.17	NIL	NIL
85.17	86.17	5184	1.0	•-	NIL
86.17	87.17	5185	1.0	•-	NIL
87.17	88.28	5186	1.11	•-	NIL
94.23	96.0	5187	1.77	.9	NIL
96.0	97.5	5188	1.5	.9	NIL
97.5	99.0	5189	1.5	.8	NIL
99.0	100.5	5190	1.5	.5	NIL

DRILL HOLE T-88-18a PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 17, 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	P?	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	A?	Au ppb		
100																						
1	101.52 – 102.22 – Biotitic Arenite 0.5-1% dissem py 10	10-15	0.0-0.1	0-2	3-4	0.5-2	0	0.1-0.5	0	70-75	0	0	15-20 mv,?	0	100.5	102.28	5191	1.78	.4	NIL		
2		0.1-1?	0.0-0.1	0-2	4-6	0.1-0.5?	0	0	0	1-3	0	0	9?	0								
3	102.87 – 104.74 – Siliceous Argillite - Contact sharp @ 55° to CA 1-3% foliation // pyrite	5-10	0.0-0.1	0	3-4	[illegible]	0	65?	0	50-60	0	0	3-5	0	102.28	102.87	5192	0.59	.7	NIL		
4		0.1-0.5	0.0-0.01	0-1	6-7?	0.0-0.3	0	0.5-1	0	0	0	0	1-3% mv	0	102.87	104.74	5193	1.87	.5?	NIL		
5																						
6															104.74	106.5	5194	1.76	.4	NIL		
7		10-15	0.05-0.1	0-2	3-4	0.5-2	0	0.1-0.3	0	70-75	0	0	15-20% mv,D	0	106.5	108.0	5195	1.5	1.1	10/10		
8	108.21 – 108.61 – Ground up core																					
9	109.11 – 110.3 – Ground very broken, 30% return. Hole abandoned at this point														108.0	110.3	5196	2.3	1.0?	NIL		
110																						
1	110.3 – End of Hole																					
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
0																						

DRILL HOLE T-88-18 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 14, 1988 PAGE 1 OF 2

AREA GRID 9
CLAIM 955634
CORE SIZE BQ

DATE STARTED DECEMBER 7, 1988
COMPLETED DECEMBER 10, 1988

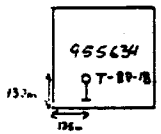
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS Hole abandoned at 47.55m due to excessive caving and sanding of the hole. Will restart hole.

DEPTH	DOWNHOLE	VERTICAL
OVERBURDEN	43.15m	
HOLE	47.55m	

ELEVATION

CO-ORDINATES NORTHING 18+25N
EASTING L16+00W

LOGGED BY P. CASHIN
CHECKED BY Peter Caslin

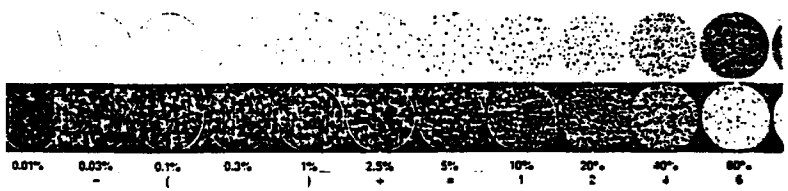


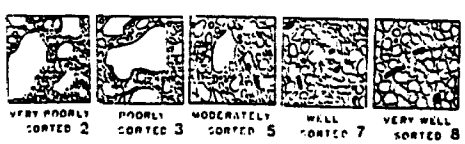
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		- 50°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

Target was intended to be a moderate, Max Min conductor - centered at L 16+00W / 17+25N. Target was not achieved due to abandoning of hole





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	43.15	OVERBURDEN
43.15	47.55	BIOTITIC WACKE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

None

DRILL HOLE T-88-12 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE [illegible] PAGE _ OF _

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t
40	0.0 - 43.15 - OVERBURDEN																				
1																					
2																					
3	43.15 - 47.55 - BIOTITIC WACKE																				
4	Fine, reddish-brown, massive weakly to moderately foliated @ 70° to CA. 0.1-0.3% qtz-calcite-chlorite microveinlet foliation ‖ to oblique. Local patchy chlorite, at random 0.1%-0.3% v.f. diss. pyrite.	0.1-0.3	0	0-2	3-5	0.1-0.5	0	0	0	0	0	0	0.1-0	0							
5																					
6																					
7																					
8	47.55 - End of Hole																				
9																					
0																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
0																					

DRILL HOLE T-88-19 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 19, 1988 PAGE 1 OF 4

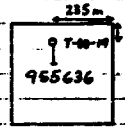
AREA GRID 9
CLAIM 955636
CORE SIZE BQ
DATE STARTED DECEMBER 15, 1988
COMPLETED DECEMBER 18, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

DEPTH	DOWNHOLE	VERTICAL
OVERBURDEN	88.39	
HOLE	138.98	

ELEVATION

CO-ORDINATES NORTHING 16+25N
EASTING L18+00W

LOGGED BY P.CASHIN
CHECKED BY Peter Cashin



DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
88.39		-46.5°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to intersect a moderate Max/Min electromagnetic target centered on line 18+00N / 15+25N. The weak broad response observed in surface was observed as a series of narrow parallel graphitic sulphide argillite horizons throughout the hole. The widest of these was observed from 108.0 - 113.19m.

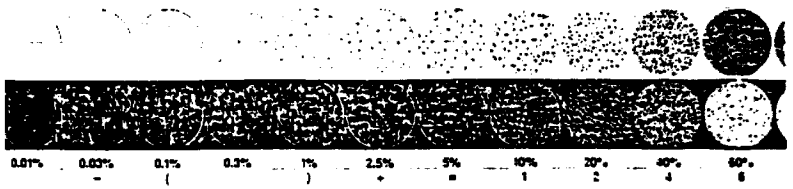
GEOLOGY SUMMARY

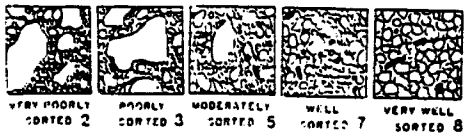
FROM	TO	UNIT
0.0	88.39	OVERBURDEN
88.39	113.19	Intercalated Mafic Wacke and Graphitic Argillite
113.19	116.02	Feldspar Porphyry Intrusive
116.02	138.98	Intercalated Biotite Wacke and Graphitic Argillite

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
5197 - 5219





DRILL HOLE T-88-19 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 19, 1988 PAGE 2 OF 4

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

0.0 – 88.39 – OVERBURDEN

88.39 – 117.4 Intercalated Micaceous Wacke and Graphitic Argillite

Fg to graphitic massive to banded, black and light grey, rock composed of 30-35% graphitic argillite bands up to 57 cm wide / alternating with muscovite-rich micaceous wacke / felsic tuff bands (65-70%) up to 40 cm. Graphitic bands contain from 0.5-5% py as wisps, euhedral crystals and bands // microveinlets and semimassive bands. Banding @ 73° to CA, locally contorted. 0.5-0.5% calcite veining and microveinlets // banding. Contorted bands have Z-fold geometry.

97.92 – 97.97 – Biotite Arenite. Contacts @ 78° to CA

99.22 – 99.7 – as at 97.92 – 97.97

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)

Interval (m)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	
88.39 – 117.4	0.5-5	0.0-0.5	1-3	3-6	0.1-0.5	0	0.0-1.9	0	0-35	0	0	0.5-5 MV,D	0.1-0
97.92 – 97.97	0		0	7-6	[illegible]	0	0	0	0	0	0	0.1-0.3	0
~99	0.5-5		1-3	3-6	0.1-0.5	0	[illegible]	0	0	0	0	0.5-5 MV,D	0.1
99.22 – 99.7	0		0	1-5	0.1-1.5	0	0	0	0	0	0	[illegible]	[illegible]

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb
91.6	93.0	5197	1.4	.3	NIL
93.0	94.0	5198	1.0	.2	NIL
94.0	95.5	5199	1.5	NIL	NIL
95.5	97.0	5200	1.5	.3	NIL
98.0	99.22	5201	1.22	.2	NIL
99.22	99.7	5202	0.48	NIL	NIL

DRILL HOLE T-88-19 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 19, 1988 PAGE 3 OF 4

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; mv—microveined; p—pervasive; v—veined; st—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	ep	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	[illegible]	Au ppb
100–101															99.7	101.2	5203	1.5	•[illegible]	NIL
102–103	102.11 – 102.57 – Potassic Feldspar Porphyry Intrusion 102.81 – 102.89 – Potassic Feldspar Porphyry Intrusion																			
103–104															102.38	103.38	5204	1.0	•[illegible]	NIL
105															103.88	105.3	5205	1.62	NIL	NIL
107		0.5–5%		1-3	3-6	0.5–2	0	0.5–1	0	0-35	0	0	0.5–3%	0						
108	108.0 – 113.19 – Section contains 50-60% graphitic argillite 1-3% py, 0.5% po as foliation // microveinlets + disseminations. Conductor.														107.0	108.5	5206	1.5	•[illegible]	NIL
109															108.5	110.0	5207	1.5	•[illegible]	NIL
110–111		1–5%	0.0 – 0.5	1-3	3-6	0.7–0.5	0	0	0	50-60	0	0	1–3% mv,d	0.5% mvd	110.0	111.5	5208	1.5	•2	NIL
112															111.5	113.0	5209	1.69	NIL	NIL
114	113.19 – 114.49 – Feldspar Porphyry Intrusion	0		0-2	7-8	0.5–0	0	0.5–1	0	0	6	0	0.1–0.3 0	0						
115	114.49 – 115.31 – Sheared biotite + feldspar porphyry. Strongly foliated, [illegible], upper + lower contacts both gradational over 10cm. Occasional stretched FP clasts // foliation @ 72° to CA. 0.1-0.3% py	0		7-8	3-5	0.5–1	0	0	0	0	0	0	0.1–0.3	0						
116		0		0-2	7-8	5	0	0.5	0	.	0	0	0.1–0.3	0	115.6	116.6	5210	1.0	•2	NIL
117	115.31 – 116.02 – FP as at 114.13 – 114.48	0–5%		-5	7-8	0.5–2	0	0.5–1	0	0-35	0	0	0.5–5%	0						
118–120	117.4 – 138.98 Interbedded Biotite Wacke and Graphitic Argillite As above but composed essentially biotite wacke and 0-15% carbonaceous argillite bands from 1cm – 65cm. Contains	0.5–2%		0-2	4-6	0	0	0.1–0.3	0	0-15	0	0	0.5–1% mv,d	0.1–0.3 mvd	119.5	121.0	5211	1.5	•2	NIL

DRILL HOLE T-83-19 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 19, 1983 PAGE 4 OF 4

DESCRIPTION

metres | cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

120 – Less sulfides than previous section w 0.5–1% py, 0.1–0.3% po bound // sv and disseminations, particularly in carbonaceous beds. Bedding @ 80° to CA. Feldspar porphyry intrusive sections not observed to transect this unit

138.98 – End of Hole

ALTERATION & MINERALIZATION %

d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

metres	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	
120–139	0.5–2?	0.0–0.5	0.2	±6	0	0	0	0.1–0.3	0.15	0	0	0.5–1% mv, D	0.1–0.3 mv, D

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb
119.5	121.0	5211	1.5	–	NIL
121.0	122.0	5212	1.0	–	NIL
125.0	126.0	5213	1.0	NIL	NIL
127.8	128.8	5214	1.0	.2	NIL
129.7	130.7	5215	1.0	.3	~~20~~ NIL
130.7	131.8	5216	1.1	.2	NIL
132.9	133.9	5217	1.0	.2	NIL
133.9	135.4	5218	1.5	.2	NIL
137.0	138.1	5219	1.1	.2	10

DRILL HOLE T-88-20 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

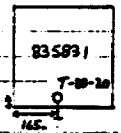
DATE DECEMBER 13, 1988 PAGE 1 OF 11

AREA Grid 2
CLAIM 835831
CORE SIZE BQ
DATE STARTED DECEMBER 8, 1988
COMPLETED DECEMBER 10, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

DEPTH | DOWNHOLE | VERTICAL
OVERBURDEN 38.62m
HOLE 222.19
ELEVATION

CO-ORDINATES NORTHING 12+75S
EASTING L10+00W

LOGGED BY P.G. ASHLEY
CHECKED BY Peter Larkin

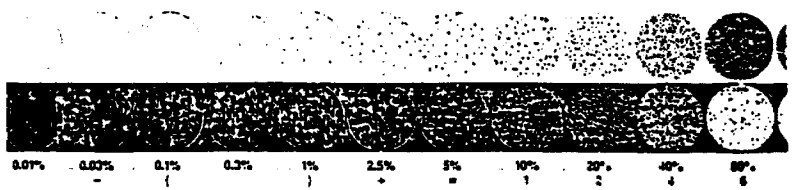


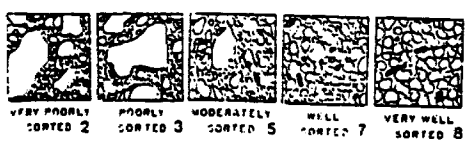
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

This hole was designed to intersect a moderate to strong Max Min conductor with north flank moderate magnetics centered at L10+00W/14+00S. The conductor was explained but 2 parallel graphite-sulfide horizons at 126.19-128.64 and 145.8-147.33 both were observed to contain from 2-5% py, 0.5-5% po and 0.5-1% aspy





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	30.62	OVERBURDEN
30.62	34.67	Coarse Grained Chloritic Wacke
34.67	36.02	Foliated Pyroxene Feldspar Porphyry
36.02	66.2	Interbedded Coarse and Fine Grained Biotitic Wacke
66.2	71.0	Foliated Altered Wacke
71.0	72.26	Foliated Biotitic Wacke
72.26	125.59	Interbedded Coarse and Fine Grained Wacke/Conglomerate
125.59	126.19	Sheared Altered Wacke/Conglomerate
126.19	128.64	Graphite + Sulfide Zone
128.64	145.8	Sheared Altered Wacke/Conglomerate
145.8	147.33	Graphite + Sulfide Zone
147.33	151.77	Sheared Silicified Wacke
151.77	195.35	Biotitic Wacke
195.35	206.5	Banded Chert-Chl-Bio Iron Formation
206.5	227 M	Chloritic Wacke

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
5069 - 5166

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 13, 1988

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork): cal	ank	ser	tour	gf	cp	aspy	py	?	SAMPLING: FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
30	0.0 – 30.62 – OVERBURDEN																					
1–4	30.62 – 34.67 Coarse grained Chloritic Mafic / Wacke. [illegible], dark green, massive rock. Composed of 60% [illegible] chlorite after actinolite, 0.5–1% calcite, 0.5–2 [illegible], 35% [illegible] and interstitial [illegible] quartz. 0.3–0.5% [illegible] py, disseminated, 0.1–0.3% [illegible] calcite MV @ 10% 60° to CA. Foliation weakly to moderately developed @ 60° to CA	0.1–0.3	0.0–0.1	3-5	6	0.5–1	0	0	0	0	0	0	0.1–0.3 D	0	32.0	33.0	5067	1.0	Nil	Nil	51	50
5–6	34.67 – 36.02 Foliated Potassic Feldspar Porphyry Intrusive [illegible] @ 65° to CA, 20% flattened [illegible] [illegible] 1–5mm [illegible] contact [illegible] 80° to CA	0.5–1	0.0	4-6	7-8	0.3–0.5	0	0.5–1	0	0	0	0	0.3–0.5 D	0	35.0	36.02	5070	1.02	NIL	NIL	52	70
7–3	36.02 – 66.2 Intercalated Coarse and Fine Grained Biotite Wacke / Conglomerate. Fg to mg intercalated sequence of coarse grained chloritic [illegible] as described @ 30.62–34.67 and fg to aphanitic biotitic wacke. At times coarse grained fraction to fragmental within finer grained wacke and may locally be conglomeratic. 0.3–0.5% [illegible] calcite [illegible] microveinlets throughout. Coarse grained [illegible] / bands up to 25cm (Range 1cm–25cm). 0.5–2% red-brown garnets up to 4mm. 0.1–0.3% fg dissem py. Banding @ 60° to CA. – 15–20% coarse grained sections / clasts, 80–85% biotitic wacke	0.5–0.5	0.0–0.2	1-3	4-6	0.5–2	0	0	0	0	0	0	0.1–0.3 D	0	39.0	40.0	5071	1.0	NIL	NIL	24	64
4	43.25 – 44.33 – Coarse grained wacke section as at 30.62–34.67														43.0	44.0	5072	1.0	NIL	NIL	40	66
5																						
6																						
7																						
8															47.0	48.0	5073	1.0	NIL	NIL	17	54
9–50	49.89 – 50.47 – Moderately to highly silicified section with 1–3% [illegible] // po, 0.5–1% py as [illegible] // microveinlets	3-5	0.5-1.1	1-3	7-8	0	0	0.3	0	0	0	0	0.5-1	1-3	49.89	50.47	5074	0.58				

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 13, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres	DESCRIPTION
50	~~[illegible]~~
51	50.47 – 53.64 – Weakly silicified, moderately chloritized section w/ 0.5-2% po, 0.3-0.5% py as bands ‖ and oblique qz-chl-carb microveinlets & stringers
58	57.85 – 59.65 – Slightly more magnetic section due to 0.5-2% fg/ diss po, 0.3-0.5% py as disseminated bands, ‖ to banding. Believed to be primary sulfides
64	63.75 – 65.53 – Moderately silicified, weakly sericitized section w/ band ‖ 0.3-0.5% fg po, 2-5% v fg diss parallel py, 0.1% cpy
67	66.2 – 71.0 <u>Foliated Altered Wacke / Arkose</u>
67–70	[illegible] aphanitic, moderately to strongly foliated light grey to grey-green. Section weakly silicified & [illegible] but is observed to become more strongly altered downhole. Foliation @ 62° to CA. 0.5% - 2% po, 0.5-3% [illegible] py, 0.1% cpy as fine parallel microveinlets in grey [illegible] 0.3-0.5 [illegible] foliation [illegible] qtz carb [illegible] MV @ 23° to [illegible]

ALTERATION & MINERALIZATION %

d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

Interval (m)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
50 (struck through)	3-5	[illegible]	0-2	[illegible]	0	0	0	0	0	0	0	0.5-1	1-3
50.47–53.64	2-3	0.5-1.1	0.2	5-6	0.3-0.5	0	0	0	0	0	0	0.3-0.5 mv	0.5-2 mv
53.64–57.85	0.3-0.5	0.0-0.2	1-3	4-6	0.3-0.5	0	0	0	0	0	0	0.1-0.5 mv,0	0.3-0.5 mv,1
57.85–59.65	0.5-2	0.4-1.0	0.2	5-6	0.1-0.5	0	0	0	0	0	0	0.3-0.5 mv,0	0.5-2 mv,0
59.65–63.75	0.1-0.5	0.0-0.2	F3	4-6	0.1-0.5	0	0	0	0	0	0	0.1-0.5 mv,5	0.1-0.3 mv,5
63.75–65.53	3-5	0.4-0.7	0-2	4-6	0.3-0.5	0	0.3-0.5	0	0	0.1-3	0	2-5 mv,0	0.3-0.5 mv,0
65.53–66.2	0.3-0.5	0.0-0.2	1-3	4-6	0.1-0.5	0	0	0	0	0	0	0.1-0.5	0.1-0.9
66.2–70	5-8	0.0-0.2	6-8	6-7 / 7-8	0.0-0.1	0	10-20	0	0	0.1 mv	0	0.5-3 mv	0.5-2 mv

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	[illegible]	[illegible]
~~49.89~~	~~50.47~~	~~5074~~	~~0.58~~	~~[illegible]~~	~~NIL~~	~~[illegible]~~	~~[illegible]~~
50.47	51.47	5075	1.0	NIL	NIL	[illegible]	21
51.47	52.47	5076	1.0	NIL	NIL	[illegible]	30
52.47	53.64	5077	1.17	NIL	NIL	33	12
53.64	54.64	5078	1.0	NIL	NIL	137	33
54.64	55.64	5079	1.0	.2	NIL	72	72
55.64	56.64	5080	1.0	NIL	NIL	57	07
56.64	57.85	5081	1.21	NIL	NIL	42	77
57.85	58.85	5082	1.0	NIL	NIL	30	74
58.85	59.65	5083	0.8	NIL	NIL	30	04
59.65	60.45	5084	0.8	NIL	NIL	58	56
60.45	61.6	5085	1.15	NIL	NIL	44	66
61.6	62.4	5086	0.8	NIL	NIL	40	08
63.75	64.5	5087	0.75	.2	NIL	54	71
64.5	65.53	5088	1.03	NIL	NIL	83	42
65.53	66.2	5089	0.67	NIL	NIL	84	71
66.2	67.2	5090	1.0	.2	NIL	51	60
67.2	68.2	5091	1.0	NIL	NIL	33	31
68.2	69.0	5092	0.8	NIL	NIL	21	39
69.0	70.0	5093	1.0	NIL	NIL	23	26

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
70	CA. Colour change from grey to apple green (?) at 68.22. Also coincides with increase in silicification.	5-8	0.0-0.6	6-8	7-8	0.0-0.1	0	10-?	0	0	0.1 mv	0	0.5-3 mv	0.5-2 mv	70.0	71.0	5094	1.0	NIL	NIL	[illegible]	[illegible]
1–2	71.0-72.26 - Foliated, Biotite Wacke. As at 66.2-71.0 but highly biotitic and silicified. 0.5-3% tiny po, 0.5% py.	[illegible]	0.4-0.9	4-6	9	0.5-2	0.5-2(?)	1-3	0	0	0	0	0.5 mv	0.5-3 mv	71.0	72.26	5095	1.26	NIL	NIL	75	50
3	72.26 - 125.57 Intercalated Coarse and Fine Grained Wacke/Conglomerate														72.26	73.26	5096	1.0	NIL	NIL	51	51
4–6	As described at 36.02-66.2 but coarse grained sections appear as fragments (5-8%) within biotite wacke groundmass. Conglomeratic texture. 1-5% red-brown garnets as isolated sections, up to 1.1 cm (May be metamorphic texture)	0.3-0.5	0.0-0.1	4-5	4-6	0.5-1	0	0	0	0	0	0	0.1-0.3, 0	0								
6–7	76.28 - 76.73 - Sheared & silicified section. Weakly to moderately sericitized 15% qtz MV flooding w/ 1-3% tiny po 0.1-0.3% py.	15	0.7	4-6	4-6	0.5-1	0	0.5-1	0	0	0	0	0.1-0.3	1-3 mv	76.2	76.8	5097	0.6	NIL	NIL	[illegible]	[illegible]
7		0.3-0.5	0.0-0.1	1-3	4-6	0.5-1	0	0	0	0	0	0	0.1-0.3, 0	0								
8	78.0 - 78.55 - As at 76.28-76.73.	10-15	0.5	4-6	5-6	0.5-2	0	0.5-1	0	0	0	0	0.1-0.3 MV	1-3	78.0	78.8	5098	0.8	[illegible]	10	79(?)	[illegible]
9															79.4	80.0	5099	0.6	.5	50	61	400
80																						
3		0.3-0.5	0.0-0.2	1-3	4-6	0.5-1	0	0	0	0	0	0	0.1-0.3, 0	0.3-0.5, 0	83.0	84.0	5100	1.0	NIL	NIL	82	46
7															87.0	88.0	5101	1.0	NIL	NIL	68	78
90																						

CHEVRON MINERALS LTD — DIAMOND DRILL LOG

DRILL HOLE T-88-20 PROJECT TWEED DATE DECEMBER 13, 1988 PAGE 5 OF 11

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0—10	HARDNESS 0—10	cal	ank	ser	tour	gf	cp	aspy	py	po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	Au ppb	CU ppm	ZN ppm
90																						
1		0.3-0.5	0.0-0.2	1-3	4-6	0.5-1	0	0	0	0	0	0	0.1-1.3 mv	0.3-0.5 mv								
2	91.55 – 93.55 – Section weakly to moderately silicified 0.5-1% po, 0.3-0.5% py	0.5-1	0.2-0.7	1-3	5-7	0.5-1	0	0	0	0	0	0	0.3-0.5 mv	0.5-1 mv	91.55	92.55	5102	1.0	NIL	NIL	30	37
3															92.55	93.55	5103	1.0	NIL	NIL	40	32
4																						
5																						
6		0.1-0.5	0.0-0.2	1-3	4-6	0.3-0.5	0	0	0	0	0	0	0.3-0.5 mv	0.1-0.3 mv								
7															97.0	98.0	5104	1.0	NIL	NIL	37	57
8		0.5-1	0.3-0.4	1-3	4-6	—	0	0	0	0	0	0	0.1-0.3	0.5								
9	98.0-98.3 – Section weakly magnetic																					
100																						
1																						
2															101.0	102.0	5105	1.0	.2	NIL	85	103
3																						
4		0.1-0.5	0.0-0.3	0-2	4-6	0.0-0.3	0	0	0	0	0	0	0.0-0.3 0	0								
5																						
6																						
7															106.0	107.0	5106	1.0	NIL	NIL	46	87
8																						
9	108.4 — 124.56 Gradational increase in the distribution and proportion of garnets in the section. 5-10% porphyritic garnets up to 1 cm. Have irregular boundaries. Believed to be the manifestation of an																					
110																						

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 13, 1988 PAGE 6 OF [illegible]

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzv—quartz vein

110 – alteration phenomenon.

125.59 - 126.19 Sheared Altered Conglomerate / Wacke

f.g. to aphanitic, highly shear foliated, light grey, strongly silicified. Shear foliation @ 55° to CA. 1-3% [illegible] parallel blue quartz spheres up to 1.5mm. Minor graphite // foliation. 5-8% of shear [illegible] qtz ± minor carb. veinlets [illegible] 1-3% py, 1-2% po. Destruction of garnets observed in above noted lithology. Upper contact gradational over 15cm. Shear foliation locally contorted. Speck arsenopyrite.

ALTERATION & MINERALIZATION %

d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

metres	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
117.5-118	0.3-0.5	0.0-0.3	0-2	4-6	0-0.3	0	0	0	0	0	0	0.0-0.3 D	0
125.59-126.19	5-8	0.9-1.4	7-9	9-10	0.1	0	0	0	0.3	0	0.0	1-3 mv	1-2 mv
126.19-127.94	5-8	0.8-1.2	7	4-5	1-3	0	0	0	95	0	0	1-3 mv	1-2 mv
127.94-128.64	45	1-2	3-4	5	3-5	0	0	0	55	0	0	35	5
	10-15	0.4-[illegible]	7	4-5	1-3	0	0	0	95	0	0	1-3	1-2
128.64-129.14	15	0.9	9	10	0.1-0.9	0.3	30-40	0	5	0	0.5-1	5-10	0.59
129.14-130	15-25	0.5-1.7	9-10	9-10	0.1-0.3	0	15-20	0	0	0	0.5-2?	5-10 mv	0.5-2?

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
110.0	111.0	5107	1.0	NIL	NIL	49	110
114.0	115.0	5108	1.0	NIL	NIL	41	111
118.0	119.0	5109	1.0	NIL	NIL	40	104
122.0	123.0	5110	1.0	NIL	NIL	40	143
125.0	125.59	5111	0.59	NIL	NIL	22	87
125.59	126.19	5112	0.6	.2	NIL	81	112
126.19	127.0	5113	0.81	.3	40	81	72[illegible]
127.0	127.94	5114	0.94	.3	40	87	87[illegible]
127.94	128.64	5115	0.7	.6	40	129	77[illegible]
128.64	129.14	5116	0.5	NIL	10	86	152
129.14	130.0	5117	0.86	NIL	NIL	49	59

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 13, 1988 PAGE 7 OF 11

DESCRIPTION

metres | cg, fg, mg—coarse, fine, medium grained; diss—disseminated | sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

130–150

126.19 – 128.64 – Graphite + Sulfide Zone

fg to aphanitic, highly graphitic, black, strongly foliated @ 82° to CA. 1-3% fg po, 1-2% py as foliation // qtz-calcite veinlets + stringers. Graphitic Mudstone / Argillite. Weakly silicified.
127.94 – 128.24 – 35% coarse grained py, 5% coarse grained po in qtz-gph-calcite gangue.

128.64 – 145.8 Sheared altered Conglomerate / Wacke

As at 125.59 – 126.19 but moderately silicified and sericitized. Sericite at contact with graphitic zone intense yellowish-green. Shear at 30-65° to CA. 15-35% often // qtz-calcite-py and qtz-calcite veinlets. Upper contact sharp and cut by graphitic zone oblique to shear foliation @ 45° to CA. Shear foliation drag folded in graphitic section.
128.64 – 128.99 – Most intensely sericitized section. At least 3 phases of intersecting qtz veinlets. 5-10% euhedral to subhedral vfg py, 0.5-1% fg po, 0.5-1% euhedral arsenopyrite, 1-5% graphite. Highly silicified. Arsenopyrite-bearing veinlets have a qtz/calcite gangue.
128.99 – 136.05 – Highly to moderately silicified, weakly to moderately sericitized, strongly sheared. Shearing @ 55°-65° to CA. 5-10% qtz veinlets in stringers // to oblique fractures. 5-10% fg py, 0.5-2% po, 0.5-2% arsenopyrite.
136.05 – 140.55 Moderately silicified, weakly chloritized sheared section. 1-3% fg py, 0.5-1% po, 0.03-0.1% arsenopyrite. Weak patchy sericite.
140.58 – 145.8 Moderately to highly silicified, weakly to moderately sericitized section as at 128.99 – 136.05. Weakly chloritized. 5-8% vfg to fg py, 0.5-1% po, 0.1-0.3% fg aspy. Foliation @ 65° to CA

145.8 – 147.33 – Graphite + Sulfide Zone

As at 126.19 – 128.64. Highly silicified. Contin...

ALTERATION & MINERALIZATION %

d—disseminated; p—pervasive; v—veined; mv—microveined; st—stockwork

metres	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	po
133	15-25	0.5-1.1	9-10	9-10	0.1-0.3	0	15-20	0	0	0	0.5-2% MV	5-10 MV	0.5-2% MV
138	9-10	0.25-0.6	9-10	8-9	0.3-0.5	0	3-5	0	0	0	0.03-0.1% MV	3-5 MV	0.5-1% MV
143	15-20	0.6-1.4	9-10	9-10	0.1-0.3	0	5-15	0	0	0	0.1-0.3% MV	5-8% MV	0.5-1% MV
146–147	10-15	0.6	9-10	7-9	0.3-0.5	0	0.5-2	0	35-40	0	0.5-1	2-4 MV	0.3-0.5 MV
149	5-8	0.5	9-10	7-9	0.5-0.5	0	0.5-2	0	50	0	0.5-1 MV,D	2-5 MV,D	0.3-0.5 MV,D

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu	Zn
130.0	130.8	5118	0.8	NIL	NIL	[illegible]	117
~~130.8~~	~~131.6~~	~~5119~~	~~0.8~~	NIL	~~NIL~~	[illegible]	[illegible]
~~131.6~~	~~132.6~~	~~5120~~	~~1.0~~	.2	~~NIL~~	54	[illegible]
~~132.6~~	~~133.6~~	~~5121~~	~~1.0~~	NIL	~~NIL~~	41	[illegible]
133.6	134.6	5122	1.0	NIL	NIL	[illegible]	78
~~134.6~~	~~135.3~~	5123	0.7	NIL	~~NIL~~	[illegible]	51
135.3	136.05	5124	0.75	NIL	NIL	46	[illegible]
136.05	137.0	5125	0.95	NIL	NIL	[illegible]	52
137.0	138.0	5126	1.0	NIL	NIL	[illegible]	46
138.0	139.0	5127	1.0	NIL	NIL	48	57
139.0	139.75	5128	0.75	NIL	NIL	42	46
139.75	140.55	5129	0.80	NIL	NIL	47	51
140.55	141.0	5130	0.45	.2	10	61	61
141.0	142.0	5131	1.0	NIL	NIL	62	62
142.0	143.0	5132	1.0	NIL	NIL	71	95
143.0	144.0	5133	1.0	.2	10	68	79
144.0	145.0	5134	1.0	.2	10	49	108
145.0	145.8	5135	0.8	NIL	30	47	157
145.8	147.33	5136	1.53	.3	20	104	160
147.33	148.0	5137	0.67	NIL	NIL	25	41
148.0	149.0	5138	1.0	NIL	NIL	34	85
149.0	150.0	5139	1.0	.2	NIL	51	58

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzve—quartz vein

150 – 170 metres

– highly sericitized sediment frags up to 4mm. Foliation @ 30° to CA. 2-5% fg py, 0.3-0.5% po, 0.5-1% cpy. ?? Pinkish ?? ?? veinlets at ~90° to CA. Small reddish-grey metallic mineral (?) associated with sulphides
147.33 – 151.77 – Sheared Silicified Wacke

As at 125.59-126.79 but highly silicified pervasive, weakly to moderately carbonatized, highly foliated, 3-5% fg disseminated py, 0.5-0.5% po, 0.1-0.3% fg dissem cpy. Tectonic fabric ?? downhole

151.77 – 195.35 Biotite Wacke

Similar to 36.02-66.02 but coarser grained wacke component makes up only 5% of section. 0.3-0.5% banded po. Section generally more calcareous than in overlying units (as abundant calcite-qtz veining)
152.92 – 153.46 – Moderately silicified and carbonatized section 0.5-5% po, 3-5% py ?? qtz-carb veinlets

161.0 – 169.7 – Moderately silicified section, 10-15% qtz-calcite flooding as foliated and discordant veinlets & stringers. 3-5% po, 0.5-1% py. Foliation @ 65° to CA.

ALTERATION & MINERALIZATION %

d—disseminated p—pervasive v—veined mv—microveined sk—stockwork

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	sf	cp	aspy	py	Po
5-8	0.5	7-10	7-9	0.5-0.?	0	2-5 / 2	0	50	0	0.5-1% D	3-5 mv,p	0.3-0.5 mv
0.3-0.5	0.2-0.3	0-2	4-6	0-0.3	0	0	0	0	0	0	0.2-0.3	0
5-10	1-1	3-?	7-8	3-5	0	0	0	0	0	0	3-5	0.5-5
0.3-0.5	0.0-0.3	0-2	4-6	0.2-0.5	0	0	0	0	0	0	0.0-0.3 D	0
10-15	0.5-1.4	4-5	5-7	2-4	0	0	0	0	0	0	0.5-1 mv	3-5 mv

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu	Zn
150.0	151.0	5140	1.0	.3	NIL	[illegible]	[illegible]
151.0	151.77	5141	0.77	NIL	NIL	[illegible]	74
151.77	152.42	5142	0.65	NIL	NIL	[illegible]	84
152.42	153.1	5143	0.68	.4	NIL	[illegible]	[illegible]
156.0	157.0	5144	1.0	NIL	NIL	48	136
161.0	162.0	5145	1.0	NIL	NIL	11	110
162.0	163.0	5146	1.0	.3	NIL	18	116
163.0	164.0	5147	1.0	NIL	NIL	9	105
164.0	165.0	5148	1.0	NIL	NIL	7	97
165.0	166.0	5149	1.0	NIL	NIL	19	97
166.0	167.0	5150	1.0	NIL	NIL	10	120
167.0	168.0	5151	1.0	NIL	NIL	16	114
168.0	169.0	5152	1.0	NIL	NIL	39	117
169.0	169.7	5153	0.7	NIL	NIL	49	12?

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 13, 1988 PAGE 9 OF 11

metres	DESCRIPTION (sg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
170	Biotite Wacke																					
172		1-3	0.0-0.3	0-2	4-6	1-3	0	0	0	0	0	0	0.1-0.3	0								
174-175	174.0-175.36 — 10-15% qz-calcite veinlets and breccia flooding @ 80 & 25° to CA. 3 intersecting veins dot 0.1-0.3% f.g. py	10-15	0.0-0.2	3-4	4-6	5-10	0	0	0	0	0	0	0.1-0.3 mv	0	174.0	175.36	5154	1.36	NIL	NIL	38	5[illegible]
177		1-3	0.0-0.3	0-2	4-6	0.5-1	0	0	0	0	0	0	0.1 mv	0.1 mv								
179	178.5-181.25 — 10% qz-calcite veining of various ∥ banding. Section containing 3-8% chert bands up to 1.5 cm wide. Matrix highly biotitic. 0.1-0.3% po bound ∥ mv. Banding @ 65° to CA.														178.5	179.5	5155	1.0	NIL	NIL	59	77
180		5-10	0.0-0.3	0-2	6-7	1-2	0	0	0	0	0	0	0	0.1-0.3 mv	179.5	180.5	5156	1.0	NIL	NIL	7[illegible]	51
181															180.5	181.3	5157	0.8	NIL	NIL	80	34
184		5-8	0.0-0.3	0-2	4-6	1-3	0	0	0	0	0	0	0.1-0.3 mv	0								
187	186.25-187.75 — 15% calcite qz veining 0.1-0.3% f.g. py	15	0.0-0.3	0-2	4-6	5-8	0	0	0	0	0	0	0.1-0.3	0	186.25	187.75	5158	1.5	NIL	NIL	80	44
190																						

DRILL HOLE 7-88-20 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE DECEMBER 13, 1988 PAGE 10 OF 11

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

metres	Description
190	Biotitic Wacke
195.35–206.5	Banded Chert - Chl - Bio Iron Formation
	[illegible] aphanitic, well bedded to banded composed of alternating [illegible] cherty bands up to 1.5 cm wide and biotite - chlorite phyllosilicate rich bands up to 3 cm. In places chert band [illegible] [illegible] with a [illegible] appearance. Chert beds [illegible] by bedding ‖ microveinlets (1-3%). Banding @ 60° to CA, well developed. 0.1-0.3 % [illegible] disseminated po.
	196.98 – 197.94 - Biotitic Wacke section. Foliated @ 62° to CA.
	204.9 – 206.5 – IF contains 1-3% large red-brown garnets up to 1 cm. Chloritic rich w/ 5-8% cherty beds.
206.5–222.19	Chloritic Wacke
	Alternating coarse and fine grained, moderately to highly chloritic as at 36.02-66.2 [illegible]. Weakly to moderately foliated, locally banded @ 60° to CA. 0.5-2% qtz-chlorite as foliation ‖ microveinlets and boudinaged lenses. 0.1-0.3 % fine po.

ALTERATION & MINERALIZATION %

d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

approx. metres	% veins	Mag. sus.	Shear int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
193	1-3	0.0-0.3	0-2	4-6	0.5-1	0	0	0	0	0	0	0-1 mv	0
196	3-5	↓	0-2	5-7	1-3	0	0	0	0	0	0	0	0-1 0
197.5	0.5-1		0-2	3-4	0.1-0.3	0	0	0	0	0	0	0	0.1-0.5, 0
202	0.5-1	0.0-0.1	0-2	5-7	1-3	0	0	0	0	0	6	0	
208.5	0.5-2	↓	0-2	4-6	0.5-1	0	0	0	0	0	0	0	0.1-0.3 mv+d

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
191.0	192.0	5159	1.0	Nil	Nil	15	[illegible]
195.35	196.35	5160	1.0	NIL	NIL	66	65
199.0	200.0	5161	1.0	NIL	NIL	75	38
203.0	204.0	5162	1.0	NIL	NIL	61	59
207.0	208.0	5163	1.0	NIL	NIL	78	36

DRILL HOLE T-88-20 PROJECT TWEED — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE DECEMBER 13, 1988 — PAGE 11 OF 11

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained disc—disseminated sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % d—disseminated p—pervasive v—veined mv—microveined sh—shearbound cal	chl	ser	tour	gf	cp	copy	py
210	CHLORITIC WASHE												
1													
2													
3													
4													
5													
6													
7													
8													
9													
220													
1													
2													
3	222.19 - End of Hole												
4													
5													
6													
7													
8													
9													
230													

SAMPLING							
FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
211.0	212.0	5164	1.0	NIL	NIL	15	30
215.0	216.0	5165	1.0	NIL	NIL	30	42
219.0	220.0	5166	1.0	NIL	NIL	46	78

DRILL HOLE T-88-21 PROJECT TWEED

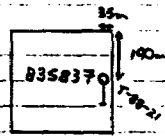
CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 20, 1988 PAGE 1 OF 9

AREA GRID 2
CLAIM 835837
CORE SIZE BQ
DATE STARTED DECEMBER 13, 1988
COMPLETED DECEMBER 16, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

		DOWNHOLE	VERTICAL
DEPTH	OVERBURDEN	56.4m	
	HOLE	209.08m	
ELEVATION			
CO-ORDINATES	NORTHING	15100S	
	EASTING	L12+00W	

LOGGED BY P. CASHIN
CHECKED BY Peter Cashin

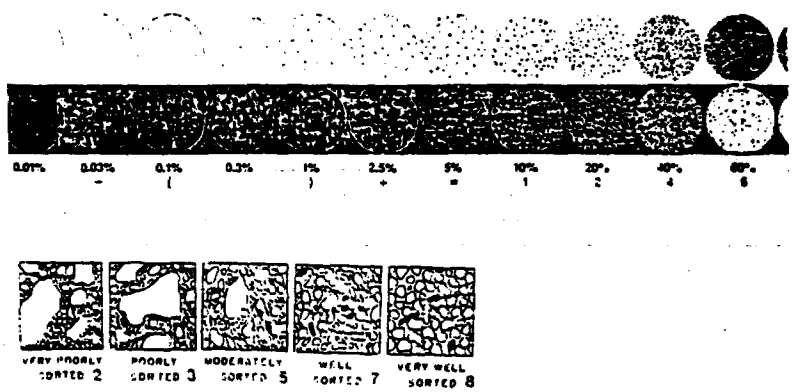


DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
60.96		-46.5°	
202.99		-38.5°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The Target Tested was a moderate to high Max Min conductor with moderate to high conductant properties. Centered at Line 12+00W/16+00S. The anomaly was observed to be caused by sulfide graphitic argillite at 92.05 - 95.42 containing 40-45% graphite, 55% crystalline pyrite, and 5-10% chalcopyrite. Small amounts of arsenopyrite were observed in bordered quartz stringers at 172.85m.



GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	56.4	OVERBURDEN
56.4	92.05	BIOTITIC WACKE
92.05	95.42	GRAPHITIC ARGILLITE
95.42	112.57	CHLORITIC WACKE
112.57	144.56	POLYMICTIC CONGLOMERATE
144.56	168.36	BIOTITIC WACKE
168.36	184.75	BIOTITIC LITHIC ARENITE
184.75	187.75	BIOTITIC LITHIC WACKE
187.75	193.0	CONGLOMERATE
193.0	209.08	BIOTITIC LITHIC WACKE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

5220 - 5283

DRILL HOLE T-88-21 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 20, 1988

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzv—quartz vein

0.0 – 56.4 – OVERBURDEN

56.4 = 92.05 <u>Biotite Wacke</u>

fg to aphanitic, med brown-grey, banded to foliated. Weakly garnetiferous with 0.5-0.5% flattened granular (brown-red) garnets up to 6mm. Flattening [illegible] banding @ 40-55° to CA. 5% grey siliceous bands (up to 2cm) alternate with biotite rich beds. 0.5-1% py as band ∥ microveinlets and disseminations 0.5-2% qtz-calcite veining as band ∥ and oblique features. 0.1-0.3% band oblique qtz-calcite tourmaline microveinlets @ 25° to CA.

61.1 – 62.23 – Silicified sericitized section w/ 0.1-0.3% po., 0.1-0.3% fg py dissemination. Ground core, 53cm lost.

66.3 – 72.55 – Section contains 75% calcareous biotite wacke bed.

% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	%
0.5-2%	0.0-0.3	0-2	4-6	0.5-1	0	0	0.1-0.3	0	0	0	0.5-1 mv,d	0.1-0.3 mv,d
0.3-0.5		0-2	5-7	0.1-0.3	0	1-2	0	0	0	0	0.1-0.3	0.1-0.3
0.6-2		0-2	4-6	0.5-1	0	0	0.1-0.3	0	0	0	0.5-1	0.1-0.3
1-3		0-2	4-5	10-15	0	0	0	0	0	0	0.1-0.5 d	0.1-0.3 d

SAMPLING

From (m)	To (m)	Sample #	Width (m)	Ag	Au ppb	Cu	Zn
59.0	60.0	5220	1.0	NIL	NIL	74	40
60.0	61.1	5221	1.1	NIL	NIL	67	107
61.1	62.23	5222	1.13	NIL	NIL	27	46
65.0	66.0	5223	1.0	NIL	NIL	32	54
69.0	70.0	5224	1.0	NIL	NIL	60	105

DRILL HOLE T-88-21 PROJECT TUGGO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 20, 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
70	BIOTITIC WACKE		0.0 – 0.2																			
1		1-3		0-2	1-9	10-15	0	0	0	0	0	0	0.5-0.5	0.1-0.3								
2	71.16 – 72.2 — Brecciated section w/ 1-2% py, 0.5% po as fracture filling microveinlets and disseminations	5-5		1-3	5-6	5-5	0	0.1-0.3	0	0	0	0	1-2 mv,d	0.5 mv,d	71.16	72.2	5225	1.04	·2	NIL	50	156
3																						
4		0.5-2		0-2	4-6	0.5-1	0	0	0.1	0	0	0	0.5-1%	0.1-0.3								
5																						
6	75.52 – 76.31 — Weakly to moderately chloritized, weakly sericitized, foliated section w/ 0.3-0.5 % po, 0.5-1% colloform py, 0.3-0.5% euhedral crystalline py. Colloform py precedes crystalline py.			1-3	4-6	0.5-1	0	0.1-0.3	0	0	0	0	0.5-2%	0.5-1%	75.5	76.5	5226	1.0	NIL	NIL	64	141
7																						
8																						
9																						
80																						
1															80.0	81.0	5227	1.0	NIL	NIL	45	215
2																						
3																						
4			0.2 – 0.6												83.0	84.0	5228	1.0	NIL	NIL	56	130
5																						
6																						
7																						
8															87.0	88.0	5229	1.0	NIL	10	45	18
9	89.27 – 89.43 — Sulfide cemented quartz breccia; core ∠ 40° to CA 50% fine crystalline matrix 10% colloform [illegible]														89.0	89.5	5230	0.5	·6	30	54	76
90															89.5	90.5	5231	1.0	NIL	10	28	186

DRILL HOLE T-88-21 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 20, 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
90	BIOTITIC WACKE														89.5	90.5	5231	1.0	NIL	10	[illegible]	[illegible]
1																						
2	91.45 – 92.05 – Sediment highly silicified w/ ~0.5-2% f.g. py in qtz-chl-calcite fracture filling veinlets)														91.45	92.05	5232	0.6	NIL	NIL	40	[illegible]
		–		1-3	6	0.5	0	0	0	2-5	0	0	1-5	0	92.05	92.55	5233	0.5	·2	NIL	[illegible]	[illegible]
3	92.05 – 95.42 Graphitic Argillite														92.55	93.55	5234	1.0	·2	NIL	54	143
4	f.g. to aphanitic, banded to foliated, black to grey. Section contains 40-45% graphite. Upper 26cm contains sulfide cemented breccia w. 55% euhedral py, 10% colloform py. banding @ 46° to CA. 94.77	2-5		1-3	4-6	0.5	0	0	0	40-45	0	0	0.5-2% mv,d	0.3-0.5 0.	93.55	94.77	5235	1.22	NIL	NIL	46	20
5	95.42 – Section contains 10-15% graphite, 60% calcite. 0.5-1% py mv, 0.3-0.5% po			1-3	3-5	60	0	0	0	10-15	0	0	0.5-	0.5	94.77	95.42	5236	0.65	NIL	[illegible]	54	119
6	95.42 – 112.57 Albitic Wacke																					
7	f.g. to aphanitic, massive, green-grey to red grey moderately siliceous, weakly chloritized. 0.5-1% 2%																					
8	grey-white qv ∥ to foliation ∥ and oblique as a result. Rock locally cherty. 0.5% fracture filled qtz-calcite																					
9	microveinlets w/ 0.3-0.5% f.g. euhedral py and as colloform py throughout. Colloform pyrite becoming more (abundant) downhole. Trace po wisps. Foliation/	0.5-2	0.0-6.6	0-1	6-7	0.3-1%	0	0	0	0	0	0	0.5% mv	0.1-0.3	98.0	99.0	5237	1.0	NIL	NIL	55	39
100	banding @ 52° to CA.																					
1	Foliation development increasing downhole.																					
2																						
3															102.0	103.0	5238	1.6	NIL	NIL	66	99
4																						
5																						
6															106.0	106.9	5239	0.9	NIL	NIL	48	106
7	106.9 – 107.1 . Fracture filling qtz-ankerite veining w/ 0.1-0.3%	0.5-2		0-1	0-1	0-3	0	0.3-0.5	0	0	0	0	0.5-2%	0	106.9	107.3	5240	0.9	NIL	NIL	51	18
8	crystalline py, 1% colloform py, Adjacent sediment moderately sericitic	0.5-2		0-1	6-7	0.3-1%	0	0	0	0	0	0	0.3-0.5 mv,d	0.1-0.3 mv,d	107.3	108.6	5241	1.3	NIL	NIL	32	128
9	108.6 – 112.57 – Sheared and brecciated wacke section with strong deformation fabric development @ 45-50°	0.3-0.5	0.3-0.5	5-7	5-7	0.5-1	0.1-0.3	0.3-0.5	0	0	0	0	1-4 mv,d	0.1-[illegible]	108.6	110.0	5242	1.4	NIL	NIL	59	110
110	[illegible] locally [illegible]																					

DRILL HOLE T-83-21 PROJECT TWEED **CHEVRON MINERALS LTD · DIAMOND DRILL LOG** DATE December 20, 1988 PAGE 5 OF 9

DESCRIPTION

metres: 110 – 130

eg. fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

Tuff, sericitic 1-3% py as fine euhedral grains and colloform stringers. 0.1% 0.3% po wisps || foliation. 0.5-1% blue quartz eyes up to 1.5mm.

112.57 - 144.56 Polymictic Conglomerate

fg to aphanitic, brownish grey, massive, composed of 3-5% sheared and altered sedimentary frags up to 4cm, 1-3% grey cherty frags up to 4cm (Hull?) stretched @ 60° to CA. Matrix supported in aphanitic biotitic material. Locally sheared and brecciated section throughout. 0.5-1% fine py, 0.3-0.5% po as foliation || wisps and MV. 1-3% blue quartz eyes up to 2mm. Sulfides observed as fracture filling veinlets throughout section.

112.57 – 113.59 – Sheared and brecciated section @ 35 - 45° to CA. Carbonatized. 3-5% fine to med grained py & colloform py, 0.1-0.5% wispy po. Weakly to moderately sericitic, weakly carbonatized.

117.22 – 119.34 – As at 112.57 – 113.59. Breccia cement composed of qtz - calcite.

0.3-0.5% black chert fragments, sub-angular to sub-rounded, up to 1cm also observed.

126.4 – 127.55 Brecciated and carbonatized section as at 117.22 - 119.34.

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	po
0.1-0.5	0.3-0.5	5-7	5-7	0.5-1%	0.1-0.3	0.3-0.5	0	0	0	0	1-4 MV,D	0.1-0.3 MV
5-10	0.1-0.5	7-8	5-7	0.5-1%	0.1-0.3	0.1-0.5	0	0	0	0	3-5 MV	0.1-0.5
0.3-0.5	0.1-0.5	5-6	6-8	0.5-1%	0	0	0	0	0	0	0.5-1 MV,D	0.3-0.5 FV,D
3-5	0.1-0.5	7-8	5-7	1-3%	0.1-0.3	0.5-0.5	0	0	0	0	0.5-2% MV,D	0.1-0.5%
0.3-0.5	0.1-0.5	5-6	6-8	0.5-1%	0	0	0	0	0	0	0.3-1%	0.1-0.3
3-5	0.0-0.1	5-7	5-7	1-3%	0	0	0	0	0	0	0.5-1%	0
0.3-0.5	0.1-0.5	3-5	6-[illegible]	0.5-1%	0	0	0	0	0	0	0.5-1%	0.1-0.3

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
110.2	111.5	5243	1.5	NIL	NIL	41	74
111.5	112.57	5244	1.07	NIL	NIL	54	47
112.57	113.59	5245	1.02	NIL	NIL	50	40
113.59	115.0	5246	1.41	NIL	NIL	52	40
115.0	116.0	5247	1.0	NIL	NIL	54	102
116.0	117.22	5248	1.22	NIL	NIL	59	100
117.22	118.5	5249	1.28	NIL	NIL	55	41
118.5	119.84	5250	1.34	NIL	NIL	42	95
121.6	123.1	5251	1.6	NIL	NIL	41	139
123.1	123.9	5252	0.8	NIL	NIL	53	92
126.4	127.55	5253	1.15	NIL	10	46	110
127.55	128.65	5254	1.1	—	—	—	—
128.65	129.75	5255	1.1				

DRILL HOLE T-88-21 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE December 20, 1988

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; dis—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	?	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
130	Polymictic Conglomerate/Agglomerate																					
1																						
2		0.3–0.5	0.1–0.5	3-5	6-8	0.5–1?	0	0	0	0	0	0	0.5–1?	0.1–0.3								
3																						
4	133.36 – 134.51 – Sericitized and brecciated section, 1-3% colloform py[illegible] 1x oblique qtz-calcite veinlets	2.5	0.0–0.1	5-6	5-7	0.5–1	0	3-5	0	0	0	0	1-3	0	133.36	134.51	5257	1.15	.3	NIL	61	143
5	134.31 – 137.69 – As at 133.36–134.51. Breccia fragments locally have reaction zones. Breccia[illegible] qtz-calcite veins and veinlets @ 30° to CA. More pyrite [illegible]														134.51	136.0	5258	1.33	NIL	NIL	50	15[illegible]
6		2-5	0.0–0.1	4-5	4-5	0.5–2	0	3-5	0	0	0	0	2-5	0								
7	Conglomerate/Agglomerate becoming finer grained, less fragment rich downhole														136.0	136.64	5259	1.64	.5	NIL	40	39[illegible]
8																						
9															138.79	138.84	5260	1.1	.2	NIL	60	56
140		0.3–0.5	0.1–0.5	3-5	5-6	0.5–1?	0	0	0	0	0		0.5–1?	0.1–0.3								
1																						
2																						
3															142.7	143.7	5261	1.0	.2	10		
4	143.75 – 144.56 – Altered breccia section as at 133.[illegible]	1-5–2	0.0–0.1	4-5	5-7	0.5–2?	0	2-4	0	0	0	0	0.5–2?	0	143.7	144.56	5262	0.86	.2	NIL		
5	144.56 – 168.36 Biotite Wacke														144.56	145.56	5263	1.0	NIL	NIL		
6	As at 56.4 – 92.05. Occasional 1cm cherty bands throughout. Banding @ 55° to CA.																					
7																						
8		0.1–0.3	0	0-3	3-5	0.1–?	0	0	0	0	0	0	0.1–0.5	0.0–0.1								
9															148.0	149.0	5264	1.0	NIL	NIL		
150																						

DRILL HOLE T-88-21 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 20, 1988

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
150	Biotitic Wacke													
154		0.3–0.5	0.0–0.3	0–2	4–6	0.5–1	0	0	0	0	0	0	0.3–0.5	0–0.1
159	159.05 – 161.92 – Section contains 15–20% calc-silicate bands 65° to C/A. Abundant qtz veining, brecciated, // banding 0.1–0.2% py, 0.03% aspy	5–10	0.0–0.2	0–3	4–6	10–15	0	0	0	0	0.03	0	0.1–0.3	0
164	164.34 – 164.7 Highly contorted banded chl-chert-qtz-sulfide [illegible] FORMATION (?). Contains possible [illegible] (?) 0.3–0.5% mag wt, 0.5–1% py, 1–3% po	0.3–0.5	0.0–0.3	0–3	4–6	0.5–1	0	0	0	0	0	0	0.3–0.5	0.0–0.1
169	168.36 – 184.75 Biotitic Lithic Arenite Fine to medium, red brownish-beige, massive to foliated	0.1–0.3	0.0–0.1	0–3	3–5	0.5–2	0	0	0	0	0	0	0.1–0.3	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
151.0	152.0	5265	1.0	NIL	10		
152.0	153.0	5266	1.6	NIL	NIL		
156.0	157.0	5267	1.0	NIL	NIL		
159.05	160.5	5268	1.45	NIL	40		
160.5	161.92	5269	1.42	NIL	NIL		
164.2	165.0	5270	0.8	NIL	20		
165.0	166.0	5271	1.0		50/56		
169.0	170.0	5272	1.0		NIL		

DRILL HOLE T-88-21 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE December 20, 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	sp	aspy	py	?	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
170	Biotitic Lithic Arenite		↓																			
2	Contains 3-5% lithic wacke [illegible] to 12cm. 15-20% sub-angular to sub-rounded [illegible] feldspar crystals up to 4mm. Matrix [illegible] fg [illegible] biotite. Foliation @ 65° to CA. Contains lozenges of coarser granitic [illegible] throughout [illegible]	0.3-0.5		0-3	3-5	0.5-2	0	0	0	0	0	0	0.1-0.3	0								
3		25		0-3	4-6	0.5-1	0	0	0	0	0	0.3-0.5	0.1-0.2	0	172.5	173.0	5273	0.5		20		
4	0.1-0.3% fg dissem py; 0.5%-2% band ∥ calcite microveinlets throughout [illegible] 0.3-[illegible]														~~173.0~~	~~174.0~~	~~5274~~	~~1.0~~		NIL		
5	[illegible] @ 169.35. Indicate tops to the south. 1-3% fg [illegible] throughout																					
6	Section becoming more lithic-rich downhole.																					
7	172.35 - 2cm qtz vein [illegible] @ 65° to CA (band parallel) 0.3-0.5% aspy, 0.1-0.3% fg py	0.1-0.3		0-3	3-5	0.5-2	0	0	0	0	0	0	0.1-0.3	0	177.0	178.0	5275	1.0		NIL		
8																						
9																						
180			0.0 - 0.1																			
1																						
2	181.6 - 181.35 - 15% qtz-carb veining as at 172.35 containing 0.3-0.5% fg py, 0.1-0.3% aspy ∥ foliation														181.0	182.0	5276	1.0		NIL		
3																						
4																						
5	184.75 - 187.75 Biotitic Lithic Wacke														185.0	186.0	5277	1.0		NIL		
6	As above but matrix rich with only ~5-7% lithic component. Matrix fine grained argillite. Lithic clasts composed of 3-5% flattened intermediate feldspar clasts up to 4cm, 1-2% biotite wacke [illegible] 1-9 cm	0.1-0.5		0-3	3-5	0.3-0.5	0	0	0	0	0	0	0.1-0.3	0								
8	187.75 - 190.0 Conglomerate																					
9	Matrix as in above lithic wacke but 5-15% [illegible] and intermediate feldspar [illegible]	0.1-0.5	↓	0-3	3-5	0.3-0.5	0	0	0	0	0	0	0.5-1% D	0	189.0	190.0	5278	1.0		10		
190																						

DRILL HOLE T-89-21 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE DECEMBER 20, 1990 PAGE 9 OF 9

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	
190	CONGLOMERATE up to 65cm. Rounded variably altered 0.5-1% Fine diss py throughout. Contains 1-3% altered volcanic frags, sub-angular [illegible] rounded up to 11cm. 0.5-1% sub-angular grey chert frags up to 1.0cm. Bedding/foliation @ 58° to CA. Rare boudinaged qtz vein frags up to 0.1.2 cm diameter		↓																		
191															191.0	192.0	5279	1.0		10	
192																					
193																					
194		0.1-0.5		0-3	3-5	0.5-0.5	0	0	0	0	0	0	0.5-1% D	0	193.8	194.8	5280	1.0		30	
195																					
196																					
197																					
198			0.0-0.1												198.0	199.0	5281	1.0		10	
199	199.0 - 209.08 Biotitic Lithic Wacke																				
200	As at 184.75 - 187.75. Feldspar porphyry clasts up to 3 cm. Foliation/flattening moderate @ 60° to CA.		0.0-0.1																		
201																					
202															202.0	203.0	5282	1.0		40/50	
203																					
204		0.1-0.5		0-3	3-5	0.5-0.[illegible]	0	0	0	0	0	0	0.1-0.5 D	0							
205																					
206															206.0	207.0	5283	1.0		NIL	
207																					
208																					
209			↓																		
210	209.08 - End of Hole																				

DRILL HOLE T-88-22 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 20, 1988 PAGE 1 OF 8

AREA GRID 8
CLAIM 861033
CORE SIZE BQ

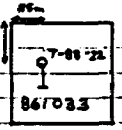
DATE STARTED DECEMBER 17, 1988
COMPLETED DECEMBER 18, 1988

CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

DEPTH — OVERBURDEN (DOWNHOLE) 47.25
HOLE (DOWNHOLE) 163.37
ELEVATION

CO-ORDINATES NORTHING 21265
EASTING L44+00W

LOGGED BY P. CASHIN
CHECKED BY Peter Cashin

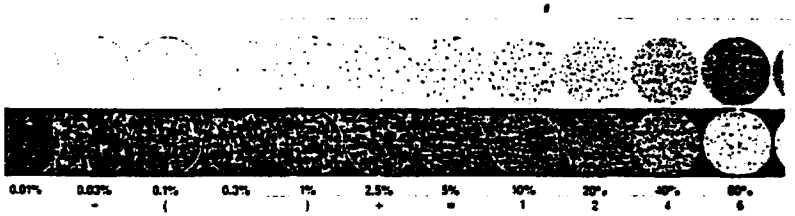


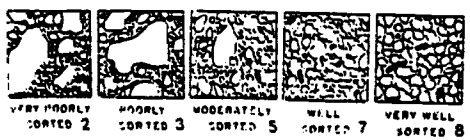
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

This hole was designed to intersect a moderate conductive feature with weak coincident magnetics. Drilling explained this feature to be due to massive pyrrhotite within a polymictic breccia at 100.28 – 100.63.





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	47.25	OVERBURDEN
47.25	88.8	Intermediate Ash Tuff/Fine Sediment
88.8	100.28	Banded Chert-Chlorite Wacke
100.28	100.63	Pyrrhotite-cemented BRECCIA
100.63	107.28	Banded Chert-Chlorite Wacke
107.28	134.08	BIOTITIC WACKE
134.08	134.8	Chert-Chlorite-Magnetite IF
134.8	140.37	BIOTITIC WACKE
140.37	145.51	CONGLOMERATE
145.51	148.35	BIOTITIC ARKOSE
148.35	151.18	BIOTITIC WACKE
151.18	155.0	BIOTITIC ARKOSE
155.0	162.46	Pebble to Cobble Conglomerate
162.46	163.37	BIOTITIC ARKOSE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
5284 – 5323

DRILL HOLE T-88-22 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 20, 1988 PAGE 2 OF 8

DESCRIPTION (fg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzve—quartz vein)

40 – 0.0 - 47.25 - OVERBURDEN

47.25 - 88.8 Intermediate Ash Tuff / Fg. Sediment

Fg to aphanitic, pale green-grey, massive 1-3% feldspar albite wisps, defines foliation @ 70° to CA, 1-2% grey white qtz eyes(?) up to 2mm. 0.5-1% rounded sericitized fsp-crystals up to 12mm. 0.1-0.5% py as foliation // laminations and disseminated grains.

47.25 - 60.0 - Section highly oxidized and broken up. Abundant lost core.

0.3 - 0.5% qtz-calcite veins + microveinlets // + oblique to foliation

Rock weakly chloritized, locally biotitic

Vein / structure / alteration & mineralization % (at ~53.5 m):

% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	ρ
0.3-0.5	0.0 (47.25-60.0)	1-3	3-4	0.1-0.3	0	0.5	0	0	0	0	0	0.3-0.5

(Alteration & mineralization key: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
50.0	51.0	5234	1.0	NIL	NIL	57	47
53.0	54.0	5285	1.0	NIL	NIL	54	32
57.0	59.74	5236	2.74	NIL	NIL	31	61

60

DRILL HOLE T-88-22 PROJECT TWEED — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE DECEMBER 20, 1988 — PAGE 3 OF 8

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % (d—disseminated, av—microveined, p—pervasive, v—veined, st—stockwork)								Py
						sil	ank	ser	tour	gf	cp	carb	py	
60	Intermediate Ash Tuff / Fine Sediment													
1														
2														
3														
4														
5														
6														
7														
8		0-3 / 0-3	2	1-3	3-4	0.5-1	0	0.1-0.2	0	0	0	0	0	0.1-0.5
9			0											
10			0											
1														
2														
3														
4														
5														
6	75.62 – 7cm section Highly chloritized section of 1-2% fg py and 1-2% po as disseminated stringers													
7	77.0 – 81.65 – Section contains 10-15% dark green chlorite pink bands up to 17cm wide. Contains 1-3% fg py; 0.5-1% po as band // microveinlets & veins													
8		3-5	0.1-0.4	1-3	4-5	0.5-1%	0	0	0	0	0	0	1-2% mv	0.5-1% mv
9														
30														

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb		
63.0	64.0	5287	1.0	NIL	NIL	23	19
67.0	68.0	5288	1.0	NIL	NIL	51	26
71.0	72.0	5289	1.0	NIL	NIL	63	40
75.2	75.8	5290	0.6	NIL	NIL	03	29
77.0	78.0	5291	1.0	NIL	NIL	49	24
78.0	79.0	5292	1.0	NIL	NIL	72	28
79.0	80.0	5293	1.0	NIL	NIL	33	28

DRILL HOLE T-88-22 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 20, 1988

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Pa	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb		
80																						
1		3-5	0.1-0.1	1-3	4-5	0.5-1%	0	0	0	0	0	0	1-2% mv	0.5-1%	80.0	81.65	5294	1.65	NIL	12/NIL	73	30
2	81.95 – 82.35 Section contains 60% biotite/chlorite wacke beds @ 63° to CA + 3% flattened granular garnet up to 4mm. Flattened ∥ bedding																					
3		0.3-0.5		1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0.3-0.5								
4	84.35 – 85.5 As above but contains 0.3-0.8% po, 0.3-0.5% py as band ∥ MV		0.1–0.3																			
5		3-5		1-3	4-5	0.3-0.5	0	0	0	0	0	0	0.3-0.5 mv	0.5-0.8	84.35	35.5	5295	0.65	NIL	NIL	51	33
6	85.5 – 86.95 – Sediment composed of 50% biotite & non-biotite beds from 8mm–1.5cm.																					
7		0.3-0.5		1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0.3-0.5 mv, D								
8	Tuff/Sediment observed to increase in proportion of biotite rich beds.																					
9	88.8 – 107.28 Banded Chert-Chlorite Wacke																					
90	Fg to aphanitic dark green to grey green banded rock composed of alternating grey siliceous chert layers up to 5mm (20% of section) and green chlorite/biotite rich layers (80% of section) up to 35cm. Chlorite rich layers contain from 0.5–5% flattened grossular (red-brown) garnet up to 8mm. Proportion cherty layers increase with depth. Banding @ 62° to CA. Garnets becoming more [illegible] downhole. 0.3-0.5% po, 0.1-0.3% [illegible] [illegible] parallel microveinlets														89.0	90.0	5296	1.0	NIL	NIL	23	69
1																						
2																						
3		0.3-0.5	0.0–0.1	1-3	3-4	0.3-0.5	0	0	0	0	0	0	0	0.1-0.3	93.0	94.0	5297	1.0	NIL	NIL	47	38
4																						
5																						
6															95.5	96.5	5298	1.0	NIL	NIL	40	75
7															96.5	97.5	5299	1.0	NIL	10	31	87
8	97.9 – 98.25 – 40% qtz-calcite veining @ 10° to CA. 0.3-0.5% po, 0.1% py	40	0-0.3	1-3	3-4	0.5-1%	0	0	0	0	0	0	0.1	0.3-0.5	97.5	98.5	5300	1.0	NIL	NIL	21	66
9		0.3-0.5	0.0-0.1	1-3	3-4	0.3-0.5	0	0	0	0	0	0	0	0.1-0.3								
100															97.28	100.28	5301	1.0	NIL	NIL	24	89

DRILL HOLE T-88-22 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 20, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzve—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, mv—microveined, p—pervasive, v—veined, st—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb		
100	100.28 – 100.63 – Massive pyrrhotite cemented breccia zone 70% po w/ 15% cherty frag/quartz vein with 8%, 20% wacke fragments up to 6 cm. Conductor / mag target.	—	4.2	0	5-6	0.5-2	0	0	0	0	0	0	0	70	100.28	100.78	5302	0.5	•2	3250	37	113
101															~~100.78~~	~~101.78~~	~~5303~~	~~1.0~~	~~NIL~~	~~NIL~~	24	71
103	103.11 – 103.96 – 2%-30% qtz-calcite veining @ 45° to CA 0.5-1.5% po stringers																					
103–104	103.5 – 107.28 Chert constitutes 85% of section. Bands separated by 1 cm biotite-wacke beds	0.5-0.5	0.0-0.1	1-3	4-6	0.5-0.5	0	0	0	0	0	0	0	0.1-0.3	103.0	103.5	5304	0.5	NIL	NIL	49	41
106–107															106.0	107.0	5305	1.0	NIL	NIL	68	46
107.28	107.28 – 134.08 Biotite Wacke																					
109–110	Fg to aphanitic, massive, weakly foliated, dark brown. 0.5-1% fg to vfg po as foliation // microveinlets & stringers. Upper contact gradational over 50 cm.	0.3-2%	0.0-0.1	1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0.5-1% MV	109.0	110.0	5306	1.0	NIL	NIL	43	92
111–112	111.6 – 114.95 – Wacke moderately silicified, med grey-green colour. Weakly sericitic. Qtz-calcite veinlets at 10° & 20° to CA. 0.5-0.5% fg po, 0.1-0.3% fg euhedral py dissem throughout.														111.6	112.6	5307	1.0	NIL	NIL	45	39
113		1-3%	0.0-0.1	1-3	6-8	0.5-2%	0	0.5-1%	0	0	0	0	0.1-0.5 D	0.1-0.5 D	112.6	113.6	5308	1.0	NIL	NIL	43	44
114															113.6	114.95	5309	1.35	NIL	NIL	41	79
117–118	117.1 – 117.83 – Section weakly sericitized, moderately silicified. Due to 1-3% hairline qtz + qtz-calcite microveinlets w/ 0.1-0.3	0.3-2%	0.0-0.1	1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0.3-0.5 D	117.0	118.0	5310	1.0	NIL	NIL	47	91
120																						

DRILL HOLE T-88-22 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 20, 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzv—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6	Alt. 7	Alt. 8	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb		
120	BIOTITIC WACKE																					
1																						
2															121.0	122.0	5311	1.0	NIL	NIL	43	30
3																						
4																						
5																						
6															125.0	126.0	5312	1.0	NIL	NIL	58	118
7		0.3-2%	0.0-0.1	1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0.1-0.3%								
8																						
9															129.0	130.0	5313	1.0	NIL	NIL	55	110
130																						
1																						
2	132.59 - 5cm Fault gouge zone @ 70° to CA.																					
3															133.0	134.08	5314	1.08	NIL	10	52	95
4	134.08 - 134.8 - Chert - Chlorite - Magnetite Iron Formation - 5-10% fine grained bands @ 65° to CA - 1-1% [illegible]	0	13-62	0	6-8	0.1	0	0	0	0	0	0	0	0	134.08	134.8	5315	0.72	NIL	40	24	24
5	134.8 - 140.37 Biotitic Wacke	0.3-1%	0.0-0.1	1-3	3-4	0.5-0.8	0	0	0	0	0	0	0	0.1-0.3								
6	As at 107.22 - 134.08																					
7	136.14 - 136.6 - 30% qtz - calcite : sericite veining @ random CA 0.1% (in py), 0.5 - 1% dissem aspy throughout country [illegible] adjacent veins.	30	0.0	0-2	5-6	5-10	0	0.5-1%	0	0	0	0.5-1%	0.1	0	136.0	136.6	5316	0.6		10		
8																						
9		0.5-1	0.0-0.1	1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0.1-0.3								
140																						

DRILL HOLE T-83-22 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE December 20, 1983

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION %	Py
140	~~BIOTITE WACKE~~						
1–5	140.37 – 145.51 – Conglomerate. [illegible] coarse grained cobble to pebble [illegible] polymictic clasts in [illegible] biotitic groundmass. Contains [illegible] sub-rounded grey cherty frags up 2.5cm, 3-5% potassic feldspar porphyry cobbles up to 5cm [illegible] Described in hole T-83-21 [illegible] biotitic [illegible] arkosic (168.36–184.75m). 3-5% altered biotitic wacke frags up to 9cm. 0.1–0.3% [illegible] po [illegible] // microveinlets and disseminated grains	0.1–0.5		0-3	3-5	0.5–2%; others 0	0.1–0.3
6–8	145.51 – 148.35 – Biotitic Arkose. [illegible] dark brown, massive, foliated 10-15% [illegible] qtz [illegible] flp crystal frags up to 3mm. 0.5-1% [illegible] calcite veinlets [illegible] 0.1% [illegible] po. Foliation @ 70° to CA.	0.5–1%		0-3	3-5	0.3–0.5; others 0	0–1 / 0
9–151	148.35 – 151.18 Biotitic Wacke. As of 134.3 – 140.37. Upper and lower contacts gradational over 10-20 cm.	0.5–1	0.0–0.11	0-3	0.5–1%	0	0.1–0.3
2–5	151.18 – 155.0 – Biotitic Arkose. As of 145.51 – 148.35	0.5–1%		0-3	3-5	0.3–0.5; others 0	0.1 / 0
6–160	155.0 – 162.45 Pebble to Cobble Conglomerate. As of 140.37 – 145.51. Correlative with same unit intersected by hole T-83-21 @ 187.75 – 199.0. 5-10% grey cherty frags up to 5cm, 3-5% potassic feldspar porphyry [illegible] up to 4cm, 10-15% biotitic wacke frags up to 4cm. Flattened with a 10:1 aspect ratio @ 60° to CA 15-20° foliation // calcite microveinlets 0.3-0.5% py 0.1-0.3% po [illegible] foliation // microveinlets 0.5-2% [illegible]	15–20		0-3	3-5	10-15; others 0	[illegible]

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb		
140.0	141.0	5317	1.0	NIL	NIL	48	87
146.0	147.0	5318	1.0	NIL	50	59	73
150.0	151.18	5319	1.18	NIL	NIL	57	77
154.0	155.0	5320	1.0	NIL	NIL	38	70
157.0	158.0	5321	1.0	NIL	100 / 140	46	75
158.0	159.0	5322	1.0	NIL	20	47	73
159.0	160.3	5323	1.3	2	NIL	52	141

DRILL HOLE T-88-22 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 20, 1988 PAGE 8 OF 8

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
160	Pebble to Cobble Conglomerate																					
1		15-																				
		20	0.0-0.1	0-3	3-5	10-15	0	0	0	0	0	0	0.3-0.5 mv	0.1-0.3 mv								
2																						
3	162.96-163.37 - Biotite Arkose As at 145.51-148.35	0.5-1		0-3	3-5	0.3-[illegible]	0	0	0	0	0	0	0	0.1								
4	163.37 - End of Hole																					
5																						
6																						
7																						
8																						
9																						
0																						
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
0																						

Similar Diamond Drill Logs.

from OM88-6-C-258

added July, 1990

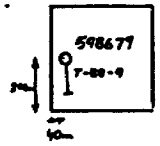
DRILL HOLE T-88-9 PROJECT TUCCO

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE October 25/88 PAGE 1 OF 10

AREA Grid 5
CLAIM 798679
CORE SIZE BQ
DATE STARTED October 26, 1988
COMPLETED October 29, 1988
CONTRACTOR Dominik
UNITS METRIC
COMMENTS HOLE STOPPED AT 180.46 m DUE TO SEIZING OF DRILL STRING. MAJOR SAND SEAM (FAULT) INTERSECTED AT 141.5m

DEPTH | DOWNHOLE | VERTICAL
OVERBURDEN
HOLE
ELEVATION
CO-ORDINATES NORTHING 23+25 N
EASTING 17+00 E
LOGGED BY M. Dishin
CHECKED BY Peter Cochin

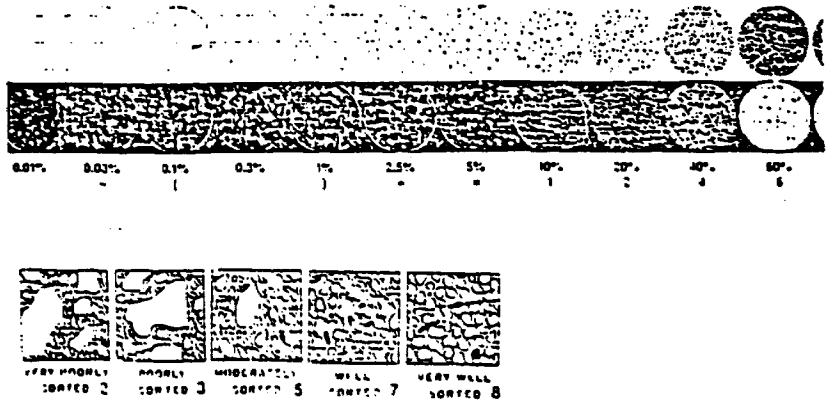


DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
22.17m		-49°	Acid Test
76.1 m		-50°	" "
121.8 m		-48°	" "

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to intersect a moderately conductive, roughly E-W trending feature with coincident magnetic contrast on line 17+00 E/22+00 N on Grid 5. The conductor was intersected 142.19 - 142.34 and is explained by a fluid-filled fault gouge zone. Of note was the development of a strong tectonic foliation in the rocks at 140.3 - 180.46. Biotite-Chl-St ± Fe-carbonate alteration characterized the deformed rocks. The package is cut locally by Po-Py-Cp ± MT bearing qtz-tourmaline-Fe-carbonate and quartz-epidote-chlorite veins, veinlets and stringers. A small section of silicified, chlorite bonded breccia exhibits was also intersected in the volcano-sedimentary package at 92.12 - 94.75.



GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	22.05	OVERBURDEN
22.05	31.62	AMPHIBOLITE SCHIST
31.62	37.47	MAGNETIC AMPHIBOLITE SCHIST
37.47	52.55	AMPHIBOLITE SCHIST
52.55	54.54	LITHIC ARKOSE
54.54	78.5	AMPHIBOLITE SCHIST
78.5	81.0	BIOTITIC WACKE
81.0	92.12	AMPHIBOLITE SCHIST
92.12	94.75	CHERT-CHLORITE OXIDE EXHALITE
94.75	98.67	CHLORITIC WACKE
98.67	140.3	AMPHIBOLITE SCHIST
140.3	180.46	SHEARED AMPHIBOLITE
	180.46	END OF HOLE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton
			NSV

ASSAY NUMBERS
4566 - 4609
4701 - 4716

DRILL HOLE T-88-9 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE OCTOBER 27/88 PAGE 2 OF

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG PPM	Au ppb	CU PPM
20–22	0 - 22.05 - Overburden																				
22.05–31.62	22.05 - 31.62 <u>Amphibolite Schist</u> Strongly, massive to foliated, dark green to green-grey schist [illegible] alternating bands of amphibole, chlorite and feldspar rich, from 5 mm - 1.2 cm. Moderately to strongly developed foliation @ 80° to CA. Total mineral 50% amphibole, 0% chlorite, 40% feldspar, 0.5% disseminated pyrite and in association w/ 1-2 mm qz microveinlets	0.5%	0.1 – 0.4	2	6	0	0	0	0	0	0	0	0.5 D, mv	0	22.05	23.17	4561 4651→ (?)	1.17		NIL	
															24.37	25.37	4566	1.0		NIL	
															25.37	26.21	4567	0.84		NIL	
															26.21	26.91	4568	0.7		NIL	
31.62–37.42	31.62 - 37.42 <u>Magnetic Amphibolite Schist</u> Finer grained analogy of above described lithology. Contains 3% Po as foliation parallel microveinlets (0.05-1 mm) and 3-5% fg disseminated magnetite. 2% py, 0.5% qz-qtz-calcite microveinlets on foliation set @ 10° to CA. Schistosity @ 75° to CA.	1%	1.6 – 2.8		6	0.1	0	0	0	0	0.5	0	0.1 mv, D	2 mv, D	31.62	32.62	4569	1.0		NIL	
															32.62	33.62	4570	1.0		NIL	
															33.62	34.62	4571	1.0		NIL	
															34.62	35.62	4572	1.0		NIL	
															35.62	36.52	4573	0.9		NIL	
															36.52	37.42	4574	0.9		NIL	
37.42–40	37.42 - 52.55 <u>Amphibolite Schist</u> As T 22.05 - 31.39	0.3	0.0 – 0.0		6	0	0	0	0	0	0	0	0	0.3 D, mv							

DRILL HOLE 7-85-9 PROJECT TWEED **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE OCTOBER 27, 1985

DESCRIPTION

cg, fg, mg — coarse, fine, medium grained; diss — disseminated; sfol, mfol, wfol — strong, medium, weak foliation; qzvn — quartz vein

Amphibolite Schist

42.95 – 43.0 : 2% epidote, 0.3% calcite altered bands up to 3mm wide

46.0 – 50.0 : 3% hematite coating on fracture planes @ 45° to CA

46.9 – 47.1 : Small felsic feldspar porphyry intrusive @ 55° to CA

52.55 – 54.54 Lithic Arkose — Foliation @ 80° to CA.
Mod. foliated, brownish-grey with orange-brown mottling composed of 15% rounded feldspar clasts up to 6mm in biotite matrix

54.54 – 78.5 Amphibolite Schist
As at 22.95 – 31.62 but weakly to moderately epidotized throughout. Schistosity @ 78° to CA
0.3% calcite-ankerite veining @ 32° to CA. 1-3mm wide
0.3% v.fg disseminated pyrite throughout

57.74 – 58.04 – Waste – interflow sediment layer. Contacts sharp @ 65° to CA

Interval	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	[illegible]	gf	cp	aspy	py	Po
42.95 – 50.0	0.3%	0.0 – 0.1%	2	6	0	0	0	0	0	0	0	0.5 D	0
46.9 – 52.55	0.3%	0.0 – 0.1%	2	6	0	0	0	0	0	0	0	0.5 D	0
52.55 – 54.54	0.3%	0.0 – 0.1%	1	4	0	0	0	0	0	0.1 D	0	0.3 D	0
54.54 – 78.5	0.3%	0.0 – 0.1%	2	6	0	0	0	0	0	0	0	0.3 D	0
57.74 – 58.04	0			8	0.1	0	0.3	0	0	0	0	1.0 D	0

SAMPLING

From (m)	To (m)	Sample #	Width (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
42.95	43.0	4575	0.55		IC/NIL		
43.0	44.3	4576	1.3		NIL		
44.3	44.9	4577	0.6		NIL		
46.0	46.9	4578	0.9		NIL		
58.04	59.04	4579	1.0		IC		
59.04	59.95	4580	0.81		NIL		

DRILL HOLE T83-9 PROJECT TUCCO **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE October 28, 1983 PAGE 4 OF

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
60–63	58.04 – 52.85 – Intermediate Feldspar Porphyry: mdg, massive, green-buff porphyritic 55% feldspar up to 6mm, 1-2% biotite, 3% feldspar, 1.0% fine dissem. to blebbed py; 40% quartz; local patchy weak sericite at random	0.3		2	5	0.1	0	0	0	0	0	0	0.3 D	0								
63–65	63.54 – 65.34 – As at 58.04 – 52.85. Contacts sharp, [illegible] @ 80° to CA. Small fracture w/ [illegible] offset observed at lower contact @ 30° to CA	0		0	8	0	0	0.3	0	0	0	0	1 D	0								
66–70		0.3	0.0 – 0.2	2	5	0	0	0	0	0	0	0	0.3 D	0								
71–73	70.88 – 72.63 As at 58.04 – 57.85. Moderate patchy sericitization as alteration selvage along fractures at 0° and 30° to CA – 1% dissem. fine py. Contact sharp @ 75° to CA			0	8	0	0	4	0	0	0	0	1 D	0	70.88	71.88	4581	1.0		NIL		
															71.88	72.63	4582	0.75		NIL		
73–74				2	5	0	0	0	0	0	0	0	0.3 D	0								
74–75	74.4 – 75.0 Moderately sheared, highly chloritized section @ 55° to CA. 3% py, 0.5% Po, 0.1% cpy as blebs // qtz-calcite-quartz veins & microveinlets from 2mm – 1.2cm	5	0.8	6	4	0.3	0	0	0	0	0.1	0	3	0.5	74.4	75.0	4583	0.6		NIL		
75–76		0.3	0.002	2	5	0.1	0	0	0	0	0	0	0.5 D	0	75.0	75.78	4584	0.78		NIL		
76–78	75.78 – 78.5 – Finer grained massive amphibolite section. Moderately magnetic. 0.5% fine magnetite, 0.8% Po. Comment: Chill margin to a large gabbroic intrusive body?	0	1.7 – 2.4	1	5	0	0	0	0	0	0	0	0	0	76.78	76.58	4585	0.8		20/NK		
79–80	78.5 – 81.0 – Biotite Wacke. Fine banded to massive brownish green [illegible]	0	2.2	2	5	0	0	0	0	0	0.01	0	3.0	2 P	78.5	78.75	4586	0.25		NIL		
			0.2	0	6	0	0	0	0	0	0.0	0	0.1	0	78.75	79.4	4587	0.65		NIL		
															79.4	79.76	4588	0.36		10		
			2.2 – 3.8	2	5	0	0	0	0	0	0.03	3.0	0	2 P	79.76	80.15	4589	0.39		NIL		

DRILL HOLE T-88-9 PROJECT Tucco **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE October 28, 1988 PAGE 5 OF

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sh—stockwork

Description	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
Biotite Wacke	10	3.7	3	5	0	0	0	0	0	0.5	0	4 mv, d	5 mv, d
78.52 – 1.5 cm chlorite slip @ 75° to CA	0.5	0.1	3	5	0	0	0	0	0	0	0	0.3	0.5
	0	0.0	0	8	0	0	0	0	0	0	0	0.5	6
Banding at 78° to CA. Composed of 3 cm wide biotite-rich (60%) and 1 cm wide chlorite-rich bands (30%). Band parallel 8% fine pyrite microveinlets and 2-3% pervasive pyrrhotite mineralization throughout	4	0.0–1.2	2	5	0	0	0	0	0	0	0	2.5 mv, d	3 mv, d
78.75 – 79.4 – Lithic Arkose section as described at 52.55 – 54.2. Massive. Lower contact gradational over 3 cm	0.3	0.0–0.1	2	5	0	0	0	0	0	0	0	0.5 d	0
79.4 – 79.76 – 25% siliceous quartz ∥ primary bedding @ 85° to CA. 3% po, 15% py, 0.5% cpy as bands ∥ along & microveinlets													
79.76 – 80.15 – Feldspar Porphyry. Upper & lower contact sharp 85° to CA. Discordant to banding	15	2.1–3.8	3	6	0	0	0	0	0	0.3 d, mv	0	2 mv, d	11 p
80.15 – 81.0 – As of 79.4 – 79.76 but 5% po, 4% py, 0.5% cpy (Sulfide iron formation)	0.5	0.0	2	5	0	0	0	0	0	0	0	6.5 d	0
81.0 – 92.12 Amphibolite Schist													
fg to vfg, massive to moderately schistose, dark green to green-black. As of 22.05 – 31.62 composed predominantly of amphibole and feldspar. Schistosity @ 67° to CA. Moderately chloritic, weakly to moderately epidotitic	0	0.0–0.2	0	7	0	0	0	0	0	0	0	0.5 d	0
81.8 – 82.23 Biotite feldspar porphyry. Contacts @ 90°, sharp													
82.23 – 84.0 Biotite Wacke. 3% po, 0.5% py as diss. & microveinlets. Banding @ 80° to CA	2%	1.0–8.2	2	5	0.3	0	0	0	0	0	0	0.5 mv, d	1 mv, d
85.90 – 87.61 As of 82.23 – 84.0. 10% pervasive ?, 2% po, 0.3% cpy. Occasional cherty bands and altered amphibolite frags up to 3 cm. Weak banding @ 55° to CA													
87.61 – 89.23 Moderately epidotized pillow breccia. Angular pillow breccia frags up to 10 cm observed	0	0.0–0.2	1	5	0	0	0	0	0	0	0	0.3 d	0
89.23 – 92.12 Massive porphyritic mafic to intermediate intrusive 35% euhedral white and grey fsp up to 3 mm in mafic groundmass													
92.12 – 94.75 Chert - Chlorite Banded Oxide Exhalite	0.5	0.1	2	5	0	0	0	0	0	0	0	0.3 d	0
fg to vfg, strongly banded to contorted, dark green to													

SAMPLING

From (m)	To (m)	Sample #	Width (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
80.15	81.0	4590	0.85		NIL		
82.23	83.03	4591	0.8		20		
83.03	84.0	4592	0.97		NIL		
85.96	86.96	4593	1.0		20		
86.96	87.61	4594	0.65		20		
90.50	[illegible]	4595	[illegible]		NIL		
92.12	93.12	4596	1.0		NIL		
93.12	94.12	4597	1.0		NIL		
94.12	94.75	4598	0.63		NIL		
95.35	95.75	4599	0.4		10		

DRILL HOLE T-88-9 PROJECT Tweed

CHEVRON MINERALS LTD. DIAMOND DRILL LOG

DATE October 27, 1988 PAGE 6 OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

green-grey, 1-5% massive to disseminated magnetite bands (8mm) 5% grey arkosic dirty bands (.3-3cm). 10% chlorite bands (4mm-2cm), 1-2% epidote rich band, 50% biotite. banding @ 65° to CA
0.5% py, 1% po as band // microveinlets & disseminations. 2% garnets as // parallel concentrations, more abundant at bottom of section

97.75 - 98.67 *Chloritic Wacke*

As at 78.5-81.0 but chlorite more abundant than biotite. (reworked mafic flows?) Bedding @ 65° to CA
0.5m of small band parallel garnet concentrations (1-2mm)

98.67 - 140.3 *Amphibolite Schist*

As at 22.05 - 31.62. Schistosity @ 80° to CA
0.5% black chlorite hematite microveinlets @ 25° to CA. 0.5%-1% fine py associated with patchy to microperv(?) epidote throughout
100.22 - 101.16 - K. feldspathized feldspar porphyry intrusive. Contacts sharp @ 85° to CA.

