REPORT ON WORK DONE

IN 1987 ON

THE HOLMER PROPERTY

BRISTOL TOWNSHIP

M588

by

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Chevron Minerals Ltd

NTS 42A/6

June 1988

Introduction

This report briefly describes the exploration efforts undertaken by Chevron Minerals Ltd on the Holmer Project in Bristol Township during 1987. It was in 1987 that Chevron optioned the property and consolidated all the previous data. This consisted of a number of things which included:-

1) Surveying all the old drill hole casings and set-up that could be found.

2) Calculating co-ordinates for the other drill holes which could not be found.

3) Washing the previously stripped area of the McAuley Bridge showing.

4) Cutting channel samples across the alteration zone along lines spaced about 10m apart.

5) Extending the stripping on the McAuley Bridge showing such that an area about 100 x 100m was stripped and washed.

6) Geological mapping of the initial claim group.

7) Flying a detailed magnetic and VLF survey over the southwestern part of Bristol Township.

8) Drilling 1392m of NQ core in four holes to test a model constructed from the previous drilling which was carried out over forty years and for which all the core has been lost.

Location

The property is located in the southwest corner of

Bristol Township within the Porcupine Mining Division (Fig 1). Timmins is 20km to the northeast along Highway 101 which traverses the property.

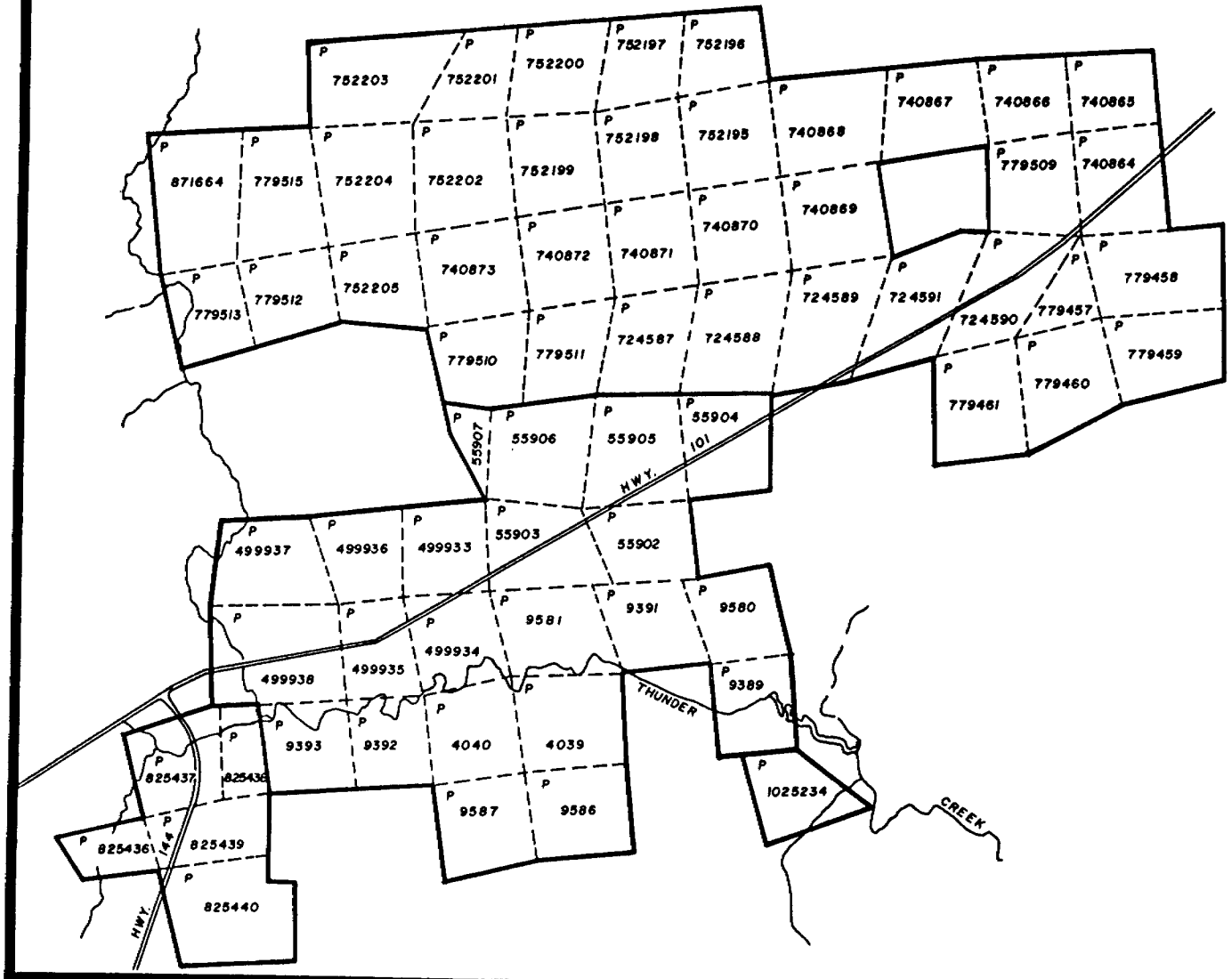
Surveying

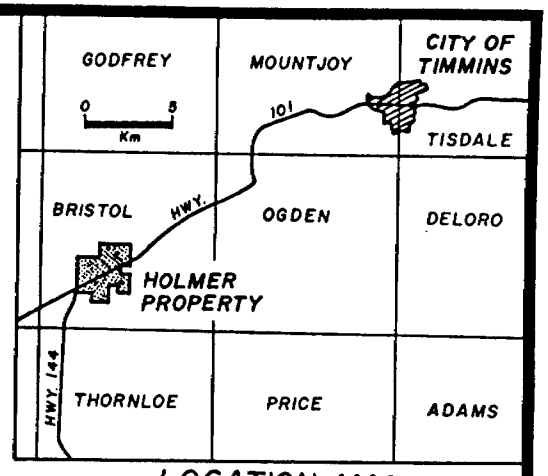
After re-establishing the boundary to claim P4040 the number 1 post was assigned arbitrary co-ordinates of 50 000m east, 80 000m north and with an elevation of 1 000m. From this point a surveyed grid was cut with cross lines running north south and tie lines running east west. Subsequently all the drill set-ups and casings located in the field were surveyed into this grid system with a theodolite. Collars which were not located were calculated based on early plans or drill co-ordinates and using those holes which were surveyed as control points. Listed below are the co-ordinates for all the early drilling.

Table 1
Drill Hole Co-ordinates

Hole	Northings	Eastings	Elevation	Surveyed
38.01	7805	5011	1010	calculated
38.02	7805	4996	1009	calculated
38.03	7805	4981	1009	calculated
39.04	7805	4966	1008	calculated
39.05	7808	4951	1008	calculated
39.06	7801	5042	1012	calculated
39.07	7832	5070	1009	calculated
39.08	7838	5105	1009	calculated
39.09	7802.27	5071.15	1012.02	surveyed
39.10	7804	4884	1008	calculated
39.11	7796.69	4883.86	1008.20	surveyed
39.12	7749.00	5014.02	1012.46	surveyed
39.13	7805	5011	1010	calculated
39.14	7808	5011	1010	calculated

HOLMER PROPERTY





LOCATION MAP

0 800
m

N

FIGURE 2 CLAIM GROUPS

Table 1 cont:

Hole	Northings	Eastings	Elevation	Surveyed
39.20	7748	5053	1015	calculated
39.21	7851	4966	1008	calculated
39.22	7683.6	5124.0	1018.7	surveyed
39.23	7701.2	5145.8	1016.8	surveyed
39.24	7701	5192	1017	calculated
39.25	7701	5222	1017	calculated
41.26	7818	4954	1008	calculated
41.27	7818	4954	1008	calculated
41.30	7831	4952	1008	calculated
41.31	7860	4947	1008	calculated
41.32	7913.54	4885.99	1006.77	surveyed
41.33	7887	4840	1007	calculated
41.34	7887	4811	1007	calculated
41.35	7860	4965	1008	calculated
41.36	7865	4985	1008	calculated
41.37	7881	5036	1008	calculated
41.38	7895	5037	1008	calculated
41.39	7880	5106	1008	calculated
41.40	7831.96	4758.68	1008.37	surveyed
41.41	7941	4866	1001	calculated
41.42	7953	4873	1002	calculated
41.43	7932	4762	1000	calculated
44.44	7903.17	4900.04	1007.21	surveyed
44.45	7912	4875	1001	calculated
44.46	7941	4845	1001	calculated
44.47	7955	4826	1001	calculated
44.48	7887	4924	1007	calculated
45.49	7870	4949	1008	calculated
45.50	7946	4818	1000	calculated
45.51	7869	4817	1008	calculated
45.52	7889	4902	1007	calculated
45.53	7874	4985	1008	calculated
45.54	7876	4717	1006	calculated

Table 1 cont:

Hole	Northings	Eastings	Elevation	Surveyed
45.55	7886	5047	1008	calculated
45.56	7885	5109	1008	calculated
45.57	7886	5078	1008	calculated
45.58	7927	5075	1008	calculated
45.59	7978	5092	1007	calculated
46.60	7921	4998	1004	calculated
46.61	7921	5132	1009	calculated
46.62	7973	4998	1000	calculated
46.63	7927	4908	1006	calculated
46.64	7888	5172	1009	calculated
46.65	7499	4410	1007	calculated
46.66	7546	4346	1010	calculated
46.67	7731	4999	1012	calculated
46.68	7714	5000	1012	calculated
46.69	7546	4488	1008	calculated
46.70	7546	4290	1015	calculated
46.71	7577	4998	1013	calculated
46.72	7817	4714	1009	calculated
46.73	7439	5000	1015	calculated
46.74	7902.41	4715.87	1000.83	surveyed
46.75	7351	5005	1015	calculated
46.76	7330	4851	1023	calculated
46.77	7878	4862	1007	calculated
46.78	7927	4938	1006	calculated
46.79	7927	4966	1005	calculated
46.80	7850	4895	1007	calculated
46.81	7877	4994	1008	calculated
46.82	7883	5262	1010	calculated
46.83	7775	5295	1020	calculated
46.84	7849	4597	1003	calculated
46.85	7841	4505	1001	calculated
46.86	7831	4384	1003	calculated
46.87	7756	5295	1020	calculated
64.01	7747.31	5009.31	1010.88	surveyed

Table 1 cont:

Hole	Northings	Eastings	Elevation	Surveyed
64.02	7778.08	5012.79	1012.11	surveyed
64.88	7937.58	4865.49	1001.32	surveyed
64.89	7916.0	4865.8	1002.0	surveyed
64.90	7891	4878	1002	calculated
64.91	7909.79	4890.29	1006.93	surveyed
64.92	7895	4913	1007	calculated
65.01	8460	4982	1009	calculated
65.93	7952	4806	1001	calculated
65.94	7936	4908	1004	calculated
67.01	8975	5585	1012	calculated
68.01	7876	4753	1007	calculated
68.02	7916.0	4706.0	1001.0	surveyed
69.01	7903.0	4722.0	1001.0	surveyed
69.02	7905.89	4722.35	1000.63	surveyed
69.03	9039	5545	1012	calculated
69.04	7815.36	4796.98	1014.50	surveyed
69.05	7815.36	4796.98	1014.50	surveyed
69.06	7794.05	4811.51	1014.67	surveyed
69.07	7794.05	4811.51	1014.67	surveyed
73.01	7793.96	4775.53	1020.30	surveyed
73.02	7836.81	4775.41	1008.63	surveyed
73.03	7870.1	4871.1	1007.3	surveyed
73.04	7808.94	4803.49	1014.13	surveyed
73.05	7794	4842	1010	calculated
73.06	7794	4848	1010	calculated
73.07	7872.4	4870.4	1007.0	surveyed
73.08	7842	4872	1008	calculated
73.09	7844	4902	1005	calculated
73.10	7828	4903	1006	calculated
73.11	7815	4935	1008	calculated
73.12	7799	4935	1008	calculated
73.13	7785.51	4967.30	1007.51	surveyed
73.14	7785	4951	1009	calculated
73.15	7756	4983	1009	calculated

Table 1 cont:

Hole	Northings	Eastings	Elevation	Surveyed
73.16	7853.97	4841.66	1008.38	surveyed
73.17	7892	4808	1006	calculated
73.18	7862.8	4857.5	1007.8	surveyed
73.19	7847	4826	1008	calculated
73.20	7831.49	4857.15	1008.66	surveyed
73.21	7858	4886	1007	calculated
73.22	7850	48879	1007	calculated
74.23	7844	4918	1004	calculated
74.24	7836	4910	1005	calculated
74.25	7818.9	4893.5	1007.0	surveyed
74.26	7807	4942	1008	calculated
74.27	7790	4929	1008	calculated
74.28	7781	4924	1008	calculated
74.29	7770	4952	1009	calculated
74.30	7802.22	4981.64	1008.88	surveyed
80.01	8587	4474	1010	surveyed
80.02	8268.4	4926.2	1007.7	surveyed
80.02a	8307.7	4930.0	1007.7	surveyed
80.03	7751.21	5058.04	1013.96	surveyed
80.04	7753.89	5042.87	1012.47	surveyed
80.05	7720	5038	1014	calculated
80.06	7749.35	5072.83	1014.32	surveyed
80.07	7718.3	5071.4	1014.3	surveyed
80.08	7785.43	5047.97	1012.17	surveyed
80.09	7775.2	5075.6	1012.1	surveyed
80.10	7779	4959	1009	calculated
80.11	7808.8	4888.4	1007.7	surveyed
80.12	7795.16	4974.54	1009.07	surveyed
80.13	7749	5108	1015	calculated
80.14	7886	4816	1007	calculated
80.15	7911.11	4820.06	1006.29	surveyed
84.01	7910.80	4709.70	1000.71	surveyed
84.02a	7935.73	4708.68	999.98	surveyed
84.03	7886.87	4701.39	1005.40	surveyed

Stripping and Channel Sampling

Initially areas within the previously stripped area were extended a little bit and washed down with fire pumps. These strips were spaced about ten metres apart across the alteration zone. Large channel samples were then cut and chiselled along these strips and some are roughly coincident with small channel samples previously collected by Holmer Gold Mines. The reason for this was to see what correlation existed between small samples that are roughly equivalent to EX core and the larger samples which are equivalent to NQ or HQ core. This correlation will be of assistance in the integration of the earlier drill assay results with the present drill results. Details of this work are given in the attached plans where the labelling system is derived from the easting co-ordinate of the south end of each cut. These are listed below together with the equivalent channel sample collected by Holmer Gold Mines:-

List of Channels

Holmer	Chevron	Co-ordinates			
		South end		North end	
M					
L					
K					
J					
I					
H	5002	7762.0N	5002.5E	7774.6N	5003.9E
G	5004	7747.5N	5004.4E	7784.0N	5007.9E
Original Trench	5014	7744.4N	5014.9E	7773.6N	5011.4E
A	5035	7766.4N	5035.8E	7786.8N	5032.2E
B	5043	7762.9N	5043.9E	7776.5N	5041.9E
	5053	7756.6N	5053.3E	7783.0N	5045.5E
C	5058	7753.6N	5058.9E	7783.1N	5055.7E
D					
	5066	7775.4N	5066.1E	7777.7N	5066.7E
	5080	7767.0N	5080.4E	7805.0N	5069.0E
X	5082	7782.8N	5082.3E	7805.3N	5082.4E

In general it can be concluded from this sampling that the earlier and smaller channels do delineate the auriferous zone but the values are typically much lower than those obtained from the larger channel samples.

The later stripping program cleared an area about 100 x 100m which is outlined on the attached geological map. This stripping showed that the mineralization transects the sediment - volcanic contact and is parallel to a mylonite zone.

Geological Mapping

Mapping as recorded on the attached map, indicates that the Main McAuley Bridge showing is located on a fold in the sediment - volcanic contact which has also been offset by later folding. The volcanic have been subdivided into two chemical suites based upon their whole rock chemistry. However it should be noted that the 'Calc Alkaline' character was inferred from surface samples, but subsequent drill core samples of the same unit have a 'Mg - Tholeiitic' character.

Airborne Geophysical Survey

Terraquest Ltd flew a detailed magnetic and VLF survey over the southwestern portion of Bristol Township on behalf of Chevron. The magnetic maps are dominated by the north trending diabase dykes and the extremely magnetic ultramafic intrusions which occur in the area. The only other features which are discernible are a number of discontinuities related to the Bristol Fault.

The VLF survey was able to pick up a number of anomalies related to the late stage faulting and the sediment volcanic contact.

Diamond Drilling

Four holes were drilled in 1987 to test a model constructed from the earlier drilling. These holes, HO87.01, HO87.02, HO87.03, and HO87.04, were drilled along one section 48+50mE. The logs, cross section, and vertical projection of the drill holes are attached.