106.04 - 108.27 10% epidote - discordant veinlets and veins from 3mm - 2cm and random patches. 0.3% calcite 2% po, 2% py associated with epidotized sections. 10% chlorite clots (2-4mm), flattened // schistosity (@ 63° to CA)
Vuggy sections at random.
Schist has spotted appearance, which is a unique feature of this unit (5-10% chlorite clots up to 5mm).
1-3% patchy epidote at random throughout. 3% feldspar porphyry sections from 8-30 cm wide throughout

108.7 - 117.0 3% hematite paint on late fractures @ 30° to CA. Minor specularite observed on these fractures

111.66 - Small, 1cm microperv(?) veinlets observed @ 90° to CA. Are cut by 1% qtz-tour microveinlets @ 15° to CA. 1% fine semi-massive py. Another oblique fracture/veinset (@ 30°) - locally folded. Filled with qtz-epidote

113.56 - 114.6 - 1-2% qtz-tour-carb vein. 1% fine banded py, 0.3% mt 0.1% hm along selvages. @ 15° to CA.
116.2 - 117.35 - 15% carbonatization w/ 1% qtz-tour-hematite microveinlets

Interval	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	? %
green-grey unit	0.5	0.0	0	8	0	0	0	0	0	0	0	0.3 D	0
97.75 - 98.67	1	0.1-0.3		5	0	0	0	0	0	0	0	0.5 D	0
98.67 -	5	0.5-2.7	3	7	0	0	0	0	0	0	0	2 mv,D	2 mv,D
	0.5-1%	0.0-0.4	2	5	0.1	0	0	0	0	0	0	0.5 D	0.3 D
	2	1.1-3.3	2	5	0.3	0	0	0.5	0	0	0	1 mv	0
	0.5-1%	0.1-0.8	2	5	0.1	0	0	0	0	0	0	0.5 mv	0.3 mv
			2	6	0.1	0	0	0.5	0	0	0	1 mv	0.5 mv
			2	5	0.1	0	0	0	0	0	0	0.5 mv	0.1 mv

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn
106.04	106.84	4600	0.8		NIL		
108.51	109.51	4601	1.0		NIL		
111.56	112.56	4602	1.0		NIL		
112.56	113.56	4603	1.0		NIL		
113.56	114.6	4604	1.04		NIL		
114.6	115.4	4605	0.8		NIL		
115.4	116.2	4606	0.8		NIL		
116.2	117.35	4607	1.15		NIL		

DRILL HOLE T-88-9 PROJECT Tucco **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE October 29, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres	Description
120	Amphibolite Schist
121	at 25° to CA. 0.5%. 1% [illegible] py [illegible]
122	117.8 – 132.89 – Amphibolite section [illegible] 1-3% qtz-carb-epi [illegible]
122	122.57 – 123.12 – [illegible] porphyry intrusive. Contacts sharp
123	@ 85° to CA. 0.5% epi. 2% [illegible] clots. 35% [illegible] [illegible] fsp up to 5mm. Weakly potassic, calcareous
127	127.57 – 127.83 – Small [illegible] section @ 87° to CA: 0.5% qtz-carb-epi [illegible] @ 15° to CA. Cut by qtz-carb-[illegible] @ 55° to CA. 0.5% [illegible] py [illegible] 5mm wide potassic altered selvages
130	130.4 – 130.62 – Potassic feldspar porphyry as at 122.57–123.12 by 5% potassic altered. Contacts @ 10° to CA
132	133.0 – 4cm long, massive [illegible] dyke. Contacts sharp @ 78° to CA.
136	136.0 – 136.54 – Intermediate feldspar porphyry. Contacts @ 90° to CA. Sharp, [illegible]
137	136.54 – 136.7 – Chlorite clots flattened in the foliation plane @ 80° to CA.
138	138.45 – 139.85 – Amphibolite developing a moderate foliation @ 90° to CA. Partial alteration of chlorite clots
139	139.85 – 140.30 – Fabric development strengthened to obliterate chlorite clots. Fabric @ 90° to CA
140	

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork)

Approx. depth	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	f
121.5	0.5	0.2–0.7	2	5	0.1	0	0	0	0	0	0	0.3 mv	0.1 mv,d
123	0.3	0.1	0	8	0.1	0	0	0	0	0	0	0.5	0
125.5			2	5	0.1	0	0	0	0	0	0	0.3 mv	0
127.8			5	5	0.3	0	0	0.1	0	0	0	0.3	0
132	0.5	0.2–0.8	2	5	0.3	0	0	0	0	0	0	0.3 0	0
136.5			0	3	10	0	0	0	0	0	0	0.50	0
138.5			2	5	0.1	0	0	0.1	0	0	0	0.3	0.1
139.5			4	5	0.1	0	0	0.1	0	0	0	0.5	0.3

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
121.1	122.1	4608	1.0		NIL		
122.1	123.12	4609	1.02		NIL		
126.6	127.1	4610	0.5		NIL		
127.1	127.5	4611	0.4		NIL		
127.5	127.9	4612	0.4		20/NIL		
138.45	139.0	4613	0.55		NIL		
139.0	139.85	4614	0.85		NIL		

DRILL HOLE T-88-9 PROJECT TWEED — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE Oct. 29, 1988 — PAGE 8 OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

14.0 — AMPHIBOLITE – SCHIST

140.3 – 180.46 Sheared Amphibolite

As at 92.67 – 140.3 but strong shear fabric development @ 55° to CA. [illegible] composed of 40% plag, 40% amphibole, 10% pale green chlorite, 5% calcite as foliation ∥ veinlets & stringers & 1-3% (py, po) 0.5% po as disseminations and along ∥ veinlets. Crenulation of shear fabric @ 72° to CA noted (~⊥ to plane).

140.72 – 140.81 – Tour–qtz–carb vein @ 65° to CA. 75% tour, 15% grey qtz, 5% pink [illegible] calcite, 3% chlorite, 2% euhedral [illegible] py.

141.8 – 142.19 – Strongly epidotized, chlorite pillow breccia(?) section.

142.19 – 142.34 – Fault gouge, loss of circulation. Probable cause of conductor!

– Sulfide-bearing qtz-carb-tour veinlets have biotite alteration haloes from [illegible] – 10 cm wide.

144.2 – 147.78 – Section highly epidotized and epidote-carb-qtz. all veined throughout. Make out relict pillow selvages. Believed to be a tectonized pillow breccia section. 30% epidote, 1% calcite, 10% chlorite; 1-3% py, 0.5-1% po associated with epidotized sections as foliation ∥ microveinlets, disseminations and stringers. Foliation moderately developed, highly contorted. 1-2% feldspar dykes (?) discordant to foliation, locally foliated throughout. Shear foliation @ 65-75° to CA.

147.78 – 149.26 – As at 144.2 – 147.78 but moderate epidote (15%). Foliation @ 75° to CA.

149.2 – 150.7 – Plessite feldspar porphyry. 3-5% biotite & [illegible] foliation, 20% euhedral to subhedral white [illegible] up to 6mm. Grey-brown colour, 1% chlorite, 1% [illegible] fine [illegible]. py. 1-3% qtz-tour carb veining @ 0-10° to CA. Silica-[illegible] sericite selvages. Upper 37 cm marked by potassic [illegible] dykes with 5cm wide biotite altered selvage. Contacts sharp @ 90° to CA (upper) + 30° to CA (lower). 3% qtz-tour veining @ 20° to CA. Foliation @ 70° to CA.

151.43 – 152.23 – Strongly epidotized pillow breccia section w/ 5% [illegible] 2% po. Small 10 cm [illegible] w/ 3cm biotite [illegible]

ALTERATION & MINERALIZATION %

d—disseminated; p—pervasive; v—veined; mv—microveined; st—stockwork

% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	po
0.5	0.0	6	5	0.5	0	0	0.1	0	0	0	0.5	0.1
2-4	0.2-0.8	7	6	1	0	0	0.1	0	0	0	2	0
5%	0.2-0.8	8	6	0.5	0	0	0.1	0	0	0	1-3 MV,D	0.5 MV,D
20%	1-2	6	8	T	T	T	0.5	0	0	0	1-3 MV,D	0.5 MV,D
5	0.2-0.7	8	6	0.5	0	0	0.1	0	0	0	1-3 MV,D	0.5 MV,D
10%	0.5-0.7	6	7	0.5	0	0	0.1	0	0	0	1 MV,D	0.3 MV,D
3	0.0-0.1	5	8	0	0	0	1	0	0	0	0.5 D	0
5	0-0.2	7	8	1	0	0	0.1	0	0	0	1 MV	0.3 MV,D
15	2-3	5	8	0.5	0	0	0	0	0	0	5 D,P	2 D,P
20			8	0.5	0	0	0.3	0	0	0	3 MV	0.5-1% MV
0.5	0.0-0.6	7	6	0.3	0	0	0	0	0	0	0.5 MV	0.3 MV
10			8	0.5-1	0	0	1	0	0.5-1 MV	0	1% MV,D	5-N MV,D
0.5			6	0.3	0	0	0	0	0	0	0.5 MV	0.3 MV
3.5	8-9		7	0.5-1	0	0	3-5	0.3	0.1 MV	0	0.5-1% MV	1-3 MV

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
139.85	140.3	4615	0.45		10		
140.3	140.9	4616	0.6		NIL		
140.9	141.8	4617	0.9		NIL		
141.8	142.34	4618	0.54	—	NIL	—	
142.34	143.4	4619	1.06		NIL	—	
143.4	144.2	4620	0.8		NIL		
144.2	145.2	4621	1.0	—	NIL		
145.2	146.2	4622	1.0	—	NIL		
146.2	147.2	4623	1.0		NIL		
147.2	147.78	4624	0.58		NIL		
147.78	148.43	4625	0.65	—	NIL		
148.43	149.2	4626	0.78		NIL		
149.2	149.7	4627	0.5		NIL		
149.7	150.7	4628	1.0		20		
150.7	151.48	4629	0.78		NIL		
151.48	152.23	4630	0.75		20		
152.23	152.73	4631	0.5		10		
152.73	153.43	4632	0.7		NIL		
153.43	154.13	4633	0.7		NIL		
154.13	154.93	4634	0.8		NIL		
154.93	155.93	4635	1.0		NIL		
155.93	156.74	4636	0.81		NIL		
156.74	157.39	4637	0.65		NIL/10		
157.39	158.1	4638	0.71		NIL		
158.1	158.55	4639	0.45		NIL		
158.55	159.35	4640	0.8		NIL		
159.35	160.0	4641	0.65		NIL		

DRILL HOLE F-88-9 PROJECT TWEGO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE OCT 27, 1988 PAGE 9 OF /

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained disc—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

160

152.78 – 154.8 – Strongly epidotized pillow breccia section as at 144.2–147.78). 1–3% act, 3% py, 0.5–1% po on foliation ‖ veinlets & stringers in qtz–calcite gangue. Foliation contorted.

154.2 – 156.74 Allogetic probe. Fg, banded mafic volcanic-derived sediment. Occasional biotite band qtz 2cm wide 0.5% qtz–epi–calcite veining with 0.5% microveinlets of py and 0.5% po. Banding @ 80° to CA.

156.79 – 158.1 – As at 152.2–156.79 but banding Z-folded and 10–15% biotite, 3–10% po, 0.5–1% cpy, 1% py as discordant qtz–tour–calcite veins & veinlets. Veins have carbonate selvages up to 1cm wide. 1.5cm spherical body of bright pink-green mineral found @ 156.88.

158.1 – 180.46 – Amphibolite. Highly sheared foliated and drag folded. Z fold geometry observed. CA° variable from 0 – 60° to CA.

158.56 – 159.97 – 3–5% qtz–tour–calcite veining, banded, are foliation parallel (0–20° to CA) and oblique (35°–40° to CA). Hard biotite–calcite altered selvages 1–3% po, 0.5–1% py, 0.1% cpy as fracture fillings in veins & at vein selvages.

170

162.2 – 163.12 – Foliated Potassic Feldspar Porphyry Shield @ 10–40 to CA

165.55 – 168.77 – 3–5% qtz–tour–calcite ± graphite veining + ribboned, from 1–7cm wide, foliation ‖ to oblique. Foliation from 0–55° to CA. Veins have 1–4 cm wide biotite alteration selvages 1–3% py, 1–2% po, 0.1–0.3% cpy. Crenulation cleavage oblique to shear @ 40° to CA observed

173.0 – 176.57 – Section moderately biotitic giving rock a brownish hue. 15% biotite ‖ foliation. 0.5%–1% py, 0.5% po, in foliation ‖ and oblique veins, microveinlets. 1% felsic dykes @ 60–65° to CA at random.

176.57 – 178.9 – Moderately to weakly textured amphibolite section 5–10% chlorite clots, partially flattened observed @ 70° to CA

178.9 – 180.46 – As at 173.0–176.57

180

ALTERATION & MINERALIZATION %

d—disseminated p—pervasive v—veined mv—microveined st—stockwork

% veins	Mag. sus.	Shear int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	asy	py	B
0.5–1	0.0–0.6	8–9	7	0.5	0	0	0.3	0	0	0	0.5 mv 0	0.3 mv 0
0.5		7	8	0	0	0	0.1	0	0	0	0.3 0	0.2 0
0.5 1			7	0.3	0	0	0	0	0	0	0.5 mv 0	0.1 mv 0
3–5			7	0.5–1	0	0	2	0.3	0.1 0.3	0	1–3 mv	1–2 mv
2–3		8–9	7	0.5–1	0	0	0.5	0	0	0	0.5 mv	0.3 mv 0
1			6	0.5	0	0	0.5	0	0	0	0.5–1 mv	0.5
0		3	5–6	0	0	0	0	0	0	0	0.3 0	0
0.5		8–9	6	0.5	0	0	0.1	0	0	0	0.5 mv 0	0.1 mv 0

SAMPLING

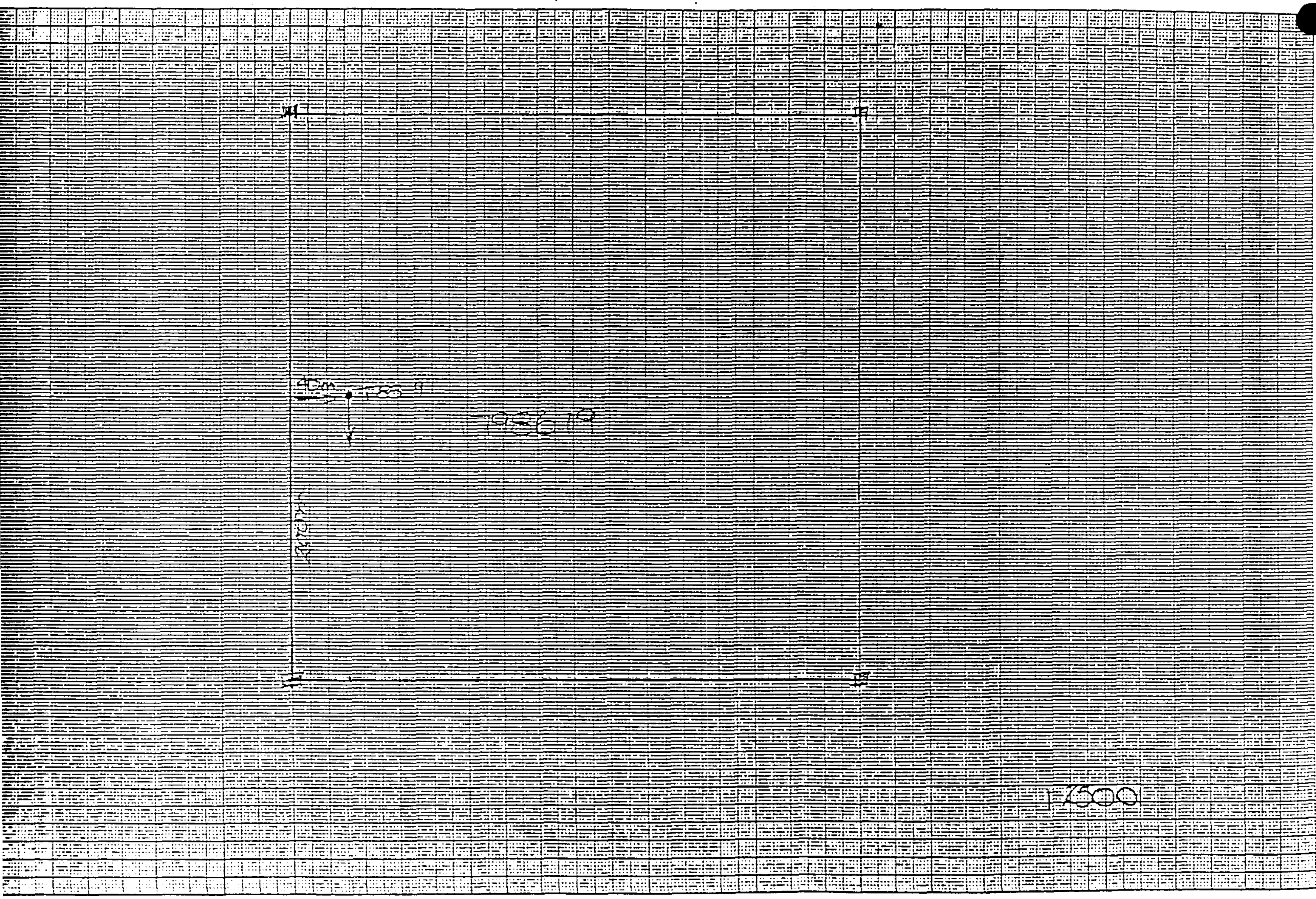
FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
160.0	161.0	4642	1.0	—	NIL	—	—
~~161.0~~	~~162.2~~	4643	1.2	—	NIL	—	—
162.2	163.12	4644	0.92	—	NIL		—
163.12	163.97	4645	0.85		NIL		
163.97	164.97	4646	1.0	—	NIL		
164.97	165.55	4647	0.58		NIL		
165.55	166.55	4648	1.0		40		
166.55	167.35	4649	0.8		50/30		
167.35	168.35	4650	1.0		NIL		
168.35	168.77	4701	0.42		NIL		
168.77	169.47	4702	0.7		NIL		
169.47	170.07	4703	0.6		NIL		
170.07	171.07	4704	1.0		NIL		
171.07	172.07	4705	1.0		NIL		
172.07	173.0	4706	0.93		NIL		
173.0	173.7	4707	0.7		NIL		
173.7	174.7	4708	1.0		NIL		
174.7	175.4	4709	0.7		NIL		
175.4	176.2	4710	0.8		NIL		
176.2	176.8	4711	0.6		NIL	—	
176.8	177.8	4712	1.0		NIL		
177.8	178.9	4713	1.1		NIL		
178.9	179.5	4714	0.6		NIL		
179.5	180.25	4715	0.75		NIL		

DRILL HOLE T-83-9 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE OCT 27, 1931 PAGE 10 OF

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Pb	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu/Zn ppm
180	180.46 End of Hole	0.5	0.0	8	6	0.5	0	1	0.1	0	0	0	0.6 mv	0.1 mv	180.25	180.46	4716	0.21		NIL	

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork

SAMPLING



DRILL HOLE T-88-10 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

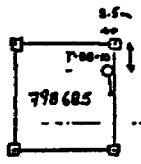
DATE Oct 24/88 PAGE 1 OF 11

AREA Grid 5
CLAIM 798685
CORE SIZE BQ

DATE STARTED OCTOBER 22, 1988
COMPLETED OCTOBER 25, 1988

CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

DEPTH | DOWNHOLE | VERTICAL
OVERBURDEN
HOLE
ELEVATION
CO-ORDINATES NORTHING 20+25N
EASTING 22+00E
LOGGED BY P. CASHIN
CHECKED BY Peter Cashin

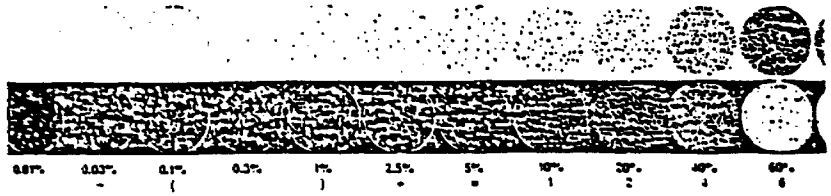


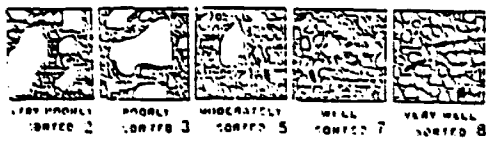
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
23.1m		-51°	Acid Test
76.1m		-51°	"
122 m		-47°	"
166.2m		-46°	"

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

- Sediments observed to become finer grained and less chloritic downhole.
- Drill was planned to intersect a moderately conductive feature centered at line 22+00E/18+75N. Two sulfide-bearing graphitic wacke sections intersected at 136.29 – 141.4 and 168.65 – 172.0 explain
- a small section of sulfide-cemented breccia containing 10% P, 3% Py was also intersected at 49.15 – 50.77





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	21.6	OVERBURDEN
21.6	49.15	CHLORITIC WACKE
49.15	52.5	ARENITE
52.6	66.05	BIOTITIC FELDSPAR PORPHYRY
66.05	90.33	CHLORITIC WACKE
90.33	95.64	MAFIC VOLCANIC
95.64	102.88	GARNETIFEROUS WACKE
102.88	136.29	WACKE
136.29	141.4	GRAPHITIC WACKE (CONDUCTOR)
141.4	146.0	ALTERED FELDSPAR PORPHYRY
146.0	168.65	WACKE
168.65	172.0	GRAPHITIC WACKE/SHEAR ZONE
172.0	203.0	WACKE
	203.0	End of Hole

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

4511 – 4564

DRILL HOLE F-88-10 PROJECT 1593 CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE OCT 29/88

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

Alteration & mineralization %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres: 20 – 40

0.0 – 21.6 – OVERBURDEN

21.6 – 49.15 – CHLORITIC WACKE

Fmg, weakly banded and foliated, dark green to green grey. Banding composed of 85% chlorite-rich bands of alternating thin biotite-rich bands (15% from 5mm to 3cm). Banding @ 60° to CA. <1% hairline to 1mm quartz-calcite veinlets + stringers // banding. Weak fracture set at 15° to CA. <0.5% pyrite stringers + disseminations at random. Non calcareous.

Local epidote-rich bands up to 1.5cm wide (0.5% of section). Section intruded by 75% of felsic to intermediate porphyry intrusives. Composed of 45-50% euhedral white feldspar phenos (up to 5mm), 20-25% euhedral to subhedral quartz (1-2mm), 5%-10% biotite wisps, 3-5% chlorite. Intrusive contacts with sediments @ 85° to CA. Intrusive contain <0.5% fine dissem py. Component feldspar locally K-metasomatized. 1-2% [illegible] veining within intrusive @ 20° to CA.

- Seds. observed to contain local [illegible] bands 8mm to 5cm and containing up to 8% pinkish-buff garnets (2-7mm)

% VEINS: <0.5% (21.6 – 40)

MAG. SUS.: 0.2 – 0.4 (21.6 – 40)

	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	po
Sediments (~24 m)	1	5 SEDS	0.03	0	0	0	0	0	0	0.3 V.	0
Porphyry (~27 m)	0	3 PORPH	0	0	0	0	0	0	0	1.0 D	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	Au ppb	Cu ppm	Zn ppm
26.18	27.18	4511	1.0	.2	20	171	27
32.18	33.18	4512	1.0	NIL	30	37	41
37.18	38.18	4513	1.0	NIL	NIL	44	Z
38.98	39.48	1565	0.5	NIL	5	41	5

DESCRIPTION — cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION % — d—disseminated; p—pervasive; v—veined; mv—microveined; st—stockwork

40

CHLORITIC WACHE

45.5 – 46.97 – WACHE HIGHLY CHLORITIC and moderately GARNETIFEROUS (10% garnets from 2-5mm).

46.97 – 49.15 – Feldspar porphyry moderately epidotized, weakly sericitized? Weak foliation developed at 86° to CA. 3% chlorite - minor calcite veinlets ∥ the fabric. Lower contact gradational over 20cm

49.15 – 52.5 ARENITE

49.15 – 50.71 – arenite moderately silicified and brecciated with 10% po, 3% py in qtz-chlorite gangue as breccia cement and veinlets ∥ to fractures @ 30° to CA. Spotty epidote.
fine to med, massive to banded (@55° to CA). Alternating biotite & chlorite-rich bands

52.6 – 66.05 Biotitic Feldspar Porphyry

Mdg, massive weakly foliated. 75% euhedral to subhedral feldspars (6mm), 3-5% quartz (2mm), 10-15% micro biotite, 1% epidote. Blue iridescence on some feldspars leads to conclusion of presence of labradorite. Upper contact sharp @ 75° to CA. Massive, non-porphyritic chill margin over 80cm. 0.3% py, 0.3% po, 6% cpy as disseminated grains
Biotite exhibit a P.O.O. @ 65° to CA.

5% vitreous quartz veinings (5mm–12cm wide) @ 25° to CA
Weak sericite at vein margins. Trace sulfides

60

Interval	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
40 – 49	<0.5%	0.2 – 0.4											
45.5 – 46.97			2	5	0.03	0	0	0	0	0	0	0.3 D	0
46.97 – 49.15			0	8	0	0	0	0	0	0	0	0.5 V	0
49.15 – 52.5	10%	3.5 – 4.8	2	7	0	6	0	0	0	0	0	3	10
52.6 – 66.05	5%	0.0 – 0.1	0	8	0	6	0.3	0	0	0.1 D	0	0.3 D,V	0.3 D

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
42.78	43.78	4514	1.0	NIL	NIL	28	Z[illegible]
46.97	48.15	4515	1.13	NIL	NIL	24	2[illegible]
48.15	49.15	4516	1.0	NIL	NIL	50	47[illegible]
49.15	49.85	4517	0.7	1.1	10	957	10[illegible]
49.85	50.8	4518	0.95	.9	20	551	60[illegible]
50.8	51.9	4519	1.10	NIL	NIL	35	2[illegible]
51.9	52.5	4520	0.5	.6	30	267	2[illegible]
57.0	57.8	4521	0.8	NIL	5	30	3[illegible]
57.8	58.6	4522	0.8	NIL	30	33	2[illegible]

DRILL HOLE T-88-10 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE October 24/88

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

60 Biotite Feldspar Porphyry

63.05 - 66.05 - Porphyry weakly to moderately chlorite
63.52 - 63.8 - Chert rubble section (Cherty IF). 2% po, 0.5% py, 0.2% cpy as qtz-cal veinlets, 1-3 mm. Banding at 80° to CA
64.05 - 64.9 - 15% average quartz flooding veins @ 85° to CA
64.05 - 64.9 - Trace sulfides

66.05 - 90.39 Chlorite Wacke
As at 21.6 - 49.0. Banding @ 75° to CA

66.05 - 66.65 - Sulfide-bearing cherty IF. Banding @ 80° to CA. 10% po, 8.0% py, 1-2% cpy. As late fracture fillings to semi massive concentrations. Selvages to sulfide section, 30% biotite-rich

67.65 - 68.3 - 5% chlorite porphyroblasts (?) up to 4 mm

69.8 - 70.25 Sulfide-cemented breccia section. 20% Po, <0.5% cpy. Breccia frags, sub angular to sub-rounded 95% wacke, 5% chert. Minor chlorite veinlets at random

71.03 - 72.53 - Chlorite feldspar porphyry. Contacts sharp @ 78° to CA.

<0.5% fracture-filling quartz-calcite veins
<0.5% py-po as microveinlets + disseminations throughout

metres	% veins	mag. sus.	shear int. 0-10	hardness 0-10	cal	ank	ser	tour	gf	cp	asp	py	Po
62	5%	0.0-0.1	0	8									
64	0	1.7	0	10						0.1V	0	0.3V	2.5V
65	5-15%	0.0-0.1	2	6	0	0	0.1	0	0	0.1	0	0	0.1
66	12%	3.4	0	9	0	0	0	0	0	1	0	1	10
68	0	0.0-0.2	0	5	0	0	0	0	0	0.1	0	0.3	0.3
70	0	5.2	6	5	0	0	0	0	0	0.3D	0	0	20
71			0	5	0	6	0	0	0	0	0	0.3	0.3
72			0	8	0	0	0	0	0	0	0	0.1 D	0.1 D
76	0.5%	0.0-0.2	0	5	0.03	0	0	0	0	0	0	0.3 MV	0.3 MV

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
63.5	63.8	4523	0.3	.3	NIL	329	27
63.8	64.9	4524	1.1	NIL	5	69	59
66.05	66.65	9525	0.6	6.1	NIL	380	14
66.65	67.15	4526	0.5	.2	NIL	100	74
67.15	67.55	4527	0.4	.7	10	280	47
69.9	70.25	4528	0.45	3.7	10 NIL	499	52
70.25	70.75	4529	0.5	.4	NIL	105	83
70.75	71.25	4530	0.5	1.0	NIL	375	64
74.0	74.98	4531	0.98	NIL	5	76	35

DRILL HOLE T-88-10 PROJECT TWECO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE OCT 25, 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
80	Chloritic Wacke														80.0	81.08	4532	1.08	NIL	NIL	69	25
1																						
2																						
3																						
4																						
5				1	5	0.03	0	0	0	0	0	0	0.3 D	0.3 D	84.3	85.3	4533	1.0	NIL	5	101	36
6																						
7	Bedding @ 87.4 @ 60° to CA.																					
8																						
9																						
90	89.44 - 90.33 - Biotite Feldspar Porphyry	0.5%	0.0 - 1.0 - 0.2	0	8	0	0	0.03	0	0	0.3 D	0	0.5 D	0								
1	90.33 – 95.64 Mafic Volcanics														90.4	91.4	4534	1.0	NIL	NIL	86	37
2	fg, massive, dark green to green-grey, moderately chloritic occasional garnet-epidote rich (pillow) selvages throughout																					
3	<0.5% py as foliation parallel microveinlets and disseminations			0	2	0	0	0	0	0	0	0	0.5 D	0								
4	91.57 – 92.7 - Crystalline core section of mafic flow. As above but mdg. Intersertal plagioclase comprise 55% of rock, 1% epidote, 25% chlorite																					
5	Upper and lower contacts gradational over 15cm																					
6	95.64 – 102.88 Garnetiferous Wacke														95.64	96.7	4535	1.06	NIL	20	120	45
7	fg, massive to banded, 40% biotite, 3-10% euhedral garnets (2mm – 5mm), 10-15% chlorite, dark green to brown-green.																					
8	Banding @ 78° to CA.			0	5	0.1	0	0	0	0	0	0	0.5 D, MV	0								
9	0.5% py as fine microveinlets and disseminations																					
100	1% qtz-calcite veining ‖ banding and in fractures @ 18° to CA.																					

DRILL HOLE PROJECT CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
100	Wacke																					
2				0	5	0.1	0	6	0	0	0	0	0.5 D,MV	0								
3	102.88 – 136.29 Wacke														102.88	103.88	4536	1.0	NIL	5	85	3[illegible]
4	As at 95.64–102.88 but non-garnetiferous																					
7	107.73 – 108.14: Arenite lens, biotite, massive, upper and lower contacts sharp @ 90° to CA			0	5	0.1	0	6	0	[illegible]	0	0	0.3 D,MV	0								
9	0.2 – 0.5% qtz-calcite veinlets throughout, parallel to foliation	0.5%	0.0 – 0.2																			
110															110.0	111.0	4537	1.0	NIL	5	83	32
1	111.35 – 112.75 Biotite Feldspar Porphyry																					
2	Weak fabric @ 90° to CA. Parallel alignment of component biotite			0	7	0	0	0	0	0	0	0	0.5 D	0								
6				0	5	0.3	0	0	0	0	0	0	0.3 MV,D	0.5 MV,D								
7															116.65	117.65	4538	1.[illegible]	NIL	10	96	[illegible]
120																						

DRILL HOLE T-88-10 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE OCT 25, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; st—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	chl	ser	tour	gf	cp	aspy	py	po
120	WACKE	1.0% (120–135.7)	0.0–0.12 (120–135.7)											
128				1	5	0.3	0	0	0	0	0	0	0.3 MV, D	0.5 MV/D
136	135.71 – 136.29 Biotite Feldspar Porphyry, Contact @ 65° to CA			0	9	0	0	0	0	0	0	0	0.5D	0
137	136.29 – 141.4 … Graphitic Wacke (CONDUCTOR)	3%	0.2–0.7											
138	Fg to locally mg, massive to banded, dark green-grey to black.			2	3	0	0	0	0	15 P	0	0	3 MV	1 MV
139–140	Section composed of 15% carbonaceous bands from 6-25cm wide at random throughout. Banding @ 90° to CA. 3% fg py, 0.5-1% po as bands, parallel microveinlets and stringers (CONDUCTOR)			1	9	0	0	0.3	0	0	0	0	0.3 MV	0.1 MV

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	Au ppb	Cu ppm	Z[illegible] ppm
123.75	124.75	4539	1.0		NIL		
128.85	129.85	4540	1.0		15/20		
135.71	136.29	4541	0.58	NIL	NIL	12	5[illegible]
136.29	137.39	4542	1.1	NIL	NIL	35	80
137.39	137.89	4543	0.5	0.5	NIL	95	60
137.89	139.0	4544	1.11	NIL	NIL	19	3[illegible]
139.0	140.2	4545	1.2	NIL	NIL	27	3[illegible]

DRILL HOLE T-88-10 PROJECT TWEGO **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE OCT 25/88 PAGE 8 OF 11

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
140.0–141.4	Section contains 90% biotite-sericite altered feldspar porphyry	1?	0.7	2	3	0	0	0	0	20 p	0	0	3 MV	1 MV
141.4–146.0	**141.4-146.0 Altered Feldspar Porphyry** — massive, mty, dark brown with reddish-orange mottling; intermediate to felsic composition; chiefly biotitic, moderately silicified, locally sericitic along quartz vein selvages. 5% quartz-ankerite-calcite veins (3mm-1cm) @ 25° to CA. 3% py, 0.5% po, 0.1% aspy as microveinlets, also observed 0.3% sph. Veined section weakly K-metasomatized	5%	0.1	6	9	0.3	0	0.3	0	0	0	0.1 MV,V	3 MV,V	0.5 MV,V
146.0–151.25	**146.0-168.65 Waste** — As at 95.64-102.88. Weakly foliated and banded @ 60° to CA. 0.5% garnet as patches. Sub-hedral up to 2mm			1	5	0	0	0	0	0	0	0	0.3 MV,D	0.1 MV,D
151.25–153.15	151.25-153.15 - Intermediate feldspar porphyry. Contacts sharp @ 80° to CA (altered) chilled sections at 153.3 - 153.55 and 153.75-153.95	0.3	0.0	0	7	0	0	0	0	0	0	0	0.3 D	0.1 D
153.15–155.6				0	5	0	0	0	0	0	0	0	0.1, MV	0.3 MV
155.6–156.9	155.6-156.9 Biotite Quartz-Feldspar Porphyry. Massive, dark brown-green, mdst. Composed of 30% fsp, 60% quartz, 10% biotite. 0.5% dissem py. Lower contact sharp @ 90° to CA	3		0	8	0	0	0	0	0	0	0	0.3, D	0
156.9–160		0.1		1	5	0	0	0	0	0	0	0	0.3 MV	0.1, D

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	Au ppb	CU ppm	Zn ppm
140.2	141.4	4546	1.2	NIL	NIL	70	25
141.4	142.2	4547	0.8	NIL	NIL	9	51
142.2	143.0	4548	0.8	NIL	NIL	33	10[illegible]
143.0	143.8	4549	0.8	NIL	NIL	20	5[illegible]
143.8	144.6	4550	0.8	NIL	NIL	8	5[illegible]
144.6	145.4	4551	0.8	NIL	NIL	11	5[illegible]
145.4	146.0	4552	0.6	NIL	NIL	46	6[illegible]
150.0	151.0	4553	1.0	NIL	NIL	57	10[illegible]
157.0	158.0	4554	1.0	NIL	NIL	46	9[illegible]

DRILL HOLE T-88-10 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE OCT 26/88 PAGE 9 OF 11

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	asp	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	Au ppb	CU ppm	ZN ppm
160	WACKE																					
163															163.0	164.0	4555	1.0	NIL	NIL	57	96
164		0.1		1	5	0	0	0	0	6	6	0	0.1 MV	0								
169	168.65 - 172.0 Graphitic Wacke (CONDUCTOR) - SHEAR ZONE		0.0 - 0.1												168.65	169.35	4556	0.7	.4	NIL	66	210
170	Wacke same as above but contains 5% massive graphite bands 3mm - 9cm. Shear foliation weak to moderate @ 90° to CA. 0.5% py microveinlets and stringers parallel foliation. 0.5% qtz-carb veinlet ∥ foliation. Section weakly sericitized particularly on footwall part of section. Core ground up 169.5 - 171.0	0.5		4	5	0.2	0		0	5	0	0	0.5 MV, 0	0	169.35	171.0	9557	1.65	.5	NIL		
171															171.0	172.0	4558	1.0	.5	NIL	106	425
173	172.0 - 203.0 WACKE																					
174	As at 146.0 - 168.65																					
175	Foliation weakly developed @ 80° to CA																					
176	Weakly garnetiferous with 3-5% garnets up to 2mm. Local sections contain up to 5% muscovite-rich augen structures. Flattened ∥ foliation	0.8		1	5	0.2	0	0	0	0	0	0	0.5	0								
177	0.5% qtz-calcite-chlorite veinlets ∥ foliation. 0.3% fine py microveinlets at 0° to CA														177.0	178.0	4559	1.0	NIL	NIL	57	146
180																						

DRILL HOLE T-83-10 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE OCT 26/83 PAGE 10 OF 11

Legend: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein; d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

% VEINS: 0.3 (180–200); MAG. SUS.: 0.0 - 0.1 (180–200)

metres	DESCRIPTION	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tou	gf	cp	aspy	py	[illegible]	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	Au ppb	CU ppm	ZN ppm
180	WACKE																			
183		1	5	0.2	0	0	0	0	0	0	0.5	0								
184													183.0	184.0	4560	1.0	NIL	NIL	55	18[illegible]
185	185.36 - 189.56 = Intermediate Feldspar Porphyry. Massive, medium grained, green-grey. Composed of 50% [illegible] to [illegible] feldspar, 10% chlorite, 40% interstitial quartz. 0.5% disseminated py. Local epidote spots. Upper and lower contacts sharp @ 85° to CA.																			
187–188		0	8	0	0	0	0	0	0	0	0.3	0								
190–191		1	5	0.2	0	0	0	0	0	0	0.3	0	189.56	190.56	4561	1.0	NIL	NIL	45	10[illegible]
192–193	191.96 - 193.06 = Chlorite Arenite. Mafic, massive, 5% chlorite, 35% rounded feldspar clasts up to 2mm.	0	5	0.1	0	0	0	0	0	0	0.1 D	0								
194	193.06 - 194.15 Sericite Arenite. As above but weakly sericitic and 2% qtz-epidote. Rare qtz vein @ 0° + 30° to CA. Feldspars have been partially K-metasomatized.	1	5	0.1	0	0.3	0	0	0	0	0.3 D	0	193.06	194.15	4562	1.09	NIL	NIL	19	79
197–198		1	5	0.2	0	0	0	0	0	0	0.3 D	0	197.9	198.4	4563	1.0	NIL	NIL	22	62
200																				

DRILL HOLE T-83-16 PROJECT Tweed CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE OCT 25/83 PAGE 11 OF 11

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % d—disseminated p—pervasive v—veined mv—microveinlet sh—stockwork cal	chl	ser	tour	gf	cp	sooty	py	A	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au ppb	Cu ppm	Zn ppm
200																						
1	WACKE																					
		0.3	0-0 -0-1	1	5	0	0	0	0	0	0	0	0.3 0	0								
2																						
3															202.0	203.0	4564	1.0	NIL	NIL	89	36
	203.0 - End of Hole																					
4																						
5																						
6																						
7																						
8																						
9																						
210																						
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
0																						

DRILL HOLE T-88-11 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 1988 PAGE 1 OF 14

AREA GRID 5
CLAIM 798681
CORE SIZE BQ

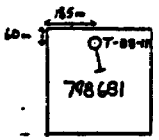
DATE STARTED October 28, 1988
COMPLETED November 2, 1988

CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS HOLE T-88-11 STOPPED IN OVERBURDEN AT 62.7m due to caving. T-88-11a displaced 2m south along line 17+00E and redrilled

DEPTH	DOWNHOLE	VERTICAL
OVERBURDEN	67.44m	
HOLE	300.53	
ELEVATION		

CO-ORDINATES NORTHING 16+90N
EASTING L17+00E

LOGGED BY Ed Hees, P. Cashin
CHECKED BY Peter Cashin

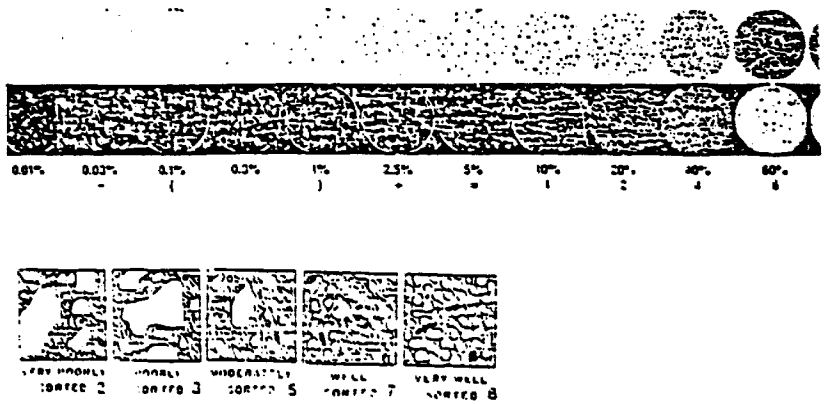


DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
68.89 m		-51°	Acid Tube
123.75 m		-48.5°	" "
169.47 m		-46.5°	" "
215.19 m		-46.5°	" "
276.0 m		-46.5°	" "
300.0 m		-46.3°	" "

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to be part of a stratigraphic fence north of an E-W trending magnetic iron formation unit. Geophysics also indicates the a graphitic clean/breccia unit, intersected in drillholes T-88-7 and T-88-10 would be present. The graphitic horizon was indeed intersected at 118.04 - 119.56 by well as 175.22 - 175.4 & 178.82 - 179.08
The whole section is predominated by fine epiclastic rocks with rare lithic arkose units and intruded by intermediate feldspar porphyry intrusives



GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	67.44	OVERBURDEN
67.44	92.60	MAFIC SEDIMENTS W/ MINOR FELDSPAR PORPHYRY INTRUSIVES
92.60	111.90	INTERMEDIATE FELDSPAR INTRUSIVE
111.90	118.04	LITHIC ARKOSE
118.04	119.56	GRAPHITIC UNIT
119.56	120.9	INT. FELDSPAR PORPHYRY
120.9	126.98	LITHIC ARKOSE
126.98	175.22	BIOTITIC WACKE W/ MINOR FELDSPAR PORPHYRY INTRUSIVE
175.20	175.40	GRAPHITIC ARGILLITE
175.40	178.82	INT. FELDSPAR PORPHYRY
178.82	179.08	GRAPHITIC ARGILLITE
179.08	211.91	BIOTITIC WACKE
211.91	218.56	INT. FELDSPAR PORPHYRY
218.56	228.65	BIOTITIC WACKE
228.65	231.94	BIOTITIC FELDSPAR PORPHYRY
231.94	300.53	BIOTITIC WACKE WITH MINOR FELDSPAR PORPHYRY SECTIONS
	300.53	END OF HOLE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

4652 - 4700
4717 - 4724

19114 → 131

DRILL HOLE T-87-11 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 1988 PAGE 2 OF 14

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; st—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	
50–57	0 – 67.44 m – Overburden																				
8	67.44 – 68.14 m Intermediate Feldspar Porphyry	0	0.0-3.1	1	5	3	0	.25	0	0	0	0	0	0							
9–0	68.14 – 70.73 m Mafic Volcanic Tuff. contact [illegible] Porphyry at 70° TCA. fg, dark green mafic volcanic [illegible] wfol at 65° TCA. Epidote [illegible] 62 [illegible] [illegible] Py as [illegible]	1%	[illegible]	2	4	.5%	0	0	0	0	0	0	.25%	0							
1–2	70.73 – 72.[illegible] m Volcanic Sediment. very similar to Mafic Volcanic Tuff except [illegible] has a significant portion of dark grey green in color [illegible]	1%	0.0-0.1%	[illegible]	4	.2%	0	0	0	0	0	0	1%	0	71.43	72.88	4652	1.45		20	
3–0	72.[illegible] – 74.[illegible] m Intermediate Feldspar Porphyry. upper contact at 5[illegible]° TCA. mg [illegible] unit [illegible] 10 cm [illegible] [illegible] is [illegible] in [illegible] between [illegible] and [illegible] [illegible] 5% [illegible] 10% [illegible] 4 [illegible] [illegible] increases over last 35 cm to about 20%. [illegible] Qtz veins at 30-40° TCA [illegible] at 5[illegible]° TCA	[illegible]	0.0-0.1%	1	6	3	3	.25	0	0	0	[illegible]	1	0	72.88	74.13	4653	1.25		NIL	
															74.13	74.98	4654	0.85		NIL	

DRILL HOLE T-93-11 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 1988 PAGE 3 OF 14

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t
70																				
1																				
2																				
3																				
4																				
5																				
6	74.96 – 76.84 m **Mafic Volcanic Tuff** fg dark green [illegible] alt [illegible] lighter [illegible] in [illegible]. Contorted at (chert?) and banding [illegible]	2%	0	—	3-4	.25%	.10%	0	0	0	0	0	0.5%							
7	76.84 – 77.17 m **Intermediate Feldspar Porphyry**	3%	0.0	1	5	0	0	0	0	0	0	0	.25%							
	77.17 – 77.47 m [illegible]	3%	0.0	1	[illegible]	0	0	[illegible]	[illegible]	0	0	0	.5%							
8	77.47 – 77.67 m [illegible]	10%	0.0	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]							
9	77.67 – 80.35 m **Mafic Volcanic Tuff** fg volcanic [illegible] at 50° TCA. [illegible]	1%	0.0-0.1	2	4	[illegible]		[illegible]	[illegible]	0	[illegible]	[illegible]	.1							
80																				
1	[illegible]	1%	[illegible]	2	[illegible]	[illegible]	[illegible]	1%	[illegible]	0	0	0	[illegible]		80.35	81.20	4655	.85	NIL	
2	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	0	[illegible]	[illegible]	[illegible]	0	0	.25%							
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
3–6	[illegible] m **Mafic Volcanic** dark green mafic volcanic, fg, with many [illegible] bands of lighter green. Calcite [illegible] associated with the lighter [illegible]. Some [illegible] of [illegible] feldspar porphyry are present up to 3 cm wide. "Substantial" oxidation (limonite) [illegible] at 82.56 – 82.96 m. Cal. veins up to 6 mm at 45-75° TCA.	2-3%	0.0 – 0.1%	1	4.5	1%	0	0	0	0	0	0	.5%	0.1%						
7–8	[illegible] m **Intermediate Feldspar Porphyry**, mg. feldspar phenocrysts up to 2 mm. Unit is predominantly med. grey in color except from 86.73 m to 87.50 m where it is [illegible]. Sharp contacts [illegible] 70° TCA	.5-1%	0.0-0.1%	0	6	0	0	1%	0	0	0	0	.25%	0						
9–90	88.21 – 92.60 m **Mafic Volcanic Tuff** fg volcanic varying from [illegible] green to grey green in color. Banded @ 65-85° TCA. [illegible]	1%	.1-0.2%	4	4	2-3%	0	0	0	0	0	0	.25-.5%	0	88.21	89.62	4656	1.41	30	
															89.62	90.77	[illegible]	[illegible]		

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

88.21 – 92.60 m contd – Mafic Volcanic Tuff
Lighter bands generally calcite rich. Area of pyrite banding, near 92.90 m

92.60 – 94.52 m Intermediate Feldspar Porphyry
mg–cg – light grey [illegible] up to 2mm. Upper contact is gradational [illegible]
15 cm [illegible] @ 93.71–93.9 m [illegible] fine mafic volcanic [illegible]

94.52 – 97.12 m – Intermediate Intrusive
mg–fg massive med → dark [illegible] [illegible] contacts at [illegible] 85° CA
50–55% feldspar 90% [illegible] 10% [illegible], 5% [illegible]. Occ. phenocrysts [illegible]

97.12 – 99.4[illegible] m Intermediate Feldspar Porphyry
[illegible] mg – [illegible] phenocrysts to 3mm [illegible]
[illegible]

[illegible] – 102.92 m [illegible]
[illegible] 75°
[illegible]
[illegible] 30 cm.
[illegible]

102.92 – 103.26 m Intermediate Feldspar Porphyry

[illegible] [illegible]
[illegible]

[illegible] [illegible]

[illegible] [illegible]

[illegible] [illegible]
[illegible]

Interval	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	%
88.21–92.60 m													
92.60–94.52 m	[illegible]	0.0	4–6	6	0	0	1–3	0	[illegible]	0	0	[illegible]	0
94.52–97.12 m	[illegible]	0.0–0.1	1	5–6	0	0	5	0	0	0	0	[illegible]	0
97.12–99.4[illegible] m	15–20%	0.0	1–6	6	2–3%	0	1–5%	0	0	0	0	2–3%	[illegible]
[illegible]–102.92 m	1%	0.0–0.1	0–2	[illegible]	0–1%	0	0	0	0	0	0	1%	0
102.92–103.26 m	1%	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	0	0	[illegible]	[illegible]	.25	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	15%		1	[illegible]	[illegible]	[illegible]	1%	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1–3%		[illegible]	[illegible]	[illegible]	[illegible]	2–5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb
89.62	90.77	4657	1.15	10
90.77	91.93	4658	1.16	NIL
91.93	92.65	4659	0.72	NIL
92.65	93.30	4660	0.65	NIL
93.30	94.52	4661	1.22	NIL
97.12	98.37	4662	1.25	NIL
98.37	99.47	4663	1.10	NIL
99.82	100.92	4664	1.10	NIL
100.92	101.62	4665	0.70	NIL
105.0	106.0	4666	1.0	10
106.37	107.32	4667	0.95	NIL
107.32	108.51	4668	1.19	10
108.51	109.65	4669	1.14	NIL

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; st—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	qf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au
110–111	109.92 – 111.40 m Intermediate Feldspar Porphyry; less sign. alteration + mineralization/[illegible]	.5	0.0	0	6	1-2	0	3-5	0	1-2	0	0	.5	0	110.04	111.4	4670	1.36		NIL	
112–118	111.40 – 118.04 m Lithic Arkose; mg light brownish grey arkose with feldspar clasts of 1mm evident in places. Unit is overall massive in appearance and grades into the next unit down	1-3	0.0	0	4-5	0	0	0	0	0	0	0	0	0							
119	118.04 – 119.56 m Granitic Unit; [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	0	3.0%	0	0	.5-1	0	118.04	119.56	4671	1.52		20/ NIL	
120	119.56 – 120.90 m Intermediate Feldspar Porphyry; [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	119.56	120.90	4672	1.34		NIL	
121–127	120.90 – 125.97 m Lithic Arkose; as above [illegible] medium brownish [illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0	0	[illegible]	0	.25	0	125.0	126.0	19114	1.0		NIL	
128–130	125.97 – [illegible] [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]								

KA

DRILL HOLE [illegible] PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 198[illegible]

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % sil	ank	ser	tour	gf	cp	aspy	py		SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	
130–133	129.11 – 133.61 m Biotitic Wacke fg massive biotitic wacke medium brown grey in color. Minor shearing in places. 131.24 – 131.79 m wacke is chloritic, contacts sheared @ 75° TCA. 26 cm qz vein @ 133.28–133.54 m	1%	0.0–0.5%	0–1	5	0	0	0	0	0	0	0	.5	0							
4	133.61 – 134.1 m Intermediate Feldspar Porphyry [illegible] contacts	1–2%	0.0	0	6	0	0	0	0	0	0	0	.25	0	133.61	134.1	4673	0.49		NIL	
	134.1 – 134.94 m Biotitic Wacke – dark brown [illegible] minor shearing, undulating contacts [illegible]	0	0.0–0.1	1–3	5	0	.5	0	5	0	0	0	0	0							
5	134.94 – 135.89 m Intermediate Feldspar Porphyry – feldspar phenocrysts up to 7 mm; sharp contacts, minor chlorite [illegible]	1%	0.0–0.1	0	6	5	2	.2	0	0	0	0	.25	.10	134.94	135.89	4670	0.95		NIL	
6–144	135.89 – 144.19 m Biotitic Wacke fg, med – dark brown-grey wacke with minor shearing in places. From 137.99 – 140.47 m very chlorite rich (green) and well developed banding / foliation @ 80° TCA. 143.04 – 143.14 m – Small section of Int. Feldspar Porphyry	1%	0.0–0.1	0–2	5	0	0	0	0	0	0	0	.25 – .50%	[illegible]	140.0	141.0	19115	1.0		NIL	
	[illegible] Wacke [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		144.19	144.74	4675	0.55		NIL	
5–150	[illegible] Biotitic Wacke fg [illegible]	1	0.1–0.2	1	3–4	0	0	0	0	0	0	0	0.25–0.50	0							

DESCRIPTION — cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION % — d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

144.74 - 157.28 m Biotitic Wacke contd

- a significant number of low angle joints are present @ 20-40° TCA which are partially covered with chlorite + pyrite.