From this drilling it can be concluded that the broad scale alteration halo around the gold mineralization is more coherent than inferred from the previous work. Also gold is closely associated with the occurrence of tourmaline and arsenopyrite, and visible gold is found in small quartz veins within the tourmaline alteration zone.

DRILL HOLE H87-01 PROJECT M588 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 3RD DEC 87 PAGE 1 OF 16

AREA BRISTOL TWP
CLAIM P4040
CORE SIZE NQ
LOGGED BY S.L.F. / C.A.S
DATE STARTED 19 NOV 87
DATE COMPLETED 26 NOV 87
CONTRACTOR BRADLEY BROS
UNITS METRIC
COMMENTS PULLED CASING

AZIMUTH
DIP
DEPTH OVERBURDEN
DEPTH HOLE 320
ELEVATION
CO-ORDINATES 48+50E 79+60N

	DOWNHOLE	VERTICAL
DEPTH OVERBURDEN	31	
DEPTH HOLE	320	

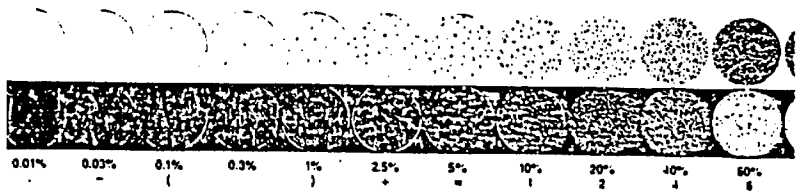
DOWNHOLE SURVEY DATA

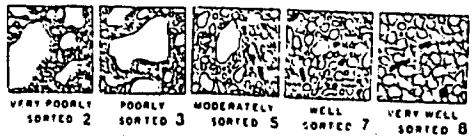
DEPTH	APPARENT DIP	TRUE DIP	AZIMUTH	INSTRUMENT
0		45	180	
31	57	49		ACID
65		52	184	SPERRY
116		52	185	
167		53	187	
218		53	183	
269		52	184	
320		51	184	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

THIS HOLE WAS SIGHTED SO AS TO TEST AN APPARENT GAP IN GOLD ASSAY RESULTS OBTAINED BY PREVIOUS OPERATORS, AND THIS MAY BE THE TOP OF THE MAIN QUARTZ / TOURMALINE ZONE.

THE HOLE INTERSECTED BRECCIATED AND SILICIFIED SEDIMENTS AT THE TOP OF THE HOLE WHICH ARE SEPARATED FROM THE LOWER SHEARED CARBONATIZED VOLCANICS BY A GRAPHITIC FAULT ZONE. WITHIN THE SHEARED VOLCANICS A SERICITIC, CARBONATE, GRAPHITE ALTERATION ZONE WAS INTERSECTED ABOVE THE ANTICIPATED POSITION OF THE MAIN QUARTZ / TOURMALINE ZONE. IN THIS ZONE PYRITE AND POSSIBLY ARSENOPYRITE ARE VERY SPARSELY DISSEMINATED.





GEOLOGY SUMMARY

FROM	TO	UNIT
0	31.0	OVERBURDEN
31.0	64.0	ARENITE WITH Qz/CAL VEINS
64.0	66.4	BRECCIA / FAULT ZONE
66.4	71.25	SHEARED VOLCANICS
71.25	77.0	SILICIFIED GRAPHITIC UNIT
77.0	167.5	SHEARED VOLCANICS
167.5	215.6	SERICITE / CARBONATE / GRAPHITE ALTERATION ZONE
215.6	311.0	SHEARED VOLCANICS
311.0	320.0	MAFIC FLOW

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

DRILL HOLE H87.01 PROJECT M588 **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE 23rd Nov 87

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; sk – stockwork

1 – 9 (metres): 0 – 31 m **OVERBURDEN**

SAND OVER BASAL GRAVEL UNIT

31.1 – 64.0 **ARENITE WITH ABUNDANT QZ/CAL VEINS**

medium to dark grey, medium to fine grained (mm – <0.25mm) granular texture, occasionally gritty appearing with some slightly coarser quartz grains; generally weak and variable foliation at 35,55° [illegible] to CA along slightly [illegible] [illegible]-rich foliation planes; [illegible] parallel to the foliation with [illegible] defined graded bedding [illegible] up hole (bedding [illegible] scale); [illegible] veins [illegible] quartz/carbonate veins occur parallel to the foliation [illegible] fragments of the [illegible] [illegible] [illegible] occurs as 0.5 – 1mm [illegible] (trace to 0.5%) [illegible] associated with quartz-carbonate veins.

METRES	% VEINS	MAG SUSC 10⁻⁶ CGS	SHEAR INTENSITY 0–10	HARDNESS 0–10	CAL	ANK	SER	TOUR	[illegible]	CP	ASPY	PY	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
32	4	0.1	5	7	5							0.3	85	31.0	31.5	80001			nil		
														31.5	32.3	80002					
33	20	0.1	2	7	3							1.0	85	32.3	33.1	80003			nil		
34	5	0.0	2	7	5							1.0	100	33.1	33.75	80004			nil		
														33.75	34.3	80005			nil		
35	10	0.1	2	7	5					tr		1.0	100	34.3	35.2	80006			nil		
36	6	0.1	2	7	5							0.3	100	35.2	35.9	80007			nil		
37	18	0.1	2	7	5							0.3	100	35.9	36.55	80008			nil		
														36.55	37.0	80009			nil		
38	20	0.1	2	7	5							1.0	100	37.0	38.0	80010			nil		
39	2	0.1	2	8	5							0.3	100	38.0	39.1	80011			nil		
40	0	0.1	2	8	5							0.3	100	39.1	39.6	80012			nil		
														39.6	40.15	80013			nil		

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 SUSC 10^{-6} CGS	SHEAR INTENSITY 0-10	HARDNESS 0-10	CAL	DOL	SER	TOUR		Cp	Aspy	Py	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
41	medium to strong silicification, 30-35% quartz veins parallel to the foliation (60° to CA); 1%-2% py aggregates and moderate silicification; 40% quartz veins.	6	0.1	2	7	5					Tr		.3	100	40.15	40.7	80014			nil		
															40.7	41.45	80015	...		nil		
2		11	0.1	2	8	10					Tr		1.0	99	41.45	42.45	80016			nil		
3		21	0.1	2	9	10					Tr		2	99	42.45	43.25	80017			nil		
4		6	0.0	2	7	3							.3	99	43.25	44.0	80018			nil		
															44.0	44.55	80019			nil		
5	Weak to moderate silicification, 15%-20% [illegible] [illegible] quartz and pale grey qtz veins which are generally [illegible] to the [illegible] [illegible]; a second set at 25°-30° to CA crosscutting [illegible] crosscut by those above; 0.5%-2.5% py [illegible] aggregates to [illegible] disseminations; trace cp; weak bleaching and alteration along some veins (sericite zonation); poor graded bedding [illegible] [illegible] and [illegible]	26	.0	2	7	3							.3	100								
															44.55	45.3	80020			nil		
6		8	.0	2	8	3							.1	100	45.3	45.95	80021			"		
7		9	.0	2	8	3							.3	100	45.95	47.0	80022			nil		
8		3	.0	2	8	2							.1	100	47.0	48.0	80023			nil		
9		31	.1	2	9	2							1.0	100	48.0	49.0	80024			nil		
50		13	.1	2	9	1							.3	100	49.0	50.0	80025			nil		
1	HIGHLY SILICIFIED BRECCIA ZONE 50.9 – angular fragments (2mm-5mm) of the above sediments in white to grey quartz; hydraulic fracture ratio the sediments; 1-3% py as granular aggregates, 1% cp as bright yellow blebs; some fragments are coarse grained (2mm quartz grains in a finer matrix); other fragments are dark grey, fine grained; weak alteration to some pink mineral – [illegible]	15	.1	2	9	3							.3	100	50.0	50.9	80026			nil		
2		60	.0	0	10	5					sk 2		.3	100	50.9	51.6	80027			nil		
															51.6	52.55	80028			10/nil		
3		85	.0	0	10	10					.3		.3	100	52.55	53.0	80029			5		
4		80	.0	0	10	<1					1		.3	100	53.0	54.0	80030			nil		
															54.0	54.35	80031			nil		
5		35	.0	1	8	<1					tr		tr	100	54.35	54.9	80032			nil		
6	Sediments alternating with brecciated, highly silicified sediments?	7	.0	0	7	<1							.3 mv	100	54.9	56.0	80033			nil		
7		17	.1	0	10	1					.3		.3	100	56.0	56.75	80034			5		
															56.75	57.25	80035			nil		
8		38	.1	0	9	<1							.3	100	57.25	57.5	80036			nil		
															57.5	58.0	80037			nil		
9		70	.1	0	9	<1							.1	30	58.0	58.75	80038					
60		75	.1	0	10	1							.1	70	58.75	59.8	80039			nil		

DRILL HOLE 87-01 PROJECT M588 **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE

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

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

METRES	DESCRIPTION	% VEINS	MAG SUSC 10^{-6} CGS	SHEAR INTENSITY 0–10	HARDNESS 0–10	CAL.	ANK	SER	TOUR	QZ	CP	ASPY	PY	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
61		100	.0	0	10	<1							.1	100	59.8 60.2	60.2 61.4	80040 80041			20/20		
2		100	.0	0	10	<1							.1	100	61.4	62.0	80042			5		
3		80	.0	2	9	<1				3	1		.3	40	62.0	63.0	80043			5		
4	— 64.0 —	6	.0	2	9	<1				3			1	75	63.0	64.0	80044			nil		
5	BRECCIA / FAULT ZONE dark grey to black, very fine grained; mod. to strong fol. at 50–55°	4	.0	7	9	<1				10	Tr		1	55	64.0 65.0	65.0 65.3	80045 80046			nil		
6	to C.A. along black chlorite/graphite slip planes, some brecciated ... to 1–5mm ... qtz veins ... brecciated veins? — 66.4 —		.0	2	4	15				10				50	65.3	66.4	80047					
7	SHEARED VOLCANIC medium green, fine to medium grained (0.25–0.5mm), moderately sheared		.0	4	5	20								100	66.4	67.0	80048					
8	at 45° to 50° to C.A. along chlorite, carbonate slip planes; suggestion of ... planes; moderately calcitized; mod. to strong	16	.0	5	5	20							.3	100	67.0	67.75	80049					
9	HCl reaction, carbonate as irregular ... to 5mm veins, also pervasive carbonate, some 1mm–5mm quartz veins parallel	11	.0	5	5	20								100	67.75	68.85	80050					
70	to the foliation, trace ... — 70.0 —	11	.0	4	5	15								100	68.85	70.0	80051					
1	gradational contact	11	.0	7	5	15				3				100	70.0	71.25	80052					
2	— 71.25 — SILICIFIED GRAPHITIC UNIT dark grey to black; sometimes a faint bluish cast; fine to very fine	18	.1	10	5	3				3			.3	100	71.25	72.0	80053					
3	grained (0.25mm and less), moderate to strong foliation at 55° to 60° to C.A. along chlorite/carbonate/graphite slip planes;	8	.0	10	5	3				5		Tr		100	72.0	73.0	80054					
4	banding often folded and contorted, ... with foliation at 0°–15° to C.A.; hairline carbonate veins with associated	17	.1	7	8	<1				5			.1	55	73.0	74.0	80055					
5	py (trace to 0.5%) generally parallel to the foliation; some irregular quartz veins with some epidote present, fairly	10	.1	8	8	<1				10			Tr	100	74.0	75.0	80056					
6	sharp lower contact (65° to C.A.)	4	.1	[illegible]	6	<1				10				85	75.0	76.0	80057					
7	— 77.0 —	6	.0	5	7	3				10				100	76.0	77.0	80058					
8	SHEARED VOLCANICS medium to pale green, generally mod. to weak foliation at	2	.0	5	5	15				5				100	77.0	78.07	80059					
9	45° to 60° to C.A. along chlorite/carbonate planes, some sections have the foliation at 0° to C.A. other sections	7	.0	3	4	20								80	78.07	79.0	80060					
80	have a very contorted foliation, normally fine to	12	.0	3	5	15								40	79.0	80.0	80061					

DRILL HOLE 87-1 PROJECT MSR2

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE

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

SAMPLING

METRES	Vol % Vein	Mag Susc (SI x 10⁻³)	Specific Gravity (g/cm³)	Hardness (Mohs)	Chl	Ser	Sil	Feld	Py	Cp	Anhy	Dy	% Recovery	From (m)	To (m)	Sample #	Width (m)	Au ppb	Au oz/t	CHK
101	6	.0	6	3	10				3				100	100.0	101.0	Sec 52				
2		.1	8	5	5									101.0	102.0	Sec 53				
3		.1	8	5	5	20								102.0	103.0	Sec 54				
4	5	.0	8	5	5	20								103.0	104.0	Sec 55				
5		.0	8	5	5	20								104.0	105.0	Sec 56				
6	4	.0	8	5	5	20								105.0	106.0	Sec 57				
7	3	.1	8	5	5	15								106.0	107.0	Sec 58				
8	2	.0	8	5	5	20								107.0	108.0	Sec 59				
9	1	.0	8	5	5	15								108.0	109.0	Sec 60				
110	1	.1	8	5	5	15								109.0	110.0	Sec 61				
1	3	.2	8	5	5	15								110.0	110.85	Sec 62				
2	2	.1	8	5	5	20								110.85	112.0	Sec 63				
3	1	.1	8	5	5	15								112.0	113.0	Sec 64				
4	3	.1	8	5	5	15								113.0	113.4	Sec 65				
5	20	.1	8	5	5	15								113.4	114.0	Sec 66				
6		.2	8	5	5	15								114.0	115.0	Sec 67				
7	4	.1	8	5	5	15								115.0	116.0	Sec 68				
8	2	.2	8	5	5	15								116.0	117.0	Sec 69				
9	3	.1	8	5	5	15								117.0	118.0	Sec 70				
120	5	.1	8	5	5	15								118.0	119.0	Sec 71				

DRILL HOLE [illegible] PROJECT [illegible] **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 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 sk—stockwork

METRES

141 SHEARED VOLCANICS

2

142.? – 142.? m [illegible]
[illegible] 137.2 m

3

143.? – 143.? m [illegible]

4

144.15 2 cm [illegible]
[illegible] / [illegible]
144.85 – 144.?? [illegible]

5

6

14?.? – 145.1 [illegible]
14?.5 foliation 45° to C.A.

7

8

9

149.?? – 149.17 m } [illegible] qz/[illegible] veins
149.37 – 149.45 m }

150

1

2

3

153.5? – 153.5?m vein of [illegible]
[illegible]

4

154.27 – 154.40 m ? fine grained [illegible]
[illegible] to foliation
154.40 – 154.76 – vein as at 153.57m

5

6

7

8

158.5 m foliation 60° to C.A.

9

160

% vein	[illegible]	[illegible]	[illegible]	CAL	ANK	SER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	[illegible]
1	.1	5	5	15								100	140.0	141.0	50123					
2	.2	[illegible]	[illegible]	20								100	141.0	142.0	50124					
3	.1	5	5	15							1	97	142.0	143.0	50125					
2	.2	6	5	20								100	143.0	144.0	50126					
2	.1	7	5	20								100	144.0	145.0	50127					
2	0	7	5	15								100	145.0	146.0	50128					
2	0	7	5	15							5v	100	146.0	147.0	50129					
3	.1	7	5	15							.11	100	147.0	148.0	50130					
1	.2	7	5	15							5v	97	148.0	149.0	50131					
11	.1	7	5	25								100	149.0	150.0	50132					
1	.1	7	5	15								100	150.0	151.0	50133					
2	.1	7	5	15								100	151.0	152.0	50134					
3	0	7	5	15							1 D MV	100	152.0	153.0	50135					
11	.1	7	5	15							2 D MV	100	153.0 154.31	154.31 154.76	50136 50137					
35	.3	7	7	15								100								
1	.2	7	5	10							2 D MV	100	154.75	156.0	50138					
16	.2	7	5	10								100	156.0	157.0	50139					
2	.1	6	5	10								95	157.0	158.0	50140					
2	.2	6	5	10								100	158.0	159.0	50141					
1	.2	6	5	10								[illegible]	[illegible]	[illegible]	50142					

DRILL HOLE 1187-01 PROJECT 1585

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE

METRES	DESCRIPTION cg, fg, mg—coarse, fine, medium grained; diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein	% VEIN	MAG SUS	SHEAR INTENSITY 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated, mv—microveined, p—pervasive, v—veined, sk—stockwork) CARB	HEM	SER	TOUR	QZ	CP	ASPY	PY	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
181	SERICITE / CARBONATE / GRAPHITE ALTERATION IN VOLCANICS	14	.1	8	4	25		3					1 D	100	180.0	181.0	80163			30		
2	180.5 - 181.1 IRREGULAR QUARTZ VEINS ASSOCIATED WITH A ZONE OF STRONG SERICITE ALTERATION	3	0	8	3	30		3					1 D	100	181.0	182.0	80164			nil/355		
3	WHICH HAS BEEN DISRUPTED	3	0	8	3	25		5					1 D	100	182.0	183.0	80165			nil		
4	183.0 - 186.0m FINE TEXTURED LAMINATIONS PARALLEL TO FOLIATION WITH INTENSE	3	0	10	4	30		15					.3 D	100	183.0	184.0	80166			nil		
5	SMALL SCALE FOLDING ... TREND IS PARALLEL TO C.A.	6	0	10	3	30		10					.1 D	100	184.0	185.0	80167			5		
6	185.1 - 185.9 SEVERAL SMALL ZONES OF INTENSE SERICITE / CO2 ALTERATION ASSOCIATED WITH 2mm	3	.1	10	3	25		10		\			.03 D	100	185.0	186.0	80168			30		
7	QZ VEINS AT 55° TO C.A.	1	.1	7	3	25		5		\	Tr		.03 D	100	186.0	187.0	80169			nil/60		
8	188.1 - SAME FINE TEXTURAL STRUCTURE	2	.1	7	3	25		3		\			.03 D	100	187.0	188.0	80170			nil		
9	AS AT 183.0m BUT VARIES FROM 45° TO PARALLEL TO C.A. REPEATEDLY	0	.1	10	3	25		2		\			3 D	100	188.0	189.0	80171			nil		
190		0	.1	10	3	25		2		.			1 D	100	189.0	190.0	80172			nil		
1		1	.1	10	3	30		2		.			.3 MV	100	190.0	191.0	80173			20		
2		1	.1	7	4	25		3		\			.03 D	98	191.0	192.0	8017-			nil/130		
3		3	.1	7	3	30		5					.3 D	100	192.0	193.0	80175			30		
4		0	.1	8	3	30		3					.1 D	100	193.0	194.0	80176			nil		
5		1	0	7	3	30		3		.			2 P	100	194.0	195.0	80177			nil		
6		1	0	9	3	25		3		\			2 D	100	195.0	196.0	80178			nil		
7	197.3 - ZONE OF INTENSE SERICITE/CO2	1	0	6	3	30		3		\			1 D	98	196.0	197.0	80179			nil		
8	ALTERATION ... AT ... TO C.A.	1	.1	10	5	30		10		\			.01 D	100	197.0	198.0	80180			nil		
9		0	.1	7	4	30		3		\			1 D	100	198.0	199.0	80181			nil		
200		0	0	7	4	30		1		\			.03 D	100	199.0	200.0	80182			nil		

DRILL HOLE H87-01 PROJECT M595 **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE

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

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

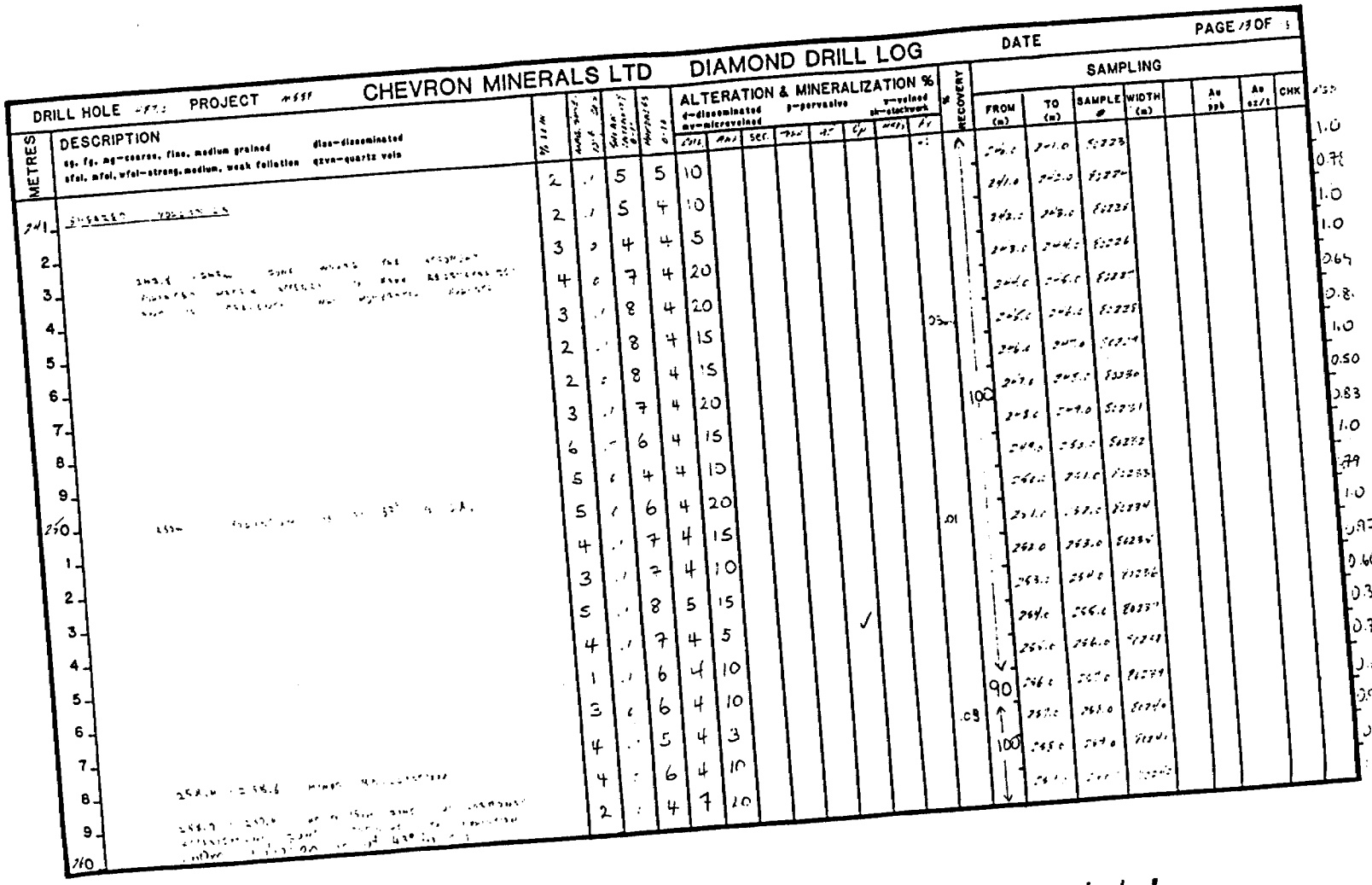
METRES	DESCRIPTION	% VEIN	Mag Sus	[illegible]	[illegible]	SIL	ANK	SER	[illegible]	[illegible]	[illegible]	[illegible]	PY	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
201	[illegible] / [illegible] [illegible] VOLCANICS	1	.1	7	4	30		5		✓			$.03^{d}$	98	200.0	201.0	50183			NIL		
2		2	.1	8	4	30		5		✓			2^{d}	100	201.0	202.0	50184			NIL		
3		2	.1	9	4	30		10		✓			1^{D}	95	202.0	203.0	50185			NIL		
4		4	0	9	4	30		5		✓			1^{D}	95	203.0	204.0	50186			[illegible]		
5	205m FOLIATION / LAMINATION AT 35° TO C.A.	5	.1	7	4	20		1		✓			$.3^{d}$	95	204.0	205.0	50187			NIL		
6		3	.0	6	4	30		3		✓			$.3^{D}$	97	205.0	206.0	50188			NIL		
7		1	.0	8	4	30		3		✓			—	98	206.0	207.0	50189			20		
8		2	.1	9	4	30		5		✓			$.03^{d}$	100	207.0	208.0	50190			NIL		
9		3	.1	7	4	20		2		✓			$.01^{d}$	100	208.0	209.0	50191			NIL		
210	210m FOLIATION / LAMINATION AT 45° TO C.A.	1	0	8	4	20		5		✓			$.01^{D}$	98	209.0	210.0	50192			NIL		
1		3	.1	8	4	20		3		✓			.01	95	210.0	211.0	50193					
2		2	.1	8	4	20		10		✓			.03	98	211.0	212.0	50194					
3		4	.1	8	4	20		3		✓			1	100	212.0	213.0	50195					
4	214.0 – 214.55m A NUMBER OF QZ VEINS WITH [illegible] [illegible] [illegible] PARALLEL [illegible] TO [illegible] TO FOLIATION [illegible]	4	.1	8	4	20		10		✓			.03	100	213.0	214.0	50196					
5		19	.1	9	5	20		15	2	✓			.3mv	100	214.0	215.0	50197					
6	215.6 – 311.0m SHEARED VOLCANICS [illegible] FINE TO MEDIUM [illegible] [illegible] [illegible] [illegible] FINE – MEDIUM GRAINED CARBONATE, [illegible]	3	.1	8	4	15		5					—	100	215.0	216.0	50198					
7		1	.1	8	5	20		1					1	100	216.0	217.0	50199					
8		1	.0	8	5	15							.3	100	217.0	218.0	50200					
9		4	[illegible]	8	6	10							.3	[illegible]	218.0	[illegible]	50201					
220	220m [illegible] C.A.	2	[illegible]	8	6	[illegible]							.1	[illegible]	[illegible]	[illegible]	[illegible]					

DRILL HOLE 87-01 PROJECT M555 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE PAGE 2 OF 16

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—microveinined p—pervasive v—veined sk—stockwork

METRES	DESCRIPTION	% VEIN	MAG SUSC.	SILICA INTENSITY	HARDNESS	CAL	GAR	SER	TOUR	PY	CP	ASPY	PY	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
221	SHEARED VOLCANICS	4	0	8	6	10							.03	95	220.0	221.0	80213					
2		6	.1	6	5	10								95	221.0	222.0	80214					
3		2	0	5	5	2								100	222.0	223.0	80215					
4		2	0	4	5	2								90	223.0	224.0	80216					
5		3	0	4	4	1		1						100	224.0	225.0	80217					
6		0	0	4	4	1								95	225.0	226.0	80218					
7		6	.1	7	5	5								100	226.0	227.0	80219					
8		2	.1	6	4	15							.03	100	227.0	228.0	80220					
9		10	0	6	4	15							.01	95	228.0	229.0	80221					
230		4	.1	6	4	20							.01	95	229.0	230.0	80222					
1	231m FOLIATION 55° TO C.A.	4	0	2	4	20		2					.01	90	230.0	231.0	80223					
2	232.2-232.8m SERICITE, CARB VNTS, SERICITE ALTERATION ZONE AT 157.5m	1	0	2	4	25		3		✓			.03	95	231.0	232.0	80224					
3		3	0	2	4	25		5		✓			.01	95	232.0	233.0	80225					
4		2	.1	7	4	20		3		✓			.01	95	233.0	234.0	80226					
5		1	.1	7	4	20		2					.01	100	234.0	235.0	80227					
6		3	0	6	5	25							.01	98	235.0	236.0	80228					
7		2	.1	5	4	15							.01	95	236.0	237.0	80229					
8		4	.1	7	4	10							.01	98	237.0	238.0	80230					
9		5	.1	6	4	10							.01	95	238.0	239.0	80231					
240		2	.1	7	4	15							—	95	239.0	240.0	80232					



CHEVRON MINERALS LTD DIAMOND DRILL LOG

DRILL HOLE PROJECT DATE PAGE OF

METRES | DESCRIPTION (sg, fg, mg–coarse, fine, medium grained; sfol, mfol, wfol–strong, medium, weak foliation; diss–disseminated; qzvn–quartz vein) | % Lith | Alteration (d–disseminated, av–microveined, p–pervasive, v–veined, st–stockwork) | % Recovery | SAMPLING: FROM (m) | TO (m) | SAMPLE # | WIDTH (m) | Au ppb | Au oz/t | CHK

DRILL HOLE 457-21 PROJECT A555

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE

PAGE 16 OF 1[illegible]

DESCRIPTION

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

SHEARED VOLCANIC

300.06 - 300.5m more massive sections have the appearance of a fine to med. grain volcanic flow.

302.0 - 302.2m similar to 300.06m

302.54 - 302.59m same as 299.11m

311 - 320m MAFIC VOLCANIC FLOW

PALE GREEN, MEDIUM TO FINE GRAINED (<1mm) WITH A [illegible] [illegible] AND LOCAL ZONES OF STRONGER SHEARING ASSOCIATED WITH CALCITE VEINS AS ABOVE. GRADATIONAL CONTACT WITH OVERLYING UNIT.

320m END OF HOLE

METRES	% vein	Mag. sus.	Shear intensity 0-10	Hardness 0-10	Chl	Hem	Ser	Tour	[illegible]	[illegible]	Asp	Py	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
301	0	0.0	3	5	2								^	300.0	301.0	8C283					
2	1	0.0	4	5	2							.01		301.0	302.0	8C254					
3	2	0.1	4	5	3									302.0	303.0	8C285					
4	1	0.2	5	5	5									303.0	304.0	8C256					
5	2	0.1	5	5	10									304.0	305.0	8C257					
6	7	0.0	6	5	15									305.0	306.0	8C258					
7	2	0.0	4	6	5								100	306.0	307.0	8C259					
8	3	0.1	4	5	5									307.0	308.0	8C270					
9	2	0.1	4	5	10									308.0	309.0	8C271					
310	2	0.1	5	5	5							.01		309.0	310.0	8C272					
1	5	0.0	4	5	5									310.0	311.0	8C273					
2	2	0.1	3	5	3									311.0	312.0	8C274					
3	0	0.1	3	5	2								↓	312.0	313.0	8C295					
4	3	0.0	4	5	1								95	313.0	314.0	8C296					
5	2	0.1	3	5	1								↑	314.0	315.0	8C297					
6	3	0.1	3	5	2									315.0	316.0	8C298					
7	1	0.2	3	5	1								100	316.0	317.0	8C299					
8	2	0.2	5	5	3									317.0	318.0	8C300					
9	3	0.0	4	6	3								↓	318.0	319.0	8C301					
320	4	0.1	4	5	5								90	[illegible]	[illegible]	[illegible]					

DRILL HOLE #87-02 PROJECT M588 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE PAGE OF

AREA BRISTOL Twp
CLAIM P4040
CORE SIZE NQ
LOGGED BY SLF
DATE STARTED 26 NOV 87
DATE COMPLETED 2 DEC 87
CONTRACTOR BRADLEY BROS
UNITS METRIC
COMMENTS

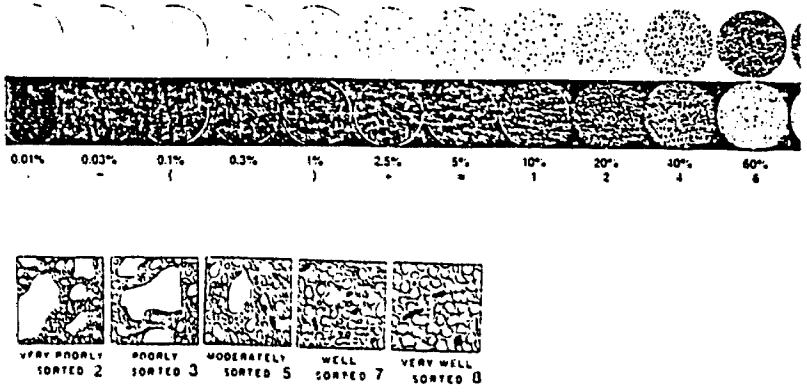
AZIMUTH
DIP
DEPTH OVERBURDEN
HOLE
ELEVATION
CO-ORDINATES

	DOWNHOLE	VERTICAL
	40	
	281	
	48→50E	
	79→95N	

DOWNHOLE SURVEY DATA

DEPTH	APPARENT DIP	TRUE DIP	AZIMUTH	INSTRUMENT
0		45	183	
40	57	49		ACID
55		51	185	SPERRY
115		51	187	
160		50	188	
220		48	187	
250		47	188	
280		46	188	

DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS



GEOLOGY SUMMARY

FROM	TO	UNIT
0	40.0	Overburden
40.0	95.0	Arenite/Wacke
95.0	209.0	Sheared Volcanics
209.0	217.4	Carb./Ser./Graphite Zone
217.4	229.05	Qtz/Carb./Ser/Tour. Zone
229.05	238.72	Tourmaline/Carb Zone
238.72	252.0	Carb/Ser/Graphite Zone
252.0	281.0	Sheared Volcanics.
281		E.O.H.