157.28 - 157.53 m Silicified biotitic wacke

157.53 - 158.00 m Biotitic wacke as above

158.00 - 158.17 m [illegible] biotitic wacke

158.17 - 159.12 m Biotitic wacke as above

159.12 - 159.50 m [illegible] biotitic wacke

159.50 - 161.62 m Biotitic Wacke
as above with some significant shearing.
lower contact gradation into Q.F.P @ 80°TCA.

161.62 - 161.75 m [illegible]

161.75 - 175.20 m Biotitic Wacke

fg, massive and grey brown biotitic wacke
some strongly sheared sections.
163.53 - 163.79 m chlorite rich (green).
166.52 - 166.77 m strongly sheared and chloritized with 1% pyrrhotite
contacts @ 20-25°TCA intact //.

Interval (m)	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	%
144.74 - 157.28	1.5	0.1 - 0.2	0 - 3	3 - 4	0.1	0	0	0	0	0	0	.25	0
157.28 - 157.53	40%	0.1	3	6	1	0	0	0	0	.25	0	0	1
157.53 - 158.00	0	0.1	0	5	0	0	0	0	0	0	0	.25	0
158.00 - 158.17	25	0.1	2	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.25	[illegible]	0	.5
158.17 - 159.12	1	0.1	0-3	4-5	0	0	0.1	0	0	0	0	.25	0
159.12 - 159.50	50	0.1	2	6	[illegible]	[illegible]	[illegible]	[illegible]	0	.05	0	.5	.25
159.50 - 161.62	1	0.0 - .01	0-3										
161.62 - 161.75	0	.001	0	6	0	0	0	0	0	0	0	0	0
161.75 - 175.20	1%	0.0 - 0.1	0 - 4	4 - 5	.25	0	0	0	0	0	0	0.1	0.1

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t
151.0	152.0	19116	1.0		NIL	
157.28	157.53	4676	0.25	*		
157.53	158.00	4677	0.47		NIL	
158.0	158.17	4678	0.17		NIL	
158.17	159.12	4679	0.95		NIL	
159.12	159.50	4680	0.38		NIL	
163.0	164.0	19117	1.0		NIL	
169.0	170.0	19118	1.0		NIL	

DRILL HOLE T-88-11 PROJECT TWEED ... CHEVRON MINERALS LTD ... DIAMOND DRILL LOG ... DATE November 1, 1988

DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork): cal	ank	ser	tour	gf	cp	aspy	py	Po	SAMPLING: FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	Cr
161.75 – 175.20 m Biotitic Wacke cont'd	1	0.0-0.1	3	4-6	.25	0	0	0	0	0	0	0.1	0.1								
175.20 – 175.40 m Graphitic Argillite [illegible]	0	0.2-0.4	0.2	4-5	0	0	0	0	50%	0	0	1%	1%	175.2	175.4	4681	0.2		NIL		
175.40 – 178.82 m Intermediate Feldspar Porphyry. mg [illegible] phenocrysts up to 6 mm. overall color light - med grey, green [illegible] small areas of grey brown. 177.78 – 177.90 m small section of biotitic wacke. Contacts of porphyry are relatively sharp [illegible] country rock but do not appear intrusive.	3-5	0.0-0.0	0-2	5-6	0	0	2-3	0	0	0-0.5	0	0.1-0.5	0.25-0.5	175.4	176.55	4682	1.15		NIL		
														176.55	177.45	4683	0.90		NIL		
														177.45	178.82	4684	1.37		NIL		
178.82 – 179.08 m Graphitic Argillite vfg + laminated / diss py + qvn	.25	0.2-0.4	0.2	4-5	0	0	0.5	0	15%	0	0	.5%	1%	178.82	179.08	4685	0.27		NIL		
179.08 – 180.98 m Biotitic Wacke. as before - fg med grey-brown biotitic wacke [illegible] in places. [illegible] small sections [illegible] 45° CA	.10	0.0-0.1	0-2	4-5	0	0	0	0	0	0	0	0	0								
180.98 – 181.74 m Biotitic Wacke Breccia highly sheared B.W.	0	0.0-0.1	3	3-4	0	0	0	0	0	0	0	1%	0								
181.74 – 187.64 m Biotitic Wacke. as before - [illegible] several small [illegible] veinlets up to 1 cm wide [illegible] 70-90° CA. Chlorite [illegible] accompanies the [illegible] veinlets as do pyrite + [illegible]	1-2	0.0-0.1	0-1	4-5	0	0	0	0	0	0	0	0.1%	0.1%	182.0	183.0	19119	1.0		NIL		
														187.0	188.0	19112	1.0		NIL		
187.64 – 188.40 m Biotitic Wacke Shear Zone ?? [illegible]	.5	0.1-0.2	5-7	5	0	5	1-3	0	0	Tr	0	.5	0								
188.40 – 205.75 m Biotitic Wacke [illegible]	1-2	0.0-0.1	0-3	[illegible]	0	0	0	0	0	0	0	.1	.1								

DESCRIPTION

eg. fg. mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

188.40 – 205.75 m Biotite Wacke cont'd

vein sets @ 70° ① and 45° ② TCA.

198.10 – 199.45 m more sheared than rest of unit
- quartz veins ① up to 3 cm wide
- sulphides associated mostly w later veins

205.75 – 20[illegible] m [illegible]

Upper contact sharp @ 45° TCA
I.F.P. [illegible] feldspar phenocrysts
[illegible]
Lower contact @ 70° TCA.

Interval	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
205.75 – 20[illegible] m	3	00-01	1	7	0	0	3	0	0	0	0	0.1	0
Upper contact … Lower contact	4	00-0.1	1	5	0.3	0	0	0	0	0	θ	1 / 0	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CH
191.0	192.0	19121	1.0	30/20		
196.0	197.0	19122	1.0	NIL		
202.0	203.0	19123	1.0	NIL		
206.94	207.94	9186	1.0	NIL		
207.94	208.94	9187	1.0	NIL		
208.94	210.14	9188	1.2	NIL		

DRILL HOLE T-88-11 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzve—quartz vein

210

206.94 – 211.91 m **Biotitic Wacke** fol @ 70-80° TCA
as before except various colour
[illegible] up to 209 m | i.e. med grey, med grey brown + med grey green

211.91 – 218.56 m **Intermediate Feldspar Porphyry**
mg - cg, grey green feldspar porphyry
with phenocrysts to 5 mm
Numerous qtz veins up to 1 cm some of
which contain [illegible] flakes. These appear
to be cut by later [illegible] rich veinlets which are accompanied
by minute [illegible] filled in qtz [illegible].

218.56 – 228.65 m **Biotitic Wacke**
massive, fg biotite rich wacke
except in first 1.5 m where some
[illegible] rich sections up to 20 cm exist.
A few qtz veins are present up to 2 cm
wide [illegible], [illegible] and [illegible] are
seen in the qtz. Lower contact
is relatively sharp at 70° TCA.

228.65 – 231.94 **Biotitic Feldspar [illegible]**
[illegible] 211.91 – 218.56 [illegible] mottled [illegible]

230

Interval	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	Alteration & Mineralization %								Po
206.94 – 211.91	3-4	0.0-0.1	0-1	5	0.1	0	0	0	0	0	0	1%	0
211.91 – 218.56	1-2%	0.0-0.1	0-1	6	0.1-0.25	0.25	1-3	0	0	0	0	1%	0
218.56 – 228.65	2-4	0.0-0.1	0-1	6	0.1-0.25	0	0	0	0	0	0	0.5	0
228.65 – 231.94	0.5	0.0	1	8	0.3	0	2-4	0	0	0	0	0.5	0

SAMPLING

From (m)	To (m)	Sample #	Width (m)		Au ppb	Au oz/t	CH
210.14	210.64	4689	0.50		NIL		
215.0	216.0	19124	1.0		NIL		
220.0	221.0	19125	1.0		NIL		
228.65	229.65	4690	1.2		NIL		

Metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
230–232	[illegible] 5% [illegible] 10-15%. 20% [illegible] to subhedral white fsp [illegible] up to 5mm. Sericite [illegible] @ 23° to CA [illegible]	0.5	0.0	1	8	0.1	0	1	0	0	0	0	0.5 / 0	0
233	231.99 - 300.53 Biotite Wacke													
234–235	As at 218.56 - 228.65 Quartz veins, qtz-chl-calcite [illegible] foliation [illegible] <0.5% [illegible] Small [illegible] 3-5 cm [illegible] beds at random (≤1% [illegible]). Bedding @ 78° to CA.													
240–241		1-2	0.0 - 0.1	1	4	0.5	0	0	0	0	0	0	0.3 / 0	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CH
229.65	230.45	4691	0.8		NIL		
230.45	231.0	4692	0.55		NIL		
231.0	231.99	4693	0.99		NIL		
238.22	239.0	4694	0.78		NIL		
239.0	239.57	4695	0.57		NIL		
242.62	243.92	4696	1.3		NIL		
249.0	250.0	19126	1.0		NIL		

DRILL HOLE T-88-11 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE November 1, 1988 PAGE 12 OF 14

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; dis—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CH
250	Biotitic Wacke																					
1		1	0.0–0.1	1	4	0.1	0	0	0	0	0	0	0.1 D	0								
2	253.57 - 255.21 : Sericite-epidote altered intermediate feldspar porphyry. 3% qtz-carb-chl veins w 0.5% py, 0.1% po, 0.03% cp, selvages 1% ser, 3% chlorite, 0.3% epidote, 0.3% chlorite																					
3															253.0	253.57	4657	0.57		NIL	–	
4		3	0.0–0.1	0	7	0.3	0	2	0	0	0.03 mv,D	0	0.5 mv,D	0.1 mv,D	253.57	254.57	4698	1.0		NIL		
5															254.57	255.21	4699	0.64		NIL		
6		2-3	0-0	2	4	0.5	0	0	0	0	0	0	0.5 D	0	255.21	256.0	4700	0.79		NIL		
															256.0	256.9	4717	0.9		NIL		
7																						
8																						
9																						
260																						
1															261.0	262.0	19127	1.0		NIL		
2		0.5–1	0–0	2	5	0.3	0	0	0	0	0	0	0.3 mv,D	0								
3																						
4																						
5																						
6																						
7															267.0	268.0	19128	1.0		NIL		
8																						
9																						
270																						

DRILL HOLE T-88-11 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 1, 1988 PAGE 13 OF 17

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ser	ank	car	tour	pf	cp	asp	py	?	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CH
270	Biotite Wacke																					
3–4															273.0	274.0	19129	1.0	—	NIL	—	
8		0.5–1.9	0.0–0.1	2	5	0.5	0	0	0	0	0	0	0.3 D	0								
9–280															279.0	280.0	19130	1.0		NIL		
284–285	284.45 - 284.65 - Section moderately epidotized w/ 15% epidote as pervasive alteration and as microveinlets @ 20° - 45° to CA.	5	0.0	1	5	0.5	0	0	0	0	0	0	0.5 D	0	284.0	285.0	4718	1.0		NIL		
285–286		0.5	0.0	2	5	0.3	0	0	0	0	0	0	0.3 D	0								
286	285.94 - 286.74 - Biotite Intermediate Feldspar Porphyry	0.3	0.0	0	7	0.1	0	0	0	0	0	0	0.5 P	0	285.94	286.79	4719	0.8		NIL		
287–288	286.74 - 288.6 - 3% epidote microveinlets @ 35° to CA. 288.5 - 291.5 ; Chlorite Intermediate Feldspar Porphyry 5-10% interstitial chlorite, 1% qtz-calcite-epidote micro veinlets w/ potassic alteration selvages up to 1cm wide. Weak sericite, locally	1-2	0.0	2	4	0.3	0	0	0	0	0	0	0.5-1% D	0	286.74	287.74	4720	1.0		NIL		
															287.74	288.6	4721	0.86		NIL		
289–290		0.5	0.1	1	7	0.5	0	0.3	0	0	0	0	0.5 1% D	0	288.6	289.6	4722	1.0		NIL		
															289.6	290.6	4723	1.0				

DRILL HOLE T-23-11 PROJECT Tucco — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE November 1, 1988 — PAGE 14 OF 14

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

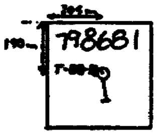
metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	py	cp	aspy	py	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	Cu
290														289.6	291.6	4723	[illegible]	NIL		
1	Biotite Wacke	0.5	0.1	1	7	0.5	0	0.3	0	0	0	0	0.5 / 8.0	290.6	291.5	4724	0.9	NIL		
5–6		0.5–1.0	0.0–0.1	1	5	0.3	0	0	0	0	0	0	0.5							
7–8														297.0	298.0	19131	1.0	NIL		
300	300.53 - END OF HOLE																			

DRILL HOLE T-88-12a **PROJECT** TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** **DATE** NOVEMBER 10, 1988 **PAGE** 1 **OF** 11

AREA GRIOS
CLAIM 798681
CORE SIZE BQ
DATE STARTED NOVEMBER 3, 1988
COMPLETED NOVEMBER 11, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS T-88-12 STOPPED IN OVERBURDEN AT 48.7 m due to termination of drill crew. T-88-12a displaced north 1 metre on L17+00E and redrilled

	DOWNHOLE	VERTICAL
DEPTH OVERBURDEN	51.19	
DEPTH HOLE	242.6	
ELEVATION		

CO-ORDINATES NORTHING 11+73 N
EASTING L17+00 E
LOGGED BY P. CASHIN
CHECKED BY [signature]

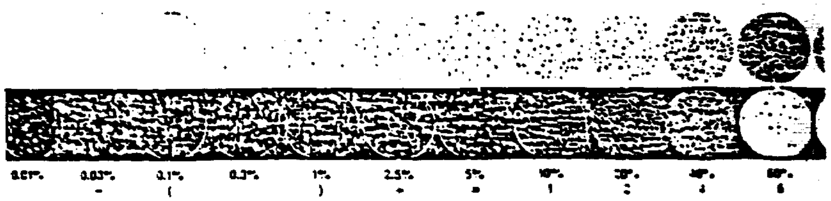


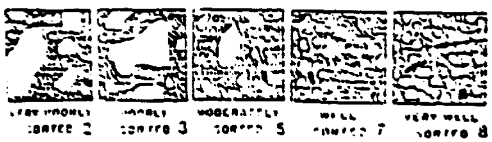
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

Hole is intended to determine the stratigraphy north of a large E-W trending magnetic high lineaments centered @ L17+00E/11+75N and to determine the cause of this magnetic anomaly. Geology is characterized by [illegible] [illegible] [illegible] of banded sediments. The high magnetic feature is explained as multiple [illegible] bands of Chert-Chlorite-Magnetite Iron Formation at 213.58/214.43, 222.38–224.28, and 239.95–242.6. Po-Py-Cpy sulfide replacement of oxide band was observed at 223.08–224.15.





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	51.1	Casing
51.1	74.92	Biotitic Wacke
74.92	76.22	Potassic Feldspar Porphyry
76.22	84.45	Sheared Porphyry / Foliated Lithic Arkose
84.45	173.77	Biotitic Wacke
173.77	180.81	Lithic Wacke / Crystal Tuff
180.81	194.05	Chloritic Mudstone
194.05	195.27	Altered Lithic Wacke / Crystal Tuff
195.27	204.93	Biotitic Wacke
204.93	213.58	Banded Arsenic [illegible] Facies IF
213.58	214.43	Chert-Chlorite-Magnetite IF
214.43	218.72	Lithic Arkose
218.72	221.43	Intermediate Feldspar Porphyry
221.43	222.38	Biotitic Wacke
222.38	224.28	Chert-Chlorite-Magnetite IF
224.28	239.95	Biotitic Wacke
239.95	242.6	Chert-Chlorite-Magnetite IF
	242.6	End of Hole

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

4725 – 4787

DRILL HOLE T-88-11 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE NOVEMBER 10, 1983 [illegible]GE 2 OF [illegible]

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

0.0 – 51.1 – OVERBURDEN

51.1 – 76.22 Biotite Wacke

aphanitic to fine massive to weakly banded dark reddish grey with local blotchy green mottling; 15-20% biotite, 3-5% chlorite, 3% [illegible] red euhedral garnets (0.5-1 mm), 65% quartz, 0.03% calcite, 10% [illegible] grains up to [illegible] 0.3% py disseminated [illegible]. Foliation @ 75° to CA. 0.5% fracture filling qtz-calcite veinlets up to 5 mm wide [illegible] foliation [illegible] fractures

65.93 – 71.7 – [illegible]

% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	%
0.5	0.0 - 0.1	1	4	0.03	0	0	0	0	0	0	0.3 d	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t
52.5	53.5	19132	1.0	–	NIL	
62.0	62.8	4725	0.8		10/10	
62.8	63.8	4726	1.0		10	

DRILL HOLE T-88-12 PROJECT 8 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 10, 1988

eg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Au	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CH
70 – 71	Fg to mg, massive, 25% euhedral [illegible] 0.5% [illegible], 5-10% brown biotite wisps, 0.5%-1% [illegible], 0.5% albite, 0.5%-1% [illegible]. Sericite alteration [illegible] of 0.5% qtz-calcite veins @ 20° & 75° to CA	0.5	0.0	0	1	0.1	0	0.5	0	0	0	0	0.5 T, D	0	67.93	70.73	4727	0.8		NIL		
															70.75	71.7	4728	0.97		NIL		
72	Biotite Wacke																					
73		0.5	0.0 / 0.1	1	4	0.1	0	0	0	0	0	0	0.3 D	0								
75 – 76	74.92 - 76.22 - Potassic Feldspar Porphyry. As at 67.93-71.7 but [illegible] 3% qtz-[illegible] veins [illegible], 1-5% sericite, moderately silicified. Upper contact sharp @ 37° to CA	3	0.0	1	8	0.5	0	3.5	0	0	0	0	0.5 D	0	74.92	76.22	4729	1.30		NIL		
77 – 81	76.22 - 84.45 Sheared Porphyry / Foliated [illegible] Arkose. Texturally and mineralogically similar to feldspar porphyry but moderately foliated @ 72° to CA. Foliation outlined by 3% [illegible] green chlorite plates & wisps. Component feldspars partially replaced by sericite, 1% qtz-calcite-[illegible]-[illegible] stringers @ 72° to CA & oblique @ 40° to CA. Small sections [illegible] porphyritic [illegible] (i.e. 76.22-77.8) may be arkose, [illegible] partially [illegible] wacke at contact with porphyry or sediment xenoliths. Feldspars [illegible], [illegible] shadows. 78.85-78.9 — Biotite wacke xenolith. Foliated @ 78° to CA	0.5-1%	0.0	6	6	0.3	2	0.5	0	0	0	0	0.5 D	0	76.22	77.82	4730	1.5		NIL		
															77.82	78.82	4731	1.0		NIL		
															78.82	79.92	4732	1.1		NIL		
82	Lower contact gradational over 60 cm																					
84	83.72 - 84.25 - 1% qtz-calcite-chl veining, [illegible] // & oblique, 1% [illegible] py [illegible]	1	0.0	5	5	0.5	0	0	0	0	0	0	1.0	0	83.72	84.25	4733	0.53		NIL		
85 – 88	84.45 - 173.77 Biotite Wacke. As in 51.1 - 76.22. 0.5% small brownish-red, euhedral garnets [illegible] to 1.5 mm throughout. <0.5% qtz-calcite-chlorite veins & veinlets. <0.5% py throughout	0.0	0.0	1	6	0.3	0	0	0	0	0	0	0.3 D	0								
89 – 90	88.65 - 88.9 - Calcareous biotite wacke. Composed 15% sub-round to sub-rounded green calcareous [illegible] up to 7 mm, 20% biotite, 3.5% chl, 40% calcite, 30% [illegible], 0.5% py. Contacts sharp [illegible] @ 35°, lower @ 8° to CA.	0	0.0	0	4	40	0	0	0	0	0	0	0.5	0	88.5	89.0	4734	0.5		NIL		
		0.0	0.0	1	6	0.3	0	0	0	0	0	0	0.1 D	0								

DRILL HOLE T-88-12 PROJECT TUCCO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 12, 198[illegible] SHEET 4 OF 11

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres 90–110

Biotite Wacke

T.S.
96.25 – 97.63 – Potassic Feldspar Porphyry (Latter Dike!): massive, [illegible] grey, porphyritic, 25% euhedral feldspar phenos up to 5mm, 15% are [illegible] due to [illegible], [illegible] partially to completely sericitized. 2-3% biotite [illegible] 1% chlorite, 0.5% diss. py, 0.1% [illegible] [illegible] foliation @ 80° to CA. Contacts [illegible] @ 80° to CA

98.45 – 99.16 – Sericitized Feldspar Porphyry: As above but 15% sericite alteration, lower contact @ 90° to CA, [illegible] by 10 cm banded qtz-chl-calcite-sericite vein, [illegible] contact 0.1% [illegible] diss py. Biotite being replaced by chlorite.

T.S.
106.37 – 108.35 Latter Dike [illegible] [illegible], [illegible] with highly chlorite [illegible] [illegible] [illegible] green to green brown. 15% euhedral to subhedral feldspar crystals up to 5mm, 2% [illegible] [illegible] or feldspar [illegible] up to 4 mm. 5% chlorite [illegible] up to 8 cm. Foliation [illegible] @ 80° to CA 0.5% [illegible] // [illegible] 15% chlorite.

Veins / Alteration & Mineralization %

% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	[illegible]	ser	[illegible]	[illegible]	[illegible]	[illegible]	py	[illegible]
3.5	0.0	1	5	0.5	0	0	0	0	0	0	0.3 D	0
0	0.0	2	8	0	0	0	0	0	0	0	0.5 D	0.1 D
0.5	0.0	1	5	0	0	0	0	0	0	0	0.3	0
3.5	0.0	0	8	0.3	0	15	0	0	0	0	0.1 D	0
0-0.5	0.0	1	5	0.1	0	0	0	0	0	0	0.3 D	0
0.3	0	4	5	0.3	6	0	0	0	0	0	0.5	0
6	0.0	1	5	6	0	0	0	0	0	0	0.3 D	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t
~~92.0~~	~~93.0~~	~~19133~~	~~1.0~~		~~NIL~~	
98.45	99.16	4735	0.71		NIL	
106.37 (~~106.37~~)	107.12 (~~107.12~~)	4736	0.75		NIL	
107.9	108.35	4737	0.45		NIL	

DRILL HOLE T-83-12a PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 12, 1988 PAGE 5 OF 11

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; sfol, mfol, wfol—strong, medium, weak foliation; diss—disseminated; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHY
110	BIOTITIC WACKE	0	0.0 or 0.1																			
1																						
2																						
3	113.41 – 113.63 - Potassium Feldspar Porphyry. Also at 63.93–71.2. Contacts sharp @ 75° to CA.			1	5	0.1	0	0	0	0	0	0	0.3	1								
4																						
5															114.51	114.91	4738	0.6		NIL		
6																						
7	116.95 – 117.37 - Diorite - mdg, massive, moderately chlorite. 30% intersertal plag, 60% actinolite, 8% chlorite, 2% calcite. Contacts chilled @ 65° to CA. Non-magnetic			0	5	0.5 / 2	0	0	0	0	0	0	0.3 / 0	0	116.95	117.37	19134	0.92		NIL		
8																						
9																						
120																						
1				1	5	0.1	0	0	0	0	0	0	0.3 / 0	0								
2															122.0	123.0	19135	1.0		NIL		
3	123.35 – 124.13 - Potassium Feldspar Porphyry																					
4				0	[illegible]	0	0	0	0	0	0	0	0.1 / 0	0								
5																						
6																						
7				1	5	0.1	0	0	0	0	0	0	0.3 / 0	0								
8	128.76 – 129.89 - Potassium Feldspar Porphyry. Contacts @ 55° to CA.																					
9															128.0	129.0	19136	1.0		NIL		
130																						

DRILL HOLE T-88-12 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 12, 1988

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork)

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEARING 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	asp	py	‰	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CH
130	Biotite Wacke																					
133															132.0	133.0	4739	1.0	—	NIL	—	—
134															133.0	134.0	4740	1.0	—	NIL	—	—
136		0-0.5	0.0-0.1	2	5	0.1	0	0	0	0	0	0	0.3 D	0								
142	141.6–142.25 – 5% qtz-calcite-ankerite veining @ 20° to CA. 0.5cm–1% [illegible], 15% calcite, 30% qtz [illegible] carbonaceous alteration selvages observed associated with veining.	5%	0.0	2	4	5	0	0	0	0	0	0	0.5 mdiss	0	141.6	142.25	4741	0.55		NIL		
143	143.2 – 143.55 : Intermediate Feldspar Porphyry. 1% calcite veinlets. [illegible]. Contacts @ 90° to CA.			2	5	0.1	0	0	—	—	0	0	0	0								
144				0	4	1	0	0	—	—	0	0	0.1 D	0								
146		0.5-1.0	0.0	2	5	0.5	0	0	0	0	0	0	0.3 D	0								
149	149.1 – 149.13 : Banded Wacke. Bands of alternating [illegible] (60%, 1cm) and biotite rich (0.7mm) 35-40%) @ 73° to CA.														149.0	149.5	4742	0.5		NIL		

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	?	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CH
150	Biotite Wacke																					
4	154.6 – 154.73 – White qz-chert vein w/ 0.3% py, 0.1% [illegible], py is diss[illegible] [illegible] V @ 73° to CA.	–	0.0	2	5	0.3	0	0	0	0	0	0	0.3 / 0	0	154.6	155.0	4743	0.4		NIL		
9	159.03 – 160.67 – Intermediate Feldspar Porphyry. 5% fine [illegible] veins throughout. Contacts @ 72° to CA. Occasional wacke xenolith up to 4 cm at random.	0	0.0	0	8	0	0	0	0	0	0	0	0.1 / 0	0	159.03	160.67	19137	1.64		NIL		
3		1	0.0	2	5	0.3	0	0	0	0	0	0	0.3 / 0	0								
7	167.5 – 168.05 Conglomerate. Composed of [illegible] fragments of lithic wacke ([illegible], 20%), biotite wacke (9cm, 1.5%), chert (1.5cm, 2%) in a fine grained wacke matrix. Fragments are aligned @ 75° to CA. Contacts are sharp and // foliation.	0.5	0.0	2	3	0	0	0	0	0	0	0	0.1 / 0	0	167.5	168.2	19138	0.7		NIL		
9		0	0.0	0	8	0	0	0	0	0	0	0	0.1 / 0	0								
170	169.0? – 170.12 Intermediate Feldspar Porphyry																					

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

170.57 – 171.14 – Conglomerate [illegible]. As described at 167.5–168.35

171.14 – 172.0 – [illegible] Wacke. Described at 173.77 – Similar to that [illegible] conglomerate at 167.5–168.35. Bedding @ 80° to CA

[illegible]

173.77 – 180.81 Lithic Wacke / Crystal Tuff

[illegible] massive, well sorted, [illegible], dark [illegible]. Composed of 10 ± 5% [illegible] to subhedral feldspar [illegible] [illegible] of [illegible] up to 3 mm. Matrix composed predominantly of fine [illegible] 15% [illegible] chlorite and 0.5% muscovite [illegible] 0.3% [illegible] 0.03% aspy (?), 0.1% po [illegible] 1% [illegible] [illegible]

Upper contact interdigitated over 30 cm @ 85° to CA.

176.47 – 180.81 – [illegible] highly silicified and moderately sericitized, 3–5% [illegible] calcite [illegible] foliation // to [illegible] (@ 15° to CA). 0.3% [illegible] 1% [illegible]

180.81 – 184.05 – Chlorite Mudstone

[illegible] massive, composed predominantly of chlorite with [illegible] [illegible] 0.5% – 1% [illegible]. Contact [illegible] @ 90° to CA. 0.3 – 0.5% qtz – [illegible] [illegible] foliation //

184.05 – 185.27 – Altered Lithic Wacke / Crystal Tuff as in 176.47 – 180.81 [illegible] [illegible]

185.27 – 204.13 Biotitic Wacke

As described in 51.1 – 76.22, massive, 2% [illegible] chlorite throughout

185.27 – 187.26 – Conglomerate section as at 167.5 – 168.35. Contains 10–15% sub-rounded to sub-angular pebble to cobble sized clasts of altered [illegible] / crystal tuff [illegible] 12, [illegible] 0.5% [illegible] qtz – [illegible] [illegible] [illegible] [illegible] @ 82° to CA

[illegible] Clasts [illegible] [illegible]

% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	sil	ank	ser	tour	gf	cp	aspy	py	?
1	0.0	2	5	0.3	0	0	0	0	0	0	0.3	0
0	0.0	1	6	0	0	0	0	0	0	0	0.3	0
1	0.0	1	6	0	0	0	0	0	0	6	0.5	0.1
0	0.0	2	5	0	0	0	0	0	0	0	0.3	0
0.5	0.0	2	7	0.1	0	0.5	0	0	0	0.03	0.3	0.1
3.5	0.0	0	9	0.3	0	5	0.1	0	0	0.03	0.3	0.1
0.3	0.0	2	5	0	0	0	0	0	0	0	0.5	0
3.5	0.0	0	8	0.3	0	7.2	0.3	0	0	0	0.3	0
0.3	0.0	1	6	0.3	0	0	0	0	0	0	0.5	0
0.3	0.0	2	5	0.1	0	0	0	0	0	0	0.1	0
0.5	0.0	1	6	0.3	0	0	0.1	0	0	0	0.5	0
1.3	0.0	2	5	0.1	[illegible]	[illegible]	[illegible]	0	0	0	0.3	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CH
170.57	171.14	4744	0.57		NIL		
171.14	171.64	4745	0.5		10 / NIL		
172.77	173.77	4746	1.0		NIL		
173.77	174.07	4747	0.3		NIL		
174.07	175.07	4748	1.0		NIL		
175.07	176.47	4749	1.4		NIL		
176.47	177.47	4750	1.0		NIL		
177.47	178.47	4751	1.0		NIL		
178.47	179.47	4752	1.0		NIL		
179.47	180.81	4753	1.34		NIL		
180.81	181.41	4754	0.6		NIL		
184.7	185.3	4755	0.3		NIL		
186.11	186.71	4756	0.7		NIL		
186.71	187.31	4757	0.6		NIL		
188.36	188.96	4758	0.6		NIL		

DRILL HOLE 7-88-17 PROJECT TUCCO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 2, 1988 PAGE 5 OF 11

Metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
190–204.93	Biotite Wacke	0.1	0.0–0.1	0	5	0.1	0	0	0	0	0	0	0.3–3.0	0
204.93–210	204.93 – 213.58 Banded Carbonate/Silicate Facies Iron Formation. [illegible] banded, composed of 20% [illegible] bands up to 2cm wide alternating w/ 3% chlorite [illegible] up to 3mm, 60% biotite rich bands up to 4cm, 0.5–1.0% [illegible] bands up to 8mm and 0.3–0.5% carbonate bands up to 1.5cm. Banding @ 80–90° to CA. 0.5–1% [illegible] up to 1.5mm. 1–2% band parallel po [illegible] 0.5–1% [illegible] calcite veins [illegible] at 70° to CA. 0.3% [illegible] tourmaline [illegible]	0.5–1%	0.0–0.1	0	4–6	0.3–0.5	0	20	3	0	0	0	0.5–1% mv	1–2 mv

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb
193.0	194.0	4759	1.0	NIL
198.0	199.0	4760	1.0	NIL
204.93	206.08	4761	1.15	NIL/10
206.08	206.40	4762	0.32	NIL
206.4	207.4	4763	1.0	NIL
207.4	208.4	4764	1.0	NIL
208.4	209.0	4765	0.6	10
209.0	209.65	4766	0.65	NIL
209.65	[illegible]	[illegible]	[illegible]	NIL

DRILL HOLE T-83-12 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE November 13, 1983 PAGE 10 OF 11

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

206.08 – 206.4 – [illegible] chloritic sandstone [illegible] the argillite. Contacts sharp @ 90° to CA.

207.3 – 208.74 – Banded Argillite contains only 1% sericite-[illegible] bands up to 3mm

[illegible] – 208.74 Argillite contains 5% euhedral [illegible] garnets up to 3mm

209.65 – 210.33 – Crystal Tuff / Lithic Arkose: 15-20% feldspars up to 4mm. 0.5-1% qtz-tour-carb veining @ 25° to CA 0.5% py, 0.3% [illegible] as discordant [illegible] of [illegible] veins. Contacts sharp @ 27° to CA. Weakly sericitic.

210.72 – 211.38 Lithic Arkose. Obvious crystal rich band [illegible] downhole. Possible tops to the north (uphole)

211.67 – 2cm. qtz-ser-calcite vein @ 50° to CA. Contains 0.5% [illegible], 0.3% py and 0.1% of a soft, bluish-silver mineral believed to be molybdenite

212.13 – 213.0 – Lithic arkose [illegible] becoming more [illegible], [illegible] downhole @ 75° to CA

213.0 – 213.58 – Banded argillite fractured and qtz-calcite flooded, with 1% fg py, 0.1% po [illegible]

213.58 – 214.93 Chert-Chlorite-Magnetite Iron Formation

[illegible] banded to [illegible] fine grained [illegible], dark green to [illegible] black [illegible] 1-4% chert bands (2-4mm [illegible]), 30% chlorite bands (0.5-1cm [illegible]), 1% [illegible] [illegible], 2-4% [illegible] brown garnets [illegible] 6mm, 10-15% magnetite bands up to 5mm. 0.5%-1% [illegible] po, 0.3% [illegible] py

214.93 – 218.72 – Lithic Arkose. As of 173.77 – 180.81 but contains [illegible] fragments of felsic porphyry up to 1cm and sericitized felsic fragments (?) up to 2.5cm. 1% qtz-tour veining @ 40-55° to CA. 0.5% fg py, 0.3% po.

219.72 – 221.43 Feldspar Porphyry

[illegible]

ALTERATION & MINERALIZATION %

Interval	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	carb	ank	ser	tour	gf	cp	aspy	py	other
206.08 – 206.4	0.5	0.0	0	4	0.5	2	0.5	0	0	0	0	0.5 py	0.2 mo
	0.5	0.0	0	[illegible]	0	[illegible]	0.5	0	[illegible]	[illegible]	[illegible]	0.3	[illegible]
207.3 – 208.74	0.5-1%	0.0-0.3	0	7-8	0.3	0	0.5-1%	0	0	0	10	0.5-1%	0.3 mo
209.65 – 210.33	1-2	50-75	0	4-4	1	0	0	0	0	0	0	0.3 mo	0.5-1%
210.72 – 211.38	0.5-1	0.0	0-1	7	0	0	0	0.5					
212.13 – 213.0	1-2	0.0-0.1	0	8-9	0	0	1-2	0.5	0	0	0	0.5-1	0
213.0 – 213.58	0.0	0.0	0	5	0.3	0	0	0	0	0	0	0.3	0
213.58 – 214.93	5-10	10-35	0	4-9	0.5-1	0	0	0	0	0.5-1.0 mo	0	1	1-15%
214.93 – 218.72	0	0.0-0.1	0	5	0.3	0	0	0	0	0	0	0.5-1	0-1

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t
210.33	210.78	4762	0.45	NIL	—
210.78	211.38	4769	0.6	NIL	—
211.38	212.0	4770	0.62	NIL	—
212.0	213.0	4771	1.0	20	—
213.0	213.58	4772	0.58	NIL	
213.58	214.43	4773	0.85	20 / NIL	—
216.0	217.0	4774	1.0	NIL	
217.0	218.2	4775	1.2	NIL	
218.72	219.72	4776	1.0	NIL	
219.72	220.72	4777	1.0	NIL	
220.72	221.43	4778	0.71	NIL	
222.38	223.10	4779	0.72	20	
223.1	223.55	4780	0.45	NIL	
223.55	224.28	4781	0.73	NIL	

DRILL HOLE T-88-12 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE NOVEMBER 13, 1988 PAGE 11 OF 11

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

230.0

Composed of 65-75% euhedral feldspars up to 3mm, 5% hornblende, 0.5-1% disseminated po, 15-20% interstitial [illegible] 1-2% [illegible] quartz veining @ 0°-40° to CA.

221.43 – 233.95 Biotite Wacke

As at 51.1-76.22. Massive to locally laminated @ 80° to CA. Local concentrations of small garnets up to 1.5mm throughout.

222.38 – 224.28 Chert-Chlorite-Magnetite Iron Formation

As at 213.50-219.43. Contains 5-15% magnetite bands up to 3mm. 3-5% euhedral to subhedral red-brown garnets up to 8mm associated with chlorite rich bands. [illegible]

223.23 – 223.45 – IF cut by [illegible] qtz-albite-chlorite vein @ 65° to CA. Contains 10-15% po, 0.5-1% py, 1-1.5% late chalcopyrite. Sulfide replacement of magnetite bands observed in adjacent 12-20 cm of IF.

226.58 – 226.73 – Potassic Feldspar Porphyry

233.5 – 234.5 – Wacke more distinctly banded @ 65° to CA. 5% sericitic rich band up to 5mm. 1% qtz-calcite veining. Locally conglomeratic w/ up to 5% sub-rounded [illegible] tuff/lithic [illegible] pebbles up to 3cm. Similar to conglomerate observed at 167.5-168.05.

239.95 – 242.6 Chert-Chlorite-Magnetite Iron Formation

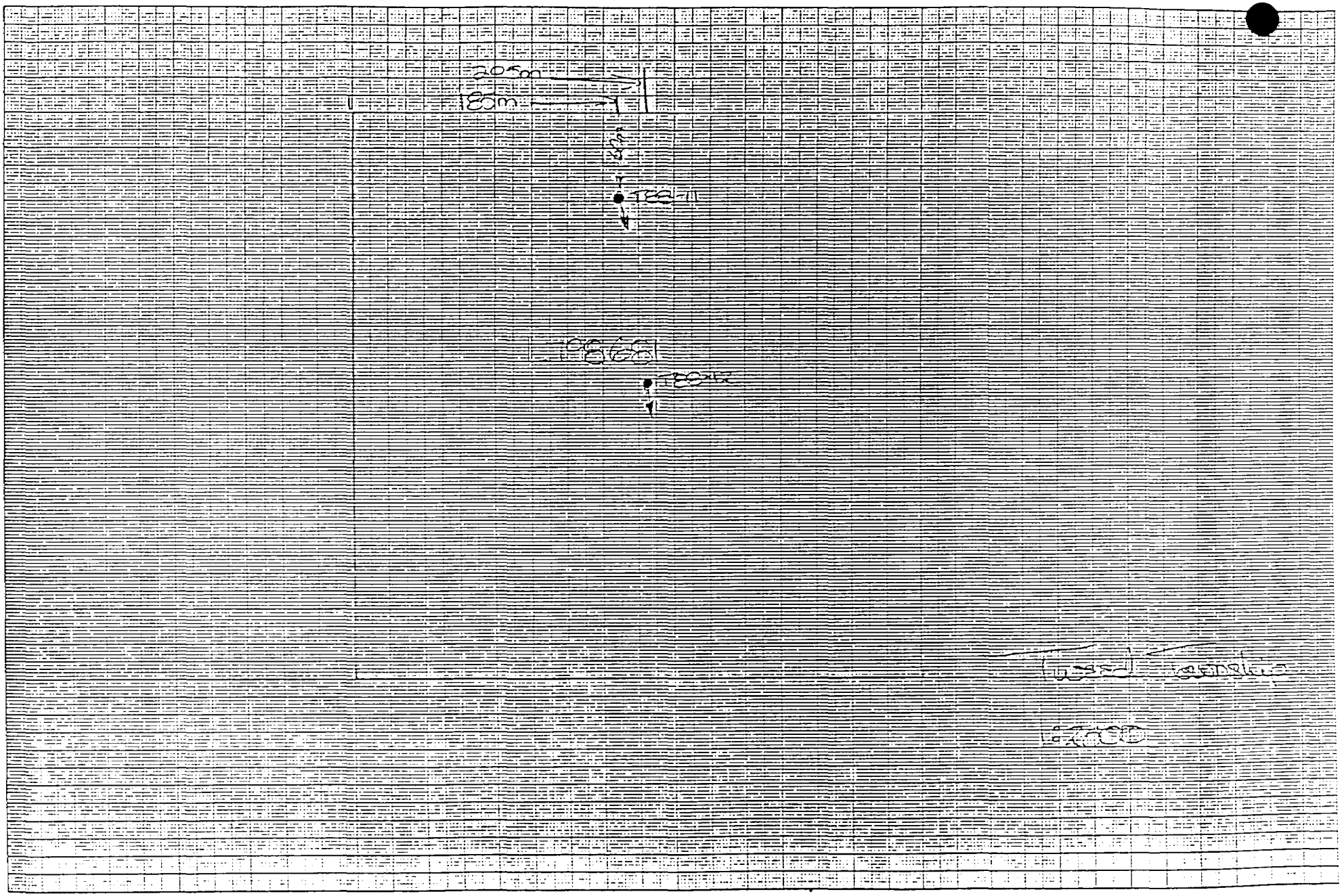
As at 213.53-219.43. 1-2% [illegible] of po as bedding [illegible] qtz-carb veining. 3-5% magnetite rich bands up to [illegible]mm. 1-3% [illegible] epidote [illegible] bands up to 3mm. 0.3% cp.

242.6 – END OF HOLE

% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	fo
0	0.0-0.1	0	5	0.5	0	0	0	0	0	0	0.5 D	0
1	0.0-0.1	0.2	7	0.5	0	5	0	0	0	0	0.3 D,MV	0.5 D,MV
0	0.0-0.1	0.2	5	0.5	0	0	0	0	0	0	0.5 D	0
1	0.4-26	0-1	4-9	0.1	0	0	0	0	0.3 MV	0	0.1 D	0.5 1,MV

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t
230.0	231.0	4782	1.0	20	
233.5	234.6	4783	1.1	NIL	
239.4	239.95	4784	0.55	NIL	
239.95	241.0	4785	1.05	NIL	
241.0	241.8	4786	0.8	10	
241.8	242.6	4787	0.8	NIL	



DRILL HOLE T-88-13 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

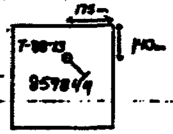
DATE NOVEMBER 26, 1988 PA[illegible] OF 7

AREA GRID C
CLAIM 859844
CORE SIZE BQ
DATE STARTED NOVEMBER 15, 1983
COMPLETED NOVEMBER 22, 1989
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS HOLE STOPPED AT 166.82 m DUE TO EXCESSIVE SANDING AND CAVING IN THE HOLE

	DOWNHOLE	VERTICAL
DEPTH OVERBURDEN	61.0	
DEPTH HOLE	166.82	
ELEVATION		

CO-ORDINATES NORTHING 1+00N
EASTING L0+00

LOGGED BY P. CASHIN
CHECKED BY Peter Cashin



DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
60.95 m		-49.5°	
121.3 m		-44.5°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to intersect a high to moderate chargeability, slightly resistive IP target on line 0+00 / 0+00S at the point of intersection of a regional NE-trending fault structure. The IP target was explained for a zone of silicified graphitic argillite at 109.61–118.0 and at 124.29–127.29 and which contained 0.1–0.5% cpy, 0.5–5% fine py, 0.3% po stringers throughout the sections. More intense silica replacement associated with discordant fracture-filling qtz-calcite-chlorite veinlets at 138.32–13?.63. The regional fault was manifested in core as an altered graphitic fault gouge at 127.29–130.85

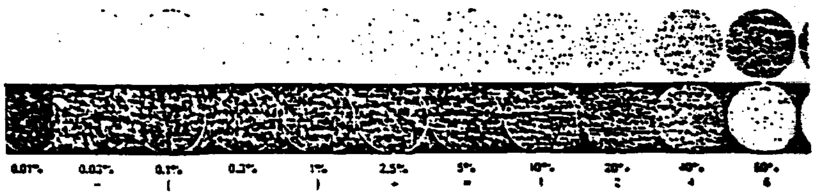
GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	61.0	OVERBURDEN
61.0	72.29	CHLORITIC SANDSTONE
72.29	84.4	CHLORITIC WACKE
84.4	94.27	CHLORITIC WACKE
94.27	96.4	LITHIC TUFF
96.4	109.61	CHLORITIC WACKE
109.61	118.0	SILICIFIED GRAPHITIC ARGILLITE
118.0	124.29	CHLORITIC WACKE
124.29	127.29	SILICIFIED GRAPHITIC ARGILLITE
127.29	130.85	ALTERED GRAPHITIC FAULT GOUGE
130.85	143.2	BANDED WACKE
143.2	145.14	SANDSTONE
145.14	166.82	CHLORITIC WACKE
	166.82	END OF HOLE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
4788 – 4870



DRILL HOLE T-83-13 **PROJECT** TWEEP

CHEVRON MINERALS LTD — DIAMOND DRILL LOG

DATE November 26, 1983 —

DESCRIPTION — cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

0.0 - 61.0 - OVERBURDEN

61.0 - 72.29 — Chlorite Sandstone

[illegible] massive to banded medium green-grey. [illegible] sections) composed of alternating silica-epidote rich bands (2mm - 1.2cm) and chlorite-rich bands (5mm - 3cm). 0.5-1% [illegible] calcite-quartz veins. Moderately silicified regions at random throughout. Banding @ 80° to CA.

61.76 - 61.95 - Highly silicified and qtz-calcite microveined section. Weakly patchy sericitization 0.3% py.

63.38 - 65.0 - Foliated Feldspar Porphyry / Lithic Arkose: Composed of 15-25% [illegible] to [illegible] feldspars up to 6mm, partially K-metasomatized. Have a moderate [illegible] @ 65° to CA. 0.5% [illegible] py [illegible] very weakly chloritic

65.64 - 65.77 - Foliated Feldspar porphyry. As above but weakly foliated.

68.39 - 68.64 - 3-5% foliation parallel blue qtz veinlets and white qtz-sericite veins @.

72.29 - 84.4 - Chlorite Wacke

[illegible] green to brown-green moderately foliated. 5-10% [illegible] and quartz-calcite veins. 3 [illegible] [illegible] 1-3% [illegible] 0.1% [illegible] 0.3% po, 0.1% cpy, 0.03% specular hematite [illegible] foliation [illegible]. Foliation [illegible] weakly [illegible] [illegible] 5mm [illegible] sections at random, possible [illegible] (?) [illegible]

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
0.5-1	0.0-0.1	0	5	0.3	0	0	0	0	0	0	0.1	0
5		0	4	0.5-1	0	.3	0	0	0	0	0.3	0
0.5-1%		0	5	0.3	0	0	0	0	0	0	0.1	0
0.3-0.5%		4	3	0	0	0.3	0	0	0	0	0.5, 0	0
0.5-1		0	5	0.3	0	0	0	0	0	0	0.3	0
0		2	8	0		0.1	0	0	0		3-5%	6
5-10%		3	6	0.5-1%	0.3%	0	0	0	0.1 mv,d	0	1-5% mv,d	0.3 mv,d

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
61.25	62.0	4788	0.75		NIL		
62.78	63.38	4789	0.6		NIL		
63.38	64.0	4790	0.62		NIL		
64.6	65.0	4791	1.0		NIL		
67.79	68.69	4792	0.9		NIL		
69.29	70.29	4793	1.0		NIL		
70.29	71.29	4794	1.0		10		
71.29	72.29	4795	1.0		NIL		
72.29	73.29	4796	1.0		NIL		
73.29	74.29	4797			10/NIL		
74.29	75.29	4798	[illegible]		NIL		
75.29	76.29	4799	[illegible]		NIL		
76.29	77.29	[illegible]	[illegible]		NIL		
77.29	78.29	[illegible]	[illegible]		NIL		
78.29	[illegible]	[illegible]	[illegible]		NIL		
79.29	[illegible]	[illegible]			NIL		

DRILL HOLE T-88-13 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE November 26, 1988 PAGE 3 OF 7

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

Chloritic Wacke

84.4 – 94.27 Chloritic Wacke

As at 72.22–84.4 but only weakly qtz and qtz-calcite microveining (0.5%–1%).

Foliated weakly to moderately developed @ 72° to CA.

89.62–90.15 – Moderately silicified section w 2% grey qtz veins and microveinlets @ 70° to CA (foliation ‖). Transected by calcite-qtz microveinlets and veins up to 5mm @ 35° to CA and as hairline fracture fillings at 0–15° to CA. 1–2% f.g. microveinlets and disseminations of Py, 0.1% cpy. 5% biotite as 8mm section ‖ to foliation.

91.0–92.3 – Medium to coarse grained mafic volcanic section. Contains large lenticular chlorite lenses (amygdules?) up to 3cm. May infact be flattened/high chloritized mafic frags indicating mafic pyroclastic & flattening @ 75° to CA.

93.25–93.3 – Moderately silicified banded section @ 75° to CA. 10% chlorite, 3% red-brown garnets as band parallel concentrations. 0.5%–1% diss. f.g. euhedral Py.

93.67–93.74 – As at 93.25–93.3. 1–2% band parallel f.g. Po.

94.17–94.23 – Small banded chert-chlorite sulfide iron formation. 3–5% f.g. band ‖ pyrite, 0.5% po.

94.27 – 96.4 Lithic Tuff

Grey weakly banded to foliated medium grey grained. 1–2% flattened sericitized lithic fragments ... to

ALTERATION & MINERALIZATION %

d—disseminated; p—pervasive; v—veined; mv—microveined; st—stockwork

Depth (m)	% veins	Mag. sus.	Shear int. 0–10	Hardness 0–10	carb	sericite	ser	tour	qf	cp	aspy	py	Po
82	5–10%	0.0 – 0.1	3	6	0.5–1	0	0	0	0	0.1 mv	0	1% mv,d	0.03 mv,d
87	0.5–1%		2	5	0.5–0.6	0	0	0	0	0	0	0.5 mv,d	0
90	3%		2	7	1	0.1	0	0	0	0.1	0	1–2	0
91	0.5		2	5	0.5	0	0	0	0	0	0	0.3 d	0
92	0		5	5	0.5	0	0	0	0	0	0	0.3 d	0
93	0.5		2	5	0.3	0	0	0	0	0	0	0.5 d	0
95	0.3		2	5	0.3	0	0	0	0	0	0	0.3 d	0
98	5–10%		3	6	0.5–1	0.03	0	0	0	0–0.03 mv	0	0.5–3% mv	0.1 mv

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
~~80.29~~	~~81.29~~	4804	1.0		NIL		
81.29	82.29	4805	1.0		NIL		
82.29	83.29	4806	1.0		NIL		
83.29	84.4	4807	1.11		NIL		
88.82	89.62	4808	0.8		NIL		
89.62	90.15	4809	0.53		NIL		
90.15	90.75	4810	0.6		NIL		
92.75	93.75	4811	0.9		NIL		
93.75	94.27	4812	0.52		NIL/NO		
96.3	96.9	4813	0.6		NIL		
96.9	97.9	4814	1.0		NIL		
97.9	99.3	4815	1.4		NIL		
99.3	100.1	4816	0.8		NIL		

DRILL HOLE T-33-13 PROJECT TWEED **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE November 27, 1989 PAGE 4 OF 7

DESCRIPTION

cg, fg, mg — coarse, fine, medium grained; diss — disseminated
sfol, mfol, wfol — strong, medium, weak foliation; qzvn — quartz vein

metres	Description
100	3cm flattening @ 68° to CA. Mostly intermediate composition
1	<0.5% albite-Sgty microveinlet (up to 2mm) @ 30° to CA.
2	96.4 – 109.61 **Chlorite Wacke**
	As at 72.29 – 84.4
3	96.4 – 96.84 – Highly silicified section containing
4	3-5% biotite, 5-8% chlorite, 1% small garnets.
	Host 4cm banded albine qtz vein @ 70° to CA.
5	Fractured and py-biotite flooded. 2-3% fracture
	‖ fg py, 0.4% cpy
6	97.1 – 97.25 – Qtz-cemented breccia section 0.3% fg pyrite
7	Whole section contains 5-15% qtz and qtz-calcite
	veinlets, stringers and hairline microveinlets. Weakly
8	moderately to highly silicified sections throughout.
	0.5 – 3% fg py, 0.3% cpy and trace parallel and oblique
9	microveinlets and blebs throughout. At least 36
	vein episodes identified
110	99.3 – 102.0 – Section highly silicified and sericite- (weakly)
	ankerite (?) altered by banding @ 80° to CA. 3-5%
1	fine and brecciated qtz and qtz-calcite microveinlets
	w/ 1-5% py, 0.5% po, 0.1% cpy, 0.03% aspy
2	100.1 – 100.41 – Small fault gouge section. 30% recovery.
3	Fault @ 80° to CA
4	102.3 – 103.51 – Weakly to moderately foliated and weakly silicified
	as described at 91.0 – 92.3. Flattened chlorite
5	grains up to 3mm. Foliation @ 45° to CA. 0.5% foliation ‖
	fg py.
6	103.51 – 109.61 Degree of foliation and breccia development
	higher. Local patchy silicification 2-5% qtz, qtz-
7	calcite microveinlets & stringers. More chlorite
8	104.00 – 104.26 – Section moderately to highly silicified and
	garnetiferous (3%). 5% qtz veinlets w/ 2-3% fg py
9	0.1% cpy as fracture filling in veins.
120	105.21 – 105.45 – [illegible] veinlets, veins Z-Hbl + [illegible]

ALTERATION & MINERALIZATION %

d — disseminated; p — pervasive; v — veined; mv — microveined; st — stockwork

metres	% veins	Mag. sus.	Shear int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	?
101	10%-20		3	9	1-3	0.1-0.3	0.5	0.1	6	0.1 mV	0.03 mV	1-3 mV	0.5 mV
103	0.5-1		4	5-6	16	0	6	0	0	0	0	0.5 mV	0
104	0.5-1		5	5	17	0.5	0	0	0	0.1	0	0.5	0
104.5	2-3		5	8	0.5-1	0.1	0	0	0	0.1	0	2-3	0
107	3-5%		5-6	6	1-2	0.3	0	0.0	0	0.1	0	0.5-3% mV	0.5 mV
110	[illegible]	0.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0
114	0.5-1%	0.0	3-4	6-8	0.3	0	0	0	3-5	0.3 MV	0	0.5-3% MV	0
119	0.5		4-5	5-6	0	0	0	0	[illegible]	0	0	0.5-1%	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHr
100.1	101.1	4817	1.0	—	NIL	—	—
101.1	102.0	4818	0.9	—	NIL	—	—
102.0	103.5	4819	1.51	—	NIL	—	
103.51	104.06	4820	0.55		NIL	—	
104.06	104.46	4821	0.4		NIL	—	
104.46	105.16	4822	0.7		NIL	—	
105.16	106.0	4823	0.79		NIL	—	
106.0	107.0	4824	1.0		NIL	—	
107.0	108.0	4825	1.0		NIL	—	
108.0	109.0	9826	1.0		NIL		
109.0	109.61	4827	0.61		NIL		
109.61	110.21	4828	0.6		NIL		
110.21	111.21	4829	1.0		NIL		
111.21	112.21	4830	1.0		IC/NIL		
112.21	113.21	4831	1.0		NIL		
113.21	114.21	4832	1.0		NIL		
114.21	115.21	4833	1.0		NIL		
115.21	116.0	4834	0.79		NIL		
116.0	117.0	4835	1.0		NIL		
117.0	118.0	4836	1.0		NIL		
118.0	119.1	4837	1.1		NIL		

DRILL HOLE T-88-73 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE NOVEMBER 27, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

Crenulation cleavage @ 70° to CA Oblique to inward foliation

109.61 – 118.0 Silicified Graphitic Argillite

As described above but exhibits pervasive silicification of the section observed, 1-3% 1-2mm garnets throughout. 0.5-3% fine py patches and fracture filling microveinlets. 109.87 – 110.05 — Silicified graphitic section composed primarily of black carbonaceous material and 1-2% fine euhedral py, 0.1% cpy microveinlets + stringers. All sulfide veinlets associated with carbonaceous material. Carbonaceous bands make up 3-5% of total section.

115.52 – 115.67 – Carbonaceous band as described at 109.87 – 110.05. 60% carbonaceous material @ 70° to CA.

118.0 – 124.29 Chloritic Wacke

As at 96.4 – 109.61 but banded. Bands composed of alternating 90% chl-rich (5-8cm) and 10% bio-rich bands (1-4mm). Banding @ 70° to CA. 0.5%-1% py as qtz-carb microveinlets. Proportion of brown biotite-rich bands observed to increase downhole. Foliation moderately developed.

121.05 – 121.62 Biotite Wacke

As above but generally mostly biotite with 10-15% chl-rich bands.

121.62 – 122.17 – Brecciated qtz + qtz-calcite veins with 0.5-1% po, 0.5-1% py assoc. with breccia flooding.

124.29 – 127.29 Silicified Graphitic Argillite

As described at 109.61 – 118.0 but more highly silicified. Primary banding cut by numerous calcite and qtz-calcite veinlets and stringers @ 0-25° to CA. Banding @ 70° to CA. Each composed of 35% graphitic bands up to 1mm - (1cm) and 65% silicified argillite bands. 0.5-5% pervasive to banded fine to v fine pyrite, 0.3% po, 0.1-0.3% fine cpy. Small proportion of euhedral pyrite observed associated with graphitic bands.

127.29 – 130.85 – Altered Graphitic Fault Gouge

ALTERATION & MINERALIZATION %

d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	?%
0.5	0.0-0.1	4-5	5-6	0	0	0	0	0	0	0 7%	0.5-1% MV	0
5-10		4-5	7	0.5	0	0	0	0	0		0.5-1%	0.5-1%
0.5		4-5	5-6	0	0	0	0	0	0	0	0.5-1% MV	0
0.5-5%		2	8-9	0.5-1	0	0.5	0	0	0.1-0.3 MV	0	0.5-5% MV, P.	0.3 MV
FAULT GOUGE												
1-3		2	7-8	0.3	0	0.5	0	0	0	0	0.1-0.3	0.5-1.0%
0.5-1%		3	6	0.5	0	0.3	0	0	0	0	0.1-0.3	0
0.5-		3	8-9	0.3	0.1	0	0	0	0	0	0.1-0.3	0
0.5-1		3	5	0.5	0	0.1	0	0	0	0	0.1-1.3	0
1-2		3	8-9	0.5	0	0	0	0	0	0	2-3	0
0.5-1		3	6	0.3	0	0	0	0	0	0	0.1-0.5	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
121.05	121.62	4838	0.57		NIL		
121.62	122.17	4839	0.55		NIL		
123.29	124.29	4840	1.0		NIL		
124.29	125.09	4841	0.8		NIL		
125.09	125.89	4842	0.8		NIL		
125.89	126.69	4843	0.8		NIL		
126.69	127.29	4844	0.6		NIL		
127.29	130.85	4845	3.56		NIL		
130.85	131.77	4846	0.92		NIL		
131.77	133.0	4847	1.23		NIL		
133.0	134.0	4848	1.0		NIL		
134.0	135.0	4849	1.0		NIL		
135.0	136.0	4850	1.0		NIL		
136.0	137.0	4851	1.0		NIL		
137.0	138.02	4852	1.02		NIL		
138.02	138.78	4853	0.76		NIL		
138.78	140.28	4854	1.5		NIL		

DRILL HOLE T-83-13 **PROJECT** TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** **DATE** November 27, 1982 **PAGE** [illegible] **OF**

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

(metres: 140 – 160)

Gouge composed of altered and brecciated feldspar porphyry and graphitic argillite

130.35 – 143.2 Banded Wacke

Fg to aphanitic, banded to massive wacke, composed of alternating green chloritic (5cm – 3cm) and red to brown biotitic (1cm – 4cm) sections. Bedding @ 80° to CA. 1-3% flattened red-brown pyritiferous lenses up to 8mm // banding / foliation. Locally the wacke moderately to highly silicified in association with fracture-filling qtz-calcite-chlorite-sulfide veinlets.

131.15 – 131.77 – Silicified Feldspar Porphyry Intrusive. Fg to mg, massive, non foliated, white-grey. 20-25% euhedral to subhedral white feldspars up to 5mm with off-white sericite rims. 1-2% wispy muscovite / moderately silicified matrix. 0.5-1% fg diss po, 0.1-0.3% fg py. Contacts sharp @ 80° to CA.

132.44 – 133.02 – 3% qtz-chlorite veining. Wacke moderately to highly silicified. 0.1-0.3% py.

133.59 – 133.75 – Silicified Feldspar Porphyry as at 131.15 – 131.77. Contacts sharp @ 75° to CA. Cut by coarse grained, granitic muscovite-chlorite-calcite veinlets @ 0° to CA. Wacke on upslope side of intrusive moderately silicified.

138.02 – 138.63 – Rock exhibits intense siliceous alteration halos on fracture-filling qtz-chlorite-calcite-pyrite? micro-veinlets @ 20 and 80° to CA. 2-3% vfg py as vein filling and disseminated selvage material.

143.2 – 145.14 – Sandstone

Fg to vfg, light grey to grey green, faintly banded to laminated sand, weakly to moderately silicified. Banding @ 72° to CA. Weak microveining.

145.14 – 166.32 Chlorite Wacke

As at 130.35 – 143.2 but more chloritic. Well banded to laminated @ 85° to CA

ALTERATION & MINERALIZATION %

d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	po
0.5		3	6	0.3	0	0	0	x	0	0	0.1-0.3	0
0.1-0.3	0.0-0.1	1-2	6-7	0.1	0	0	0	0	0	0	0.3 / 0	0
0.5-3%		0-2	7-8	0.3	0	0	0	6	0.1	0.01	0.5-3%	0.1
10%	0.0-3%	0-2	6-7	0.1	0	0	0	0	0.5	0	5	2
0.5 / 1.0		2-3	5-6	0.3-0.5	0	0	0	0	0	0	0.3-0.5	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CH?
~~140.28~~	~~141.0~~	4855	0.72	--	NIL		-
~~141.0~~	~~142.0~~	4856	1.0	--	NIL		
~~142.0~~	143.2	4857	1.2	--	NIL		
143.2	144.2	4858	1.0	--	NIL		-
144.2	145.14	4859	0.94		NIL		
145.14	145.64	4860	0.5	-	NIL		
145.64	146.47	4861	0.83	NIL	NIL	15	49
146.47	147.17	4862	0.7	NIL	NIL	<1	39
147.17	148.0	4863	0.83	.2	10/NIL	51	25
148.0	148.43	4864	0.43	.2	10	23	88
148.43	148.91	4865	0.48	.6	20/20	160	110
148.91	149.91	4866	1.0	NIL	10	58	56
154.0	155.0	4867	1.0	NIL	NIL	43	66
157.28	158.23	4868	1.0	NIL	NIL	33	5

DRILL HOLE T-88-13 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE November 27 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork

metres	Description	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Pt
160	146.47 – 143.0 10-15% silicified, cherty-looking bands up to 4cm. 5-10% garnets up to 3mm. 0.3-3% fg py, 0.1% cpy, 0.1% po as bands/microveinlets. 1 [illegible] of [illegible] observed @ 147.2													
3	143.23 – 148.91 Chlorite wacke brecciated and flooded by 5% cg py, 1% cg po, 0.5% cpy	0.3 / 0.5	0.0–0.1	2	5-6	0.3	0	0	0	0	0	0	0.3	0
8	166.82 – End of Hole													

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	Chr
160.0	161.0	4869	1.0		NIL		
165.82	166.82	4870	1.0		NIL		

DRILL HOLE T-88-14 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 2, 1988 PAGE 1 OF

AREA GRID 6
CLAIM 859854
CORE SIZE BQ
DATE STARTED NOVEMBER 26, 1988
COMPLETED DECEMBER 2, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

DEPTH	DOWNHOLE	VERTICAL
OVERBURDEN	70.36	
HOLE	221.2	

ELEVATION

CO-ORDINATES NORTHING 0+45S
EASTING L 10+00E

LOGGED BY Ed Van Hees
CHECKED BY P. Coulson

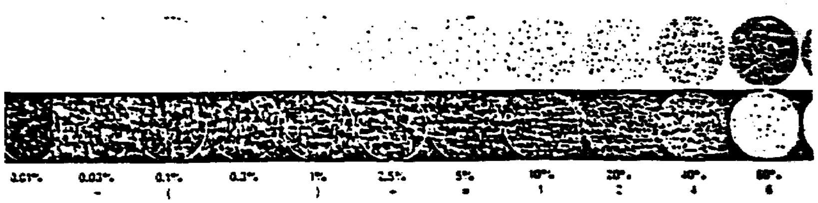
859854
T-88-14
103m
205m

DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
70.1		-47.5°	Acid Test
126.8		NO ETCH	"
218.22		-47.5°	"

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

Drill hole was intended to intersect a moderate chargeability, low resistivity IP anomaly observed on L 10+00E / 1+75S. The target was explained as a graphitic + pyrite zone at 124.5-124.81 and pyrite and pyrrhotite accumulations in and adjacent mafic tuff horizon between 121.24 - 124.50. A massive sulfide zone was also obtained within a section of altered mafic tuffs at 156.64-158.04 with up to 50% by py and .05% arsenopyrite. Downhole from this section are observed silicified and hematized mafic volcanics between 153.09-16[illegible] containing between 3-15% pyrite accumulations associated with qz-carbonate microveinlets. Botryoidal pyrite was observed within a quartz-carbonate vein at 163.19-163.87.



GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	70.36	OVERBURDEN
70.36	72.48	BIOTITIC WACKE
72.48	73.27	CHERT / ~~CHERT~~ CHLORITE-SULFIDE IF
73.27	84.06	BIOTITIC WACKE
84.06	105.5	MAFIC TUFF
105.5	116.81	ALTERED MAFIC TUFF
116.81	124.5	MAFIC TUFF
124.5	124.81	GRAPHITE + PYRITE ZONE
124.81	127.71	MAFIC TUFF
127.71	129.75	ALTERED MAFIC TUFF
129.75	133.3	MAFIC TUFF
133.3	137.65	SHEARED MAFIC TUFF
137.65	156.64	ALTERED MAFIC TUFF
156.64	158.04	MASSIVE SULFIDE ZONE
158.04	193.91	ALTERED MAFIC TUFF
193.91	221.2	FOLIATED GRANODIORITE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

4871 — 4935

DRILL HOLE T 89-14 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE December 2, 1988 PAGE / OF

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHr
70	0 - 70.36 m — Overburden																					
1–2	70.36 - 72.48 m Biotite Wacke - medium beige-brown massive unit with significant chlorite content in places producing a layered or bedded appearance. 71.38-72.49 — Py + Gr? minor diss on fractures	.5-1%	0.0-0.1	0-1	5	0	0	.25-.5	0	0	0	0	.5-1	0								
3	72.48 - 73.27 m Chert - unit is ined very siliceous unit, bands up to 10 cm thick with [illegible] (sulfides?) and [illegible]	2-3	0.0	0	7	0	0	0	0	0	0	0	1-2	1-2	72.48	73.27	4871	.79		NIL		
4–9	73.27 - 84.06 m Biotite Wacke - massive medium beige-brown to grey brown unit. In two or three places small units of coarser material develop over 5-15 cm. Quartz veining averages 3% over the length but in places is 10-15%. Banding where present is at 60-70% TCA. Chlorite introduction is evident in many places and gives banding effect. 79.34 to 79.9 m much strong shearing an quartz veining, wallrock + veins carry Py stringers, Po blebs and minor diss Scheelite	15	01	7	7	0	0	0	0	0	0	0	2	1	79.34	79.9	4872	.56		NIL		
80–3	82.99 - 84.06 m Pyrite concentration is up to 5-7%, disseminated and not ass. with other sulphides	3-5	0.0	4	7	0	0	0	0	0	0	0	5-7	0	82.99	84.06	4873	1.07		NIL		
4–10	84.06 - 99.53 m Mafic Volcanic Tuff — dark grey green volcanic tuff with fine banding. Banding [illegible] occurs at 70 degrees TCA but in places [illegible] [illegible] to 96.22 m where [illegible] [illegible] TCA are present in [illegible] structures that suggests [illegible]. [illegible] (or [illegible] like movement). Some chlorite introduction is evident in places [illegible] [illegible] 97 m	3-4	0.0-0.1	0-1	4	0	0	0	0	0	0	0	[illegible]	0	99	90	4874	1.0		NIL		

DRILL HOLE ______ PROJECT ______ CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE ______ 2 PAGE ___ OF ___

DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
84.06 - 99.53 m mafic volcanic tuff contd	3-4	0.01-0.1	1/9	5	0	0	0	0	0	0	0	.25	0	94	95	4875	1.0	—	NIL	—	—
99.53 - 100.48 m ?Feldspar Phenocryst Flow? - zone consisting of numerous large feldspar phenocrysts up to 3 cm aggregates in a matrix of chlorite, ... and minor pyrite. ½% Py ... Chalco. (side note: Feldspar fragments ...)	2-3	0.0-0.01	2.5 (depending ...)	6	0	0	0	0	0	.01	0	.25-.50	0	99.53	100.48	4876	1.01		NIL		
100.48 - 105.50 m Mafic Volcanic Tuff - massive dark green volcanic tuff with fine banding in places as well as occasional light colored lapilli size fragments. Last half of this section has frequent 1mm pyrite bands at 20°-70° TCA. These have minor chlorite + mostly also with them. - some leucoxene on fracture surfaces.	1-3	0.0-0.1	0-1	5	0.5	0	0	0	0	0	0	1-2	0	103.35	105.5	4877	2.15	NIL	10	115	49
105.50 - 116.31 m Altered Mafic Volcanic Tuff - mafic volcanic tuff as above except that significant sections have been altered. Alteration is typically to a medium red-brown color. This is associated with the introduction of pyrite - occasionally up to 50 percent - within the altered sections.														105.5	106.46	4878	.96	NIL	10	114	5[illegible]
														106.46	107.67	4879	1.21	NIL	NIL	92	49
														107.67	109.35	4880	1.68	NIL	NIL	83	4[illegible]
														109.35	110.1	4781	.75	NIL	20	107	70

DRILL HOLE PROJECT **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 3 PAGE OF

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

metres	Description	% veins	Mag. sus.	Shear int. 0–10	Hardness 0–10	Alteration & Mineralization % (carb, sak, ser, tour, gf, cp, aspy)	py	Po
40 – 7	105.50 – 116.81 m *Altered Mafic Volcanic Tuff* cont'd. The most prominent alteration areas occur at 105.5 – 105.71 m; 107.55 – 107.80 m; 109.35 – 110.92 m; 111.94 – 112.36 m — some of the zones have garnet growth associated with them. The garnets suggest they are rotated slightly & therefore in a shear zone	3% carb	0.0 – 0.1	1 – 4	4 – 7	4 – 5, 0, 0, 0, 0, 0, 0	tr – 2	
7 – 124	116.81 – 124.50 m *Mafic Volcanic Tuff* as described previously except banding is very well developed in a large part of this section. Garnet is present in many banded areas and appears to be [illegible] which have not been rotated for the most part. Pyrite + Pyrrhotite are concentrated in places up to 50%. These are at 121.24 – 121.50 m, 123.55 – 123.70 m, 124.00 – 124.50 m	1% M.V.	0.4 – 39.8	0	5 – 7	0, •, 0, 0, 0, 0, 0	10; 3-4; 1-2; 2-3; 5	
124 – 5	124.50 – 124.81 m Graphite – Pyrite Zone – has Chert lenses	5	0	2-4	2-7	0, 0, 0, 0, 40, 0, 0	5	20
5 – 7	124.81 – 127.56 m *Mafic Volcanic Tuff* – as described immediately above graphite zone. Contact with graphite zone @ 25° TCA. Pyrite present in [illegible] and disseminated	2 to 3%	0.0 to 0.1	0-1	5-6	0, 0, 0, 0, 1-2, 0, 0	2-3	0
7 – 8	[illegible] – [illegible] m [illegible] – Mafic zone @ 45° TCA	[illegible]	0	[illegible]	5	0, [illegible], 0, 0, 0, 0, 0	[illegible]; 25	0; 0
8 – 0	127.91 – 129.75 m *Altered Mafic Volcanic Tuff* Altered as before with significant areas of red-brown alteration and pyrite mineralization – appears to have 2 pyrite generations. [illegible] @ [illegible] contact	1-2	0.0	1-3	5	0, 0, 0, 0, 0, 0, 0	2-3; 0	0; 0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Hg ppb	Au ppb	Cu ppm	Zn ppm
110.10	110.83	4882	.73	NIL	NIL	123	68
111.94	112.80	4883	.86	NIL	NIL	87	37
113.86	114.44	4884	.60	NIL	10	82	58
117.31	117.92	4889	0.61				
120.6	121.5	4885	0.9	.3	NIL	78	43
122.0	123.3	4886	1.3	NIL	NIL	58	51
123.3	124.0	4887	0.73	NIL	NIL	134	26
124.0	124.50	4888	0.50	.2	NIL	143	311
124.5	124.81	4890	0.31	.7	NIL	369	100
124.81	125.80	4891	0.99	NIL	30	118	40
125.80	126.54	4892	0.74	.2	NIL	64	26
127.91	128.30	4893	0.39	.6	NIL	87	153
128.10	129.07	4894	0.97	.2	NIL	69	51

DRILL HOLE PROJECT **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 4 PAGE OF

metres	DESCRIPTION (cg, fg, mg–coarse, fine, medium grained; diss–disseminated; sfol, mfol, wfol–strong, medium, weak foliation; qzvn–quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
130–133	129.75 – 133.30 m **Mafic Volcanic Tuff** dark grey green mafic tuff with poor banding	.50	0.0	0	5	0	0	0	0	0	0	0	0	0
134–137	133.30 – 137.65 m **Mafic Shear Zone** – mottled mafic volcanic with planar feature @ 60-70° TCA. Significant microveining of quartz @ 10, 45 and 60 degrees TCA. Lots of post veining movement as indicated by numerous vein offsets. Pyrite is present and normally disseminated	5-7	0.0-0.1	4-8	5	0	0	0	0	0	0	0	.5	0
138–143	137.65 – 143.45 m **Altered Mafic Volcanic Tuff** as described previously with weak banding. Areas of red-brown alteration associated with silicification and disseminated pyrite.	3-5	0.0-0.1	1-3	5-7	0	0	0	0	0	0	0	0 (2-3; T; 1; 1 at sampled intervals)	0
144	143.60 – 144.66 m **Silicified Zone** – light brown very siliceous zone with vestiges of tuff	25	0	0	7	0	0	0	0	0	0	0	1	0
145–150	144.66 – 156.64 m **Altered Mafic Volcanic Tuff** characterized by pervasive silicification in places (most) and the presence of pyrite bands/streaks throughout. Garnet and other fragments present between bands which generally are at 70° TCA but all angles present, with a fold recorded at 154.1 m. Minor bands of graphite 1-3 mm present occasionally.													

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
133.3	134.3	4895	1.0	NIL	30	84	34
137.65	138.58	4896	0.93	NIL	NIL	102	28
138.58	139.28	4897	0.70	NIL	NIL/NIL	62	26
141.90	142.77	4898	0.87	NIL	NIL	58	31
142.77	143.60	4899	0.83	.2	10	114	15[illegible]
143.60	144.66	4900	1.06	NIL	10	68	6[illegible]
145.17	145.6	4901	0.47	.2	NIL	78	[illegible]
146.22	147.15	4902	0.93	.5	10	90	3[illegible]
147.15	148.4	4903	1.25	.4	NIL	65	87
148.4	149.37	4904	0.97	NIL	NIL	41	21[illegible]
149.37	151.2	4905	[illegible]	.3	NIL	45	12[illegible]

DRILL HOLE PROJECT **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 5 PAGE OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzve—quartz vein

144.66 – 156.64 m Altered Mafic Volcanic Tuff

cont'd

156.64 – 158.04 m Massive Sulphide Zone

*Note Melye 157.15 — 50% pyrite of 2 generations with minor graphite + Volc. frag.

158.04 – 163.19 m Altered Mafic Volcanic Tuff

mafic volcanic tuff has been silicified in many places and may have interlayered chert. Both silicified and chert areas have associated pyrite with local concentrations up to 30 percent. lower contact is Py-Qtz vein @ 45° CA

163.19 – 163.87 m Pyrite - Quartz Vein – has botryoidal texture in pyrite suggesting pyrite growth in a [illegible]

163.87 – 193.91 m Altered Mafic Volcanic Tuff

mafic volcanic tuff is strongly silicified in many places and in some has been replaced completely. Pyrite is significant in the first 2 90 metres but then decreases [illegible] to [illegible] then 1 percent. Upper contact with the vein is @ 70° TCA. In a number of places ie 166.40 m we get granitic [illegible] present, it appears to be [illegible] [illegible] [illegible] 1[illegible]

Interval (m)	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
144.66 – 156.64	1-2	0.0-0.1	0-1	5									
156.64 – 158.04	0-1	0-1 / 0-6	1-2	4-5	0	0	0	0	1-2	0	0.05	50	0
158.04 – 163.19	0-1	0.0-0.1	0-1	5	0	0	0	0	0	0	0		
163.19 – 163.87	30	0.0-0.1	0-1	4-7	2-3	0	0	0	0	0.1	0	70	0

SAMPLING

py	Po	From (m)	To (m)	Sample #	Width (m)	Ag ppm	Au ppb	Cu ppm	Zn ppm
		149.37	151.2	4905	1.83	.3	—	45	122
		~~151.2~~	152.02	4906	0.92	NIL	NIL	39	106
		152.02	152.79	4907	0.77	.3	NIL	60	43
		152.79	153.77	4908	0.98	.2	NIL	38	94
		153.77	154.68	4909	0.91	.3	NIL	36	375
		154.68	155.75	4910	1.07	.3	NIL	19	123
0.5	0	155.75	156.64	4911	0.89	1.1	NIL	23	99
50	0	156.64	157.31	4912	0.67	6.6	NIL	97	568
—	—	157.31	158.04	4913	0.73	59	10/20	212	750
5-7	0	158.04	159.34	4914	1.30	.7	NIL	62	161
1-2	0	159.34	160.46	4915	1.13	.3	NIL	42	32
1-2	0	160.46	161.57	4916	.11	.7	NIL	42	41
5-7	0	161.57	162.57	4917	1.00	NIL	NIL	56	118
10-15	0	162.57	163.19	4918	0.62	.3	NIL	83	84
70	0	163.19	163.87	4919	0.68	1.3	NIL	186	169
4-5	0	163.87	164.77	4920	0.90	.4	NIL	33	365
1-2	0	167.48	168.42	4921	0.94		NIL		

DRILL HOLE PROJECT CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE 6 PAGE OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

170 – 163.87 – 193.91 m <u>Altered Mafic Volcanic Tuff</u>

- unit continues
- unit from 170 m on is still strongly silicified, with banding at 70 to 90° TCA
- veining consists of microveined quartz predominantly with general concentrations of 1-2 percent and occasionally up to 4-5%.
- garnets are present at 178.5 m to 178.80 m against a small section of grey granitic rock 5 cm. The granite is biotite rich and below garnets.

173.43 m – two small quartz veins 1-2 cm wide are present with tourmaline. These cut the core @ 70° and have 1-2% pyrite associated with them.

185.59 - 191.66 m – garnets are present in varying concentrations. The greatest abundance is at about 188.4 m

% VEINS: 1-2 — MAG. SUS.: 0.6-0.1 — SHEAR INT. (0-10): 0-2 — HARDNESS (0-10): 5-7

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, m—microveined, st—stockwork)

	Hardness	cal	ank	ser	tour	gf	cp	aspy	py	Po
173.15–173.98	5-8	0	0	0	1-2	0	0	0	0.5	0
178–179	5-7	0	0	0	0	0	0	0	0-.25	0
179.42–180.46									0.5	0
185.69–186.71									.5-1	0
186.71–187.61									.5-1	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHF
173.15	173.98	4922	0.83		NIL		
179.42	180.46	4923	1.04		NIL		
155.69	186.71	4924	1.02		NIL		
186.71	187.61	4925	[illegible]		NIL		

DRILL HOLE PROJECT CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE PAGE OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained dias—disseminated

sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

163.87 – 193.91 m Altered Mafic Volcanic Tuff

191.66 m to 193.91 m Epidote increases towards lower contact with porphyritic granodioritic gneiss. Epidote concentrations up to 20 %. Pyrite is disseminated and related to Epidote

(See Previous page for values)

19391 – 221.12 m Granodiorite Gneiss / Foliated Granodiorite

Coarse grained granodiorite gneiss with phenocrysts up to 1 cm but normally 5 mm in size

Composition is 60% felsic and 40% mafic minerals

Felsic minerals predominantly consist of feldspars

Mafic minerals include epidote, biotite and probably [illegible]

Potassic Alteration || Color is pink-red near the contact and decreases to a pink-beige @ about 207 m. Color is more or less the same [illegible]

Large mafic xenolith is present between 195.94 – 195.68 m

Several small mafic xenoliths occur in the area of 205.07 – 205.55 m

[illegible] → [illegible] is more or less homogeneous [illegible] gneissic unit @ 1-2 but in places increases up to 5-7 these are at 204.37 m; 202.84 m; and 194 → 195.7 m.

% Veins: 1% · Mag. Sus.: 0.1 – 0.5 (increasing with depth) · Shear Int.: 1-7 · Hardness: 5-6 · Alteration & Mineralization %: 0, 0, 0-2, 0, 0, 0, 0, 0

SAMPLING

py	Epidote	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
2-3	5-10	191.59	192.93	4926	1.34		NIL /10		
1-2	5-6	192.93	193.91	4927	0.98		NIL		
.5	0	193.91	195.16	4928	1.25		NIL		
.5-1	0	196.18	197.04	4929	0.96	NIL	NIL	21	60
.5-1	0	198.27	199.47	4930	1.20	NIL	NIL	17	65
.5-1	0	202.63	203.50	4931	0.87	NIL	NIL	21	6[illegible]
.5-1	0	207.05	207.79	4932	.74	NIL	20	23	[illegible]
.5-1	0	208.93	209.93	4933	1.0	NIL	NIL	22	5[illegible]

DRILL HOLE PROJECT CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE 8 PAGE OF

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained; dise—disseminated sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein	% veins	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated, mv—microveined, p—pervasive, v—veined, sh—stockwork; cal, ank, ser, tour, gl, cp, copy, py)	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb		
210	193.91 – 221.12 m Granodiorite Unmineralized / Foliated Granodiorite												
1													
2													
3													
4													
5													
6													
7						py 1	216.67	217.07	4935	1.0	NIL	10	24 44
8						py 1	217.07	218.07	4934	1.0	NIL	NIL	23 63
9													
220													
1													
2	EOH												
3													
4													
5													
6													
7													
8													
9													
230													

DRILL HOLE T-88-15 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 8, 1988 PAGE 1 OF 7

AREA GRID 7
CLAIM 797293
CORE SIZE BQ

DATE STARTED NOVEMBER 25, 1988
COMPLETED DECEMBER 3, 1988

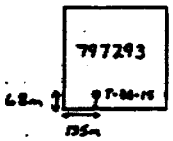
CONTRACTOR DOMINIC
UNITS METRIC
COMMENTS

DEPTH	DOWNHOLE	VERTICAL
OVERBURDEN	85.62	
HOLE	200.0	

ELEVATION

CO-ORDINATES NORTHING 14+765
EASTING L 28+00E

LOGGED BY P. CASHIN
CHECKED BY Peter Cashin

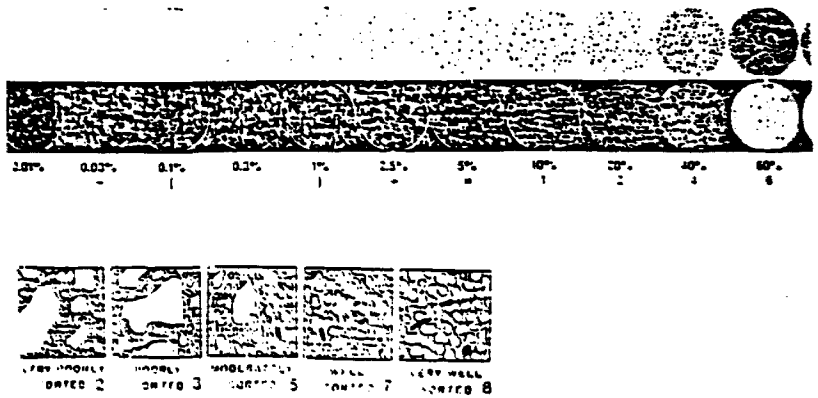


DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
85.34		-48.3°	ACID TEST
121.91		-49.2°	" "

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The drill hole was planned to intersect a moderate Max-Min conductor centred on line 28+00E at 16+00S. The conductor was explained by a graphitic pyrrhotite zone at 114.6 - 121.19. Additional semi-massive sulphide sections were observed at 125.9 - 127.23, 127.73 - 132.75 and 133.36 - 139.73. All sulphide section are predominated by pyrrhotite with less pyrite, chalcopyrite and magnetite



GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	86.22	OVER BURDEN
86.22	97.91	MASSIVE TO AMYGDALOIDAL MAFIC
97.91	99.25	BIOTITIC LAHAR
99.25	105.22	MASSIVE TO AMYGDALOIDAL MAFIC
105.22	114.6	MASSIVE MAFIC VOLCANIC
114.6	121.9	GRAPHITE + SULFIDE ZONE
121.9	125.9	INTERMEDIATE TUFF/CHLORITICLAHAR
125.9	127.43	LITHIC TUFF
127.43	129.69	AGGLOMERATE
129.69	132.13	BIOTITIC LAHAR
132.13	140.15	MAFIC AGGLOMERATE
140.15	160.13	MASSIVE TO AMYGDALOIDAL MAFIC
160.13	166.1	CHERTY CONGLOMERATE
166.1	168.1	MINOR BIOTITIC ANDESITIC LAHAR
168.1	177.97	PORPHYRITIC MAFIC VOLCANIC
177.97	200.0	CHERTY TO PEBBLE CONGLOMERATE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

4936 - 4981

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

0.0 – 85.62 – OVERBURDEN

85.62 – 105.2 Massive to Amygdaloidal Mafic Volcanic

Mafic to cg, massive, medium green-grey rock with brownish-red mottling. Occasional interflow sedimentary layers at random. Amygdaloidal sections compose 5% of section, are up to 8 mm in diameter and flattened @ 62° to C.A. Predominantly calcite-filled. Coarse grained sections sometimes [illegible] felted actinolite crystals up to 6 mm. 50-[illegible] [illegible] plagioclase <1% [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] pyrite [illegible]

97.91 – 99.25 – Biotite wacke – interflow sediment, contact @ 68° to C.A. Fine grained, brownish-red, biotite-rich. Occasional mafic flow fragments up to 4 cm observed.

Interval	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	carb	ank	ser	tour	gf	ep	[illegible]	py	Po
85.62 – 105.2	0.5-1%	0.0-0.1	0	5-7	0.5 M	0	0	0	0	0	0	0.3 D	0
97.91 – 99.25				4-5	0.03	0	0	0	0	0	0	0.03 P	0
				5-7	0.5	0	0	0	0	0	0	0.5	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
87.0	88.0	4936	1.0		10		
90.1	91.1	4937	1.0		10		
96.0	97.0	4938	1.0		NIL		

DRILL HOLE T-88-15 PROJECT TURCO — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE December 8, 1988 — PAGE 3 OF 7

DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)

100.16 – 101.83 – Core ground up on limonitic due to 0.5-1% oxidized py/ microveinlets.

105.2 – 114.6 Massive Mafic Volcanic

Fine to medium grained massive, dark to med green rock. Still observed intersertal plagioclase, partly filled with ... but generally non-amygdaloidal. 0.5-1% qz-calcite microveinlets. 0.1-0.3% py, disseminated.