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

DRILL HOLE H87.02 PROJECT M588 **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE PAGE 1 OF 12

METRES	DESCRIPTION cg, fg, mg – coarse, fine, medium grained; diss – disseminated wfol, mfol, sfol – strong, medium, weak foliation; qzvn – quartz vein	% PYRR	MAG. SUSC. 10⁻³ CGS	SHEAR INTENSITY 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d – disseminated, mv – microveined, p – pervasive, v – veined, sk – stockwork): CAL	ANH	SER.	TOUR	qz	cp	ASPY	py	% RECOVERY	SAMPLING: FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
	0 – 40 m OVERBURDEN SAND OVER BASAL GRAVEL																					
41	40.0 – 95.0m Arenite / Wacke – med. to dark grey, variably fine to med. grain (0.25-1mm), weakly foliated parallel to bedding planes at 60° to 65° to c.a.. Numerous qtz-carbonate veins discordant to foliation/bedding (1mm to 20cm), occassionally show brecciation and recrystallization as noted below. Numerous, but minor, calcite veinlets (hairline to 1mm) discordant to foliation and parallel to foliation along slip planes.	0	0	1	5	0									50	40.0	41.0	80303					
2		0	.1	1	5	0									35	41.0	42.0	80304					
3		1	0	1	5	1									55	42.0	43.0	80305					
4		3	.1	1	8	1									45	43.0	44.0	80306					
5		10	.1	1	8	1									60	44.0	45.0	80307					
6		2	.1	1	7	1								.03	95	45.0	46.0	80308					
7		2	0	2	7	1								.1	95	46.0	47.0	80309					
8	47.7 – 51.4m – unit has a "sandy" appearance on cut surfaces. Grain size predominatly 1mm	1	0	2	5	2									98	47.0	48.0	80310					
9		0	0	3	6	2								.01	98	48.0	49.0	80311					
50	50m foliation is 62° to c.a.	2	0	2	6	2								.3	95	49.0	50.0	80312					
1		1	0	2	6	2								.3	98	50.0	51.0	80313					
2		16	0	2	6	2								1	75	51.0	52.0	80314					
3		9	0	1	7	2								.3	90	52.0	53.0	80315					
4		2	.1	2	7	2								.3	95	53.0	54.0	80316					
5		1	0	2	7	3								.3	95	54.0	55.0	80317					
6	56.2m bedding plane 72° to c.a., beds 1-2cm thick	2	0	2	6	5								.3	98	55.0	56.0	80318					
7		13	0	1	7	2								.3	95	56.0	57.0	80319					
8	58.3 – 58.6m qtz-carbonate vein discordant to foliation with brecciated frogments of host rock in vein	5	0	2	7	1								.1	98	57.0	58.0	80320					
9		29	0	1	7	3								.3	100	58.0	59.0	80321					
60	60m foliation is 63° to c.a.	6	.1	2	6	2								.3	100	59.0	60.0	80322					

DRILL HOLE H87-12 PROJECT M588 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE PAGE 2 OF 12

METRES	DESCRIPTION cg. fg. mg—coarse, fine, medium grained diss—disseminated sfol, mfol, wfol—strong, medium, weak foliation qzvn—quartz vein	% vein	mag. susc. 10⁻³ cgs	shear intensity 0-10	hardness 0-10	ALTERATION & MINERALIZATION % d—disseminated mv—microveined p—pervasive v—veined sk—stockwork chl	ank	ser.	trem	qtz	cp	asp	py	RECOVERY %	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
61	Arenite/Wacke 60.85 - 61.05m qtz-carbonate vein similar to 58.3m	16	5	2	6	2							.3	95	60.0	61.0	80323					
2		4	0	2	6	1							.1	95	61.0	62.0	80324					
3		13	0	2	7	1							.03	95	62.0	63.0	80325					
4		5	0	4	7	2							1mv	95	63.0	64.0	80326					
5		3	0	2	7	1							.3	95	64.0	65.0	80327					
6		8	0	2	7	2							.1	95	65.0	66.0	80328					
7		9	0	1	8	1							.1	70	66.0	67.0	80329					
8		5	0	2	7	2							.1	90	67.0	68.0	80330					
9		3	.1	1	7	2					.01		.3	100	68.0	69.0	80331					
70	70m foliation is 61° to c.a.	1	0	2	7	2							.3	100	69.0	70.0	80332					
1		22	0	1	7	2							.3	100	70.0	71.0	80333					
2	72.4 - 72.7m qtz-carbonate vein, coarse grain similar to 58.3m	17	0	1	7	1							.3	100	71.0	72.0	80334					
3		34	0	0	8	2							.1	100	72.0	73.0	80335					
4	74.2 - 74.4m qtz-carbonate vein, similar to 58.3m	15	0	0	8	3							.3	100	73.0	74.0	80336					
5	75.76 - 75.79m Conglomerate, grey polymictic consisting of beige and brown subangular lithic fragments (.5 - 7mm) and subrounded qtz grains (.5 - 1mm) in a fine grain matrix Matrix supported	50	0	1	8	3							.3	100	74.0	75.0	80337					
6		21	0	1	7	1							.1	100	75.0	76.0	80338					
7		8	0	0	7	1							.03	100	76.0	77.0	80339					
8	76.4m Bedding planes at 62° to c.a., beds (.5 - 8cm), possible graded bedding younging up hole ?	51	0	1	8	5				?	.01		.3mv	85	77.0	78.0	80340					
9	77.2 - 79.6m qtz-carbonate vein, coarse grain with grey patches throughout possibly graphite	11	0	1	7	2							1	95	78.0	79.0	80341					
80	80m foliation is 68° to c.a.	5	0	1	7	1							.1	95	79.0	80.0	80342					

DRILL HOLE #87-02 PROJECT Mess

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE

DESCRIPTION

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

METRES	DESCRIPTION	% MIN	MAG. SUSC. 10⁻³ SI	SILICIF. INTENSITY 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % d – disseminated mv – microveined p – pervasive v – veined sk – stockwork: BAL	ANK	SER.	TOUR	GT	Q	ASPY	PY	% RECOVERY	SAMPLING: FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
81		20	0	2	7	2							.3 0.3m	95	80.0	81.0	80343					
2	82.4 – 95.0m zone of brecciation and qtz flooding, veins of qtz-carbonate (2mm – 20cm) contain brecciated host rock fragments. Blocky ground	14	0	1	7	1							.1	95	81.0	82.0	80344					
3		28	0	0	8	1							1	95	82.0	83.0	80345					
4	84.85m Grading bedding, younging up hole (bed thickness 1mm to 1.5cm), fine gr. wacke bedding is 70° to c.a.	26	0	0	8	1					.01		.3	95	83.0	84.0	80346					
5		3	0	0	8	1							.03	95	84.0	85.0	80347					
6		22	0	0	8	–							.03	95	85.0	86.0	80348					
7		16	0	0	8	1					.01		1	95	86.0	87.0	80349					
8	89.0 – 94.55m Microbreccia – sedments are highly brecciated and qtz flooded with numerous qtz veins (up to 2cm). Fragments are angular, light grey and intensely silfied.	28	.1	0	7	1							.1	95	87.0	88.0	80350					
9		12	.1	0	8	1							.3	90	88.0	89.0	80351					
90		60	0	0	10	1							.3	90	89.0	90.0	80352					
1		85	0	0	10	1							1	95	90.0	91.0	80353					
2		85	0	0	10	1							.1	85	91.0	92.0	80354					
3		55	0	0	8	2							.1	60	92.0	93.0	80355					
4	94.55 – 95.0m Sediment fault breccia, subrounded qtz-fragments in a fine grain matrix	40	0	0	8	1							.01	60	93.0	94.0	80356					
5	95.0 – 209.0m Sheared Volcanics –	12	0	0	6	5							.03	60	94.0	95.0	80357					
6	95.0 – 95.35m Volcanic fault breccia – olive green subrounded fragments (up to 1cm) in a darker matrix	3	0	6	4	20		.01					.01	95	95.0	96.0	80358					
7	95.35 – 96.0m Volcanics are sheared and weakly brecciated with numerous white irregular qtz-calcite veinlets (hairline to 5mm)	6	0	5	5	15							.03	95	96.0	97.0	80359					
8		7	.1	5	5	10							.01	95	97.0	98.0	80360					
9	– Pale to olive green, fine gr. (<0.5mm), numerous qtz-calcite veinlets (hairline to 1cm) define a weak to moderate foliation. Also numerous irregular	6	0	3	5	10							.01	10	98.0	99.0	80361					
100		2	.1	4	5	3							.01	10	99.0	100.0	80362					

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DRILL HOLE H97.02 PROJECT A558 DATE

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, sk—stockwork

METRES / Description:

Sheared Volcanics

101 — qtz-calcite veinlets cut foliation

116 — 116m Foliation 75° to c.a.

% Vein	Mag. Susc. 10⁻⁴ CGS	Shear Intensity 0-10	Hardness 0-10	Cal	Ank	Ser.	Tchr	Gt	Op	Aspy	Py	% Recovery	From (m)	To (m)	Sample #	Width (m)		Au ppb	Au oz/t
6	0	3	5	20							.01	100	100.0	101.0	50363				
3	.1	3	5	10							.01	96	101.0	102.0	50364				
8	.1	4	5	10							.01	95	102.0	103.0	50365				
5	.1	4	5	5							.03	98	103.0	104.0	50366				
4	.1	4	6	15							.01	100	104.0	105.0	50367				
4	.2	4	5	15							.01	100	105.0	106.0	50368				
13	.1	3	5	5							.01	100	106.0	107.0	50369				
3	0	4	5	5							—	100	107.0	108.0	50370				
—	0	3	5	5							.01	100	108.0	109.0	50371				
—	0	2	5	2							—	100	109.0	110.0	50372				
3	0	5	5	5							.03	90	110.0	111.0	50373				
2	0	4	5	5							.03	85	111.0	112.0	50374				
2	.1	3	5	5							.01	95	112.0	113.0	50375				
4	.1	3	5	10					✓		.3	75	113.0	114.0	50376				
5	.1	4	5	10							.01	85	114.0	115.0	50377				
3	.1	5	5	15							.01	85	115.0	116.0	50378				
4	.1	4	5	5							1	95	116.0	117.0	50379				
5	.1	5	6	10							.01	95	117.0	118.0	50350				
6	0	4	5	20							—	95	118.0	119.0	50351				
7	0	3	5	5					✓		.01	100	119.0	120.0	50352				

DRILL HOLE #87-02 PROJECT m655 **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE PAGE 6 OF 12

METRES	DESCRIPTION (sg, fg, mg–coarse, fine, medium grained; dise–disseminated; grve–grayvein; sfol, mfol, vfol–strong, medium, weak foliation; qzve–quartz vein)	% VEIN	MAG. SUSC. 10⁻⁶ cgs	SHEAR WT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d–disseminated, nv–microveined, p–pervasive, v–veined, sh–stockwork) CAL	ANK	SER	TRM	gt	Cp	ASPY	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK	KRD
141	Sheared Volcanics	7	0	5	6	5							.03v	100	140.0	141.0	804/03						1.00
2		8	.1	4	5	5							.3	99	141.0	142.0	804/04						.92
3		6	.1	4	5	3							1mv	99	142.0	143.0	804/05						.58
4	143m Foliation 63° to c.a.	1	.1	3	5	3							.03	95	143.0	144.0	804/06						.92
5		3	.1	4	5	3							.1mv	98	144.0	145.0	804/07						.91
6		2	.1	4	5	2							.01	100	145.0	146.0	804/08						1.00
7		7	.1	4	5	5							.03	97	146.0	147.0	804/09						.96
8		3	.1	4	5	5							.01	93	147.0	148.0	804/10						.96
9		2	0	3	5	3							.01	95	148.0	149.0	804/11						.50
150		3	0	4	5	5							.03	95	149.0	150.0	804/12						.94
1		4	0	3	6	10							.01	95	150.0	151.0	804/13						.92
2		5	0	4	5	5							.01	98	151.0	152.0	804/14						.76
3		5	.1	5	5	15							.03	99	152.0	153.0	804/15						.61
4		8	.1	4	5	10							–	100	153.0	154.0	804/16						.72
5		6	.1	4	5	5							.01	100	154.0	155.0	804/17						.87
6		4	.1	4	5	5							.03	95	155.0	156.0	804/18						.92
7	156.8–159.0m Pseudomorph - white oval pseudomorphs of calcite (1-2mm) occur in cluster zones (5-10cm wide) along area. Probable pseudomorphs of amygdules? because of the faint fan shape of the pseudomorph clusters.	6	.1	3	5	5							.03	99	156.0	157.0	804/19						.75
8		5	0	3	5	3							.01	96	157.0	158.0	804/20						.44
9		4	0	3	5	5							.01	99	158.0	159.0	804/21						.59
160		4	.1	4	5	5							.01	99	159.0	160.0	804/22						.79

DRILL HOLE 487.02 PROJECT M555 **CHEVRON MINERALS LTD** **DIAMOND DRILL LOG** DATE

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

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

METRES	DESCRIPTION	% VEIN	MAG. SUSC. 10⁻⁶ CGS	SHEAR INT. 0-10	HARDNESS 0-10	CAL	ANK	Ser.	TOUR	gt	Gp	ASPY	Py	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	V.G.	Au ppb	Au oz/t	CHK
201		6	0	6	5	10							.01	95	200.0	201.0	80463					
2		5	.1	5	4	5							.03	98	201.0	202.0	80464					
3		6	.1	5	4	15							.1	98	202.0	203.0	80465					
4		4	.1	5	4	10							.01	100	203.0	204.0	80466					
5		5	.1	5	4	10							.1	100	204.0	205.0	80467					
6		4	.1	5	4	5							.1	99	205.0	206.0	80468					
7		3	0	6	5	10							.3	96	206.0	207.0	80469					
8		4	.1	6	4	5							.03	96	207.0	208.0	80470					
9	209.0 – 217.4 m <u>Carbonate/Sericite/Graphite zone</u>	3	0	6	5	10							.01	96	208.0	209.0	80471					
210	Gradational contact associated with an increase in shearing and the strength of a charcoal grey	2	0	7	4	10							.03	100	209.0	210.0	80472					
1	color. Rock is fine gr. (<0.5mm) and laminated due to highly sheared calcite veinlets (hairline to	3	0	7	5	5		.01		✓			.01	100	210.0	211.0	80473					
2	2mm) Sericite present along slip planes. Qtz - (212m Foliation 75° to c.a.)	2	0	8	4	10		.3		✓			.03	100	211.0	212.0	80474					
3	- veins are attenuated along foliation (up to 5mm wide)	3	0	8	5	10		.3		✓			.03	100	212.0	213.0	80475		✓			
4		2	0	8	5	5		.3		✓			.03	100	213.0	214.0	80476					
5		2	0	8	4	10		1		✓			.1	100	214.0	215.0	80477					
6	216.0-216.37m <u>Qtz/tourmaline zone</u> - as below - 216.9-217.10m <u>Qtz/tourmaline zone</u> - as below	2	0	8	6	5		2		✓			1mv	98	215.0 215.56	215.56 216.0	80478 80479			5 45		
7	Zones have sharp contacts parallel to foliation	48	.1	4	7	2		1	20			.03	.01	98	216.0 216.37	216.37 216.54	80480 80481		216.3	640 10		
8	217.4 – 229.05 m <u>Qtz/Carbonate/Sericite/Tourmaline Zone</u>	43	.1	4	6	3		1	15			.1	.03	98	216.54 217.07	217.07 217.43	80482 80483			580 70		
9	Med. green with yellowish tinge. Fine gr. qtz-carbonate occurs as attenuated bands (<1cm) occur in a sericitic matrix. Sericite occur along shear	100	.1	0	7	3		0	80			7	.01	98	217.43 218.0	218.0 218.45	80484 80485			1955 26400		
220	planes 50°-57° to c.a. Brown tourmaline, locally	100	0	0	8	2		.01	70			2	.01	98	218.45 219.0	219.0 220.0	80486 80487		219.15	31100/30580 15430/13780		33400

DRILL HOLE H87-02 PROJECT Hess **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE PAGE 10 OF 12