114.6 – 121.19 – Graphite + Sulfide Zone

Fine to aphanitic massive to locally banded black ... by exhalative origin. Contains 70-75% black graphite-bearing section with 25%-30% non-graphitic massive / siliceous bands. Banding where observed at 66° to CA. 0.5-1% qtz-calcite veins and microveinlets // foliation ... 2-4% fine py, 1-2% pyrrhotite, 0.03% cpy as bands // and ... oblique microveinlets + stringers. [illegible]

Interval (m)	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10
105.2 – 114.6	0.5-1%	0.0-0.1	0	5-7
114.6 – 120	2-5%	0.2-1.2	2-3	3-5

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork)

Depth (m)	cal	ank	ser	tour	gf	cp	aspy	py	ρ
~102.3	0.5	0	0	0	0	0	0	0.3 / 0	0
~112.5	0.03	0	0	0	0	0	0	0.1-0.3	0
~117.5	0.5	0	0	0	70-75%	0.03 MV	0	1-2% MV	1-2% MV

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
100.16	101.83	4939	1.67		NIL		
101.83	102.83	4940	1.0		NIL		
106.0	107.0	4941	1.0		NIL		
111.0	112.0	4942	1.0		NIL		
114.6	115.9	4943	1.3		NIL	82	48
115.9	116.6	4944	0.7		30	111	12
116.6	117.45	4945	0.85		20	159	7
117.45	118.45	4946	1.0		30/50	95	9
118.45	119.25	4947	0.8		10	71	3
119.25	119.85	4948	0.6		10	111	4

DRILL HOLE T-88-15 PROJECT Twego CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE December 5, 1988 PAGE 4 OF 7

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

119.85 – 120.65 – Non-carbonaceous, only biotitic sandstone [illegible]

121.19 – 125.9 Intermediate Tuff / Chlorite Wacke

[illegible] aphanitic, [illegible], weakly foliated, [illegible] 7% locally [illegible] 3-5% biotite / [illegible] enhances foliation @ 65° to CA. Moderately calcareous [illegible] <0.5% po-py veinlets.

122.47 – Section contains 1-3% [illegible] actinolite as described in 85.62 – 105.2. May be included [illegible]? 0.5-1% [illegible] 1-3% py microveinlets.

123.7 – 124.65 Mafic Lithic Tuff? Contains [illegible] to sub-rounded chlorite / biotite wacke [illegible] up to 6 cm in a chlorite-actinolite [illegible] 1-5% qtz-calcite veinlets [illegible] (stretching @ 65° to CA), 1-3% [illegible] po microveinlets. ≤3% py

125.9 – 127.23 Lithic Tuff – Foliated, composed of 10% [illegible] calcareous chert frags up to 5 cm flattened ∥ foliation @ 70° to CA. 3-10% foliation ∥ and [illegible] [illegible] and veinlets in qtz-calcite [illegible] [illegible] fragments [illegible]

127.23 – 129.69 – [illegible] As at 125.9 – 127.23 but contains predominantly [illegible] [illegible] [illegible] chlorite [illegible] [illegible] 1-3% disseminated magnetite throughout. Trace amounts of emerald green phyllosilicate plating fracture surfaces (fuchsite?)

129.69 – 132.13 – Biotite Wacke
As at 97.71 – 99.25, 0.5% qtz-calcite microveinlets with 3 mm chloritic selvages.

132.13 – 140.15 – Mafic [illegible]
[illegible] 5%-10% [illegible]

ALTERATION & MINERALIZATION %

d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork

% veins	Mag. sus.	Shear int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	ep	sulf	py	Po
2.5	0.1	–	4	0	0	0	0	0	0	0	0.3	0
	0.2	2	3.5	0.5	0	0	0	60	0.01	0	0.5	1-2
3.5 / 1	0.2	0.1	3.5	2-4	0	0	0	0	0.02	0	0.3 / D	0.3 / D
1-3%	1.8	2	3-4	0.5	0	0	0	0	0	0	0.3 MV	1-3% MV
0.5-1%	0.4	2	4.5	0.5	–	–	–	–	–	–	0.3 MV	0.3 MV
0.5	0.1											
3-10%	1.2-5.1	4	5-7	5-8	0	0	0	0	0	0	0	3-10 MV
0.5-2%	1.9-18	4	4-5	0.5-1	0	0	0	0	0	.2	0.1 D	0.5-2% MV
0-0.5	0.0-0.1	0.1	3.5	0.5	0	0	0	0	0	0	0	0.03 D
10-15	3.5	2-3	4-6	3-5	0	0	0	0	0	0	2.5	5-10
0.5-1	0.0-0.2	2-3	3-4	0.5-2	0	0	0	0	0	0	0	0.5
1-2	0.7-3.0	2-3	4-6	2-4	6	0	0	0	0.03	0	0.5	0.5-5 MV,D
0.5-1%	0.0-0.1	2-3	3-4	0.5-2%	0	0	0	0	0	0	0	0.5 MV,D

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
119.85	120.65	4949	0.8	–	NIL	35	194
120.65	121.19	4950	0.54		10	102	45
123.7	124.65	4951	0.95	NIL	NIL	74	486
124.65	125.9	4952	1.25	NIL	NIL	104	84
125.9	127.23	4953	1.33	NIL	10	59	44
127.23	128.03	4954	0.8	NIL	NIL	36	28
128.03	128.73	4955	0.7	NIL	NIL	39	26
128.73	129.23	4956	0.5	NIL	NIL	67	75
132.13	132.75	4957	0.62	.2	NIL	119	10[illegible]
132.75	133.33	4958	0.58	NIL	NIL	19	10[illegible]
133.33	134.33	4959	1.0	NIL	NIL	63	27
134.33	135.23	4960	0.9	.2	NIL 10	37	57
135.23	136.03	4961	0.8	NIL	NIL	65	58
136.03	137.03	4962	1.0	NIL	NIL	42	26
137.03	138.03	4963	1.0	NIL	NIL	35	39
138.03	139.03	4964	[illegible]	NIL	NIL	49	75
139.03	140.15	4965	1.12	NIL	NIL	102	64

DRILL HOLE T-88-15 PROJECT TWEED — **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** — DATE December [illegible] 1988 PAGE 5 OF

DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)

metres	Description
140.0 – 145	[illegible] [illegible] [illegible] 5cm, 15-20% [illegible] mafic volcanic [illegible] up to 6cm, 0.5-1% [illegible] [illegible] [illegible] 5cm, 3-15% [illegible] [illegible] up to 6cm. [illegible] Mg [illegible] Fe [illegible] [illegible] [illegible] [illegible] up to 1cm at [illegible] [illegible] @ 55° to CA. 0.5%-2% py-po [illegible]
	132.13 – 132.75 – 20% po, 0.1% py as massive breccia [illegible] and as discordant microveinlets. Rock is Mg-chl altered. Moderately carbonatized
	133.33 – 136.03 – Mg-chl, carbonate altered section w 0.5-5% po, 0.5% py, 0.03% cp [illegible] foliation oblique veinlets and as disseminations
	140.15 – 162.13 — <u>Massive to [illegible] Mafic Volcanic</u>
	As at 85.62 – 105.2, but only weakly [illegible] [illegible] [illegible] [illegible] foliated sections at random, may be sheared volcanics or laminated tuff sections
150	146.93 – 147.85 – Sheared Mafic Volcanic / Tuff section. Foliation moderately developed @ 65° to CA. Weakly carbonatized. Trace sulfides
	154.35 – 154.7 – Brown patchy hematization in microveins with 0.5% – 1% qtz-calcite microveinlets ∥ foliation + 0.5% [illegible] dissem py
	155.5 – Section becomes more amygdaloidal w/ 5-10% qtz-carb-chlorite filled amygdules. Spherical weak stretching
160	

Vein / physical / alteration & mineralization % (approx. 149 m):

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	asy	py	
0.1-0.5	0.0-0.1	0	4-5	2.5-3	0	0	0	0	0	0	0.3-0	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu Zn
144.0	145.0	4966	1.0		NIL	
148.0	149.0	4967	1.0		NIL	
151.0	151.8	4968	0.8		NIL	
152.8	153.4	4969	0.6		NIL	
154.35	155.0	4970	0.65	NIL	NIL	74 [illegible]
158.0	159.0	4971	1.0		NIL	

DRILL HOLE T-88-15 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE December 8, 1988 PAGE 6 OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

Massive to Amygdaloidal Mafic Volcanic

162.13 - 166.1 Cobble Conglomerate

fg, massive, matrix supported, reddish-brown with dark green mottling. Composed of 'lumpy' cobble to pebbles, boulder-sized [illegible] amygdaloidal mafic volcanics up to 20 cm. Matrix is fg to aphanitic, biotite wacke. Grading in sedimentary textures indicates younging to the south (downhole).

Fragment size becoming smaller downhole.

166.1 - 168.1 Mottled Biotite to Chlorite Wacke

fg to aphanitic mottled reddish-brown and med green sed. Bedding / foliation @ 65° to CA
166.47 - 167.0 - 5-10% qtz-carb-tour veining @ 50-55° to CA
0.5% py, 0.1% cpy
Lower contact sharp @ 55° to CA

168.1 - 177.97 Massive Porphyritic Mafic Volcanic

fg to aphanitic, massive, dark green with red-brown mottling. Contains from 5-10% small euhedral to subhedral feldspar phenos up to 2mm in a fg mafic matrix. Local coarser grading, chlorite-rich sections at random. 0.5-1% qtz-calcite veins. 0.1-0.5% fg disseminated py throughout

177.97 - 200.0 Cobble to Pebble Conglomerate

As at 162.13 - 166.1

ALTERATION & MINERALIZATION %

d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

Unit	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
Massive to Amygdaloidal Mafic Volcanic	0.1-0.5	0.0-0.1	0	4.5	0.2-2	0	0	0	0	0	0	0.3	
162.13 - 166.1	0.3-0.5	0.0-0.1	0-1	3-5	0.5-1.0	0	0	0	0	0	0	0.01 D	0
Fragment size…	0-5%	0.0-0.1	0-1	3-5	0.5	0	0	0.1	0	0.1 MV	0	0.5 MV	0
168.1 - 177.97	0.5-1.0	0.0-0.1	0-1	3-5	0.5	0	0	0	0	0	0	0.3 MV	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu Zn
161.0	162.0	4972	1.0		NIL	
166.1	167.0	4973	0.9		NIL	
170.0	171.0	4974	1.0		NIL	
175.0	176.0	4975	1.0		NIL	
179.0	180.0	4976	1.0		10	

DRILL HOLE -85-15 PROJECT Tweed **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE ... 1985

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; sfol, mfol, wfol—strong, medium, weak foliation; diss—disseminated; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	chl	ser	tour	gf	cp	aspy	py	2	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Z
180	Generally is clast supported with 25-30% cobble to pebble sized angular/rounded mafic volcanic clasts up to 10 cm in a biotite wacke matrix																					
184-185															~~184.0~~	185.0	4977	1.0		NIL		
185															185.0	185.6	4978	0.6		O/NIL		
187	Matrix observed to be increasingly replaced by chlorite downhole																					
189		0.3	0.0-0.1	0-1	4-6	0.1-0.3	0	0	0	0	0	0	0.3-0	0	188.0	189.2	4979	1.2		NIL		
194-195															194.0	195.0	4980	1.0		10		
196	196.0 – Sedimentary matrix generally all chlorite																					
198-199	198.4-199.0 – Large white qtz-carbonate vein @ 12° CA														198.2	199.0	4981	0.8		NIL		
200	200.0 - End of Hole																					

DRILL HOLE T-88-16 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE December [illegible] PAGE 1 OF [illegible]

AREA GRID 7
CLAIM 797291
CORE SIZE BQ
DATE STARTED December 4, 1988
DATE COMPLETED December 6, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS Hole stopped at 181.65 due to seizing of rods by graphitic horizon

		DOWNHOLE	VERTICAL
DEPTH	OVERBURDEN	52.21 m	
	HOLE	181.65 m	
ELEVATION			

CO-ORDINATES NORTHING 21+75S
EASTING L28+00E

LOGGED BY P. CASHIN
CHECKED BY [signature]

290 m
100 m
T-88-16
797291

DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
60.96 m		-49.5°	ACID TEST

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to drill test a strong regional E-W to NE-SW conductor obtained on L28+00E/23+00S by Max-Min. The feature was explained in core as a weak graphite + sulfide zone at 145.07 – 159.07. The zone contained from 3-5% fine to fg py as foliation parallel and oblique veinlets and microveinlets. Quartz carbonate [illegible] veins were intersected at 166.41 – 167.15 and 163.06 – 163.22 and contained 0.5-1% sphalerite, 0.1-0.5% fg py and 0.1% po.

GEOLOGY SUMMARY

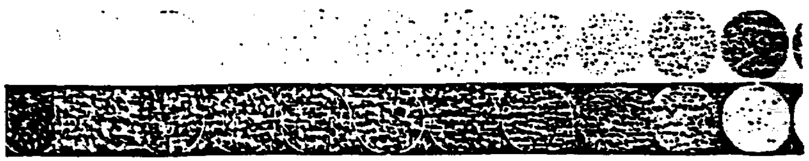
FROM	TO	UNIT
0.0	52.21	OVERBURDEN
52.21	54.09	BIOTITIC LITHIC WACKE
54.09	57.43	COARSE GRAINED BIOTITIC WACKE
57.43	130.18	BIOTITIC LITHIC WACKE
130.13	133.35	CHLORITIC LITHIC WACKE
133.39	135.7	COARSE GRAINED BIOTITIC WACKE
135.7	145.07	LITHIC ARKOSE
145.07	159.07	GRAPHITE + PYRITE ZONE
159.07	181.65	LITHIC ARKOSE/CONGLOMERATE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

5026 – 5068



DRILL HOLE T-83-16 PROJECT TWEED

CHEVRON MINERALS LTD. DIAMOND DRILL LOG

DATE December 9, 1983 PAGE 2 OF

DESCRIPTION — cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

0.0 – 52.21 – OVERBURDEN

52.21 – 130.1? Biotite Lithic Wacke

Massive, fine to aphanitic, brownish green, locally [illegible]. Contains 5-10% [illegible] to [illegible] [illegible] of [illegible] lithic clasts up to 5cm, 0.3-0.5% [illegible] plagioclase up to 2cm, 1-3% lithic feldspar crystal frags up to 3mm. Matrix is fine grained to aphanitic and composed of 70% biotite, 30% chlorite. Lithic fragments flattened @ 68° to CA. Lithic frags [illegible] to [illegible] pervasively carbonatized (calcite). 0.1-0.1% fine grained py at random. Cut by 0.5-1% qtz-calcite veinlets & stringers.

54.09 – 57.43 – Coarser grained phase of above unit [illegible]. Matrix composed of 75-80% fg [illegible] and 20-25% med. brown biotite, 15%-20% euhedral chlorite after [illegible] crystals up to 8mm, felted texture, 5-5% red-brown euhedral to subhedral garnets up to 4mm. Matrix [illegible] to highly calcareous. Upper contact with lithic wacke sharp @ 50° to CA. 0.1-0.3% v.fg euhedral py.

% VEINS: 0.5-1% (52.21 – 70) · MAG. SUS.: 0.0-0.1 (52.21 – 70) · SHEAR INT. 0-10: 0-1 (52.21 – 70)

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork)

metres	HARDNESS 0-10	cal	[illegible]	ser	tour	[illegible]	ep	carb	py	ρ
53	3-5	2.5-2	0	0	0	0	0	0	0-0.1% D	0
56	5-7	3-5	0	0	0	0	0	0	0.1-0.3 D	0
64	3-5	0.5-2	0	0	0	0	0	0	0-0.3% D	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t
53.0	54.0	5026	1.0	NIL	10/NIL	
56.0	57.0	5027	1.0	NIL	10	
60.0	61.0	5028	1.0	NIL	NIL	
64.0	65.0	6029	1.0	NIL	NIL	
68.0	69.0	5030	1.0	NIL	10	

DRILL HOLE T-88-16 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE December 9, 1988 PAGE 3 OF 3

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	?	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	Au ppb	Au oz/t
70	Biotite Lithic Wacke	0.5–1% (70–90)	0.0–0.1 (70–90)	0–1 (70–90)																	
72.5					3-5	0.2-2	0	0	0	0	0	0	0.0-0.1	0							
74															74.0	75.0	5031	1.0	NIL	20	
75	75.12 – 75.9 – Finer grained phase of rock described at 540.3 – 507.43. Weakly calcareous. P.D.O. moderately developed @ 55° to CA				5-7	0.5-1	0	0	0	0	0	0	0.0-0.1	0							
78.5															78.5	79.5	5032	1.0	NIL	NIL	
79	78.8 – 79.13 – Foliation moderately to well developed @ 65° to CA.																				
82.5					3-5	0.3-0.5	0	0	0	0	0	0	0.0-0.3	0							
83															83.0	84.0	5033	1.0	NIL	NIL	
88															88.0	89.0	5034	1.0	NIL	NIL	
90																					

DRILL HOLE T-82-16 PROJECT TWEED

CHEVRON MINERALS LTD. DIAMOND DRILL LOG

DATE December 7, 1982 PAGE 9 OF

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	Au ppb	Au oz/t
90	Biotitic Lithic Wacke	0.3 - 0.5	0.0 - 0.1	0 - 1																	
93–94					5.5	0.1-0.3	0	0	0	0	0	0	0.1-0.3	0							
96															95.45	96.45	5035	1.0	NIL	NIL	
97	96.45 - 97.35 — Weakly sericitized, moderately foliated, 0.1-0.3% diss py				5.6	0.0-0.1	0	0.1	0	0	0	0	0.1-0.3	0	96.45	97.35	5036	0.9	NIL	NIL	
101															100.0	101.0	5037	1.0	NIL	NIL	
102															101.0	102.5	5038	1.5	NIL	NIL	
104	104.7 - 103.67 — Coarser grained section as described at 54.01 - 57.43				5.5	0.1-0.3	0	0	0	0	0	0	0.1-0.3	0							
107															106.0	107.0	5039	1.0	NIL	NIL	
110															109.2	110.2	5040	1.0	NIL	NIL	

DRILL HOLE T-[illegible]-16 PROJECT Tucco CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE [illegible] PAGES OF

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

BIOTITIC LITHIC WACKE

metres	Description	% veins	Mag. sus.	Shear int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	?	From (m)	To (m)	Sample #	Width (m)	Ag ppm	Au ppb	Au oz/t
110–112	110.2 – 112.3 – V. cg section composed of 1-3% red-brown garnet, 20% fine M. chl, 15% fine acicular tremolite crystals (brownish-green) up to 2cm, 0.5% [illegible] py in dense groundmass and as partial replacement of tremolite grains. 1-3% calcite-qtz dense veinlets 0.5-1% [illegible]	0.5-0.5	0.0-0.1	0	3-4	1-3	0	0	0	0	0	0	0.5-1 / 0.1	0	110.2	111.2	5041	1.0	.2	NIL	
															111.2	112.3	5042	1.1	.6	NIL	
112–114	112.3 – 114.0 – Massive fg biotite wacke	0	0.0-0.1	0	3-5	0-0.1	0	0	0	0	0	0	0.5-0.3 / 0	0	112.3	114.0	5043	1.7	NIL	NIL	
114–115	114.0 – 115.12 – As described at 110.2 – 112.3	0.3-0.5	0.0-0.1	5	3-4	1-3	0	0	0	0	0	0	0.5-1%	0	114.0	115.12	5044	1.12	.2	NIL	
117–118		0.5-1%	0.02-0.1	0	3-5	0.1-0.5	0	0	0	0	0	0	0.0-0.3 / 0	0							
120–121	120.2 – 121.32 – 15% grey-white qtz-calcite veins 35° to CA. 0.5-1.0 5% [illegible] py in fracture filling qtz-chl-carb microveinlets. 0.1-0.3% py, 0.1% po.	15	0.0-0.1	0	4-6	0.5-2	0	0	0	0	0.1-0.3 mv	0	0.3-0.5 mv	0.1 mv	120.2	121.4	5045	1.2	NIL	NIL	
121–122		0.0-0.3	0.0-0.1	0-1	3-5	0.1-0.3	0	0	0	0	0	0	0.0-0.3 mv	0	121.4	122.7	5046	1.3	NIL	NIL	
122–124	122.7 – 124.93 – Section weakly to moderately silicified. 5-10% small white subrounded feldspar clasts up to 1.5mm – Lithic arkose. 3-5% qtz-carb-chl stockwork MV. 0.1-0.5% fine py, up to 2% py	3-5	0.0	0-1	5-1	0.1-0.1	0	0	0	0	0	0	0.3-1%	0	122.7	124.18	5047	1.48	.3	NIL	
															124.18	124.93	5048	0.75	NIL	NIL	
127–128		0.5-1%	0.0-0.1	0	4-6	0.1-0.5	0	0	0	0	0	0	0.1-0.3 mv	0							
128–129															128.0	129.0	5049	1.0	NIL	NIL	

DRILL HOLE T-88-16 PROJECT T[illegible] CHEVRON MINERALS LTD. DIAMOND DRILL LOG DATE December [illegible] 1988 PAGE 6 OF

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

130.18 – 133.39 – [illegible]

[illegible] massive. Composed of [illegible] [illegible] fragments [illegible] [illegible] fractured [illegible] calcite, [illegible] 133.3[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 133.3[illegible] fine biotite [illegible] [illegible] [illegible]

133.39 – 135.7 – Coarse Grained Biotite [illegible]

As described at 110.2 – 112.3 [illegible] [illegible]

135.7 – 145.07 [illegible]

[illegible] aphanitic, massive, dark grey-green, [illegible] to moderately silicified. 0.5-1% [illegible] calcite [illegible] fracture [illegible] at 40° to CA, contains 0.5-1% py

136.6 – [illegible] [illegible], [illegible] py veinlets @ 40° to CA

145.07 – 151.17 Graphite + Pyrite Zone

Black, aphanitic [illegible] [illegible] [illegible] [illegible] property. Contains 5-15% highly sericitized [illegible] [illegible], wallrock fragments up to 3cm. Highly stretched, foliation @ 51° to CA [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] contain 3-5% [illegible] [illegible] [illegible] and [illegible] veinlets & stringers. Highly broken up and ground core

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb
130.0	131.0	5050	1.0	NIL	NIL
134.0	135.0	5051	1.0	.8	NIL
136.0	137.1	5052	1.1	1.7	NIL
137.1	138.0	505[illegible]	[illegible]	NIL	10
145.07	148.13	5054	3.06	.8	10
148.13	151.17	5055	3.05	.5	NIL

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

159.07 — 181.65 Lithic Arkose / Conglomerate

Fine to medium grained brownish grey massive to weakly bedded @ 75° to CA, locally conglomeratic. Matrix is feldspar crystal-rich (15-20% upto 2mm). 3-5% biotite-white clasts up to 2cm, 1-3% rounded granitoid rock to whose frags up to 2cm. Matrix carbonatic, biotite-rich. 0.1-0.3% fine dissem py, pitchy brnt, 0.5-1% pyrrh? MV at 0 & 35° to CA. Locally biotitic rock bands up to 5cm 3-5% round blue qtz clasts upto 1.5mm. Flattening aspect ratio 8.25:1

166.41 — 167.19 — 95% Fracture flooding grey quartz - white calcite veining in 0.11-0.5% f.g py, 0.5-1% cobalt brown f.g sphalerite 0.1% po. Veinlets @ 5° to CA. (→ Sphalerite - sfol, chocolate brown, red-brown streak)

168.06 — 168.22 — Qtz - calcite vein as at 166.41 - 167.19 but contains 0.1-0.3% f.g py, 0.1% po, 2% sphalerite

ALTERATION & MINERALIZATION %

metres	% veins	Mag. sus.	Shear int. 0-10	Hardness 0-10	cal	ank	ser	tour	sf	cp	?	py	Po
154	5-8%	0.0-0.1	4-5	2-3	0.3-0.5	0	C	0	25-75	L	L	3-5	0
163	0.3-0.5	0.0-0.1	0-1	4-6	0.3-19	0	0	0	0	0	0	0.5-1% mv 0	0
167	95	0.0-0.1	0	6-8	FZ	0	0	0	0	0	0	0.1-0.5 mv	0.15 0
168	0.3-0.5	0.0-0.1	0-1	4-6	0.3-19	0	0	0	0	0	0	0.1-0.3 0	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	
148.13	151.17	5055	3.05	—	—		
151.17	154.22	5056	3.05	.4	20/30		
154.22	156.0	5057	1.78	.3	NIL		
156.0	157.0	5058	1.0	NIL	NIL		
157.0	158.0	5059	1.0	.2	NIL		
158.0	159.07	5060	1.07	.2	NIL		
163.0	164.0	5061	1.0	NIL	NIL		
166.41	167.19	5062	0.78	NIL	NIL		[illegible]
167.19	168.0	5063	0.81	NIL	NIL		
168.0	168.5	5064	0.5	NIL	NIL		
168.5	169.0	5065	0.5	NIL	20		

DRILL HOLE T-83-16 PROJECT TUCEP — CHEVRON MINERALS LTD. DIAMOND DRILL LOG — DATE December 9, 1983 — PAGE 3 OF

DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)

Columns: % VEINS | MAG. SUS. | SHEAR INT. 0–10 | HARDNESS 0–10 | ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, m—microveined, st—stockwork)

Metres	Description
170	[illegible]
181.65	End of Hole

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
171.0	172.0	5066	1.0	NIL	NIL		65
175.0	176.1	5067	1.1	.2	NIL		70
178.8	180.1	5068	1.3	NIL	NIL		76

DRILL HOLE T-88-17 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 8, 1983 PAGE 1 OF 7

AREA GRIDS
CLAIM 798679
CORE SIZE BQ
DATE STARTED DECEMBER 5, 1983
DATE COMPLETED DECEMBER 6, 1983
CONTRACTOR. DOMINIK
UNITS METRIC
COMMENTS

		DOWNHOLE	VERTICAL
DEPTH	OVERBURDEN	22.55 m	
	HOLE	123.74 m	
ELEVATION			
CO-ORDINATES	NORTHING	22+00N	
	EASTING	L17+00E	

LOGGED BY P. Gris[illegible]
CHECKED BY Peter Coulter

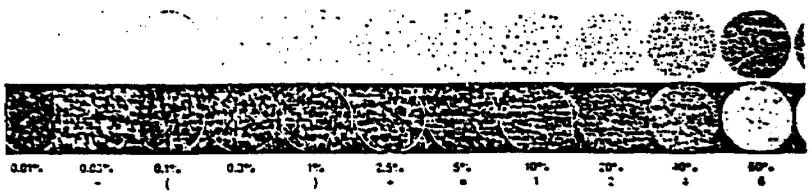
798679
T-88-17
55m
65m

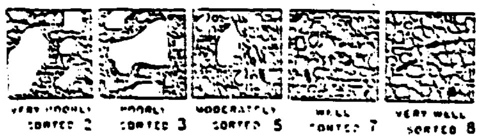
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
22.55 m		-47.5°	
52.75 m		-44°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to extend the [illegible] cross-section intersected in T-33-5 in which a deformation zone at the interface of amphibolites to the north and sediments to the south. Sulphide-[illegible] quartz-carbonate-[illegible] was intersected in that hole. The [illegible] interface was confirmed but alteration and degree of structural deformation was observed to be low.





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	22.55	OVERBURDEN
22.55	35.75	AMPHIBOLITE SCHIST
35.75	44.67	MAGNETIC AMPHIBOLITE SCHIST
44.67	59.97	MASSIVE MAFIC INTRUSIVE
59.97	61.03	Fine Grained Mafic Dyke
61.03	75.90	AMPHIBOLITE SCHIST
75.9	89.4	SHEARED AMPHIBOLITE
89.4	99.9	CHLORITIC WACKE
99.9	102.0	POTASSIC FELDSPAR PORPHYRY
102.3	109.93	CHLORITIC WACKE / MAFIC TUFF
109.93	123.75	BIOTITIC WACKE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
4982 - 5025

DRILL HOLE 83-17 PROJECT TUCCO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 5, 1983 PAGE 2 OF

DESCRIPTION
cg, fg, mg – coarse, fine, medium grained; diss – disseminated
sfol, mfol, wfol – strong, medium, weak foliation; qzvn – quartz vein

0.0 – 22.55 – OVERBURDEN

22.55 – 35.75 – *Amphibolite Schist*

fg to mfg, massive to moderately schistose, dark green to green-grey, [illegible] segregation between [illegible] [illegible] @ 77° to CA. 0.5% [illegible] qtz-calcite [illegible] veinlets w/ 0.5-1% py @ 60° to CA, oblique to schistosity. Qtz-calcite microveinlets w/ 0.3-0.5% fg py @ 20° to CA cut by [illegible] veins set. 5-10% clastic feldspar grains up to 1 mm; 5% [illegible] [illegible] (?) to 2 mm [illegible]. Occasional small pegmatitic section at random, rare.

31.1 – 31.2 – *Intermediate Feldspar Porphyry* – porphyritic composed of 15-25% euhedral to subhedral feldspar crystals up to 3 mm [illegible] boundaries. 1-3% fine grained biotite in [illegible] groundmass. Contacts sharp, oblique to schistosity @ 90° to CA.

35.75 – 44.67 – *Magnetic Amphibolite Schist*

As described but contains from 0.5-3% fg clastic magnetite grains throughout. Local [illegible] at random; 0.5-1% qtz-calcite microveinlets and veins @ random CAs. Hematite paint observed on fracture set @ 20° to CA. 0.5-1% fg [illegible] and qtz calcite microveinlets.

Interval	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	
22.55 – 35.75	0.5-1	0.0-0.2	1-2	4-6	0-1	0	0	0	0	0	0	0.3 / 0	0
31.1 – 31.2	0-1		1-2	4-6	0.1	0	0	0	0	–	–	0.1-0.5 / 0	0
35.75 – 44.67	0.5-1	0.4-6.1	1-2	4-6	0.05	0	0	0	0	0	tr	0.5-1 / 0,Nd	C

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
25.0	26.0	4982	1.0	NIL	NIL	9	–
30.0	31.0	4983	1.0	NIL	NIL	28	–
32.3	32.9	4984	0.6	NIL	NIL	50	
37.0	38.0	4985	1.0	NIL	NIL	73	
38.0	39.0	4986	1.0	NIL	NIL	45	
39.0	40.0	4987	1.0	NIL	NIL	81	

DRILL HOLE T-98-17 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE December 3, 198[illegible] PAGE 3 OF

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

Small, weakly potassic feldspar porphyry intrusives @ 40.43–40.52, 42.13–42.67, 43.4–43.5 Contacts all @ 65° to CA, 11 [illegible]

44.55–44.60 – 2% qtz-calcite veinlets @ 40° to CA 0.5–1% py, 1–2% mt.

44.67 – 59.97 Massive Mafic Intrusive (Gabbro)

Very to mod. massive, dark grey to green-grey. Chlorite [illegible] Characterized by presence of 5–10% spotted chlorite clots after pyroxene grains up to 3mm [illegible] composed predominantly of plagioclase and interstitial [illegible]. Contact [illegible] magnetite amphibolite [illegible]. <0.5% qtz-calcite [illegible] Locally moderately to strongly foliated sections appear similar to amphibolite schist previously described

50.26–50.40 – Small feldspar porphyry @ 81° to CA.
50.65–51.2 – Slightly magnetic section bearing 0.5% fg mt, dissem.

51.95–52.65 – 70% Potassic Feldspar Porphyry as observed at 31.1–31.3 5% fg biotite, pervasive throughout 0.5–1% disseminated py, 0.1% cpy. Weakly [illegible]

57.12–57.72 – Feldspar Porphyry Intrusive. Contacts show @ 35° to CA Local potassic altered sections

58.55 – 58.95 – Feldspar Porphyry Intrusive. Contacts @ 80° to CA

% veins	mag. sus.	shear int. 0–10	hardness 0–10	cal	ank	ser	tour	gf	cp	[illegible]	py	?
0.5–1%	0.4–6.7	1–2	4–6	0	0	0	0	0	0	0	1–	0
0.3–0.5	0.1–0.7	0–1	5–6	0	0	0	0	0	0	0	0	0
0	0.4–0.9	1–2	5–6	0	0	0	0	0	0	0	0.5	0
0.5–5	0.1–0.4	0–1	5–6	0	0	0	0	0	0	0	0	0.1
3.5	0.0	0–1	7–8	0	0	0.5	0	0	0.1	0	0.5	0
0.5–1.5	0.1–0.3	1–2	5–6	0	0	0	0	0	0	0	0.3	3
0.5–5	0.0	0	7–8	0	0	0.3	0	0	0.1	0	0.5	0
0.5–1	0.0	1–2	5–6	0	0	0	0	0	0	0	0.3	0
3.5	0.0	0	7–8	0	0	0.5	0	0	0.1	0	0.1	0
0.5–1	0.2	1–2	4–6	0	0	0	0	0	0	0	0.3	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu
43.0	44.0	4988	1.0	NIL	NIL	64
48.0	49.0	4989	1.0	NIL	10	85
50.65	51.2	4990	0.55	NIL	NIL	
51.2	51.95	4991	0.75	NIL	NIL	
51.95	52.65	4992	0.7	NIL	NIL	
56.0	57.0	4993	1.0	NIL	10/NIL	

DRILL HOLE T-83-17 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 8, 1982 PAGE - OF

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	D	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Z
60 – 61	59.77 – 61.03 – Fine, massive mafic dyke – Upper contact sharp, irregular, @ ~60° to C.A.	0	20	0	4.5	0	0	0	0	0	0	0	0.05–1	0	59.95	61.03	49[illegible]5	1.08	NIL	NIL		
62	61.03 – 75.90 Amphibolite Schist																					
63	As described @ 22.55 – 35.75	0.5–1	0.05–0.1	1–2	4.5	0.1	0	0	0	0	0.1	0	0.3	0								
65 – 67	65.4 – 67.1 – Section fine grained, weakly foliated, moderate [illegible] 3–5% qtz-carb-tour and epidote [illegible] veinlets [illegible] foliation @ 30° to CA. 0.5–2% fine [illegible] py 0.3–0.5% [illegible] foliation [illegible] microveinlets 5–10% [illegible] feldspar porphyry section [illegible] to foliation	3–5	0.4–7.3	3–4	4.5	0.5	0	0.5	0.3	0	0	0	0.5–2	0	65.4	66.4	4995	1.0	NIL	NIL		
															66.4	67.1	4996	0.7	NIL	NIL		
71 – 72	71.45 – 2 cm white qtz-tour-carb vein @ 45° to CA. 0.5% fg py, 0.1% aspy	0.5–1	0.1–0.4	1–2	4.5	0.1	0	0	0	0	0	0	0.3 D	0	71.0	71.6	499.7	0.6	NIL	NIL		
76 – 80	75.90 – 84.4 Sheared Amphibolite														75.9	77.0	4998	1.1	NIL	NIL		
	Strongly developed shear foliation, highly [illegible]. Highly chlorite, weakly carbonatized, [illegible] along [illegible]. 3–5% qtz-calcite [illegible] epidote veining, [illegible] foliation [illegible] 0.5% fg [illegible] py, [illegible] aspy and as veins + microveinlets. 0.3% [illegible]	3.5–[illegible]	0.5–1.0	4–5	4–6	0.3	0	0	0.1	0	0.1 mv,d	0	0.5–1 mv,d	0	77.0	78.0	4999	1.0	NIL	NIL		
															78.0	79.5	5000	1.5	NIL	NIL		
															79.5	80.5	5001	1.0	NIL	NIL		

DRILL HOLE T-83-17 PROJECT TWEED

CHEVRON MINERALS LTD. DIAMOND DRILL LOG

DATE December 8, 1983 PAGE 5 OF

Metres	Description (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% veins	Mag. sus.	Shear int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	From (m)	To (m)	Sample #	Width (m)	Ag	Au ppb	Cu	Z
80–84.4	0.3% qtz-calcite veinlets at random throughout @ 35° to CA; fracture oblique. Foliation becoming less well developed towards [illegible]	0.5–2	0.0–0.4	1–5, 2–3	3.5	0.5	0	0	0	0	0.1 MV,D	0	0.5–2% MV,D		79.5	80.5	5001	1.0	-	-		
															80.5	82.0	5002	1.5	NIL	NIL	164	22
															82.0	83.5	5003	1.5	NIL	NIL		
															83.5	84.4	5004	0.9	NIL	NIL		
84.4–99.9	**Chlorite Wacke** — fg to aphanitic, light green to green grey, massive to locally banded. Composed generally of chlorite-rich band with occasional biotitic band at random. Banding @ 82° to CA. 0.5–1% qz-calcite veins and microveinlets in fracture // features. 0.3% foliation [illegible] calcite microveinlets @ 40° to CA.	0.5–1%	0.0–0.3	1–3	3–5	0.3	0	0	0	0	0	0	0.1 MV	0								
															88.72	89.42	5005	0.7	NIL	NIL	132	3
															89.42	90.55	5006	1.13	NIL	NIL		
90.55–92.65	Strongly foliated section. Defined by alternating chlorite-rich and calcite-rich bands @ 82° to CA. Biotite-rich bands observed to [illegible] calcite rich section. Calcite rich sections host to 0.5–1% [illegible] 0.3–0.5% [illegible] at chlorite and calcite [illegible] fault gouge @ 91.82–92.23	1–3%	0.2–6.1	4–6	3–5	0.5–1%	0	0	0	0	0	0	0.5–1 MV,D	0	90.55	91.55	5007	1.0	NIL	NIL		
															91.55	92.65	5008	1.1	NIL	NIL		
93.61–93.72	Strongly Z folded qtz-carb epidote vein w/ strongly epidote altered selvages.	0.5–1%	0.0–0.3	1–3	3–5	0.3	0	0	0	0	0	0	0.7 MV	0								
95.62–96.22	More strongly foliated section w/ 1–2% [illegible] // py mv [illegible] qtz-carb-chl gouge	1–3	0.1	4–6	4–5	0.5	0	0	0	0	0	0	1–2	0	95.62	96.22	5009	0.6	NIL	NIL		
		0.5	0.0–0.3	1–3	3–5	0.1	0	0	0	0	0	0	0.3 MV	0								
98.05–98.4	Biscuit Feldspar Porphyry	0.0	0.0	0.1	6–7	0	0	0.3	0	0	0	0	0.1	0								
98.4–99.9	Section [illegible] epidotized w/ 1–3% [illegible] of veining. 0.3–0.5% [illegible] py microveinlets [illegible] // [illegible] @ 10° to CA.	1–3%	0.0–0.2	0.2	5–7	0	0	0	0	0	0	0	0.1–0.3 MV,D	0	98.4	99.9	5010	1.5	NIL	NIL		

DRILL HOLE T-88-17 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 8, 1988 PAGE 6 OF -

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

99.9 – 102.0 — Potassic Feldspar Porphyry Intrusive
fg massive porphyritic, reddish-brown grey. 20-25% subhedral feldspar up to 3 mm. Alteration: silicious w/ <5% [illegible] biotite. 0.1-0.3% [illegible] py throughout.

102.0 – 109.83 — Chlorite Wacke / Mafic Tuff
As at 99.4 – 99.9 but massive, hence bands/clastic nature of rock not as apparent.
102.28 – 103.06 – Section moderately to highly epidotized. 0.5% qtz-calcite [illegible] veining w/ 0.3% [illegible] py. Trace [illegible] magnetite.
106.71 – 107.67 – Section contains 1-2% chlorite-epi-qtz-calcite veins and microveinlets (microfolded) w/ 0.5-1% [illegible] py mv and disseminations.
109.0 – 109.71 – Intermediate Feldspar Porphyry

109.83 – 123.74 — Biotitic Wacke
Texturally similar to above lithology but rich in biotite, chlorite composed 30% of section. Mottled texture.
110.2 – 110.71 – Grey felsite dyke composed of fine qtz and euhedral K-feldspar. 0.5% tourmaline [illegible] @ 30° to CA. 1-3% qtz veinlets w/ 0.5-1% [illegible] py.
This rock similar to Sheared Amphibolite described in hole T-88-9 @ 120.3 – 180.46.
112.05 – 112.2 – As at 110.2 – 110.71
112.75 – 114.71 Moderately biotitic. 0.5-2% qtz-tour ± calcite veins and veinlets oblique to foliation. 0.5-1% po, 0.1-0.3% cp [illegible], 0.5% py as discordant fracture filling microveinlets in qtz-tour.
117.83 – 118.27 – Felsite dyke as at 110.2 – 110.71. Contacts sharp @ 40° to CA. Upper 11 cm marked by grey qtz-tour vein featuring 0.3-0.5 [illegible] py. Whole [illegible] has 5-7% qtz-tour veining throughout.

ALTERATION & MINERALIZATION %

(d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)

Interval	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Pi
99.9 – 102.0	0	0.0-0.1	0	6-8	0	0	0.1	0	0	0	0	0.1-0.3 d, 0	0
102.0 – 109.83	0.5	0.1-0.5	1-2	5-7	0.5	0	0	0	0	0	0	0-3 mv	0
102.28 – 103.06 / 106.71 – 107.67	0.5 1%	0.0-0.2	0	4.5	0.5 1%	0	0	0	0	0	0	0.3 mv	0
109.0 – 109.71	0	0.0	0-1	6-8	0	0	0.1	0	0	0	0	0.3	0
109.83 – 123.74	0.5-1	0.0	0	8-9	0	0	0.3	0.3	0	0	0	0.5/1	0
	0.5	0.0-0.2	0	4-5	0.3	0	0	0	0	0	0	0.3-0.5, mv 0	0
110.2 – 110.71 etc.	0.5-2	0.0-0.7	2-3	4-6	0.1-0.3	0	0	0.5-1	0	0.1-0.3 mv	0	0.5 mv	0.5-1% mv
112.75 – 114.71	0.5	0.0-0.2	0	4.5	0.3	0	0	0	2	0	0	0.1-0.3, mv 0	0
117.83 – 118.27	5-10	0.0	0	8-9	[illegible]	0	0.3	0.3	0	0	0	0.3-0.5 mv	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu Zn
102.28	103.01	5011	0.73	NIL	NIL	
105.4	106.5	5012	1.1	NIL	NIL	
106.71	107.64	5013	0.93	NIL	NIL	
108.5	109.0	5014	0.5	.2	NIL	
109.83	110.2	5015	0.37	.2	NIL	
110.2	110.71	5016	0.51	NIL	NIL	
110.71	112.0	5017	1.29	NIL	NIL	
112.0	112.75	5018	0.75	NIL	NIL	
112.75	113.55	5019	0.8	4	NIL	
113.55	114.35	5020	0.8	.8	NIL	
114.35	115.15	5021	0.8	NIL	NIL	
115.15	115.95	5022	0.8	NIL	NIL	
115.95	116.7	5023	0.8	NIL	NIL	
117.6	118.27	5024	0.67	NIL	NIL	

DRILL HOLE T-88-17 PROJECT TUCO CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE DECEMBER 8, 1988 PAGE 7 OF

metres	DESCRIPTION cg, fg, mg—coarse, fine, medium grained diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % d—disseminated p—pervasive v—veined mv—microveined sh—stockwork cal	ank	ser	tour	gf	cp	sspy	py
0													
1													
2													
3													
4	123.74 – END OF HOLE												
5													
6													
7													
8													
9													
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
0													

SAMPLING						
FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu %
122.2	123.0	5025	1.0	NIL	NIL	

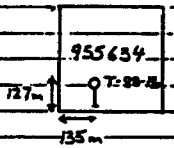
DRILL HOLE T-88-18 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 15, 1988 PAGE 1 OF 5

AREA GRID 9
CLAIM 955634
CORE SIZE BQ
DATE STARTED DECEMBER 13, 1988
COMPLETED
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS ABANDONED DUE TO CAVE AT BOTTOM OF HOLE

DEPTH (DOWNHOLE | VERTICAL)
OVERBURDEN 93.7
HOLE 110.3
ELEVATION
CO-ORDINATES NORTHING 18+22N
EASTING L16+00W
LOGGED BY P. CASHIN
CHECKED BY Peter Cashin

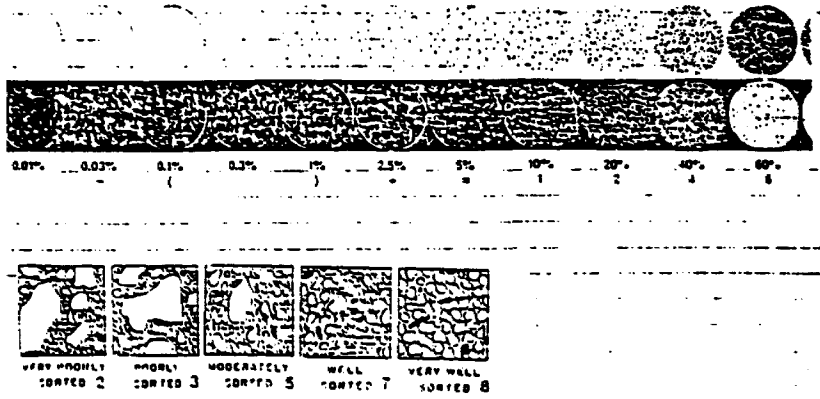


DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
41.45		-45.5°	

DRILL HOLE SUMMARY — REASON FOR DRILLING HOLE AND RESULTS

The drillhole was intended to intersect a broad, weak Mo-Cu-Au feature centred at L16+00W/15+25N. The conductive feature was explained as a zone of interbedded graphitic and non-graphitic units. The most significant graphitic sulphide bearing section were intersected at 69.1–77.89, 85.17–87.28 and 94.23–110.3. Pyrite nodules up to 5cm diameter were observed within the graphitic sections with sulphides obtaining concentration up to 20% pyrite.



GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	43.7	OVERBURDEN
43.7	69.1	BIOTITIC ~~ARENITE~~ ARKOSE
69.1	77.89	GRAPHITIC ARGILLITE/ARGILLITE
77.89	85.17	INTERMEDIATE FELDSPAR PORPHYRY
		BRECCIA
85.17	87.28	GRAPHITIC ARGILLITE
87.28	93.77	BIOTITIC WACKE
93.77	94.23	INTERMEDIATE FELDSPAR PORPHYRY
94.23	110.3	GRAPHITIC ARGILLITE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

5167 - 5196

DRILL HOLE T-88-18a PROJECT TWECO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 17, 1988 PAGE 2 OF 5

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	chl	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
40	0.0 – 43.7 – OVERBURDEN																					
44–48	43.7 – 69.1 *Biotite Arenite* — fine to medium grained, brown, moderately foliated, massive biotite with irregularity with foliation @ 80° to CA, 0.5-0.6% [illegible], rounded fsp clasts up to 2.5mm. Upper part of section contains 3-5% graphite horizons up to 15cm wide. Bedding banding @ 50° to CA. Banding/bedding locally convoluted @ 10° to CA.	0.4 – 1	0.0 – 0.1	0-2	4-6	0.1 – 0.3	0	0	0	3-5	0	0	0.1 – 0.3	0.1 – 0.5	~~45.0~~	~~46.0~~	5167	1.0	NIL	10/ NIL		
49	45.38 – 45.6 35-90% qtz-calcite vein flooding, 0.1-0.5% fine py & diss & fracture controlled, 0.5% small sub-hedral garnets up to 2mm																					
51		0.3 – 0.5	0.0 – 0.1	0-2	4-6	0.1 – 0.3	0	0	0	0	0	0	0.1 – 0.5	0	50.0	51.0	5168	1.0	NIL	NIL		
52	52.3 – 52.95 10-15% qtz-calcite flooding veinlets @ 90° to CA. 0.1-0.3% fine py														~~51.0~~	52.0	5169	1.0	NIL	NIL		
53															52.0	53.5	5170	1.5	NIL	NIL		
54															53.5	54.0	5171	0.5	NIL	NIL		
56–59	56.0 – 69.1 – Highly oxidized sedimentary section rusty brown. Drill cored water at this point, probable aquifer. 70-75% recovery, very ground. Graphitic bed @ 64.49 – 64.6 [illegible] fine py found in qtz-calcite gangue. Contacts @ 78° to CA	0-0.5	0.0 – 0.1	0-1	2-4	0.0 – 0.3	0	0	0	5	0	0	0.5 – 1	0	NO SAMPLING DUE TO EXCESSIVE CORE LOSS							
60																						

DRILL HOLE T-88-18a PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 17, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated p—pervasive v—veined mv—microveined st—stockwork

metres	Description	% veins	Mag. sus.	Shear int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	From (m)	To (m)	Sample #	Width (m)	As	Au ppb	Cu	Zn
60	[illegible] Arenite																					
63		0.0–0.5	0.0–0.1	0–1	2–4	0.1–0.3	0	0	0	0	0	0	0.1–0.3	6								
64.9		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	~~64.0~~	~~65.0~~	~~5172~~	~~1.0~~	.14	NIL		
66															65.0	66.2	5173	1.2	.2	NIL		
67		0–0.5	0.0–0.1	0–1	2–4	0.1–0.3	0	6	0	0	0	0	0.1–0.3	0								
67.5															~~66.2~~	~~69.1~~	~~5174~~	2.9	.4	NIL		
69.1	69.1 – 77.89 – Graphitic Argillite / Exhalite																					
70	Tan to black to grey-white banded zone composed of 60% graphitic beds, 15% siliceous chert zones and 25% [illegible] feldspar porphyry intrusive. Bedding @ 72° to CA. [illegible] euhedral to rounded [illegible] bands/foliation parallel and [illegible] [illegible]. Cubic pyrite nodules up to 5 cm diameter observed. Bedding/foliation crenulated w/ crenulation cleavage @ 10° to CA.														69.1	71.0	5175	1.9	.5	NIL		
72															71.0	72.5	5176	1.5	.4	NIL		
73		5–10	[illegible]	1–3	3–4	0.5–1	0	0	0	60	0	0	2–7 mag?	0	72.5	73.0	5177	1.5	.5	NIL		
75															74.0	75.5	5178	1.5	.3	NIL		
76															75.5	77.0	5179	1.5	.4	NIL		
77.5															77.0	77.89	5180	0.89	NIL	NIL 20		
78.5	77.89 – 85.17 – Intermediate Feldspar Porphyry																		.2			
79.5	[illegible] to grey, med grey to green-grey, hard, massive to locally [illegible] feldspar rich intrusive. Contacts show @ 80° to CA.	0.1–0.5	0.0–0.1	0–1	7–8	0	0	0.5–1	0.3	0	0	0	[illegible]	0	79.0	80.0	5181	1.0	.2	NIL		

DRILL HOLE T-88-18b PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 17, 1988 PAGE 4 OF 5

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

(metres 80 – 100)

20–30% [illegible] white [illegible] Tour [illegible] 0.2–0.3% [illegible] sericitization [illegible] calcite [illegible] @ 80° T/CA [illegible] from 104.9 [illegible] throughout
Small altered biotite [illegible] @ 78.03–78.13 and 78.54 – 79.3

85.17 - 87.28 Graphitic Argillite
As at 69.1 – 77.89 but 40% [illegible] and 60% [illegible] layers 2-5% [illegible] to [illegible] pyrite [illegible]

87.28 - 93.77 Biotite Wacke
As at 43.7 – 69.1 but finer grained, [illegible]

93.77 – 94.73 - Intermediate Feldspar Porphyry

94.23 – 110.3 Graphitic Argillite
As at 69.1 – 77.89, 70–75% graphitic argillite with 25–30% [illegible] argillite [illegible] 15–20° foliation [illegible], disseminations and nodules [illegible] 5% [illegible] locally [illegible]

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork)

Interval	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
(to 79.3)	0.5 / 0.5	0.0 / 0.1	0-1	7-8	0	0	0.5 / nil	0.3	0	0	0	0.5 / 0.3	0
85.17 – 87.28	3-5	0.0 / 0.1	0-3	3-4	0-1	0	0.5	0	40	0	0	7.5 / nil, 0	0
87.28 – 93.77	0.5- / 1	0.3- / 0.1	0-3	4-6	0.3	0	0	0	0	0	0	0.5 / 0.3	0
93.77 – 94.73	0.5 / [illegible]	0.0 / 0.1	0-1	7-9	0	0	0.3- / 1.5	0	0	0	0	[illegible]	0
94.23 – 110.3	10-15	0.0 / 0.7	0-7	3-4	0.5 / 2	0	0.3- / 0.4	0	70-75	0	0	15-20 / ms, 0	0

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu Zn
80.0	81.1	5182	1.1	NIL	NIL	
84.0	85.17	5183	1.17	NIL	NIL	
85.17	86.17	5184	1.0	.3	NIL	
86.17	87.17	5185	1.0	.3	NIL	
87.17	88.28	5186	1.11	.2	NIL	
94.23	96.0	5187	1.77	.9	NIL	
96.0	97.5	5188	1.5	.9	NIL	
97.5	99.0	5189	1.5	.8	NIL	
99.0	100.5	5190	1.5	.5	NIL	

DRILL HOLE T-88-18 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 17, 1988 PAGE 5 OF 5

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	P.	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	A	Au ppb	Cu	Zn
100																						
1	101.62 – 102.22 – Biotitic arenite 0.5–1% dissem py	10-15	0.0-0.1	0-2	3-4	0.5-2	0	0.1-0.5	0	70-75	0	0	15-20 mv,D	0	100.5	102.28	5191	1.78	.9	NIL		
2		0.5-1%	0.0-0.1	0-2	4-5	[illegible]	0	0	0	1-3	0	0	1%	0								
		5-10	0.0-0.1	0	3-4	[illegible]	0	5	0	50-60	0	0	3-5	0	102.28	102.87	5192	0.59	.7	NIL		
3	102.87 – 104.74 – Siliceous argillite. Contact sharp @ 65° to CA. 1-3% foliation ‖ pyrite																					
4		0.1-0.5	0.0-0.1	0-1	6-7	0-0.3	0	0.5-1	0	0	0	0	1-3% mv	0	102.87	104.74	5193	1.87	.5	NIL		
5																						
6															104.75	106.5	5194	1.76	.9	NIL		
7		10-15	0.0-0.1	0-2	3-4	0.5-2	0	0.1-0.3	0	70-75	0	0	15-20% mv,D	0	106.5	108.0	5195	1.5	1.1	10/10		
8	108.21 – 109.61 – Ground-up core																					
9	109.11 – 110.3 – Ground very badly, 30% return. Hole abandoned at this point														108.0	110.3	5196	2.3	1.3	NIL		
110																						
1	110.3 – End of Hole																					
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
0																						

DRILL HOLE T-88-18 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 14, 1988 PAGE 1 OF 2

AREA GRID 9
CLAIM 955634
CORE SIZE BQ

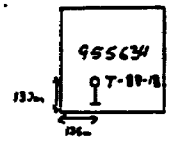
DATE STARTED DECEMBER 7, 1988
COMPLETED DECEMBER 10, 1988

CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS Hole abandoned at 47.55m due to excessive caving and sanding of the hole. Will restart hole.

		DOWNHOLE	VERTICAL
DEPTH	OVERBURDEN	43.15m	
	HOLE	47.55m	
ELEVATION			

CO-ORDINATES NORTHING 18+25N
EASTING L16+00W

LOGGED BY P. CASHIN
CHECKED BY Peter Caslin

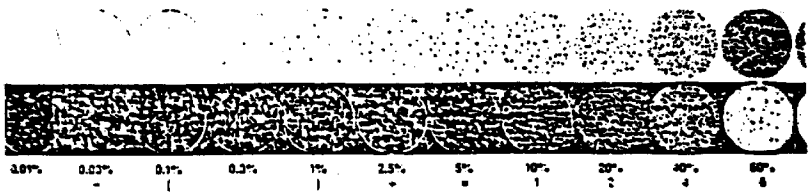


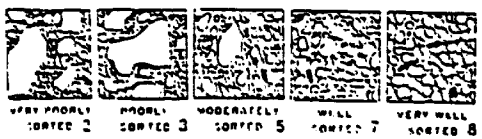
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		- 50°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

Target was intended to be a moderate Max Min conductor - centered at L 16+00W/17+25N. Target was not achieved due to abandonning of hole





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	43.15	OVERBURDEN
43.15	47.55	BIOTITIC GNEISS

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS

None

DRILL HOLE T-88-18 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 14, 1988

Legend: cg, fg, mg – coarse, fine, medium grained; diss – disseminated; sfol, mfol, wfol – strong, medium, weak foliation; qzvn – quartz vein.

Alteration & Mineralization %: d – disseminated; p – pervasive; v – veined; mv – microveined; st – stockwork.

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t
	0.0 – 43.15 – OVERBURDEN																				
	43.15 – 47.55 – BIOTITIC WACKE																				
	fg, reddish-brown, massive weakly to moderately foliated @ 70° to CA. 0.1–0.3% qtz-calcite-chlorite veinlets ∥ to foliation ∥ to oblique, local patchy chloritic, at random 0.1–0.3% fine disseminated pyrite	0.1–0.3	0	0–2	3–5	0.1–0.3	0	0	0	0	0	0	0.1–0	0							
	47.55 – End of Hole																				

DRILL HOLE T-88-19 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 19, 1988 PAGE 1 OF 4

AREA GRID 9
CLAIM 955636
CORE SIZE BQ
DATE STARTED DECEMBER 15, 1988
COMPLETED DECEMBER 18, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

DEPTH — DOWNHOLE | VERTICAL
OVERBURDEN 88.39
HOLE 138.98
ELEVATION
CO-ORDINATES NORTHING 16+25N
EASTING L18+00W
LOGGED BY P.CASHIN
CHECKED BY Peter Cashin

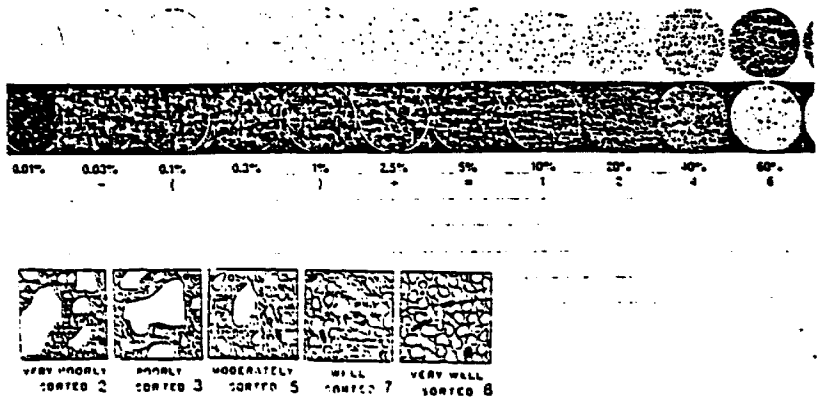
235m
T-88-19
90m
965636

DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
88.39		-46.5°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The hole was intended to intersect a moderate Max Min electromagnetic target centered on line 18+00W/15+25N. The weak broad response observed on profiles was observed as a series of narrow, parallel graphitic-multiple argillite beds throughout the hole. The widest of these was observed from 108.0 – 113.19m.



GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	88.39	OVERBURDEN
88.39	113.19	Interpolated Hanson Lake and Graphitic Argillite
113.19	116.02	Feldspar Porphyry Intrusive
116.02	138.98	Interpolated Biotite Wacke and Graphitic Argillite

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
5197 - 5219

DRILL HOLE T-88-19 PROJECT TWEED **CHEVRON MINERALS LTD. DIAMOND DRILL LOG** DATE DECEMBER 19, 1988 PAGE 2 OF 4

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	
80–88	0.0 – 88.39 – OVERBURDEN													
89–97	88.39 – 117.4 <u>Interstratified Muscovite Schist and Graphitic Argillite</u> — [illegible handwritten description: ... 30-35% graphitic argillite bands up to 57 cm ... alternating with muscovite-rich ... (65-70%) ... graphite bands ... Banding @ 73° to CA, locally contorted, 0.5-0.5% ... Z-fold geometry]	0.5–5	0.5–0.0	1-3	3-6	0.5–3.5	0	0.0–1.0	0	0–35	0	0	0.5–5	0.1–0.5
97–98	97.42 – 97.77 – <u>Quartz Vein</u>. Contacts @ 73° to CA	0		0	[illegible]	[illegible]	0	0	0	0	0	0	0.5	0
98–99		5		1-3	3-6	[illegible]	0	[illegible]	0	0	0	0	0.5–5	0.1
99–100	99.22 – 99.7 – as at 97.42 – 97.77	0		0	[illegible]	[illegible]								

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au	Au ppb
91.6	93.0	5197	1.4	.3	NIL
93.0	94.0	5198	1.0	.2	NIL
94.0	95.5	5199	1.5	NIL	NIL
95.5	97.0	5200	1.5	.3	NIL
98.0	99.22	5201	1.22	.2	NIL
99.22	99.7	5202	0.48	NIL	NIL

DRILL HOLE T-88-19 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE December 17, 1988 PAGE 3 OF 4

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres	Description
100	
1	
2	
	102.11 — 102.52 — Potassic Feldspar Porphyry Intrusion
3	102.91 — 102.99 — Potassic Feldspar Porphyry Intrusion
4	
5	
6	
7	
8	102.0 — 113.19 — Section contains 50 – 60% graphitic argillite 1 – 3% py, 0.5% po as fg ll [illegible] + disseminations. Conductor.
9	
10	
1	
2	
3	
4	113.19 — 117.49 — Feldspar Porphyry Intrusion
5	114.49 — 115.31 — Sheared Biotite : [illegible] [illegible]. [illegible] [illegible], [illegible], upper + lower contacts both [illegible] FP [illegible] over 10cm. Occasional stretched FP clasts + foliation @ 72° to CA. 0.1 – 0.3%
6	
7	115.31 – 116.02 – FP as at 114.13 – 114.48
8	117.4 — 133.73 Interbedded Biotite Wacke and Graphitic Argillite
9	
120	As above but composed essentially biotite wacke and 0 – 15% carbonaceous argillite bands from 1cm – 15cm. Contains

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork)

Interval	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	sul	ank	ser	tour	gf	cp	aspy	py	Po
107	0.5 – 5%		1-5	3-6	0.5 – 2	0	0.5 – 1	0	0.35	0	0	0.5 – 5%	0
110 – 111	1 – 5%	0.0 – 0.5	1-3	3-6	0.5 – 0.5	0	1	0	50 – 60	1	0	1 – 3% mv, d	0.5% mv
114	0		0 – 2	7-8	0	0	0.5 – 1	0	0	0	0	0	0
115	0		7-8	3-5	0.5 – 1	0	0	0	0	0	0	0.1 – 0.3	0
116	0		0 – 2	7 – 9	0	0	0.5	0		0		0.1 – 0.3	0
117	[illegible]		5	[illegible]	0.5 – 1	[illegible]	0.5 – 1	0	0.35	0	0	0.5 – 5	0
119	0.5 – 2%		0 – 2	4 – 6	0	0	0.1 – 0.3	0	0.15	0	0	0.5 – 1% mv, d	0.1 – 0.3 mv, d

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb
99.7	101.2	5203	1.5	.3	NIL
102.38	103.88	5204	1.0	.3	NIL
103.88	105.5	5205	1.62	NIL	NIL
107.0	108.5	5206	1.5	.2	NIL
108.5	110.0	5207	1.5	.3	NIL
110.0	111.5	5208	1.5	.2	NIL
111.5	113.0	5209	1.69	NIL	NIL
115.6	116.6	5210	1.0	.2	NIL
119.5	121.0	5211	1.5	.2	NIL

DRILL HOLE T-88-19 PROJECT TWEED

CHEVRON MINERALS LTD — DIAMOND DRILL LOG

DATE December 19, 1988 PAGE 4 OF 4

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres	DESCRIPTION
120	
1	Less sulfides than previous section ie 0.5-1% py, 0.1-0.5 [illegible] banded // [illegible] and disseminations, [illegible]
2	[illegible] feeds. Bedding @ 80° to CA. Feldspar porphyry intrusive sections not [illegible] to [illegible] this unit
3	
4	
5	
6	
7	
8	
9	
130	
1	
2	
3	
4	
5	
6	
7	
8	
9	
0	138.98 - End of Hole

% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	
0.5-2?	0.0-0.5	0.2	4-6	0	0	0	0.1-0.5	0.15	0	0	0.5-?? AV,D	0.1-0.5 AV,D

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb
119.5	121.0	5211	1.5	.2	NIL
121.0	122.0	5212	1.0	.2	NIL
125.0	126.0	5213	1.0	NIL	NIL
127.8	128.8	5214	1.0	.2	NIL
129.7	130.7	5215	1.0	.3	20 NIL
130.7	131.8	5216	1.1	.2	NIL
132.9	133.9	5217	1.0	.2	NIL
133.9	135.4	5218	1.5	.2	NIL
137.0	138.1	5219	1.1	.2	10

DRILL HOLE T-88-20 PROJECT TWEED

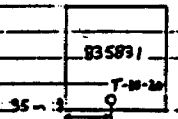
CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 13, 1988 PAGE 1 OF 11

AREA Grid 2
CLAIM 835831
CORE SIZE BQ
DATE STARTED DECEMBER 8, 1988
COMPLETED DECEMBER 10, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

DEPTH	DOWNHOLE	VERTICAL
OVERBURDEN	30.62	
HOLE	222.19	

ELEVATION
CO-ORDINATES NORTHING 12+75S
EASTING 2 L0+00W
LOGGED BY P. GASHKO
CHECKED BY Peter Larkin

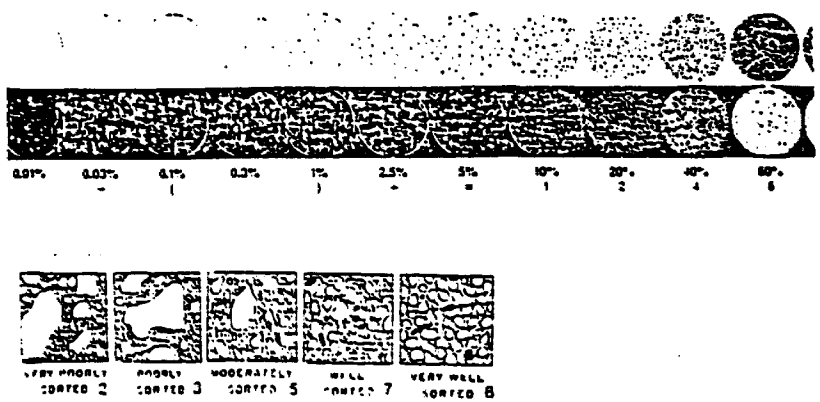


DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

This hole was designed to intersect a moderate to strong Max Min conductor with north flank moderate magnetics centered at L10+00W/12+00S. The conductor was explained by 2 parallel graphite-sulfide horizons at 126.19-128.64 and 145.8-147.33. Both were observed to contain from 2-5% py, 0.5-5% po and 0.5-1% aspy



GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	30.62	OVERBURDEN
30.62	34.67	Coarse Grained Chloritic Wacke
34.67	36.02	Foliated Plagioclase Feldspar Porphyry
36.02	66.2	Intercalated Coarse and Fine Grained Siltite / Wacke
66.2	71.0	Foliated Altered Wacke
71.0	72.26	Foliated Biotite Wacke
72.26	125.59	Intercalated Coarse and Fine Grained Wacke / Conglomerate
125.59	126.19	Sheared Altered Wacke / Conglomerate
126.19	128.64	Graphite + Sulfide Zone
128.64	145.8	Sheared Altered Wacke / Conglomerate
145.8	147.33	Graphite + Sulfide Zone
147.33	151.77	Sheared Silicified Wacke
151.77	195.35	Biotite Wacke
195.35	206.5	Banded Chert-Chl-Fe Ox Iron Formation
206.5	222.19	Chloritic Wacke

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
5069 - 5166

DRILL HOLE T-88-20 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE DECEMBER 13, 1988 PAGE 2 OF 11

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

30 — 0.0 – 30.62 – OVERBURDEN

30.62 – 34.57 *Coarse grained Chloritic Mafic / Wacke*

dk. green, massive rock. Composed of 60% [illegible] chlorite after actinolite, 0.5–1% calcite, 0.5–2 epidote, 35% [illegible] and interstitial [illegible] quartz, 0.3–0.5% fg py, disseminated, 0.1–0.3% [illegible] MV @ 10° to 60° to CA. Foliation weakly to moderately developed @ 60° to CA.

34.57 – 36.02 *Foliated Potassic Feldspar Porphyry Intrusive*
[illegible] @ 65° to CA [illegible] 20% [illegible]

36.02 – 66.2 *Intercalated Coarse and Fine Grained Biotite Wacke / Conglomerate*

[illegible] intercalated sequence of coarse grained chloritic wacke/mafic as described @ 30.62 – 34.57 and fg to aphanitic biotitic wacke. At times coarse grained fractures to fragments within finer grained wacke and may locally be conglomeratic. 0.3–0.5% [illegible] calcite [illegible] microveinlets throughout. Coarse grained clasts / bands up to 25cm (Range 1cm – 25cm). 0.5–2% red-brown garnets up to 4mm. 0.1–0.3% fg disseminated py. Banding @ 65° to CA.
– 15–20% coarse grained sections / clasts, 80–85% biotite wacke

43.25 – 44.33 – Coarse grained wacke section as at 30.62 – 34.57

49.89 – 50.47 – Moderately to highly silicified section with 1–3% [illegible] 0.5–1% [illegible] microveinlets

Interval	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	[illegible]	cp	aspy	py	?	From (m)	To (m)	Sample #	Width (m)	As	Au ppb	Cu	Zn
30.62 – 34.57	0.5–0.3	0.0–0.1	3-5	6	0.5–1	0	0	0	0	0	0	0.1–0.3	0	32.0	33.0	5069	1.0	NIL	NIL	51	56
34.57 – 36.02	0.5–1	0.0	4-6	7-8	0.3–0.5	0	0.5–1	0	0	0	0	0.3–0.5	0	35.0	36.02	5070	1.02	NIL	NIL	33	95
36.02 – 66.2	0.5–0.5	0.0–0.2	1-3	4-6	0.5–2	0	0	0	0	0	0	0.1–0.3	0	39.0	40.0	5071	1.0	NIL	NIL	28	64
														43.0	44.0	5072	1.0	NIL	NIL	40	00
														47.0	48.0	5073	1.0	NIL	NIL	17	[illegible]
49.89 – 50.47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 13, 1988 [illegible]E 3 OF 11

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
50.0	~~[illegible]~~	~~3-5~~	~~[illegible]~~	~~0-2~~	~~[illegible]~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0.5-1~~	~~1-3~~
.1 – .3	50.97 – 53.64 - Weakly silicified moderately chloritized section w/ 0.5-2% po, 0.3-0.5% py as bands ‖ and oblique qz-chl-carb microveinlets & stringers	2-3	0.5-1.1	0-2	5-6	0.5-0.5	0	0	0	0	0	0	0.5-0.5 MV	1.5-2 MV
.4 – .7		0.3-0.5	0.0-0.2	1-3	4-6	0.3-0.5	0	0	0	0	0	0	0.1-0.5 MV, 0	0.3-0.5 MV, 0
.8 – .9	57.85 – 59.65 = Slightly more magnetic, section due to 0.5-7% fg/diss po (0.3-0.5% py as fragmented bands, ‖ to banding. Believed) to be primary sulfides.	0.5-2.	0.4-1.0	0-2	5-6	0.3-0.5	0	0	0	0	0	0	0.3-0.5 MV, 0	0.5-1 MV, 0
60 – .3		0.1-0.5	0.0-0.2	1-3	4-6	0.3-0.5	0	0	0	0	0	0	0.1-0.5 MV, 3	0.1-0.3 MV, 5
.4 – .5	63.75 – 65.53 = Moderately silicified, weakly sericitized section w/ banded 0.3-0.5% fg po, 2-5% vfg bands parallel py, 0.1% cpy	3-5	0.4-0.7	0-2	4-6	0.3-0.5	0	0.3-0.5	0	0	0.1-0	0	2-5 MV, 0	0.7-3.5 MV, 0
6		0.3-0.5	0.0-0.2	1-3	4-6	0.1-0.5	0	0	0	0	0	0	0.1-0.5	0.1-0.7
.7 – 70	66.2 – 71.0 <u>Foliated Altered Wacke/Arkose</u> — Lt. to aphanitic, moderately to strongly foliated light green to grey-green. Section weakly sericitized & ankeritized but is observed to become more strongly altered downhole. Foliation @ 62° to C.A. 0.5% - 2% po, 0.5-3% fg py, 0.1% cpy as foliation parallel microveinlets in green [illegible] 0.3-5% [illegible] foliation [illegible] of core-axis MV @ 23° to [illegible]	5-8	0.0-0.2	6-8	6-7 / 7-9	0.0-0.1	0	10-20	0	0	0.1 MV	0	0.5-3 MV	0.5-2 MV

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
~~49.89~~	~~50.47~~	~~5074~~	~~0.58~~	~~[illegible]~~	~~NIL~~	~~43~~	~~[illegible]~~
50.47	51.47	5075	1.0	NIL	NIL	86	87
51.47	52.47	5076	1.0	NIL	NIL	70	86
~~52.47~~	~~53.69~~ 53.64	5077	~~1.17~~	~~NIL~~	~~NIL~~	89	121
~~53.64~~	~~54.64~~	~~5078~~	~~1.0~~	NIL	~~NIL~~	109	93
~~54.64~~	~~55.64~~	5079	~~1.0~~	.2	NIL	92	72
55.64	56.64	5080	1.0	NIL	NIL	59	64
56.64	57.85	5081	1.21	NIL	NIL	92	77
57.85	58.85	5082	1.0	NIL	~~NIL~~	36	74
58.85	59.65	5083	0.8	NIL	NIL	66	6[illegible]
59.65	60.45	5084	0.8	NIL	NIL	58	56
60.45	61.6	5085	1.15	NIL	NIL	44	6[illegible]
61.6	62.4	5086	0.8	NIL	NIL	42	0[illegible]
63.75	64.5	5087	0.75	.2	NIL	34	71
64.5	65.53	5088	1.03	NIL	NIL	93	42
65.53	66.2	5089	0.67	NIL	NIL	84	71
66.2	67.2	5090	1.0	.2	NIL	51	60
67.2	68.2	5091	1.0	NIL	NIL	53	51
68.2	69.0	5092	0.8	NIL	NIL	21	51
69.0	70.0	5093	1.0	NIL	NIL	23	26

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 13, 1988 PAGE 4 OF 11

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
70																						
1	CA. Colour change from green to apple green observed at 68.27. Also [illegible] both [illegible] and alteration	5-8	0.0-0.6	6-8	7-8	0.0-0.1	0	tr-2	0	0	0.1 mv	0	0.5-3 mV	0.5-2 mv	70.0	71.0	5094	1.0	NIL	NIL	25	44
2	71.0-72.26 - Foliated Biotite Wacke. As at 66.7-71.0 but highly biotitic and silicified. 0.5-3% fg po, 0.5% py.	0-1.9	0.4-0.9	4-6	9	0.5-2	0.5-2	1-3	0	0	0	0	0.5 mv	0.5-3 mv	71.0	72.26	5095	1.26	NIL	NIL	75	55
3	72.26 - 155.58 Interbedded Coarse and Fine Grained Wacke/Conglomerate														72.26	73.26	5096	1.0	NIL	NIL	81	39
4	As described at 36.02-66.2 but coarse grained sections appear as fragment (5-8%) rather than biotite rich	0.3-0.5	0.0-0.1	1-3	4-6	0.5-1	0	0	0	0	0	0	0.1-0.3, 0	0								
5	groundmass. Conglomeratic texture 1-5% red-brown garnets in selected sections, up to 1.1 cm (may be metamorphic texture)																					
6	76.28 - 76.73 - Sheared & silicified section. Weakly to																					
7	moderately sericitized. 15% qtz MV flooding w/ 1-3% fg po, 0.1-0.3% py	15	0.7	4-6	4-6	0.5-1	0	0.5-1	0	0	0	0	0.1-0.3	1-3 mv	76.2	76.8	5097	0.6	NIL	NIL	68	69
		0.3-0.5	0.0-0.1	1-3	4-6	0.5-1	0	0	0	0	0	0	0.1-0.3, 0	0								
8	78.0 - 78.55 - As at 76.23-76.73	70-75	0.5	4-6	5-6	0.5-2	0	0.5-1	0	0	0	0	0.5-3 MV	1-3	78.0	78.8	5098	0.8	4	10	74	10[illegible]
9																						
80															79.4	80.0	5099	0.6	5	50	61	40[illegible]
1																						
2																						
3		0.3-0.5	0.0-0.2	1-3	4-6	0.5-1	0	0	0	0	0	0	0.1-0.3, 0	0.3-0.5, 0	83.0	84.0	5100	1.0	NIL	NIL	82	46
4																						
5																						
6																						
7															87.0	83.0	5101	1.0	NIL	NIL	68	7[illegible]
8																						
9																						
90																						

DRILL HOLE T-88-20 PROJECT TWEED CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE DECEMBER 13, 198[illegible] PAGES OF 11

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; sfol, mfol, wfol—strong, medium, weak foliation; diss—disseminated; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	Au ppb	CU ppm	ZN ppm
90–1		0.3–0.5	0.0–0.2	1–3	4–6	0.5–1	0	0	0	0	0	0	0.1–0.3 mv	0.3–0.5 mv								
2	91.55 – 93.55 – Section weakly to moderately silicified 0.5–1% po, 0.3–0.5% py	0.5–1	0.2–0.7	1–3	5–7	0.5–1	0	0	0	0	0	0	0.3–0.5 mv	0.5–1 mv	91.55	92.55	5102	1.0	NIL	NIL	66	67
3															92.55	93.55	5103	1.0	NIL	NIL	46	62
6		0.3–0.5	0.0–0.2	1–3	4–6	0.3–0.5	0	0	0	0	0	0	0.3–0.5 mv	0.1–0.3 mv								
7															97.0	98.0	5104	1.0	NIL	NIL	87	57
8	98.0–98.3 – Section weakly magnetic	0.5–1	0.3–0.4	1–3	4–6	—	0	0	0	0	0	0	0.1–0.3	0.5								
101															101.0	102.0	5105	1.0	.2	NIL	85	103
104		0.3–0.5	0.0–0.3	0–2	4–6	0.1–0.3	0	0	0	0	0	0	0.0–0.3	0								
106															106.0	107.0	5106	1.0	NIL	NIL	46	87
108–110	108.4 – 124.56 Gradational increase in the distribution and proportion of garnets in the section. 5–10% pervasive garnetization up to 1 cm. Have irregular boundaries. Believed to be the manifestation of an																					

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 13, 1988 PAGE 6 OF 11

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

110 alteration phenomena.

125.59 - 126.19 Sheared Altered Conglomerate / Wacke

Fn to aphanitic, highly shear foliated, light grey, strongly silicified. Shear foliation @ 55° to CA. 1-3% [illegible] bluish quartz spheres up to 1.5 mm. Major graphite // foliation 5-8% & shear [illegible] [illegible] minor cont. [illegible] 1-3% py 1-2% po. Destruction of garnets observed in above noted lithology. Upper contact gradational over 15 cm. Shear / foliation locally contorted. Speck arsenopyrite.

ALTERATION & MINERALIZATION %
(d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)

metres	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
117-118	0.3-0.5	0.0-0.3	0-2	4-6	0-0.3	0	0	0	0	0	0	0.0-0.3 D	0
125.59-126.19	5-8	0.9-1.4	7-9	9-10	0-1	0	0	0	0-3	0	0-0.3	1-3 mv	1-2 mv
126.19-127.94	5-8	0.8-1.2	7	4-5	1-3	0	0	0	95	0	0	1-3 mv	1-2 mv
127.94-128.64	45	1-2	3-4	5	3-5	0	0	0	55	0	0	35	5
	10-15	0.9-1.4	7	4-5	1-3	0	0	0	95	0	0	1-3	1-2
128.64-129.14	15	0.9	9	10	0-1.09	0.3	30-40	0	5	0	0.5-1	5-12	0.5-1
129.14-130.0	15-25	0.5-1.7	9-10	9-10	0-0.3	0	15-20	0	0	0	0.5-2	5-10 mv	0.5-2

SAMPLING

From (m)	To (m)	Sample #	Width (m)	Ag (ppm)	Au (ppb)	Cu (ppm)	Zn (ppm)
110.0	111.0	5107	1.0	NIL	NIL	49	110
114.0	115.0	5108	1.0	NIL	NIL	41	111
118.0	119.0	5109	1.0	NIL	NIL	40	104
122.0	123.0	5110	1.0	NIL	NIL	40	14[illegible]
125.0	125.59	5111	0.59	NIL	NIL	22	8[illegible]
125.59	126.19	5112	0.6	.2	NIL	81	11[illegible]
126.19	127.0	5113	0.81	.3	40	81	7[illegible]
127.0	127.94	5114	0.94	.3	40	87	8[illegible]
127.94	128.64	5115	0.7	.6	40	129	7[illegible]
128.64	129.14	5116	0.5	NIL	10	86	1[illegible]
129.14	130.0	5117	0.86	NIL	NIL	49	5[illegible]

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE DECEMBER 13, 1988

DESCRIPTION

cg, fg, mg – coarse, fine, medium grained; diss – disseminated
sfol, mfol, wfol – strong, medium, weak foliation; qzvn – quartz vein

metres: 130 – 150

126.19 – 128.64 – Graphite + Sulfide Zone

fg [illegible], highly graphitic, locally strongly foliated @ 82° to CA. 1-3% fg po, 1-2% py as foliation, // qtz-calcite veinlets + stringers. Graphitic Mudstone / Argillite. Weakly silicified.
127.94 – 128.24 – 35% coarse grained py, 5% coarse grained po in qtz-gph-calcite gangue.

128.64 – 145.8 Sheared altered Conglomerate / Wacke

As at 125.59 – 126.19, but moderately silicified and sericitized ± Sericite at contact with graphite zone intense, yellowish-green. Shear at 30-65° to CA. 15-25% [illegible] // qtz-calcite [illegible] and [illegible] veinlets. Upper contact sharp and cut by graphite zone oblique to shear foliation @ 45° to CA. Shear foliation drag folded on graphitic section.
128.64 – 128.94 – Most intensely sericitized section. At least 3 phases of intersecting qtz veinlets. 5-10% [illegible] to [illegible] py, 0.5-1% fg po, 0.5-1% [illegible] arsenopyrite. 1-5% graphite. Highly silicified arsenopyrite-bearing veinlets [illegible] a qtz / calcite gangue.
128.94 – 136.05 – Highly to moderately silicified, weakly to moderately sericitized, strongly sheared [illegible]. Shearing @ 55°-65° to CA. 5-10% [illegible] [illegible] // [illegible] features. 5-10% fg py, 0.5-2% po, 0.5-2% arsenopyrite.
136.05 – 140.55 Moderately silicified, weakly chloritized sheared section. 1-3% fg py, 0.5-1% po, 0.03-0.1% arsenopyrite. Weak patchy sericite.
140.53 – 145.8 Moderately to highly silicified, weakly to moderately sericitized section as at 128.94 – 136.05. Weakly chloritized. 5-8% [illegible] fg to [illegible] py, 0.5-1% po, 0.1-0.3% fg aspy. Foliation @ 65° to CA.

145.8 – 147.33 – Graphite + Sulfide Zone

As at 126.19 – 128.64. [illegible] Contact

ALTERATION & MINERALIZATION %

d – disseminated; p – pervasive; v – veined; mv – microveined; sh – stockwork

approx. metres	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
133	15-25	0.5-1.7	9-10	9-10	0.1-0.3	0	15-20	0	0	0	0.5-2% MV	5-10 MV	0.5-2% MV
138	5-10	0.2-0.6	9-10	8-9	0.3-0.5	0	3-5	0	0	0	0.01-0.1% MV	3-5 MV	0.5-1% MV
143	15-20	0.6-1.9	9-10	9-10	0.1-0.3	0	5-15	0	0	0	0.1-0.3% MV	5-8% MV	0.5-1% MV
147	10-15	0.6	9-10	7-9	0.3-0.5	0	0.5-2	0	35-40	0	0.5-1	2-4 MV	0.3-0.5 MV
149	5-8	0.5	9-10	7-9	0.5	0	0.5-2	0	50	0	0.5-1 MV,D	2-5 MV,D	0.3-0.5 MV,D

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	AG ppm	AU ppb	Cu	Zn
130.0	130.8	5118	0.8	NIL	NIL	55	11?
~~130.8~~	~~131.6~~	~~5119~~	~~0.8~~	NIL	~~NIL~~	39	62
~~131.6~~	~~132.6~~	~~5120~~	~~1.0~~	.2	~~NIL~~	54	63
~~132.6~~	~~133.6~~	~~5121~~	~~1.0~~	NIL	~~NIL~~	47	50
~~133.6~~	~~134.6~~	~~5122~~	~~1.0~~	NIL	NIL	62	48
~~134.6~~	~~135.3~~	~~5123~~	~~0.7~~	NIL	~~NIL~~	53	59
135.3	136.05	5124	0.75	NIL	NIL	46	64
136.05	137.0	5125	0.95	NIL	NIL	50	52
137.0	138.0	5126	1.0	NIL	NIL	55	46
138.0	139.0	5127	1.0	NIL	NIL	48	57
139.0	139.75	5128	0.75	NIL	NIL	42	46
139.75	140.55	5129	0.80	NIL	NIL	47	51
140.55	141.0	5130	0.45	.2	10	61	01
141.0	142.0	5131	1.0	NIL	NIL	62	62
142.0	143.0	5132	1.0	NIL	NIL	71	95
143.0	144.0	5133	1.0	.2	70	68	79
144.0	145.0	5134	1.0	.2	70	49	10?
145.0	145.8	5135	0.8	NIL	30	47	15
145.8	147.33	5136	1.53	.3	20	104	110
147.33	148.0	5137	0.67	NIL	NIL	25	41
148.0	149.0	5138	1.0	NIL	NIL	34	85
149.0	150.0	5139	1.0	.2	NIL	51	55

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE DECEMBER 13, 1988 PAGE 8 OF 11

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained   diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation   qzvn—quartz vein

0.5 highly sericitized sediment frags up to 4mm. Foliation @ 30° to CA. 2-5% py, po (0.3-0.5% po), 0.5-1% aspy // foliation. Small [illegible] veinlets at ~90° to CA. Small bluish-grey metallic mineral along with sulfides [illegible]

147.33 – 151.77 – Sheared Silicified Wacke

As at 125.59 – 126.79 Except highly silicified pervasive, weakly to moderately [illegible], highly foliated, 3-5% fg disseminated py, 0.3-0.5% po, 0.1-0.3% fg disseminated aspy. Tectonic fabric [illegible] downhole

151.77 – 195.35 Biotite Wacke

Similar to 36.02 – 66.02 but coarse grained wacke component makes up only 5% of section 0.3-0.5% [illegible] // [illegible] Section generally more calcareous than in overlying units. Less abundant calcite-qtz veining

152.42 – 153.46 – Moderately silicified and [illegible] section 0.5-5% po, 3-5% py [illegible] qtz-carb veinlets

161.0 – 169.7 – Moderately silicified section, 10-15% qtz-calcite flooding // foliation and discordant veinlets + stringers 3-5% po, 0.5-1% py. Foliation @ 65° to CA

Interval	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
147.33–151.77	5-8	0.5	7-10	7-9	0.5-[illegible]	0	[illegible]-5 2	0	50	0	0.5-1% D	3-5 % MVD	0.3-0.5 MV
151.77–152.42	0.1-0.5	0.0-0.3	0-2	4-6	0-0.3	0	0	0	0	0	0	0.0-0.3	0
152.42–153.46	5-10	1-1	7-8	7-8	3-5	0	0	0	0	0	0	3-5	0.5-5
151.77–195.35	0.3-0.5	0.0-0.3	0-2	4-6	0.3-0.5	0	0	0	0	0	0	0.0-0.3 D	0
161.0–169.7	10-15	0.3-1.4	4-5	5-7	2-4	0	0	0	0	0	0	0.5-1 MV	3-5 MV

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
150.0	151.0	5140	1.0	.3	NIL	30	27
151.0	151.77	5141	0.77	NIL	NIL	33	94
151.77	152.42	5142	0.65	NIL	NIL	32	84
152.42	153.[illegible]	5143	0.[illegible]	.4	NIL	66	10[illegible]
156.0	157.0	5144	1.0	NIL	NIL	48	136
161.0	162.0	5145	1.0	NIL	NIL	11	110
162.0	163.0	5146	1.0	.3	NIL	18	116
163.0	164.0	5147	1.0	NIL	NIL	9	105
164.0	165.0	5148	1.0	NIL	NIL	7	97
165.0	166.0	5149	1.0	NIL	NIL	19	97
166.0	167.0	5150	1.0	NIL	NIL	10	120
167.0	168.0	5151	1.0	NIL	NIL	16	114
168.0	169.0	5152	1.0	NIL	NIL	39	117
169.0	169.7	5153	0.7	NIL	NIL	49	1[illegible]

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 13 1988 PAGE 9 OF 11

metres	DESCRIPTION (cg, fg, mg – coarse, fine, medium grained; sfol, mfol, wfol – strong, medium, weak foliation; diss – disseminated; qzvn – quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
170	Biotite Wacke																					
2		1-3 0	0.0-0.3	0-2	4-6	1-2 1	0	0	0	0	0	0	0.1-0.3	0								
4–5	174.0 – 175.36 – 10-15% qtz-calcite veinlets and breccia flooding @ 80 + 25° to CA: 3 intensity veins dist 0.1-0.3% fg py	10-15	0.0-0.2	3-7	4-6	5-10	0	0	0	0	0	0	0.1-0.3 mv	0	174.0	175.36	5154	1.36	NIL	NIL	38	25
7		1-3	0.0-0.3	0-2	4-6	0.5-1	0	0	0	0	0	0	0.1-1 mv	0.1-1 MV								
9	178.5 – 181.25 10% qtz-calcite veining of anastomosing // banding. Section contains 3-5% chert bands up to 1.5 cm wide. Matrix highly biotitic. 0.1-0.3% po bound // MV. Banding @ 65° to CA.														178.5	179.5	5155	1.0	NIL	NIL	69	97
180		5-10	0.0-0.3	0-2	6-7	1-2	0	0	0	0	0	0	0	0.1-0.3 mv	179.5	180.5	5156	1.0	NIL	NIL	73	31
1															180.5	181.3	5157	0.8	NIL	NIL	50	34
4		5-8	0.0-0.3	0-2	4-6	1-3	0	0	0	0	0	0	0.1-0.3 mv/d	0								
7	186.25 – 187.75 – 15% calcite-qtz veining 0.1-0.3% fg py	15	0.0-0.3	0-2	4-6	5-8	0	0	0	0	0	0	0.0-0.3	0	186.25	187.75	5158	1.5	NIL	NIL	50	44
190																						

DRILL HOLE T-88-20 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 13, 1988 PAGE 10 OF 11

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained; diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

190 Biotitic Wacke

195.35–206.5 Banded Chert–Chl–Bio Iron Formation

Gry fg aphanitic, well bedded to banded composed of alternating gry average cherty bands up to 1.5cm wide and Biotite–chlorite phyllosilicate rich bands up to 3 cm. In places chert band boudinaged giving such a fragmental appearance. Chert beds transected by bedding ∥ cal/qtz microveinlets (1–3%). Banding @ 60° to CA, well developed. 0.1–0.3 fg disseminated po.

196.98 – 197.94 – Biotitic Wacke section. Foliated @ 62° to CA.

204.9 – 206.5 – IF contains 1–3% large red-brown garnets up to 1cm. Chlorite-rich w/ 5–3% cherty beds.

206.5–222.19 Chloritic Wacke

Alternating coarse and fine grained, moderately to highly chloritic wacke at 36.02–66.2. Weakly to moderately foliated, locally banded @ 60° to CA. 0.5–2% qtz-calcite ∥ to foliation ∥ microveinlets and boudinaged lenses. 0.1–0.3 % fine po.

metres	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po
192.5	1–3	0.0–0.3	0–2	4–6	2–5%	0	0	0	0	0	0	0–1	0
196	3–5		0–2	5–7	1–3	0	0	0	0	0	0	0	0–1 / 0
197.5	0.5–1		0–2	5–6	0–0.3	0	0	0	0	0	0.1	0	0.1–0.5, 0
202	0.5–1	0.0	0–2	5–7	1–3	0	0	0	0	0	0	0	
208.5	0.5–2		0–2	4–6	0.5–1%	0	0	0	0	0	0	0	0.1–0.3

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
191.0	192.0	5159	1.0	NIL	NIL	73	58
195.35	196.35	5160	1.0	NIL	NIL	66	65
199.0	200.0	5161	1.0	NIL	NIL	75	38
203.0	204.0	5162	1.0	NIL	NIL	61	59
207.0	208.0	5163	1.0	NIL	NIL	78	[illegible]

DRILL HOLE T-88-20 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 13, 1988 PAGE 11 OF 11

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres	Description
210	CHLORITIC WACKE
223	222.19 – End of Hole

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Pb	Au ppb	Cu	Zn
211.0	212.0	5164	1.0	NIL	NIL	40	36
215.0	216.0	5165	1.0	NIL	NIL	60	42
219.0	220.0	5166	1.0	NIL	NIL	46	18

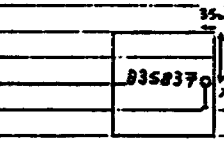
DRILL HOLE T-88-21 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 30, 1988 PAGE 1 OF 9

AREA GRID 2
CLAIM 835837
CORE SIZE BQ
DATE STARTED DECEMBER 13, 1988
COMPLETED DECEMBER 16, 1988
CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

DEPTH — DOWNHOLE | VERTICAL
OVERBURDEN 56.4m
HOLE 209.08m
ELEVATION
CO-ORDINATES NORTHING 15+00S
EASTING 112+00W
LOGGED BY P CASHIN
CHECKED BY Peter Cashin

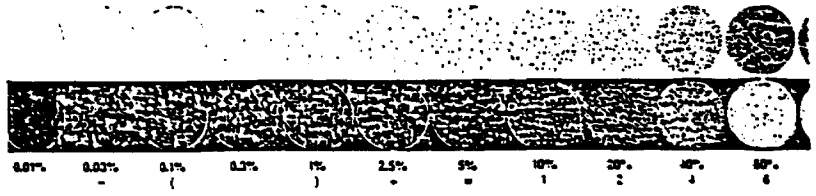


DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	
60.96		-46.5°	
202.99		-38.5°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

The Target Tested was a moderate to high Max Min conductor with moderate to high coincident magnetics centered at Line 12+00W/16+00S. The anomaly was observed to be caused by sulfide graphitic argillite at 92.05 - 95.42 containing 40-45% pyrite, 55% crystalline pyrite, and 5-10% Sulfosalts. Pyrite, small amounts of arsenopyrite were observed in bounded quartz breccia at 172.85m.



GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	56.4	OVERBURDEN
56.4	92.05	BIOTITIC WACKE
92.05	95.42	GRAPHITIC ARGILLITE
95.42	112.50	CHLORITIC WACKE
112.50	144.56	POLYMICTIC CONGLOMERATE
144.56	168.36	BIOTITIC WACKE
168.36	184.75	BIOTITIC LITHIC ARENITE
184.75	187.75	BIOTITIC LITHIC WACKE
187.75	197.0	CONGLOMERATE
197.0	209.08	BIOTITIC LITHIC WACKE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
5220 - 5253

DRILL HOLE T-88-21 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 20, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

0.0 – 56.4 – OVERBURDEN

56.4 – 92.05 Biotite Wacke

[illegible] to aphanitic, med brown-grey, banded to foliated. Weakly [illegible] with 0.1-0.5% [illegible] growth (brown-red) / garnets up to 6mm. Flattening [illegible] banding @ 40-55° to CA. 5% grey siliceous bands (up to 2cm) alternate with biotite rich beds. 0.5-1% py as band ∥ microveinlets and disseminations 0.5-2% qtz-calcite veining as band ∥ and oblique features. 0.1-0.3% band oblique qtz-calcite tourmaline microveinlets @ 25° to CA.

61.1 – 62.23 – Silicified sericitized section w/ 0.1-0.3% po, 0.1-0.3% [illegible] py dissemination. Ground core, 53cm lost.

66.3 – 72.55 – Section contains 75% calcareous biotite wacke bed.

ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, st—stockwork)

Depth (approx.)	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
56.4–61.1	0.5-2%	0.0-0.3	0-2	4-5	0.5-1	0	0	0.1-0.3	0	0	0	0.5-1 md/d	0.1-0.3 mvd
61.1–62.23	0.3-0.5		0-2	5-7	0.1-0.3	0	1-2	0	0	0	0	0.1-0.3	0.1-0.3
62.23–66.3	0.5-2		0-2	4-6	0.5-1	0	0	0.1-0.3	0	0	0	0.5-1	0.1-0.3
66.3–70	1-3		0-2	4-5	10-15	0	0	0	0	0	0	0.1-0.5 d	0.1-0.3 d

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
59.0	60.0	5220	1.0	NIL	NIL	74	[illegible]
60.0	61.1	5221	1.1	NIL	NIL	67	[illegible]
61.1	62.23	5222	1.13	NIL	NIL	27	[illegible]
65.0	66.0	5223	1.0	NIL	NIL	52	[illegible]
69.0	70.0	5224	1.0	NIL	NIL	00	[illegible]

DRILL HOLE T-88-21 PROJECT TUEGO

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 20, 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	?%	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
70	BIOTITIC WACKE																					
71		1-3	0.0-0.2	0-2	1-5	10-15	0	0	0	0	0	0	0.5-[illegible]	0.1-0.3								
72	71.16-72.2 — Brecciated section w/ 1-2% py, 0.5% po as fracture filling microveinlets and disseminations	5-5		1-3	3-6	3-5	0	0.1-0.3	0	0	0	0	1-2 mv, d	0.5 mv, d	71.16	72.2	5225	1.04	2	NIL	80	15
73																						
74		0.5-2		0-2	4-6	0.5-1	0	0	0.1	0	0	0	0.5-1	0.1-0.3								
75																						
76	75.52-76.71 — Weakly to moderately [illegible], weakly [illegible], foliated section w/ 0.3-0.5% po, 0.5-1% [illegible] py, 0.3-0.5% euhedral crystalline py [illegible] py [illegible] crystalline py			1-3	4-6	0.5-1	0	0.1-0.3	0	0	0	0	0.5-2	0.5-1	75.5	76.5	5226	1.0	NIL	NIL	64	14
77																						
78																						
79																						
80															80.0	81.0	5227	1.0	NIL	NIL	48	21
81																						
82																						
83															83.0	84.0	5228	1.0	NIL	NIL	56	15
84			0.2-0.6																			
85																						
86																						
87															87.0	88.0	5229	1.0	NIL	10	45	15
88																						
89	89.27-89.43 — Sulphide oriented quartz breccia zone [illegible]														89.0	89.5	5230	0.5	6	50	54	[illegible]
90															89.5	90.5	5231	1.0	NIL	10	[illegible]	[illegible]

DRILL HOLE T-88-21 PROJECT TUCCO **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 20, 1988

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
90	BIOTITIC WACKE														87.5	90.5	5251	1.0	NIL	10	48	[illegible]
91–92	91.45 – 92.05 – Sediment highly silicified w/ ~0.5–2% fg py in qtz-chl-calcite fracture filling veinlets														91.45	92.05	5232	0.6	NIL	NIL	46	20
				1-3	6	0.5	0	0	0	2-3	0	0	15	0	92.05	92.55	5233	0.5	.2	NIL	166	2[illegible]
93	92.05 – 95.42 Graphitic Argillite														92.55	93.55	5234	1.0	.2	NIL	59	143
94–95	fg to aphanitic, banded to foliated, black to grey. Section contains 40–45% graphite. Upper 26cm contains sulfide calcite breccia w 55% euhedral py, 10% colloform py. Banding @ 46° to CA. 94.77 – 95.42 – Section contains 10–15% graphite, 60% calcite. 0.5–1% py mv, 0.5–0.5% po	2-5		1-3	4-6	0.5	0	0	0	10-15	0	0	0.5-2% mv.d	0.3-0.5 d.	93.55	94.77	5235	1.22	NIL	NIL	46	20
				1-3	3-5	60	0	0	0	10-15	0	0	0.5-1	0.5	94.77	95.42	5236	0.65	NIL	8060	34	11
96	95.42 – 112.57 Albite Wacke																					
97–101	fg to aphanitic, massive, green-grey to red-grey, moderately siliceous, weakly chloritized. 0.5–1% qtz-calcite veinlets on foliation ∥ and oblique and in result. Rock locally cherty. 0.5% fracture filling qtz-calcite microveinlets w/ 0.3–0.5% fg euhedral py and as colloform py throughout. Colloform pyrite (becoming more predominant) downhole. Trace po wisps. Foliation/banding @ 52° to CA. Foliation development increasing downhole.	0.5-2	0.0-0.6	0-1	6-7	0.3-1%	0	0	0	0	0	0	0.5-1% mv	0.1-0.3	98.0	99.0	5237	1.0	NIL	NIL	56	59
102–103															102.0	103.0	5238	1.0	NIL	NIL	66	4[illegible]
104–106															105.0	106.7	5239	0.9	NIL	NIL	48	1[illegible]
107	10[illegible] – 107.1 – Fracture filling qtz-carbonate veins w/ 0.1–0.3% crystalline py, 1% colloform py. Adjacent sediment moderately silicified	0.5-2		0-1	0-1	0-3	0	0.3-0.4	0	0	0	0	0.5-2%	0	[illegible]	107.3	5240	0.9	NIL	NIL	[illegible]	[illegible]
108		0.5-2		0-1	6-7	0.3-1%	0	0	0	0	0	0	0.3-0.5 mv.d	0.1-0.3 mv.d	107.3	108.6	5241	1.3	NIL	NIL	32	[illegible]
109–110	108.6 – 112.57 – Sheared and brecciated wacke section with strong deformation, foliation development @ 45–50° [illegible]	0.3-0.5	0.3-0.5	5-7	5-7	0.5-1	0.1-0.3	0.3-0.5	0	0	0	0	1-4 mv.d	0.1-[illegible]	108.6	110.0	5242	1.4	NIL	NIL	59	11

DRILL HOLE T-88-21 PROJECT TWEED **CHEVRON MINERALS LTD · DIAMOND DRILL LOG** DATE December 20, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained   diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation   qzvn—quartz vein

metres	Description
110–112.57	[illegible] sericite 1-3% py as fine euhedral grains and colloform stringers 0.1-0.3% po wisps ∥ foliation 0.5-1% bl. quartz eyes up to 1.5mm.
112.57–114.36	Polymictic Conglomerate. fg to aphanitic, brownish grey, massive, composed of 3-5% sheared and altered sedimentary fragments up to 4cm, 1-3% grey cherty frags up to 4cm (HUFF) stratified @ 60° to CA. Matrix supported in aphanitic [illegible] material. Locally sheared and brecciated section throughout. 0.5-1% [illegible] py, 0.3-0.5% po as foliation ∥ wisps & MV. 1-3% blue quartz eyes up to 2mm. Sulfides observed as fracture filling veinlets throughout section.
	112.57–113.59 – Sheared and brecciated section @ 35-45° to CA. Carbonated 3-5% [illegible] py & colloform py, 0.1-0.5% wisps po. Weakly to moderately silicified, weakly carbonated.
	117.22–119.34 – as at 112.57–113.59. Breccia cement composed of qtz-calcite.
120–121	0.3-0.5% black chert fragments, sub-angular to sub-rounded, up to 1cm [illegible] observed.
126.4–127.55	Brecciated and carbonatized section as at 117.22–119.34.

ALTERATION & MINERALIZATION % (d—disseminated, mv—microveined, p—pervasive, v—veined, sk—stockwork)

metres	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	?
110–112.57	0.3-0.5	0.3-0.5	5-7	5-7	0.5-1%	0.1-0.3	0.3-0.5	0	0	0	0	1-4 MV,D	0.1-0.1 MV
112.57–113.59	5-10	0.1-0.5	7-8	5-7	0.5-1%	0.1-0.3	0.5-0.5	0	0	0	0	3-5 MV	0.1-0.5
113.59–117.22	0.3-0.5	0.1-0.5	5-6	6-8	0.5-1%	0	0	0	0	0	0	0.5-1 MV,D	0.3-0.5
117.22–120	3-5	0.1-0.5	7-8	5-7	1-3%	0.1-0.3	0.3-0.5	0	0	0	0	0.5-2% MV,D	0.1-0.3
120–126.4	0.3-0.5	0.1-0.5	5-6	6-8	0.5-1%	0	0	0	0	0	0	0.5-1%	0.1-0.3
126.4–127.55	3-5	0.0-0.1	5-7	5-7	1-3%	0	0	0	0	0	0	0.5-1%	•
127.55–130	0.3-0.5	0.1-0.5	3-5	[illegible]	0.5-1%	0	0	0	0	0	0	0.5-1%	0.1-0.3

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
110.2	111.5	5243	1.5	NIL	NIL	41	114
111.5	112.57	5244	1.07	NIL	NIL	54	H[illegible]
112.57	113.59	5245	1.02	NIL	NIL	55	96
113.59	115.0	5246	1.41	NIL	NIL	32	96
115.0	116.0	5247	1.0	NIL	NIL	54	1[illegible]
116.0	117.22	5248	1.22	NIL	NIL	39	1[illegible]
117.22	118.5	5249	1.28	NIL	NIL	38	91
118.5	119.84	5250	1.34	NIL	NIL	42	95
121.6	123.1	5251	1.6	NIL	NIL	41	13[illegible]
125.1	125.9	5252	0.8	NIL	NIL	53	72
126.4	127.55	5253	1.15	NIL	10	46	1[illegible]
127.55	128.65	5254	1.1	–	–	–	–
128.65	129.75	5255	1.1				

DRILL HOLE T-83-21 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE December 20, 1983

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sh—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	?	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	As	Au ppb	Cu	Zn
130	[illegible] Conglomerate/Agglomerate																					
1																						
2		0.3-0.6	0.1-0.5	3-5	6-8	0.5-1½	0	0	0	0	0	0	0.5-1	0.1-0.5								
3																						
4	133.36 - 134.51 - Sericitized and brecciated section of 1.15 m collofom py band & + oblique qtz calcite veinlets	2.5	0.0-0.1	5-6	5-7	0.5-1	0	3-5	0	0	0	0	1-3	0	133.36	134.51	5257	1.15	.3	NIL	61	14
5	134.51 - 137.69 - As at 133.36-134.51. Breccia fragments locally have sericite zones. Brecciated qtz calcite veins and veinlets @ 30° to CA. More pyrite rich.														134.51	136.0	5258	1.37	NIL	NIL	50	15
6		2-5	0.0-0.1	4-5	4-5	0.5-2	0	3-5	0	0	0	0	2-5	0								
7	Conglomerate/agglomerate becoming finer grained, less fragment rich downhole														136.0	136.64	5259	1.64	.5	NIL	40	39
8																						
9															138.79	738.84	5260	1.1	.2	NIL	60	5
140		0.3-0.5	0.1-0.5	3-5	5-6	0.5-1	0	0	0	0	0		0.5-1	0.1-0.3								
1																						
2																						
3															142.7	143.7	5261	1.0	.2	10		
4	143.75 - 144.56 - Altered breccia section as at 133.81-137.69	.5-2	0.0-0.1	4-5	5-7	0.5-2	0	2-4	0	0	0	0	0.5-2	0	143.7	144.56	5262	0.86	.2	NIL		
5	144.56 - 168.36 Biotite Wacke														144.56	145.56	5263	1.0	NIL	NIL		
6	As at 56.4 - 92.05. Occasional 1 cm cherty bands throughout. Banding @ 55° to CA.																					
7																						
8		0.1-0.3	0.0	0-3	3-5	0.5-1	0	0	0	0	0	0	0.1-0.5	0.0-0.1								
9															148.0	149.0	5264	1.0	NIL	NIL		
150																						

DRILL HOLE T-88-21 PROJECT Tucco CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE December 20, 1993

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	R	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
150	Biotitic Wacke																					
1															151.0	152.0	5265	1.0	NIL	10		
2															152.0	153.0	5266	1.0	NIL	NIL		
3																						
4		0.3-0.5	0.0-0.3	0-2	4-6	0.5-1	0	0	0	0	0	0	0.1-0.5	0-0.1								
5																						
6															156.0	157.0	5267	1.0	NIL	NIL		
7																						
8																						
9	159.85 – 161.92 – Section contains 15-20% calcareous bands 65° to CA. Abundant qtz veining, brecciated, // banding 0.1-0.2% py, 0.03% cpy																					
160		5-10	0.0-0.2	0-3	4-6	10-15	0	0	0	0	0.03	0	0.1-0.1	0	159.05	160.5	5268	1.45	NIL	40		
1															160.5	161.92	5269	1.42	NIL	NIL		
2																						
3																						
4																						
5	164.34 – 164.7 Highly contorted banded chl-chert-qtz-sulfide IRON FORMATION(?). Contains possible chlorite (?) 0.3-0.5% mag ut, 0.5-1% py, 1-3% po	0.3-0.5	0.0-0.3	0-3	4-6	0.5-1	0	0	0	0	0	0	0.3-0.5	0.0-0.1	164.2	165.0	5270	0.8	NIL	20		
6															165.0	166.0	5271	1.0		56		
7																						
8																						
9	168.36 – 184.75 Biotitic Lithic Arenite	0.1-0.3	0.0-0.1	0-3	3-5	0.8-2	0	0	0	0	0	0	0.1-0.3	0	169.0	170.0	5272	1.0		NIL		
170	fine to med. grained brownish-beige massive to foliated																					

DRILL HOLE T-88-21 PROJECT Tweco **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE December 23, 1988

DESCRIPTION

cg, fg, mg—coarse, fine, medium grained; diss—disseminated

sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

metres	Description	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	Alteration & Mineralization %
170	Biotite Lithic Arenite		↑			
171						
172	Contains 3-5% lithic wacke frags up to 12cm. 15-20% sub-angular to sub-rounded feldspar crystals up to 4mm. Matrix is fine grained - foliation @ 65° to CA. Contains lenses of coarser grained arenite throughout. Bedding? lithic. 0.1-0.3% fine dissem py, 0.5-2% bands // albite microveinlets throughout & 0.3-0.5% ... fault & fissure @ 169.25. Indicate tops to the south. 1-3% fine dissem throughout. Section becoming more lithic-rich downhole.	0.1-0.5		0-3	3-5	0.5-2; 0; 0; 0; 0; 0; 0; 0.1-0.3; 0
173		25		0-3	4-6	0.5-1; 0; 0; 0; 0; 0; 0.3-0.5; 0.1-0.1; 0
174–176						
177	177.35 - 2cm qt vein sixon @ 65° to CA (band parallel). 0.3-0.5% aspy, 0.1-0.3% fine py	0.1-0.3		0-3	3-5	0.5-2; 0; 0; 0; 0; 0; 0; 0.1-0.3; 0
178–180			0.0 - 0.1			
181	181.6 - 181.85 - 15% qtz-carb veining as at 177.35 containing 0.3-0.5% fine py, 0.1-0.3% aspy // foliation					
182–184						
185	184.75 - 187.75 Biotite Lithic Wacke					
186	As above but matrix rich with only 5-7% lithic component. Matrix fine grained, argillite, lithic clasts composed of 3-5% flattened intermediate pebbles clasts up to 4cm, 1-2% biotite wacke frags up to 1.4 ...	0.1-0.5		0-3	3-5	0.3-0.5; 0; 0; 0; 0; 0; 0; 0.1-0.3; 0
187						
188	187.75 - 199.0 Conglomerate					
189	Matrix as in above lithic wacke, but 5-15% ... and intermediate lithic ...	0.1-0.5		0-3	3-5	0.1-0.5; 0; 0; 0; 0; 0; 0; 0.5-1%; 0
190			↓			

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
172.5	173.0	5273	0.5		20		
173.0	174.0	5274	1.0		NIL		
177.0	178.0	5275	1.0		NIL		
181.0	182.0	5276	1.0		NIL		
185.0	186.0	5277	1.0		NIL		
189.0	190.0	5278	1.0		10		

DRILL HOLE T-89-21 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE DECEMBER 20, 1989

DESCRIPTION: cg, fg, mg – coarse, fine, medium grained; diss – disseminated; sfol, mfol, wfol – strong, medium, weak foliation; qzvn – quartz vein

ALTERATION & MINERALIZATION %: d – disseminated; p – pervasive; v – veined; mv – microveined; sk – stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
190	CONGLOMERATE																					
	up to 6 cm. Rounded variably altered. 0.5-1% fg diss																					
1	py throughout. Contains 1-3% altered [illegible] frags, sub-angular																					
	[illegible] rounded up to 11 cm. 0.5-1% sub-angular grey														191.0	192.0	5279	1.0		10		
2	chert frags up to 1.0 cm. Bedding/foliation @ 58° to CA.																					
	Rare contorted qtz vein frags up to 0.1-0.2 cm [illegible]																					
3																						
4		0.1-0.5		0.3	3-5	0.5 / 0.1	0	0	0	0	0	0	0.5-1% / 0	0	193.8	194.8	5280	1.0		30		
5																						
6																						
7																						
8																						
9			0.1												198.0	199.0	5281	1.0		10		
	199.0 – 209.08 Biotite Lithic Dacite		0.0 – 0.0																			
200	As at 184.75 – 187.75 Feldspar porphyry																					
1	dacite up to 3 cm. Foliation/flattening moderate @ 60°																					
	to CA.																					
2																						
															202.0	203.0	5282	1.0		40/50		
3																						
4		0.1-0.5		0-3	3-5	0.1-0	0	0	0	0	0	0	0.1-0.5 / 0	0								
5																						
6																						
															206.0	207.0	5283	1.0		NIL		
7																						
8																						
9																						
10	209.08 – End of Hole																					

DRILL HOLE T-88-22 PROJECT TWEED

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE DECEMBER 20, 1988 PAGE 1 OF 8

AREA GRID 8
CLAIM 861033
CORE SIZE BQ

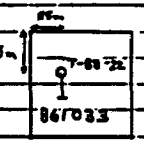
DATE STARTED DECEMBER 17, 1988
COMPLETED DECEMBER 18, 1988

CONTRACTOR DOMINIK
UNITS METRIC
COMMENTS

DEPTH | DOWNHOLE | VERTICAL
OVERBURDEN 47.25
HOLE 163.37
ELEVATION

CO-ORDINATES NORTHING 21255
EASTING L44+00W

LOGGED BY P. CASHIN
CHECKED BY Peter Cashin

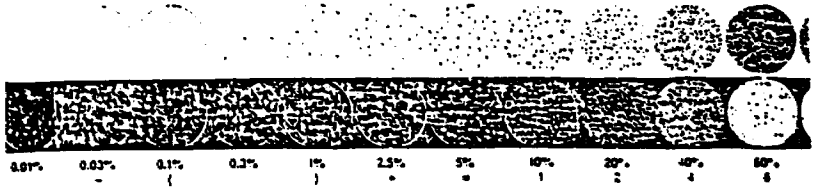


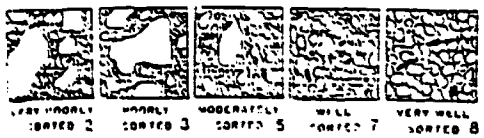
DOWNHOLE SURVEY DATA

DEPTH	AZIMUTH	TRUE DIP	INSTRUMENT
Surface		-50°	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

This hole was designed to intersect a moderate conductive feature with weak coincident magnetics. Drilling explained this feature to be due to massive pyrrhotite within a polymictic breccia at 100.28 – 100.63.





GEOLOGY SUMMARY

FROM	TO	UNIT
0.0	47.25	OVERBURDEN
47.25	88.8	Intermediate Ash Tuff / Fine Sediment
88.8	100.28	Banded Chert-Chlorite Wacke
100.28	100.63	Pyrrhotite-cemented Breccia
100.63	107.28	Banded Chert-Chlorite Wacke
107.28	134.08	BIOTITIC WACKE
134.08	134.3	Chert-Chlorite-Magnetite IF
134.3	140.37	BIOTITIC WACKE
140.37	145.51	CONGLOMERATE
145.51	148.35	BIOTITIC ARKOSE
148.35	151.18	BIOTITIC WACKE
151.18	155.0	BIOTITIC ARKOSE
155.0	162.46	Pebble to Cobble Conglomerate
162.46	163.37	BIOTITIC ARKOSE

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

ASSAY NUMBERS
5284 – 5323

DRILL HOLE T-82-22 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 20, 1980 PAGE 2 OF 8

DESCRIPTION
cg, fg, mg—coarse, fine, medium grained diss—disseminated
sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated p—pervasive v—veined mv—microveined sk—stockwork

0.0 - 47.25 - OVERBURDEN

47.25 - 88.8 Intermediate Ash Tuff / Epi. Sediment

Grey to aphanitic, pale green-grey, massive 1-3% [illegible] albite wisps, defines foliation @ 70° to CA, 1-2% grey-white qtz eyes (?) up to 2mm - 0.5-1% rounded sericitized feldspar crystals up to 2mm 0.1-0.5% py as foliation // laminated and disseminated grains

47.25 - 60.0 - Section highly oxidized and broken up. Abundant lost core.

0.3 - 0.5% qtz - albite veins + microveinlets // + oblique to foliation

Rock weakly chloritized, locally biotite

metres	% veins	Mag. sus.	Shear int. 0-10	Hardness 0-10	cal	ank	ser	tour	gf	cp	aspy	py	P
53-54	0.3-0.5	0.0	1-3	3-4	0.1-0.3	0	0.5	0	0	0	0	0	0.5

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Ag	Au ppb	Cu	Zn
50.0	51.0	5234	1.0	NIL	NIL	57	4[illegible]
53.0	54.0	5235	1.0	NIL	NIL	54	[illegible]
57.0	59.74	5236	2.74	NIL	NIL	51	61

DRILL HOLE T-88-27 PROJECT Tweed **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 20, 1988

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po
60	Intermediate Ash Tuff / Eng Sediment													
67–77		0.3-0.5	0-0.2	1-3	3-4	0.5-1	0	0.1-0.3	0	0	0	0	0	0.1-0.5
75	75.52 – 7cm section highly chloritized section w/ 1-2% f.g. py and 1-2% po in discordant stringers													
77–80	77.0 – 81.65 – Section contains 10-15% dark-green chlorite-rich bands up to 17cm wide. Contains 1-3% f.g. py; 0.5-7.0% po in band // microveinlets + veins	3-5	0.1-0.6	1-3	4-5	0.5-1%	0	0	0	0	0	0	1-2% mv	0.5-1% mv

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb		
63.0	64.0	5287	1.0	NIL	NIL	23	79
67.0	68.0	5288	1.0	NIL	NIL	57	26
71.0	72.0	5289	1.0	NIL	NIL	53	[illegible]
75.2	75.8	5290	0.6	NIL	NIL	63	24
77.0	78.0	5291	1.0	NIL	NIL	49	24
78.0	79.0	5292	1.0	NIL	NIL	72	25
79.0	80.0	5293	1.0	NIL	NIL	33	25

DRILL HOLE T-88-22 PROJECT Tweed CHEVRON MINERALS LTD DIAMOND DRILL LOG DATE December 20, 1988

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb		
80																						
1		3-5	0.1-0.2	1-3	4-5	0.1-1%	0	0	0	0	0	0	1-2%	0.5-1%	80.0	81.65	5294	1.65	NIL	10/NIL	73	36
2	81.95 – 82.35 Section contains 50% biotite/chlorite rich beds @ 63° to CA. 1-3% flattened garnet porphyroblasts up to 4mm. Flattened ∥ bedding																					
3		0.1-0.5		1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0.1-0.5								
4	84.35 – 85.5 As above but contains 0.3-0.8% po, 0.3-0.5% py as bands ∥ MV																					
5		3-5		1-3	4-5	0.1-0.5	0	0	0	0	0	0	0	0.3-0.8 MV	0.1-0.3	84.35	85.5	5295	0.65	NIL	NIL	51	3[illegible]
6	85.5 – 86.95 – Sediment composed of 50% biotite & non-biotite beds from 2mm – 1.5cm																					
7		0.3-0.5		1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0	0.3-0.5 MV,D								
8	Tuff / Sediment observed to increase in proportion of biotite rich beds.																					
9																						
90	88.8 – 107.28 Banded Chert - Chlorite Wacke															89.0	90.0	5296	1.0	NIL	NIL	23	6[illegible]
1	fg to aphanitic, dark green to grey green, banded rock comprising of alternating grey aphanitic chert layers up to 5mm (20% of section) and green chlorite/biotite rich layers (40% of section) up to 35cm. Chlorite rich layers contain from 0.5-5% flattened garnet (red-brown)																					
2																						
3	porphyroblasts up to 2mm. Proportion cherty layers increase with depth. Banding @ 62° to CA. Garnets becoming more [illegible] downhole. 0.3-0.5% po, [illegible] py [illegible] parallel [illegible]	0.1-0.5		1-3	3-4	0.1-0.5	0	0	0	0	0	0	0	0.1-0.3	93.0	94.0	5297	1.0	NIL	NIL	47	3[illegible]
4																						
5																						
6																95.5	96.5	5298	1.0	NIL	NIL	40	7[illegible]
7																96.5	97.5	5299	1.0	NIL	10	31	6[illegible]
8	97.9 – 98.25 – 40% qtz - calcite veining @ 10° to CA. 0.3-0.5% po, 0.1% py	40	0.3	1-3	[illegible]	0.4-1%	0	0	0	0	0	0	0.1	0.1-0.5	97.5	98.5	5300	1.0	NIL	NIL	21	0[illegible]
9																						
100		0.3-0.5	0.0-0.1	1-3	3-4	0.1-0.5	0	0	0	0	0	0	0	0.1-0.3	99.28	100.28	5301	1.0	NIL	NIL	24	5[illegible]

DRILL HOLE T-83-22 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 20, 1988 PAGE 5 OF 8

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzv—quartz vein

metres	Description	% Veins	Mag. Sus.	Shear Int. 0–10	Hardness 0–10	cal	ank	ser	tour	gf	cp	asp	py	Pi	From (m)	To (m)	Sample #	Width (m)		Au ppb		
100	100.28 – 100.63 – Massive pyrrhotite cemented breccia zone 70% po w/ 15% chert fragments some with [illegible], 20% [illegible] fragments up to 2 cm (Contact [illegible]) very target.	—	4.2	0	5-6	0.5-2	0	0	0	0	0	0	0	70	100.28	100.78	5302	0.5	•2	3050	50	11
101															~~100.78~~	~~101.78~~	~~5303~~	~~1.0~~	NIL	NIL	24	71
103	103.11 – 103.96 – 20-30% qtz-calcite veining @ 45° to CA 0.5-1.5% po stringers														103.0	103.5	5304	0.5	NIL	NIL	49	91
104	103.5 – 107.22 Chert constitutes 95% of section, bands separated by few [illegible] beds	0.5 - .5	0.0-0.1	1-3	4-6	0.5-0.5	0	0	0	0	0	0	0	0.1-0.3								
106															106.0	107.0	5305	1.0	NIL	NIL	68	46
107	107.22 – 134.08 Biotite Wacke																					
109	Fg to aphanitic, massive, weakly foliated, dark brown. 0.5-1% fg to vfg po as foliation // microveinlets & stringers. Upper contact gradational over 50 cm.	0.3-1%	0.0-0.1	1-3	3-4	0.5-1%	0	3	0	0	0	2	2	0.5-1% MV	109.0	110.0	5306	1.0	NIL	NIL	43	92
111	111.6 – 119.75 – Wacke moderately silicified, med grey colour. Weakly sericitic. Qtz-calcite veinlets at 10° + 20° to CA 0.5-0.5% fg po, 0.1-0.3% fg euhedral py diss throughout														111.6	112.6	5307	1.0	NIL	NIL	45	37
113		1-5%	0.3-0.4	1-3	6-8	0.5-2%	0	0.5-1%	0	0	0	0	0.1-0.3 D	0.3-0.5 D	112.6	113.6	5308	1.0	NIL	NIL	43	74
114															113.6	114.95	5309	1.35	NIL	NIL	47	74
117	117.1 – 117.3 – Section weakly sericitized moderately silicified due to 1-3% hairline qtz + qtz-calcite microveinlets w/ 0.1-0.3	0.3-2%	0.0-0.1	1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0.3-0.5 D	117.0	118.0	5310	1.0	NIL	NIL	47	41
120																						

DRILL HOLE T-88-22 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 28, 1988 PAGE 6 OF 8

DESCRIPTION: cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein

ALTERATION & MINERALIZATION %: d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork

metres	DESCRIPTION	% VEINS	MAG. SUS.	SHEAR INT. 0-10	HARDNESS 0-10	cal	chl	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb		
120	Biotitic Wacke																					
122															121.0	122.0	5311	1.0	NIL	NIL	43	30
126															125.0	126.0	5312	1.0	NIL	NIL	38	118
127		0.3-2%	0.0-0.1	1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0.1-0.3								
130															129.0	130.0	5313	1.0	NIL	NIL	55	110
132	132.59 - 5cm Fault gouge zone @ 70° to CA																					
134															133.0	134.03	5314	.03	NIL	10	52	95
134.5	134.03 - 134.8 - Chert - Chlorite - Magnetite Iron Formation - 5-10% ... @ 65° to CA - 1-2% ...	0	4-6%	0	5-7	5-7	5	5	5	5	5	0	0	0	134.03	134.8	5315	0.72	NIL	40	24	2-
135	134.8 - 140.37 - Biotitic Wacke	0.3-1%	0.0-0.1	1-3	3-4	0.5-0.8	0	0	0	0	0	0	0	0.1-0.3								
136	As at 107.22 - 134.03; 136.11 - 136.6 - 30% qtz - calcite - sericite veining @ ... CA; 0.1% (cp/py) 0.5 - 1% dissem aspy throughout country rock adjacent veins	30	4.0	0.2	5-5	5-10	0	0.5-1%	0	0	0	0.5-1%	0.1	0	136.0	136.6	5316	0.6		10		
139		0.5-1	0.0-0.1	1-3	3-4	0.5-1%	0	0	0	0	0	0	0	0.1-0.3								
140																						

DRILL HOLE T-83-22 PROJECT TWEED **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE December 20, 1983 PAGE 7 OF 8

DESCRIPTION
cg, fg, mg – coarse, fine, medium grained; diss – disseminated; sfol, mfol, wfol – strong, medium, weak foliation; qzvn – quartz vein

140.37 – 145.51 – Conglomerate

Grey to coarse grained cobble to pebble size polymictic clasts in [illegible] biotite granodiorite. Contains [illegible] chert frags up to 2.5 cm, 3-5% potassic feldspar porphyry cobbles up to 5 cm. Described in hole T-83-21 [illegible] biotite [illegible] arkose (183.36 – 184.75 m). 3-5% altered biotite wacke frags up to 9 cm. 0.1-0.3% fine py in band // microveinlets and disseminated grains.

145.51 – 148.35 – Biotite Arkose

Grey to [illegible], dark brown, massive, foliated. 10-15% [illegible] [illegible] frags up to 3 mm. 0.5-1% [illegible] calcite veinlets [illegible] 0.2% fine dissem po. Foliation @ 72° to CA.

148.35 – 151.18 – Biotite Wacke

As in 134.3 – 140.37. Upper and lower contacts gradational over 10-20 cm.

151.18 – 155.0 – Biotite Arkose

As in 145.51 – 148.35

155.0 – 162.45 – Pebble to Cobble Conglomerate

As in 140.37 – 145.51. Correlative with same unit intersected by hole T-83-21 @ 137.75 – 199.0. 5-10% grey chert frags up to 5 cm, 3-5% potassic feldspar porphyry [illegible] up to 4 cm, 10-15% biotite wacke frags up to 4 cm flattened with a 10:1 aspect ratio @ 60° to CA. 15-20% foliation // calcite microveinlets. 0.1-0.3% po in foliation // microveinlets. 0.5-3% [illegible]

Interval	% Veins	Mag. Sus.	Shear Int. 0-10	Hardness 0-10	Alteration & Mineralization %	Py
140.37 – 145.51	0.1-0.5		0-3	3-5	0.5-2; 0; 0; 0; 0; 0; 0; 0	0.1-0.3
145.51 – 148.35	0.5-1		0-3	3-5	0.2-0.5; 0; 0; 0; 0; 0; 0; 0	0-1
148.35 – 151.18	0.5-1	0.0-0.1	0-3	0.5-1	0; 0; 0; 0; 0; 0; 0; 0	0.1-0.3
151.18 – 155.0	[illegible]		1-3	3-5	[illegible]	[illegible]
155.0 – 162.45	15-20		0-3	[illegible]	[illegible]	[illegible]

SAMPLING

FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb		
140.0	141.0	5317	1.0	NIL	NIL	48	87
146.0	147.0	5318	1.0	NIL	60	39	7[illegible]
150.0	151.18	5319	1.18	NIL	NIL	57	77
154.0	155.0	5320	1.0	NIL	NIL	38	7[illegible]
157.0	158.0	5321	1.0	NIL	100 140	46	7[illegible]
158.0	159.0	5322	1.0	NIL	20	47	7[illegible]
159.0	160.0	5323	1.0	2	NIL	52	1[illegible]

DRILL HOLE T-89-22 PROJECT Tweed **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE December 20, 1989

metres	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; diss—disseminated; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein)	% VEINS	MAG. SUS.	SHEAR INT. 0–10	HARDNESS 0–10	cal	ank	ser	tour	gf	cp	aspy	py	Po	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHY
160	Pebble to Cobble Conglomerate		↑																			
1		15–	0–0.1																			
		20		0–3	3–5	10–15	0	0	0	0	0	0	0.5–0.5 mv	0.1–0.3 pv								
2																						
3	162.96–163.37 – Biotite Schist As at 145.51–143.35	0.5–1	↓	0–3	3–5	0.5–2	0	0	0	0	0	0	0	0.1								
4	163.37 – End of Hole																					
5																						
6																						
7																						
8																						
9																						
0																						

ALTERATION & MINERALIZATION %: d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork

Mining Act

Type of Survey(s): Analyses

Claim Holder(s): Chevron Minerals Ltd. 2.122

42H08NW0006 2.12293 TWEED 900

Address: #1714 - 390 Bay Street Toronto, Ontario M5H 2Y2

Survey Company: Swastika Labs

Date of Survey (from & to): 01 Day 10 Mo. 88 Yr. 31 Day 01 Mo. 89 Yr.

Total Miles of line Cut: --

Name and Address of Author (of Geo-Technical report): --

W8909-00076

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
For each additional survey using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	

RECEIVED MAR 9 1989

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Radiometric	
	Geological	
	Geochemical	

MINING LANDS SECTION RECEIVED FEB 14 1989 12:15 pm

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	780702	25
	780703	25
	780704	20
	780705	20
	780706	20
	783054	20
	790352	20
	790357	20
	790358	20
	790359	20
	796405	20
	796406	20
	796407	25
	796408	25
	796409	25
	796410	25
	796411	25
	796412	25
	796413	25
	796414	25
	796415	20
	796416	25
	796417	25

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	796418	25
	796419	25
	796420	25
	796421	25
	796422	25
	796423	25
	796424	25
	796425	25
	796426	25
	796427	25
	796428	25
	796429	25
	796430	25
	796443	25
	796444	25
	796515	25
	796516	25
	796517	25
	796518	25
	797281	20
	797282	20
	797283	25
	797284	24

Total number of mining claims covered by this report of work: 46

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s): 798681,859844,859854, ~~598679,~~798685,797293,797291,798679, 955634,955636,835831,835837,861033

Calculation of Expenditure Days Credits

Total Expenditures: $ 16,272.40 ÷ 15 = Total Days Credits: 1084

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
1084	Feb 14, 1989	Acting
	Date Approved as Recorded	Branch Director

see revised work statement.

Date: February 8/89 Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: W.E. Glenn #1714 - 390 Bay Street Toronto, Ontario M5H 2Y2

Date Certified: February 8/89 Certified by (Signature): [signature] FOR. W.E. Glenn

1382 (85/12)

Ministry of Northern Development and Mines

Ontario

Technical Assessment Work Credits

File 2.12293

Date May 5, 1989

Mining Recorder's Report of Work No. W8908-76

Recorded Holder: Chevron Minerals Ltd.

Township or Area: Tweed

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	$16,272.40 spent on analyses of samples taken from mining claims:
Electromagnetic _____ days	L 797291
Magnetometer _____ days	797293
Radiometric _____ days	798679
Induced polarization _____ days	798681
Other _____ days	798685
Section 77 (19) See "Mining Claims Assessed" column	834831
Geological _____ days	834837
Geochemical _____ days	859844
Man days ☐ Airborne ☐	859854
Special provision ☐ Ground ☐	861033
☐ Credits have been reduced because of partial coverage of claims.	955634
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	955636
	1084 days credit allowed which may be grouped in accordance with Section 76(6) of the Mining Act.

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Section
3rd Floor, 880 Bay St.
Toronto, Ontario
M5S 1Z8

Telephone: (416) 965-4888

May 5, 1989

Your file: W8908-76
Our file: 2.12293

Mining Recorder
Ministry of Northern Development and Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

Re: Data for Expenditures submitted under Section 77(19) of the Mining Act R.S.O. 1980 on Mining Claims L 797291 et al in the Township of Tweed.

The enclosed statement of assessment work credits for Expenditures has been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

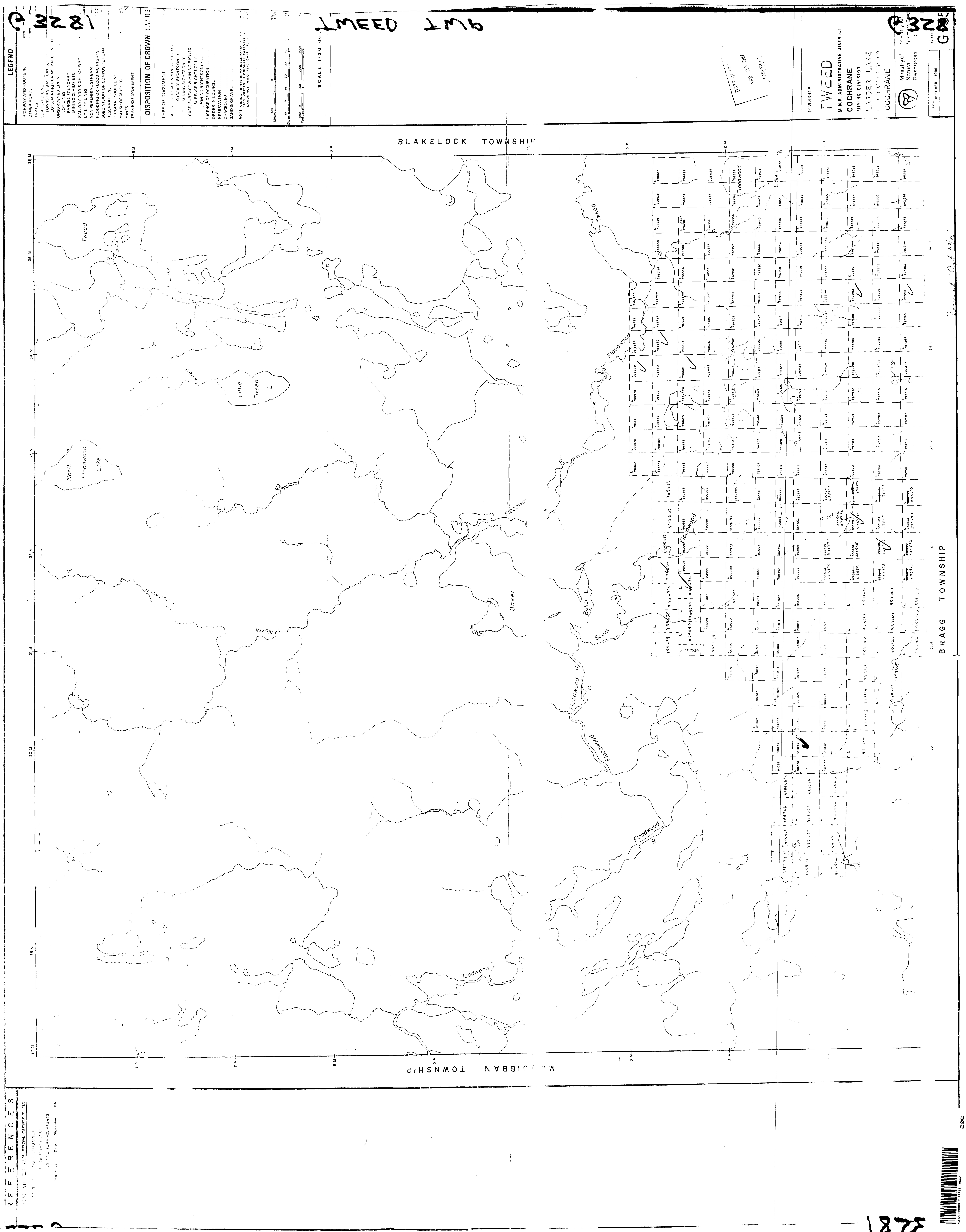
W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division

DK

DK:eb
Enclosure

cc: Resident Geologist
Kirkland Lake, Ontario

Chevron Minerals Ltd.
Toronto, Ontairo


P 3281
TWEED TWP
LEGEND
HIGHWAY AND ROUTE No.
OTHER ROADS
TRAILS
SURVEYED LINES
TOWNSHIPS, BASE LINES, ETC.
LOTS, MINING CLAIMS, PARCELS, ETC.
UNSURVEYED LINES
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC.
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON-PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT
DISPOSITION OF CROWN LANDS
TYPE OF DOCUMENT
PATENT, SURFACE & MINING RIGHTS
SURFACE RIGHTS ONLY
MINING RIGHTS ONLY
LEASE, SURFACE & MINING RIGHTS
SURFACE RIGHTS ONLY
MINING RIGHTS ONLY
LICENCE OF OCCUPATION
ORDER-IN-COUNCIL
RESERVATION
CANCELLED
SAND & GRAVEL
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.
Metres
Chains
Feet
SCALE 1:20 000
TOWNSHIP
TWEED
M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE
MINING DIVISION
LARDER LAKE
COCHRANE
Ministry of Natural Resources
Date OCTOBER 1986
P 3285
G
BLAKELOCK TOWNSHIP
BRAGG TOWNSHIP
McCUIBBAN TOWNSHIP
Tweed
Tweed L
Little Tweed L
North Floodwood Lake
Floodwood
Floodwood R
Floodwood Lake
Baker
Baker L
South
North
Floodwood
REFERENCES
1875

Baker Lake
South River
Floodwood
Tweed
Four Island Lake
Two Island Lake
Floodwood
Sock Lake
Floodwood Lake
Floodwood
Floodwood
River
TWEED
BRAGG
NEWMAN

212293

Chevron Canada Resources Limited
Minerals Staff

TWEED PROJECT

CLAIM MAP

FIGURE No.		PROJECT No. M593	
DATE	REVISIONS		SCALE
NTS No.			FILE No.
COMPILED BY			