METRES	DESCRIPTION (sg, fg, mg–coarse, fine, medium grained; sfol, mfol, wfol–strong, medium, weak foliation; diss–disseminated; qzvn–quartz vein; grvn–greyvein)	% MIN	MAG. SUSC. 10^{-3} CGS	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d–disseminated, p–pervasive, v–veined, mv–microveined, sk–stockwork) CAL	ANK	Ser	TOUR	qz	Cp	ASPY	Py	RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	VG	Au ppb	Au oz/t	CHK
221	folded, occurs associated with later irregular qtz veins and finer irregular chalky white carbonate veins.	75	0	4	7	1	–	.03	20	–	–	2	.01	98	220.0	220.52	80488		2205 1	2910		
															220.52	221.0	80489			56		
2	220.0 – 220.5m. Variable recrystalization obliterates fabric and is accompanied with a change to a buff brown color in the carbonate (ankeritic?)	90	0	0	8	0	–	0	70	–	–	10	.3	95	221.0	222.03	80490			7300		
3		70	0	6	7	1	–	1	3	–	–	1	1	100	222.03	222.66	80491			3600		
															222.66	223.16	80492			920		
4	220.5 – 222.05m Qtz-tourmaline zone – Dark brown fine gr. laminae of tourmaline parallel to foliation and variably folded. Carbonate veins	43	0	3	6	1	–	.01	10	–	–	1	.3	95	223.16	223.29	80493			5930		
															223.29	223.60	80494			50		
5	are highly attenuated. All cut by later qtz-carb.	20	.1	3	7	2	–	–	10	–	–	2	.3	100	223.60	224.18	80495			11170		
															224.18	224.55	80496			1060		
6	irregular (up to 5cm) veins and smaller (up to 3mm) straight qtz verns. V.G. occurs along edges of these	37	0	2	7	2	–	–	5	–	–	2	1	98	224.55	225.09	80497			5930		
															225.09	225.70	80498			5960/5540		9330
7	veins. Large Aspy grains are brecciated smaller gr's are disseminated	15	0	3	7	1	–	.01	9	–	–	2	.3	100	225.70	226.14	80499			790		
	223.10 – 223.23m, 225.15 – 225.55m, 226.83 – 227.10 +														226.14	227.09	80500			7116/3840	397	
8	228.0 – 228.4m Qtz-tourmaline – as 220.5m	43	.1	6	6	1	–	1	5	–	–	.1	.03	98	227.09	227.94	81001			1610		
															227.94	228.35	81002			3700		
9	229.05 – 238.72 m. <u>Tourmaline – Carbonate zone</u> –	55	.1	5	6	3	–	.03	18	–	–	.1	1	98	228.35	229.05	81003			260		
	229.05 – 229.20m Qtz-tourmaline zone – as above																					
230	229.65 – 229.85m Qtz-tourmaline zone – as above	34	0	3	6	3	–	–	9	–	–	1	.3	100	229.05	229.89	81004			1610		
	– Matrix consists of fine gr brown tourmaline locally laminated but mostly highly crenulated. Carb.																					
1	veins are highly attenuated. Occasional straight qtz veins (< 5mm). Larger Aspy brecciated.	6	.0	3	5	2	–	.01	–	–	–	–	.3	98	229.89	231.03	81005			155		
2		13	.0	5	7	3	–	.01	5	–	–	.1	.3	97	231.03	232.0	81006			1080		
3		5	0	4	5	1	–	–	.1	–	–	–	1	99	232.0	233.0	81007			35		
4		7	.1	3	5	1	–	–	–	–	–	–	1	100	233.0	234.0	81008			40		
5		8	.1	1	7	1	–	–	1	–	–	.1	.3	100	234.0	234.84	81009			770		
															234.84	235.25	81010			2230		
6		57	0	1	7	1	–	–	31	–	–	1	2	97	235.25	235.74	81011			310		
															235.74	236.10	81012			3650/3260		
7	237.4 – 237.6m Pyrite occurs as clusters up to 5mm wide	27	0	2	7	3	–	–	6	–	–	1	.3	98	236.10	237.0	81013			520		
8		8	0	1	8	5	–	–	–	–	–	2	2	98	237.0	237.35	81014			395		
															237.35	238.0	81015			11570/11350		11190
9	238.72 – 252m <u>Carbonate / Sericite / Graphite zone</u>	15	0	1	7	15	–	–	1	–	–	2	3	98	238.0	238.72	81016			10650/11350		
															238.72	239.60	81017			5210		
240	similar to 209.0m except shows higher shearing	18	.1	3	6	10	–	.03	–	✓	–	.01	1	95	239.60	240.0	81018			1710		

DRILL HOLE H87.02 PROJECT M538 **CHEVRON MINERALS LTD · DIAMOND DRILL LOG** DATE PAGE 11 OF 12

METRES	DESCRIPTION (sg. fg. mg–coarse, fine, medium grained · — diss–disseminated · grva–greyvein; sfol, mfol, wfol–strong, medium, weak foliation · qzvn–quartz vein)	% sulf	MAG. SUSC. (10⁻³ cgs)	SHEAR INT. 0–10	HARDNESS 0–10	ALTERATION & MINERALIZATION % (d–disseminated — p–pervasive --- v–veined; mv–microveined; sk–stockwork) Carb	Amph	Ser.	Trem	Gt	Cp	Asp	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
241	Carbonate/Sericite/Graphite Zone and less charcoal grey color (ie less graphite) 238.72 - 240.0m - Qtz-carb. veins, up to 2cm wide, are highly attenuated and occur parallel to a distorted (gently folded) foliation.	7	.3	3	6	10	—	—	—	✓			1	100	240.0	241.0	81019	—		1405		
2		0	.2	4	6	20	—	.01	—	✓			2 mv	100	241.0	242.0	81020	—		321		
3		2	.1	7	5	20	—	1	—	✓			1	98	242.0	243.0	81021	—		60		
4		4	2	6	5	15	—	—	—	✓			.3	98	243.0	243.52	81022	—		100		
	245m Foliation is 65° to c.a.														243.52	244.0	81023	—		165		
5		6	.2	8	6	25	—	2	—	✓			.3	98	244.0	245.0	81024	—		310		
6		9	.2	8	6	25	—	1	—	✓			.3	98	245.0	246.0	81025	—		1645/1130		
7		4	.1	8	5	25	—	.03	—	✓			.03	98	246.0	246.44	81026	—		85		
															246.44	247.0	81027	—				
8		3	.2	6	5	20	—	1	—	?			.03	98	247.0	248.0	81028	—				
9		2	.2	6	5	25	—	.01	—	?			.01	98	248.0	249.0	81029	—				
250		5	.1	6	6	10	—	.01	—	?			1	100	249.0	250.0	81030	—				
1		6	.1	6	6	10	—	—	—	?			.3	100	250.0	251.0	81031	—				
2	252.0 - 281.0m Sheared Volcanics - similar to 95.0m except less veining	4	.1	6	6	15	—	—	—	?			.01	100	251.0	252.0	81032	—				
3		4	.1	6	6	15	—	—	—	—			.01	100	252.0	253.0	81033	—				
4		9	.2	6	6	10	—	—	—	—			.01	100	253.0	254.0	81034	—				
5		2	.2	5	5	5	—	—	—	—			—	98	254.0	255.0	81035	—				
6	255.8 - 256.0m "Bull" qtz vein discordant to foliation.	18	.2	5	5	3	—	—	—	—			.01	100	255.0	256.0	81036	—				
7		6	.2	5	6	2	—	—	—	—			.01	98	256.0	257.0	81037	—				
8		4	.3	5	6	5	—	—	—	—			—	97	257.0	258.0	81038	—				
9		2	.1	5	6	5	—	—	—	?			.03mv	100	258.0	259.0	81039	—				
260		6	.1	4	6	15	—	—	—	—			.01	100	259.0	260.0	81040	—				

DRILL HOLE H87-02 PROJECT Mt SS

CHEVRON MINERALS LTD — DIAMOND DRILL LOG

DATE

DESCRIPTION

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

METRES	DESCRIPTION	% vein	MAG. SUSC. 10⁻³ cgs	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, mv—microveined, v—veined, sk—stockwork) CAL	ANK	SER	TRM	gt	Cp	FUY	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
261		3	.2	4	6	2	—	—	—	?			.01	100	260.0	261.0	81041					
2		6	.1	4	5	5	—	—	—	—			.01	100	261.0	262.0	81042					
3		12	0	3	6	5	—	—	—	—			.01	100	262.0	263.0	81043					
4		4	.3	4	6	5	—	—	—	—			.01	99	263.0	264.0	81044					
5		5	.1	4	6	10	—	—	—	—			.01	99	264.0	265.0	81045					
6		6	.1	5	5	20	—	—	—	—			.01	99	265.0	266.0	81046					
7		7	.1	4	6	20	—	—		✓			.01	100	266.0	267.0	81047					
8	268m Foliation is 68° to c.a.	3	.1	4	5	30	—	—	—	—			.01	100	267.0	268.0	81048					
9		5	0	3	5	20	—	—	—	—			.01	100	268.0	269.0	81049					
270		2	.1	4	7	10	—	—	—	—			.01	98	269.0	270.0	81050					
1		4	0	4	6	10	—	—	—	—			.01	98	270.0	271.0	81051					
2		8	.1	4	6	15	—	—	—	—			.01	98	271.0	272.0	81052					
3		5	0	3	6	5	—	—	—	—			.01	100	272.0	273.0	81053					
4		5	.1	4	5	10	—	—	—	—			.01	100	273.0	274.0	81054					
5		4	0	4	5	5	—	—	—	—			.01	100	274.0	275.0	81054					
6		4	0	4	6	10	—	—	—	—			.01	99	275.0	276.0	81056					
7		2	0	4	6	10	—	—	—	—			—	99	276.0	277.0	81057					
8		3	0	4	6	5	—	—	—	—			.01	99	277.0	278.0	81058					
9		4	0	4	6	10	—	—	—	—			.01	100	278.0	279.0	81059					
280		5	.2	4	5	10	—	—	—	—			.01	100	279.0	280.0	81060					
281	281m E.O.H.	6	.1	3	5	5	—	—	—	—			.01	100	280.0	281.0	81061					

DRILL HOLE H87.03 PROJECT M588 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 6 Jan 88 PAGE OF

AREA BRISTOL Twp
CLAIM 18749 & P4040
CORE SIZE NQ
LOGGED BY S.L.F
DATE STARTED 3 DEC 87
DATE COMPLETED 12 DEC 87
CONTRACTOR BRADLEY BROS
UNITS METRIC
COMMENTS THE LARGE DEVIATION IN THE HOLE IN THE OVERBURDEN FLEETNER WITH THE VIBRATION OF THE CASING IN THE SOFT SAND RESULTED IN 12 RODS BREAKING. THE CASING WAS PULLED UPON COMPLETION, BUT LOST 13m.

AZIMUTH
DIP
DEPTH | OVERBURDEN / HOLE — DOWNHOLE: 43m / 411.99m | VERTICAL
ELEVATION
CO-ORDINATES 48+50E 80+29N

DOWNHOLE SURVEY DATA

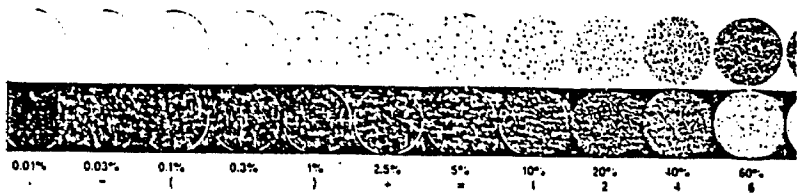
DEPTH	APPARENT DIP	TRUE DIP	AZIMUTH	INSTRUMENT
0		44	180	S
50		54	180	SPERRY SUN
110		53	180	
170		52	183	
230		51	184	
290		49	183	
350		47	182	
410		46	183	

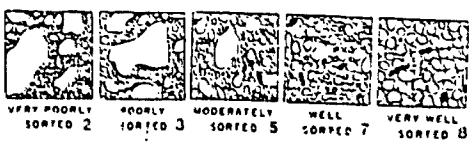
DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

THIS HOLE WAS SIGHTED SO AS TO TEST THE KNOWN CENTRE OF HIGH GRADE ASSAYS IN THE 'VEIN ZONE' AS DETERMINED BY PREVIOUS OPERATORS.

WACKES AND ARENITES WITH TOPS UP THE HOLE ARE SEPARATED FROM THE UNDERLYING SHEARED VOLCANICS BY A MAJOR FAULT. A CARBONATE ± SERICITE ± GRAPHITE ALTERATION ZONE MANTLES THE MAIN ALTERATION ASSEMBLAGE WHICH CONSISTS OF TWO TOURMALINE ZONES SEPARATED BY AN ANKERITE SILICA ZONE.

NUMEROUS VISSIBLE GOLD GRAINS OCCUR IN THE UPPER TOURMALINE ZONE. TYPICALLY THE OCCUR IS QUARTZ VEINS AND MICRO QUARTZ VEINS WITHIN BRECCIATED PYRITE OR ARSENO PYRITE. CHALCOPYRITE AND GAHENA MAY BE ASSOCIATED WITH THIS GOLD. GOLD ALSO OCCURS AS SMALL INCLUSIONS IN LARGE PYRITE GRAINS.





GEOLOGY SUMMARY

FROM	TO	UNIT
0	43	OVERBURDEN
43	182.5	ARENITE / WACKE
182.5	114.5	SILICIFIED GRAPHITE UNIT
114.5	119.2	SILICIFIED FELD PORPHYRY
119.2	133.8	SILICIFIED GRAPHITE UNIT
133.8	234.2	SHEARED VOLCANICS
234.2	244.9	CARBONATE GRAPHITE ALTERATION
244.8	249.3	QUARTZ TOURMALINE ZONE
249.3	258.4	CARBONATE GRAPHITE ALTERATION
258.4	278.7	ANKERITE SILICA ALTERATION
278.7	301.3	TOURMALINE ZONES
301.3	303.7	CARBONATE ZONE
303.7	326.0	SERICITE CARBONATE GRAPHITE
326.0	412	SHEARED VOLCANICS

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

DRILL HOLE 87-03 PROJECT Im588 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE / OF

METRES	DESCRIPTION cg, fg, mg—coarse, fine, medium grained; diss—disseminated; grva—greyvein; sfol, mfol, wfol—strong, medium, weak foliation; qzva—quartz vein	% PYR	MAG. SUSC. 10⁻³ CGS	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated; p—pervasive; v—veined; mv—microveined; sk—stockwork) CHL	ANK	SER	TRMT	gf	Cp	Apy	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	OHK
41	0 – 43 m OVERBURDEN FINE SAND WITH A BASAL GRAVEL HORIZON.																					
2																						
3	43.0 – 102.55 m INTERBEDDED ARENITES AND WACKES																					
4	THE ARENITES ARE BEDDED ON A 1 TO 8.5 cm TO 1 m SCALE, HAVE A MEDIUM GREY COLOUR AND VARY FROM 0.25 TO 1 mm GRAIN SIZE USUALLY DEPENDING ON THE SIZE OF THE BEDS. THE WACKES ARE CONFORMABLE AND INTERCALATED WITH THE ARENITES. THE WACKES ARE BEDDED ON A 1 TO 10 mm SCALE, ARE A DARK COLD GREY AND FINE GRAINED (< 0.1 mm).	1	0	1	6	1							–	75	43.0	44.0	81062					
5		–	0	1	5	1							–	85	44.0	45.0	81063					
6		1	0	1	5	1							–	75	45.0	46.0	81064			15		
7		–	0	1	5	2							–	65	46.0	47.0	81065					
8	43.5 m FINE GRADED BEDS IN WACKES WITH TOPS UP THE HOLE AND 55° BEDDING CORE ANGLE	2	0	1	6	2							.03	95	47.0	48.0	81066					
9		L	0	1	6	1							–	95	48.0	49.0	81067			12		
50	49.2 – 49.3 m COARSE GRIT (< 2 mm)	1	.1	–	5	1							–	95	49.0	50.0	81068					
1	ALL VEINS ARE OF QUARTZ. THE LARGER VEINS ARE USUALLY CONCORDANT TO THE BEDDING AND THE HAIRLINE VEINS ARE IRREGULAR AND DISCORDANT	1	.1	2	6	1							–	75	50.0	51.0	81069					
2		1	0	1	6	1							–	85	51.0	52.0	81070			10		
3		2	0	1	6	2							.1	98	52.0	53.0	81071					
4		4	0	1	7	1							.01	98	53.0	54.0	81072					
5		3	0	1	7	1							.1	98	54.0	55.0	81073			5		
6		6	0	2	7	2							.03	98	55.0	56.0	81074					
7		6	.1	1	7	2							.01	99	56.0	57.0	81076					
8	58.0 m TROUGH CROSS BEDDING WITH THIN GRIT HORIZONS PLUS GRADED BEDDING IN WACKES HAVE TOPS UP THE HOLE AND BEDDING CORE ANGLES OF 53°	1	0	1	6	2							.1	75	57.0	58.0	81076			Nil		
9		1	0	1	5	1							.1	75	58.0	59.0	81077					
60		2	0	1	5	1							1	79	59.0	60.0	81078					

DRILL HOLE HS7.03 PROJECT M589 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 2 OF 19

DESCRIPTION

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

INTERBEDDED ARENITES AND WACKES

65.5 - 65.7m DISAMPED ZONE. MINOR SHEARING HAS FOLDED, BRECCIATED AND SHEARED THE ARENITE / WACKE ROCK OBLITERATING THE PRIMARY TEXTURE
65.9 - 66.05m SAME AS 65.5m
67.5m BEDDING IS AT 65° TO C.A. BUT FOLIATION WAS OBSCURED TOP DIRECTIONS

THE SULPHIDES ARE TYPICALLY DISSEMINATED OR OCCUR IN DISCONTINEOUS TRAILS ALONG FRACTURES WITHIN THE ARENACEOUS PHASES RATHER THAN THE WACKES.

78.0m BEDDING IS AT 57° TO C.A.

METRES	% Vein	MAG. SUSC. 10⁻³ cgs	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated, mv—microveined, p—pervasive, v—veined, sk—stockwork) CAL	ANH	SER	TOUR	qz	Cp	Sph	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
61	1	.2	1	6	3	—	—	—	—	—	—	1	98	60.0	61.0	81079				
2	1	0	1	5	1	—	—	—	—	—	—	.3	98	61.0	62.0	81080				
3	2	.2	1	6	2	—	—	—	—	—	—	.1	90	62.0	63.0	81081				
4	1	0	1	7	2	—	—	—	—	—	—	.1	90	63.0	64.0	81082		7		
5	1	0	1	6	2	—	—	—	—	—	—	.1	90	64.0	65.0	81083				
6	2	.1	4	6	2	—	—	—	1	—	—	.3mv	97	65.0	66.0	81084				
7	2	0	3	5	1	—	—	—	—	—	—	.3	97	66.0	67.0	81085		NIL		
8	2	0	2	6	1	—	—	—	—	—	—	.3	97	67.0	68.0	81086				
9	2	0	1	6	2	—	—	—	—	—	—	.1	98	68.0	69.0	81087				
70	2	0	1	6	1	—	—	—	—	—	—	.1	95	69.0	70.0	81088		NIL		
1	2	0	3	7	1	—	—	—	—	—	—	.3	95	70.0	71.0	81089				
2	2	0	1	8	1	—	—	—	—	—	—	.3	98	71.0	72.0	81090				
3	3	0	1	7	1	—	—	—	—	—	—	.3mv	98	72.0	73.0	81091		NIL		
4	2	0	1	6	1	—	—	—	—	—	—	.3	95	73.0	74.0	81092				
5	4	0	1	6	1	—	—	—	—	—	—	.3	95	74.0	75.0	81093				
6	2	0	1	7	1	—	—	—	—	—	—	1	98	75.0	76.0	81094		NIL		
7	5	.1	1	8	2	—	—	—	—	—	—	1	98	76.0	77.0	81095				
8	7	0	2	7	1	—	—	—	—	—	—	1	97	77.0	78.0	81096				
9	2	.1	3	7	1	—	—	—	—	—	—	.03	97	78.0	79.0	81097		NIL		
80	12	0	1	8	2	—	—	—	—	—	—	.03	97	79.0	80.0	81098				

DRILL HOLE HS7-03 PROJECT Hs88 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 3 OF 17

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

METRES	DESCRIPTION	% VEIN	MAG. SUSC. 10⁻³ CGS	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated, mv—microveined, p—pervasive, v—veined, sk—stockwork)								% RECOVERY	SAMPLING						
						SIL	ANK	SER	TOUR	qz	Cp	Hem	Py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
81	INTERBEDDED ARENITES AND WACKES	4	0	2	7	I	—	—	—	—	—	—	.03	97	80.0	81.0	81099	—	—	—	—	—
2	THE LARGER QUARTZ VEINS ARE NO LONGER	1	0	I	7	I	—	—	—	—	—	—	.3	96	81.0	82.0	81100	—	—	Nil	—	—
3	PARALLEL TO THE BEDDING BUT TYPICALLY	15	0	I	7	I	—	—	—	—	—	—	.01	96	82.0	83.0	81101	—	—	—	—	—
4	DISCORDANT AT LOW ANGLES. ALSO IN PATCHES	21	0	I	8	I	—	—	—	—	—	—	.3	95	83.0	84.0	81102	—	—	—	—	—
5	THE ROCK HAS THE MOTTLED DIFFUSE APPEARANCE	3	0	1	7	I	—	—	—	—	—	—	.3	95	84.0	85.0	81103	—	—	Nil	—	—
6	ASSOCIATED WITH SILICIFICATION. THIS IS MORE	3	0	I	7	I	—	—	—	—	—	—	.03	90	85.0	86.0	81104	—	—	—	—	—
7	APPARENT IN THE WACKE HORIZONS	1	0	1	7	I	—	—	—	—	—	—	.3	90	86.0	87.0	81105	—	—	—	—	—
8		1	.1	2	7	2	—	—	—	—	—	—	.03	97	87.0	88.0	81106	—	—	Nil	—	—
9		4	.1	1	7	2	—	—	—	—	—	—	.3	97	88.0	89.0	81107	—	—	—	—	—
90	81.1 m 1cm THICK ZONE OF DISSEMINATED PYRITE PARALLEL TO FOLIATION	7	.1	1	7	1	—	—	—	—	—	—	2	97	89.0	90.0	81108	—	—	—	—	—
1	84.6 m BEDDING AT 55° TO C.A.	5	0	2	7	1	—	—	—	—	—	—	.3	97	90.0	91.0	81109	—	—	Nil	—	—
2		6	.1	1	7	I	—	—	—	—	—	—	.3	97	91.0	92.0	81110	—	—	—	—	—
3		30	.1	1	8	2	—	—	—	—	—	—	2	97	92.0	93.0	81111	—	—	—	—	—
4		16	.1	1	8	2	—	—	—	—	—	—	.1	98	93.0	94.0	81112	—	—	Nil	—	—
5		11	0	2	7	1	—	—	—	—	—	—	1	98	94.0	95.0	81113	—	—	—	—	—
6		18	0	1	8	2	—	—	—	—	—	—	1	98	95.0	96.0	81114	—	—	—	—	—
7	96.5 m BEDDING / FOLIATION 52° TO C.A.	5	0	1	7	2	—	—	—	—	—	—	1	95	96.0	97.0	81115	—	—	10/Nil	—	—
8		33	0	2	7	3	—	—	—	—	—	—	.3	98	97.0	98.0	81116	—	—	—	—	—
9	98.5 m ZONE OF DISSEMINATED PYRITE PARALLEL TO FOLIATION / BEDDING ABOUT 1 cm THICK	10	0	2	7	3	—	—	—	—	—	—	1	98	98.0	99.0	81117	—	—	—	—	—
100	99.1 m SAME AS AT 98.5	3	0	1	7	2	—	—	—	—	—	—	1	95	99.0	100.0	81118	—	—	5	—	—

DRILL HOLE 1187.03 PROJECT 1488 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE PAGE 4 OF 19

METRES	DESCRIPTION cg, fg, mg—coarse, fine, medium grained · diss—disseminated · grvn—greyvein · sfol, mfol, wfol—streng. medium, weak foliation · qzvn—quartz vein	% PYRR	MAG. SUSC. 10⁻⁶ cgs	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % d—disseminated · p—pervasive · v—veined mv—microveined · sk—stockwork CAL	ANK	SER	TRM	qt	Cp	Aspy	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
101	INTERBEDDED ARENITES AND WACKE?	5	0	2	8	1	—	—	—	—	—	—	.3	98	100.0	101.0	51119				
2		13	0	1	7	2	—	—	—	—	—	—	.03	95	101.0	102.55	51120		NIL		
3	102.55 – 114.5 m SILICIFIED GRAPHITIC UNIT DARK GREY TO BLACK, FINE GRAINED ROCK (< 0.1mm) WITH VERY FINE LAMINELLI WHICH	29	1	2	7	2	—	—	—	1	—	—	.3	95	102.55	103.0	51121		NIL		
4	CONTAIN GRAPHITE SPACED ABOUT 1mm APART.	40	0	3	8	1	—	—	—	2	.3	1	1	90	103.0	104.0	51122				
5	PYRITE IS FINELY DISSEMINATED IN THE HOST AND ALSO OCCURS IN DISCONTINUOUS TRAILS	21	0	3	8	.1	—	—	—	2	—	—	.1	90	104.0	105.0	51123				
6	PARALLEL TO THE FOLIATION OR IN AGGREGATES.	6	0	4	8	1	—	—	—	5	—	—	.1	90	105.0	106.0	51124		N		
7	THE FOLIATION VARIES BETWEEN 25° AND 55° TO C.A. BUT TYPICALLY 25°. THE QUARTZ VEINS	4	0	6	7	—	—	—	—	5	—	—	1	75	106.0	107.0	51125				
8	ARE IRREGULAR AND DISCORDANT TO THE FOLIATION, LOCALLY WHERE QZ VEINS ARE	12	0	6	7	1	—	—	—	5	—	—	2	100	107.0	108.0	51126				
9	ABUNDANT THE HOST ROCK TENDS TO BE BRECCIATED AND MORE INTENSELY SILICIFIED.	30	0	6	8	1	—	—	—	5	.03	—	1	90	108.0	109.0	51127		NIL		
110		37	0	5	7	2	—	—	—	3	—	—	1	90	109.0	110.0	51128				
1		15	.1	3	7	1	—	—	—	1	—	—	.03	90	110.0	111.0	51129				
2		17	0	2	8	2	—	—	—	—	—	—	.3	85	111.0	112.0	51130		NIL		
3		9	0	1	8	2	—	—	—	—	—	—	1?	90	112.0	113.0	51131				
4	114.5 – 119.2 m SILICIFIED UNIT ? FELDS PORPH	10	0	1	8	10	—	—	—	—	—	—	.01	95	113.0	114.0	51132				
5	LIGHT GREY TO A PURPLE BROWN COLOUR AND GRAIN SIZE VARIES FROM VERY FINE TO MEDIUM	8	0	3	7	3	—	—	—	3	.3	—	.3	90	114.0	116.0	51133		N/A		
6	(<< 0.1 TO < 1mm) DEPENDING ON INTENSITY OF ALTERATION. SOME DIFFUSE WHITE ? FELDSPAR GRAINS	~20	0	0	10	2	—	—	—	—	.01	—	—	50	116.0	116.0	51134				
7	ARE APPARENT IN LESS ALTERED, ORIGINAL ROCK HAS	35	0	0	10	3	—	—	—	—	.1	—	—	40	116.0	117.0	51135				
8	BEEN BRECCIATED PRIOR TO INTENSE SILICIFICATION AND LESS INTENSE CARBONATIZATION. SUBSEQUENTLY THE	35	0	0	10	5	—	—	—	—	.1	—	—	40	117.0	118.0	51136		NIL		
9	ROCK HAS BEEN CUT BY DIFFUSE QUARTZ VEINS.	35	.1	0	10	5	—	—	—	—	—	—	.01	80	118.0	119.0	51137				
120	119.2 – 123.8 m SILICIFIED GRAPHITIC UNIT HIGHLY SILICIFIED AND BRECCIATED UNIT WITH A LIGHT GREY COLOUR. UNDER MOST FRAGMENTS ARE DARK	23	.1	0	10	5	—	—	—	—	—	—	—	50	119.0	120.0	51138				

DRILL HOLE #87-03 PROJECT #588 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 5 OF 19

METRES	DESCRIPTION	% PYR	MAG. SUSC. 10⁻⁴ cgs	SHEAR INT. 1-10	HARDNESS 1-10	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork) chl	ank	ser	tour	qz	cp	aspy	py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
121	SILICIFIED GRAPHITIC UNIT																				
	GREY TO BLACK. THIS HAS BEEN CUT BY	34	.1	0	10	2	—	—	—	—	3	—	2	70	120.0	121.0	81139		5		
	DIFFUSE QUARTZ VEINS. WITH DEPTH SILICIFICATION																				
2	AND BRECCIATION GIVE WAY TO FOLIATED AND	30	0	1	10	1	—	—	—	1	1	—	1	80	121.0	122.0	81140		—		
	GRAPHITIC MATERIAL. SOME OPEN FRACTURES HAVE																				
3	'GLACIAL' SAND.	5	0	4	6	3	—	—	—	5	—	—	3	75	122.0	123.0	81141				
4	123.8 - 131.85 m SHEARED VOLCANICS	3	0	4	6	5	—	—	—	5	—	—	2	80	123.0	124.0	81142		5		
	MEDIUM GREEN WITH A LIME SINT CAUSED BY EPIDOTE																				
5	ALTERATION. THE ROCK IS FINE GRAINED WITH	1	0	4	4	15	—	10	—	1	—	—	—	100	124.0	126.0	81143				
	ABUNDANT SMALL CARBONATE VEINS (<1cm) WHICH																				
6	HAVE BEEN DISRUPTED BY SHEARING. QUARTZ VEINS	3	0	7	5	20	—	2	—	1	—	—	—	100	126.0	126.0	81144				
	POST DATE THE CARBONATE, ARE LARGER (<4cm) AND																				
7	ONLY MODERATELY ALTERNATED. THE TOP 1m	3	0	6	4	20	—	—	—	—	—	—	.01	100	126.0	127.0	81145		NIL		
	OF THE UNIT IS ALSO STRONGLY AFFECTED BY																				
8	SERICITE ALTERATION	9	0	6	4	20	—	—	—	2	—	—	.01	95	127.0	128.0	81146				
	124.0 - 124.3 m FAULT BRECCIA WITH SOME 30MED																				
9	MF TO 3cm SHICK WHICH ARE NOT CONSOLIDATED.	2	0	5	5	5	—	—	—	—	—	—	—	95	128.0	129.0	81147				
130		4	0	7	4	5	—	—	—	—	—	—	—	100	129.0	130.0	81148		NIL		
1		13	0	6	4	10	—	—	—	—	—	—	—	100	130.0	131.0	81149				
2	131.85 - 132.65 m SILICIFIED GRAPHITIC UNIT	8	.1	7	4	10	—	—	—	—	—	—	—	100	131.0	131.85	81150				
	SIMILAR TO 102.35 m																				
3	132.65 - 234.2 m SHEARED VOLCANICS	5	.1	4	5	3	—	—	—	3	—	—	2	100	131.85	132.65	81151		10		
	MEDIUM TO LIGHT GREEN AND TYPICALLY FINE GRAINED																				
4	EXCEPT WHERE THE DEFORMATION IS LESS INTENSE, AND	9	.1	7	4	20	—	—	—	—	—	—	—	100	132.65	134.0	81152				
	THE GRAIN SIZE IS MEDIUM (<1mm) MOST VEINS																				
5	ARE CARBONATE WHICH HAVE BEEN EXTENSIVELY	11	.1	7	5	15	—	—	—	2	—	—	2	100	134.0	135.0	81153				
	SHEARED AND PARALLEL THE FOLIATION, LOCALLY																				
6	FEATHERY GRAPHITIC SLIP PLANES OCCUR AND ARE	10	.1	7	4	15	—	—	—	3	—	—	—	100	135.0	136.0	81154		NIL		
	USUALLY ASSOCIATED WITH THE VEINS. BOTH																				
7	CALCITE AND THE LESS COMMON QUARTZ VEINS.	7	0	7	4	15	—	—	—	—	—	—	—	100	136.0	137.0	81155				
	GENERALLY ALL PRIMARY TEXTURES HAVE BEEN																				
8	OBLITERATED BY THE DEFORMATION, BUT WHERE	4	0	5	4	15	—	—	—	3	—	—	—	100	137.0	138.0	81156				
	THIS IS LESS INTENSE THE ROCK HAS AN																				
9	APPEARANCE OF A MAFIC FLOW.	9	.1	6	5	15	1	—	—	—	—	—	—	100	138.0	139.0	81157		NIL		
140	140.0 m FOLIATION IS 50° TO C.A.	3	0	5	4	10	—	—	—	—	—	—	—	95	139.0	140.0	81158				

DRILL HOLE H87-03 PROJECT m483 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE

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

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

METRES	DESCRIPTION	% vein	MAG. SUSC. (10⁻³ cgs)	SHEAR INT. 0-10	HARDNESS 0-10	Hbl	Ank	Ser	Tmal	qtz	Cp	Asp	Py	% RECOVERY	FROM (m)	TO (m)	
141	SHEARED VOLCANICS	5	0	6	4	15	—	—	—	1	—	—	—	100	140.0	141.0	
2		4	0	7	4	15	—	—	—		—	—	—	100	141.0	142.0	
3		4	.1	4	4	15	—	—	—	2	—	—	—	80	142.0	143.0	
4		2	.1	7	5	10	—	—	—	2	—	—	—	100	143.0	144.0	
5	145.7m FOLIATION AT 62° TO C.A.	3	.1	5	5	15	—	—	—		—	—	—	75	144.0	146.0	
6		3	0	3	4	15	—	—	—		—	—	—	100	145.0	146.0	
7		3	0	3	4	10	—	—	—		—	—	—	100	146.0	147.0	
8		5	0	4	4	10	—	—	—		—	—	—	100	147.0	148.0	
9		3	.1	4	4	5	—	—	—		—	—	—	100	148.0	149.0	
150		5	.1	4	4	5	—	—	—		—	—	—	100	149.0	150.0	
1		3	.1	2	4	10	—	—	—		—	—	—	100	150.0	151.0	
2		2	.1	3	4	10	—	—	—		—	—	—	100	151.0	152.0	
3	152.60 – 153.16 FELSIC DYKE DISCORDANT TO FOLIATION	2	.1	2	6	2	—	—	—		—	—	.03	100	152.0	153.16	
4		3	.1	2	5	3	—	—	—		—	—	.03	100	153.16	154.0	
5		4	.1	3	4	15	—	—	—		—	—	.03 mv	100	154.0	155.0	
6		2	.2	5	4	5	—	—	—		—	—	—	100	155.0	156.0	
7	157m FOLIATION AT 55° TO C.A.	1	.2	3	4	10	—	—	—		—	—	—	80	156.0	157.0	
8		1	0	3	4	10	—	—	—		—	—	—	100	157.0	158.0	
9		3	0	3	4	10	—	—	—		—	—	—	100	158.0	159.0	
160		1	0	5	5	15	—	—	—		—	—	.3°	100	159.0	160.0	

DRILL HOLE 457.03 PROJECT M655 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 7 OF 19

DESCRIPTION

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

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

METRES	DESCRIPTION	% mag	MAG. SUSC. 10⁻⁶ cgs	SHEAR INT. 1-10	HARDNESS 1-10	CAL	ANK	SER	TRM	qtz	Cp	Aspy	Py	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
161	SHEARED VOLCANICS	3	0	7	4	15							1	100	160.0	161.0	81179					
2		8	0	7	4	15							.01		161.0	162.0	81180					
3		8	0	7	4	20									162.0	163.0	81181			NIL		
4		6	0	4	4	15							.3		163.0	164.0	81182					
5	165m FOLIATION AT 63° TO C.A.	7	0	6	4	15							.1		164.0	165.0	81183					
6		5	.1	7	4	15									165.0	166.0	81184			5		
7		9	0	4	4	10									166.0	167.0	81185					
8		14	0	3	4	10							.01		167.0	169.0	81186					
9		6	.1	3	4	10									169.0	169.0	81187			NIL		
170		8	0	5	4	10							.01		169.0	170.0	81188					
1		8	0	4	4	5									170.0	171.0	81189					
2		7	0	3	4	3									171.0	172.0	81190			NIL		
3		8	.1	5	4	7									172.0	173.0	81191					
4	174 – 176m THE LOWER STATE OF DEFORMATION PERMITS RECOGNITION OF ENTIRELY MAFIC FRAGMENTS WHICH MAY BE AMPHIBOLE PSEUDOMORPHS UP TO 6mm	7	.1	3	4	5									173.0	174.0	81192					
5	175m FOLIATION AT 50° TO C.A	2	.1	3	4	5									174.0	175.0	81193			NIL		
6		3	.1	2	4	5									175.0	176.0	81194					
7		2	.1	4	4	10									176.0	177.0	81195					
8		3	0	4	4	15									177.0	178.0	81196			NIL		
9		3	0	4	4	15									178.0	179.0	81197					
180		3	0	4	4	10								100	179.0	180.0	81198					

DRILL HOLE 187.03 PROJECT 1688 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 8 OF 19

METRES	DESCRIPTION	% VEIN	MAG. SUSC. 10^{-3} cgs	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork) CAL	ANK	SER	TMA	qt	Cp	Asp	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
	SHEARED VOLCANICS																					
181		2	0	5	4	5								100	180.0	181.0	81199					
2																						
	183.9 - 184.1m FLASER LIKE TEXTURE WHICH MAY	3	.1	3	4	5								100	181.0	182.0	81200					
3	BE PRIMARY ALTERATION IN SOME INTERFLOW	4	.1	5	4	10								100	182.0	183.0	81201					
	MATERIAL.																					
4		5	.1	6	4	10								100	183.0	184.0	81202			NIL		
5	185m FOLIATION AT 60° TO C.A.	4	0	4	4	10								100	184.0	185.0	81203					
6		5	.1	3	4	10								100	185.0	186.0	81204					
7		6	.1	3	4	15								100	186.0	187.0	81205			NIL		
8	187.06 - 187.11m INTERFLOW BRECCIA	8	.1	3	4	15							.01	100	187.0	188.0	81206					
9		2	0	4	4	10								100	188.0	189.0	81207					
	189.5m 4cm SHEAR ZONE WITH SOME GRAPHITE																					
190		2	.1	4	4	10				/				100	189.0	190.0	81208			10		
1		8	0	5	4	15								100	190.0	191.0	81209					
2		7	.1	5	4	20				/				100	191.0	192.0	81210					
3		4	.1	4	4	15								100	192.0	193.0	81211			NIL		
4		3	.1	3	4	10								100	193.0	194.0	81212					
	194 - 195m WHITE SERICITIZED FELDSPAR																					
5	AGGREGATES ARE SPARSELY DISSEMINATED AND PROBABLY	1	0	4	4	15								100	194.0	195.0	81213					
	ARE PHENOCRYSTS.																					
6		7	0	4	4	15								100	195.0	196.0	81214			NIL		
	196m FOLIATION AT 58° TO C.A.																					
7		2	0	4	4	10								100	196.0	197.0	81215					
8	197.2 - 198m SAME AS 194m	3	.2	3	4	5								100	197.0	198.0	81216					
9		1	.1	4	4	10							.01	100	198.0	199.0	81217			NIL		
200		5	.1	5	4	15								100	199.0	200.0	81218					

DRILL HOLE HT-13 PROJECT M-559 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE

METRES	DESCRIPTION	% vein	MAG. SUSC.	SHEAR INT.	Hardness	ALTERATION & MINERALIZATION % (d-disseminated, p-pervasive, v-veined, mv-microveined, sk-stockwork) CAR	ANK	SER	TRM	qz	Cp	ASPY	Py	RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
	SHEARED VOLCANICS																				
201		11	0	7	4	20		3						100	200.0	201.0	81219				
	201.58 – 201.94 m FELSIC DYKE WITH VERY FINE																				
2	DISSEMINATED PYRITE AND A PURPLE GREY COLOUR	20	0	7	5	15		2					Py	100	201.0	202.0	81220		NIL		
	15 cm QZ VEIN ON LOWER CONTACT																				
3	202.65 – 203.48 m SIMILAR FELSIC DYKE WHICH IS	15	1	5	6	10							tr	100	202.0	203.48	81221				
	VERY HARD C.S. 152.6 m																				
4		7	0	5	6	10							1	100	203.48	204.0	81222				
	208 – 226 m MOST VEINS ARE QUARTZ																				
5	WITH GRAY MINOR ASSOCIATED CARBONATE. THESE		0	4	5	10								100	204.0	205.0	81223		NIL		
	VEINS ARE IRREGULAR AND SLIGHTLY DISCORDANT																				
6	TO FOLIATION.	1	0	3	4	10								100	205.0	206.0	81224				
7	207 m FOLIATION IS AT 60° TO C.A.		1	5	5	10								100	206.0	207.0	81225				
8		2	1	6	5	5								100	207.0	208.0	81226				
9		4	0	5	4	5								100	208.0	209.0	81227				
210		3	1	5	4	10								100	209.0	210.0	81228				
1		1	1	3	4	5								100	210.0	211.0	81229		NIL		
2			1	3	4	5								100	211.0	212.0	81230				
3		8	2	2	4	3								100	212.0	213.0	81231				
4		3	1	3	4	3								100	213.0	214.0	81232		5		
5			0	3	4	3								100	214.0	215.0	81233				
6		1	1	4	4	5								100	215.0	216.0	81234				
7		6	2	3	4	10								100	216.0	217.0	81235		NIL		
8	218 m FOLIATION IS AT 65° TO C.A.	1	0	3	4	10								100	217.0	218.0	81236				
9		2	1	3	4	10								100	218.0	219.0	81237				
220		2	1	4	4	5								100	219.0	220.0	81238		5		

DRILL HOLE H87.03 PROJECT MCSS **CHEVRON MINERALS LTD - DIAMOND DRILL LOG** DATE PAGE 10 OF 19

METRES	DESCRIPTION	% VEIN	MAG. SUSC. 10⁻⁶ cgs	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d-disseminated nv-microveinled p-pervasive v-veined sk-stockwork) CHL	ANK	HEM	TOUR	gf	Cp	Aspy	PY	RECOVERY %	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
221	SHEARED VOLCANICS	1	.1	5	4	5								100	220.0	221.0	81237				
2		3	.1	3	4	10								98	221.0	222.0	81238				
3		3	0	5	4	10								99	222.0	223.0	81241		NIL		
4		4	.1	5	4	10								98	223.0	224.0	81242				
	224.35m 5 cm ZONE WITH SERICITIC ALTERATION																				
5		4	.1	4	4	10		Tr					.01	100	224.0	225.0	81243				
	225.17m 3cm ZONE OF SERICITIC ALTERATION																				
6		2	.1	4	4	15		Tr					.3	100	225.0	226.0	81244		.10		NIL
	226m FOLIATION IS AT 66° TO C.A.																				
7	FROM 226m MOST VEINS ARE SHEARED CARBONATE VEINS	3	.1	6	4	20							.03	100	226.0	227.0	81245				
8		2	.1	5	4	20							.3	100	227.0	228.0	81246				
9		7	0	6	4	20							.03	100	228.0	229.0	81247		NIL		
230		2	0	3	4	20						.01	.3 nv	100	229.0	230.0	81248				
1		4	.1	3	4	10							1 nv	95	230.0	231.0	81249				
2		4	0	4	4	20							.3 nv	95	231.0	232.0	81250		NIL		
3		3	.1	6	4	20							.3 nv	99	232.0	233.0	81251				
4	234.2 - 244.8m CARBONATE GRAPHITE ALTERATION ZONE. GRADUAL CHANGE INTO STRONGLY ALTERED AND SHEARED ROCK, EQUIVALENT TO THE SERICITIC CARBONATE GRAPHITIC ZONE IN HOLE H87.01	6	C	7	3	25				/			1	100	233.0	234.0	81252				
5		10	0	7	3	25				/			.01	100	234.0	235.0	81253		NIL		
6	236m FOLIATION IS AT 66° TO C.A.	12	0	7	3	30				/			.01	100	235.0	236.0	81254				
7		10	0	9	3	30				/			.1	100	236.0	237.0	81255				
8		19	0	9	3	25				/			.3	100	237.0	238.0	81256		NIL		
9		22	0	8	3	25				/			.01	100	238.0	239.0	81257				
240		15	.1	9	3	30				/			.03	100	239.0	240.0	81258				

DRILL HOLE H87-03 PROJECT H688 — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE — PAGE 11 OF 19

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

METRES	DESCRIPTION	% MAG	MAG. SUSC. 10⁻³ cgs	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % CHL	ANK	SER	TOUR	Qz	Cp	Asp	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	V G	Au ppb	Au oz/t	CHK
241	CARBONATE GRAPHITE ALTERATION ZONE																					
	241m FOLIATION IS AT 61° TO C.A.	11	.1	9	3	30	—	3	3	1	—	—	.1	100	240.0	241.0	81259					
2		16	.1	9	3	30	—	2	—	1	—	—	.1	100	241.0	242.0	81260					
	243.1m 5 GRAINS OF GOLD RECOVD IN A CONCENTR																					
3	WITHIN A QUARTZ VEIN	13	.1	8	4	25	—	2	2	—	—	—	1	100	242.0	243.0	81261		243.61	4695		4930
	244.2 - 244.8 m EXTENSIVE QZVN WITH LARGE BRECCIATED																					
4	PYRITE GRAINS SCARCE WONG. AU OCCURS IN BRECCIATED Py (Asp)	17	.2	9	4	25	—	5	3	—	—	.03	1	100	243.0	244.0	81262		5 244.11 244.6	4080		5245
244.80 - 249.27m	QUARTZ TOURMALINE ZONE																					
5	LIGHT AND DARK BROWN TOURMALINE ARE FINELY	48	.2	9	6	3	—	10	20	—	.03	1	6	100	244.0	244.80	81263		8	53317*		63.7
	LAMINATED WITH CARBONATE AND SILICA ON A														244.80	245.51	81264			340		340
6	1mm SCALE. EUHEDRAL ARSENOPYRITE OCCURS AS	55	.1	9	9	5	—	2	40	—	—	1		100	245.51	246.0	81265			2740		2740
	DISCONTINUOUS TRAILS PARALLEL TO LAMINATION).														246.0	246.50	81266			2742		1542
7	SECONDARY QZ VEINS WITH NODULES OF BLACK TOURMALINE	30	.1	9	8	5	—	2	60	—	.01	1		100	246.5	247.53	81267			4645		7730
	CUT MOST PERPENDICULAR TO LAMINATIONS, OR AS LARGE																		247.2			
8	IRREGULAR VEINS. V.G. IS TYPICALLY IN CLUSTERS	20	.1	9	8	5	—	2	75	—	.01	1	1	100	247.53	248.0	81268		6	687		692
	ASSOCIATED WITH GALENA AND CHALCOPYRITE.														248.0	248.98	81269			1100		1150
9		20	.1	9	8	10	—	2	75	—	—	1		95	248.98	249.24	81270			2160		2470
249.27 - 258.37	CARBONATE GRAPHITE ALTERATION ZONE																					
250	SIMILAR TO 238.2m SOME SMALL QZ TOURMALINE	16	.2	9	4	20	—	10	20	—	—	1	.3	98	249.24	250.04	81271			496		
	VEINS HAVE BEEN BOUDINAGED AND THEN ROTATED IN																					
1	THE PLANE OF THE FOLIATION.	13	.1	9	4	15	—	—	1	—	—	.01	.3	95	250.04	251.0	81272			1190		1075
	251m FOLIATION IS AT 60° TO C.A.																					
2		18	.1	8	4	15	—	—	1	—	—	.01	.3	98	251.0	252.0	81273			220		
3		6	.1	8	3	25	—	—	—	1	—	—	.1	98	252.0	253.0	81274			5		
4		10	.1	8	3	30	—	1	—	1	—	—	.03	98	253.0	254.0	81275			NIL		
5		8	.1	7	3	25	—	2	—	1	—	—	.03	100	254.0	255.0	81276			NIL		
6		7	.1	7	3	30	—	1	—	1	—	—	.03	100	255.0	256.0	81277			NIL		
7		12	.1	8	3	35	—	—	—	1	—	—	.3	100	256.0	257.0	81278			NIL		
8		9	.1	7	3	25	—	—	—	—	—	—	.3	100	257.0	257.73	81279			15		
258.37 - 278.66m	ANKERITE SILICA ALTERATION ZONE														257.73	258.36	81280			NIL		
9	A PATCHY LIGHT BUFF BROWN COLOUR ASSOCIATED	11	1	7	4	10	—	5	1	—	—	—	1^{D}_{Mo}	100	258.36	258.90	81281			20		
	WITH THE MORE INTENSE ALTERATION. WITHIN THESE														258.90	259.67	81282		*	995	*.145	*266
260	PATCHES THE FOLIATION IS MARKED BY TRAILS	13	.1	5	7	10	—	5	1	—	—	—	1^{D}_{Mo}	100	259.67	260.36	81283			156		

DRILL HOLE H87-03 PROJECT MSS

CHEVRON MINERALS LTD — DIAMOND DRILL LOG

DATE

METRES	DESCRIPTION	% veins	MAG. SUSC.	SHEAR INT.	HARDNESS	ALTERATION & MINERALIZATION %	% RECOVERY	SAMPLING						
	cg, fg, mg—coarse, fine, medium grained; diss—disseminated; grva—greyvein; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein					d—disseminated, mv—microveined, p—pervasive, v—veined, sk—stockwork		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
261	ANKERITE SILICA ALTERATION ZONE													
	OF CHLORITE/SERICITE/PYRITE, CARBONATE VEINS	10	.1	5	4	20	100	260.85	261.40	81284		NIL		
2	GENERALLY PARALLEL THE FOLIATION, WHERE AS													
	QUARTZ VEINS SOMETIMES WITH TRACES OF	11	.1	4	4	25	100	261.40	262.35	81294		NIL		
3	TOURMALINE ARE DISCORDANT AND MORE COMMON													
	IN THE INTENSELY ALTERED SECTIONS, WHERE	8	.1	5	4	35	100	262.35	263.0	81296		NIL		
4	THE ALTERATION IS NOT INTENSE THE ROCK													
	IS SIMILAR TO THE SHEARED VOLCANICS AT	8	.1	6	4	5	100	263.0	264.0	81287		30		
	THE TOP OF THE HOLE.													
5	ALSO IN THE MORE INTENSE ALTERED	10	0	5	4	5	100	264.0	265.0	81288		220		
	ZONES THE ROCK HAS A LOT OF FINE QZ													
6	CRACKLE VEINS.	16	0	2	3	3	100	265.0	266.0	81289		963		475*
7		13	.1	6	5	10	100	266.0	267.0	81290		NIL		
8	267 m FOLIATION IS AT 50° TO C.A.	18	0	4	5	5	100	267.0	268.0	81291		60		
9		8	.1	2	5	2	100	268.0	269.0	81292		205		
270		12	.1	2	6	3	100	269.0	270.0	81293		70		
1		10	.1	4	4	10	100	270.0	271.0	81294		1610*	660*	215*
2		10	0	5	4	15	100	271.0	272.0	81295		NIL		
3		8	.1	4	4	20	100	272.0	273.0	81296		NIL		
4		7	.1	4	4	15	100	273.0	274.0	81297		NIL		
5		9	.1	4	4	20	100	274.0	276.0	81298				
6		7	.1	4	4	25	100	276.0	276.0	81299				
7	277 m FOLIATION IS AT 50° TO C.A.	5	.1	3	3	25	100	276.0	277.0	81300		10		
8	278.66 – 282.8 m TOURMALINE, CARBONATE, CHLORITE ZONE		.1	4	3	25	100	277.0	278.0	81301				
	FINE GRAINED WITH A PURPLE BROWN COLOUR WITH							278.0	279.66	81302				
9	GREEN TINTS. THE STRONG FOLIATION HAS BEEN FOLDED	1	.1	4	3	2	100	279.66	279.24	81303		120		
	AND RIBBONED FOLD HINGES OF QV VEINS ARE NO.													
280		16	.1	4	4	5	100	279.24	280.0	81304		16		

DRILL HOLE 487.03 PROJECT M588

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE

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

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

METRES	DESCRIPTION	% VEIN	MAG. SUSC. 10^{-6} cgs	SHEAR INT. 0-10	HARDNESS 0-10	Cal	Ank	Ser	Tour	gf	Cp	Aspy	Py	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
	TOURMALINE, CARBONATE CHLORITE ZONE																					
291	BOTH UPPER AND LOWER CONTACTS ARE GRADATIONAL. SECONDARY QZVNS UP TO 3cm OCCUR	2	.1	4	5	5			50				.1	95	280.0	281.0	81305			395		
2	IN LOWER PORTION. CHLORITE PROBABLY FORMS UP TO 20% AND IS AN ALTERATION MINERAL.	1	0	5	5	2			50				.1	95	281.0	281.78	81306			430		
															281.78	282.42	81307			640		
3	282.8 – 283.75m QUARTZ TOURMALINE ZONE BOTH CONTACTS ARE GRADATIONAL. THE CHLORITE	18	.1	4	6	2		1?	60			1	.1	95	282.42	283.0	81308			1320	*	1267*
4	CONTENT RAPIDLY DROPS ACROSS THE CONTACT AND THE CO_3 CONTENT ALSO DROPS, THOUGH IT HAS A	22	.2	6	5	3		5	50			1	.01	100	283.0	284.0	81309			600		
5	SIMILAR APPEARANCE TO CO_3 VEINS IN ABOVE UNIT WITH AN OBLIQUE SHEAR FOLIATION SUPERIMPOSED TO LAMINATIONS	13	.2	6	5	5		10	30			.1	.01	100	284.0	284.79	81310			425		
															284.79	285.30	81311			310		
6	283.75 – 288.73m CARBONATE, TOURMALINE SERICITE ZONE TEXTURALLY SIMILAR TO THE ABOVE TWO ZONES	12	0	5	7	2		10	10			.3	.03	100	285.30	286.0	81312			20		
7	WITH TOURMALINE SERICITE RICH LAMELLAE UP TO 2mm THICK PARALLEL TO THE FOLIATION. THE	10	0	6	4	2		10	5				.3	100	286.0	287.0	81313			15		
8	ROCK IS A DIRTY MEDIUM GREEN LARGELY DUE TO COLOURATION PRIOR TO ALTERATION.	7	0	6	4	2		10	10				.3	100	287.0	288.0	81314			5		
															288.0	288.73	81315			335		
9	288m FOLIATION IS AT 44° TO C.A. 288.73 – 291.48m QUARTZ TOURMALINE ZONE	8	0	7	4	1		5	15			.3	.3	100	288.73	289.46	81316			9225*	12960*	
290	SIMILAR TO 282.8m WITH SOME BRECCIATION ASSOCIATED WITH THE QZVNS AT THE TOP OF THE ZONE.	40	0	3	8	2			25			2		100	289.46	290.0	81317			760		
1	291.48 – 292.30m CARBONATE TOURMALINE SERICITE ZONE.	34	0	3	10	1			50			.3		100	290.0	291.0	81318			755		
															291.0	291.48	81319			205		
2	STRONGLY CRENULATED WITH BOUDINAGED CO_3 VEINS LIGHT BROWN AND FINE GRAINED	23	0	4	5	1		10	15				1	100	291.48	292.29	81320			65		
3	292.30 – 295.4m QUARTZ TOURMALINE ZONE SIMILAR TO 282.8m	19	0	3	5			5	20			1	.3	100	292.29	293.0	81321			695		
4	293m FOLIATION IS AT 57° TO C.A.	29	0	5	6	1		2	30			1	.3	100	293.0	294.0	81322			740		
5	295.4 – 297.5m CARBONATE TOURMALINE SERICITE ZONE SIMILAR TO 291.48m	28	0	4	9				50			.3		100	294.0	295.0	81323			1105		
															295.0	295.39	81324			110		
6		22	0	5	7	1		2	15			1	.3	100	295.39	295.86	81325			1235		
															295.86	296.61	81326			1340		
7	297.5 – 297.65m QUARTZ TOURMALINE ZONE	7	0	7	5	5		2	2			.1	.1	100	296.61	297.19	81327			900		
															297.19	297.64	81328			550		
8	297.65 – 297.9m CARBONATE TOURMALINE SERICITE ZONE 297.9 – 299.1m QUARTZ TOURMALINE ZONE	10	0	7	5	2		5	5				.1	100	297.64	298.73	81329			100		
9	299.1 – 300.45m CARBONATE ZONE	10	0	8	8	1			40			.1	.1	100	298.73	299.42	81330			2330		
300	FINE GRAINED, OFF GREY COLOUR WITH FINE SERICITE/TOURMALINE LAMELLAE WHICH IS FOLDED AND 2ND FOLIATION // TO AXIAL PLANE	10	0	5	5	2		10	10			.01		100	299.42	300.23	81331			15		

DRILL HOLE H87-08 PROJECT 1688 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 14 OF 19

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

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

METRES	DESCRIPTION	% rain	MAG. SUSC. 10⁻³ cgs	SHEAR INT. 0-10	Hardness 0-10	Qtz	Ank	Ser	Trm	gt	Cp	Aspy	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	V G	Au ppb	Au oz/t	CHK
301	300.45 - 301.25 m QUARTZ TOURMALINE ZONE	13	.1	1	7	1		3	10			.1	.03	100	300.23	300.72	51332			4037*	3907*	
	301.25 - 303.7 m CARBONATE ZONE														300.72	301.35	51333			500		
2	GRADATIONAL CONTACTS, LIGHT GREY WITH SOFT WHITE-	12	0	5	6	2		5	5			.03		100	301.35	302.0	51334			1460		
3	ALTERNATED CO_3 VEINS, WHITE AND GREENMARBER	3	0	5	4	1		15				.01		100	302.0	303.0	51335			20		
	AND LOCALLY THE AXIAL PLANER FOLIATION (AT																					
4	1CM SPACED SHEAR ZONES PARALLEL TO IT. 303.7 - 326.0 m SERICITE CARBONATE GRAPHITE ZONE	7	.1	5	4	2		15	5					100	303.0	304.0	51336			470		
	BROWNISH GREY TO A DIRTY GREEN DEPENDING																					
5	ON THE ALTERATION INTENSITY. ABUNDANT CO_3 VEINS	1	0	6	4	5		15	5					100	304.0	305.0	51337			6		
	HAVE BEEN EXTENSIVELY SHEARED AND REFOLDED																					
6		5	0	6	4	2		15	1				.03	100	305.0	306.0	51338			410		
	306.2 m TWO SMALL V.G. BEARING QUAR IN A 1CM QTZVN																		306.2			
7	307.4 m 6CM QUARTZ TOURMALINE VEIN.	4	0	7	4	2		15					.03	100	306.0	307.0	51339		2	1515*	1917*	
8	308 m FOLIATION IS AT 63° TO C.A.	10	0	8	4	5		15	3				.01	100	307.0	308.0	51340			10186*	7677*	6170*
9		3	.1	7	4	5		15				.01	.03	98	308.0	309.0	51341			85		
	309.4 m 2CM QUARTZ TOURMALINE VEIN																					
310		10	.1	7	4	5		11	2				.1	98	309.0	310.0	51342			550		
1		9	0	7	4	10		10					.03	100	310.0	311.0	51343			10		
2		3	0	5	4	15		10					.3	100	311.0	312.0	51344			1180		
3		1	0	6	4	20		5					.3	100	312.0	313.0	51345					
4		5	0	5	4	5		5					1	100	313.0	314.0	51346			35		
5		2	0	5	4	10		15					.3	100	314.0	316.0	51347			NIL		
6		4	0	4	4	10		15					.3	100	316.0	316.0	51348					
7		2	0	4	4	10		18	Tr				.3	100	316.0	317.0	51349			650		
															317.0	317.72	51350					
8	317.80 - 317.95 m QUARTZ TOURMALINE ZONE	8	0	6	5	10		18	4				.1	100	317.72	318.0	51351			4200*		5635*
9		4	0	5	4	25		5					.1	100	318.0	319.0	51352					
	319 m AXIAL PLANE SHEAR FOLIATION IS AT 65° TO C.A.																					
320	PRIMARY FOLIATION IS AT 40° TO C.A.	2	.1	4	4	25		3					.01	100	319.0	320.0	51353			NIL		

DRILL HOLE HS7.03 PROJECT M588 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 4 OF 17

METRES	DESCRIPTION	Fe %	MAG. SUSC.	SHEAR INT.	HARDNESS	ALTERATION & MINERALIZATION %	% RECOVERY	SAMPLING						
	cg, fg, mg—coarse, fine, medium grained — diss—disseminated — grva—greyvein; sfol, mfol, wfol—strong, medium, weak foliation — qzva—quartz vein					d—disseminated — p—pervasive — v—veined; mv—microveined — sk—stockwork: CHL ANK SER TOUR qf Cp PYR Py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
321	SERICITE CARBONATE GRAPHITE ZONE	5	0	6	4	20 — 5 — — — — — .01	100	320.0	321.0	81754					
2	2	7	0	6	4	20 — 5 — — — — — .03	100	321.0	322.0	81755					
3	322.9 - 323.25 SCHISTOSITY CARBONATIZED AND SILICIFIED SECTION	2	0	6	4	20 — 5 — — — — — —	100	322.0	323.0	81756			NIL		
4		1	0	6	5	15 — 3 — — — — — .03	100	323.0	324.0	81757					
5	324m FOLIATION IS AT 47° TO C.A.	6	0	6	4	20 — 1 — 1 — — — .1	100	324.0	325.0	81758					
6	326.0 - 411.99 SHEARED VOLCANICS	11	0	6	4	25 — — — 1 — — — .3	100	325.0	326.0	81759			NIL		
7	GRADATIONAL CONTACT, AND THE ROCK IS THE SAME AS AT 132.65m	9	.1	5	4	15 — — — — — — — .1	95	326.0	327.0	81760					
8	326 - 336m PYRITE OCCURS AS COARSE EUHEDRAL CRYSTALS, UNEVENLY DISTRIBUTED IN THE VOLCANICS	12	0	5	4	10 — — — — — — — .1	100	327.0	328.0	81761			NIL		
9		8	0	3	4	10 — — — — — — — 1	100	328.0	329.0	81762					
330		9	.1	4	4	10 — — tr — — — — 1	100	329.0	330.0	81763					
1		5	.1	3	4	10 — — — — — — — .3	100	330.0	331.0	81764					
2		5	.1	3	4	10 — — — — — — — .1	100	331.0	332.0	81765			40		
3		3	.1	3	4	10 — — — — — — — .3	100	332.0	333.0	81766					
4		3	.1	3	4	10 — — — — — — — 1	100	333.0	334.0	81767					
5		10	.1	4	4	10 — — 1 — — — — 1	100	334.0	335.0	81768			NIL		
6	336m FOLIATION IS AT 50° TO C.A.	9	.1	5	4	25 — — 2 — — — — 1	100	335.0	336.0	81769					
7		6	.1	4	4	20 — — 1 — — — — .1	100	336.0	337.0	81770					
8		3	0	5	4	15 — — — — — — — .03	100	337.0	338.0	81771			NIL		
9		2	0	4	4	15 — — — — — — — .01	100	338.0	339.0	81772					
340		2	.1	4	5	5 — — — — — — — .03	100	339.0	340.0	81773					

DRILL HOLE H87.03 PROJECT H588 **CHEVRON MINERALS LTD -- DIAMOND DRILL LOG** DATE PAGE 16 OF 19

DESCRIPTION

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

SHEARED VOLCANICS

343 – 346.5m THE ROCK IS A LIGHT GREEN FINE TO MEDIUM GRAIN AND FRIABLE IS A MAFIC CALC ALKALINE FLOW.

346 m FOLIATION IS AT 60° TO C.A.

356 m FOLIATION IS AT 63° TO C.A.

METRES	% pyr	MAG. SUSC. 10⁻⁶ cgs	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % d—disseminated mv—microveined p—pervasive v—veined sk—stockwork: CHL	ANK	SER	TRM	qz	Cp	ARPY	Py	% RECOVERY	SAMPLING: FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
341	4	.1	3	5	10								100	340.0	341.0	81374		5		
2	2	.1	5	5	15									341.0	342.0	81375				
3	1	.1	4	5	15							.03		342.0	343.0	81376				
4	12	.1	2	5	15									343.0	344.0	81377		NIL		
5	2	.1	2	5	3									344.0	345.0	81378				
6	3	.1	3	5	5									345.0	346.0	81379		NIL		
7	8	.1	3	5	10									346.0	347.0	81379				
8	2	.1	5	5	15									347.0	348.0	81380				
9	18	.2	6	4	20									348.0	349.0	81381				
350	3	.1	5	4	25									349.0	350.0	81382		NIL		
1	4	.1	5	4	20									350.0	351.0	81383				
2	5	.1	5	5	20									351.0	352.0	81384				
3	5	.1	5	5	20									352.0	353.0	81385		5		
4	6	.1	5	5	15									353.0	354.0	81386				
5	12	.1	5	5	15									354.0	355.0	81387				
6	3	.1	5	5	10									355.0	356.0	81388		NIL		
7	1	.1	5	5	10									356.0	357.0	81389				
8	5	.1	5	5	15									357.0	358.0	81390				
9	5	.1	4	5	5									358.0	359.0	81391		NIL		
360	3	.1	5	5	11								100	359.0	360.0	81392				

DRILL HOLE 87-03 PROJECT 1588 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 17 OF 19

METRES	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained — disa—disseminated — grva—greyvein; sfol, mfol, wfol—strong, medium, weak foliation — qzva—quartz vein)	% MIN	MAG. SUSC. 10⁻³ cgs	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated — p—pervasive — v—veined — mv—microveined — sk—stockwork) Hm	Anh	Ser	Tmx	qz	Cp	Asp	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
361	SHEARED VOLCANICS	3	.2	4	5	15	—	—	—	—	—	—	—	100	360.0	361.0	81393			—	—	—
	361.4m 5cm zone with abundant																					
2	HYDROCHASTOE MATERIAL	4	.1	6	5	15	—	—	—	—	—	—	—		361.0	362.0	81394			.10	—	NIL
3		6	.1	5	5	10	—	—	—	—	—	—	—		362.0	363.0	81395			—	—	—
4		15	.1	4	5	10	—	—	—	—	—	—	.01		363.0	364.0	81396			—	—	—
5		2	.1	4	5	5	—	—	—	—	—	—	—		364.0	365.0	81397			NIL	—	—
6	366m FOLIATION IS AT 47° TO C.A.	1	.1	4	5	10	—	—	—	—	—	—	.01		365.0	366.0	81398			—	—	—
7		3	.1	4	6	5	.	.	.						366.0	367.0	81399			—		
8		1	.4	4	5	5	.	—	.						367.0	368.0	81400			NIL		
9		1	.3	5	5	5	.	.	.						368.0	369.0	81401					
370			.1	3	5	5	.	.	.						369.0	370.0	81402					
1		1	.2	4	5	5	.	.	.						370.0	371.0	81403			NIL		
2		1	.1	4	5	5	.	.	.						371.0	372.0	81404					
3		2	.2	3	5	5	.	.	.						372.0	373.0	81405					
4		6	.1	3	5	10	.	.	.	/		-	.03		373.0	374.0	81406			NIL		
5		2	.1	4	4	15	.	.	.						374.0	375.0	81407					
6		3	.1	4	5	15	.	.	.						375.0	376.0	81408					
7	377m FOLIATION IS AT 57° TO C.A.	1	.1	3	5	5	.	.	.					100	376.0	377.0	81409			NIL		
8		1	.1	3	4	20								100	377.0	378.0	81410					
9		1	.1	5	5	20								95	378.0	379.0	81411					
380		1	.1	4	5	10								99	379.0	380.0	81412			NIL		

DRILL HOLE H87-08 PROJECT M588 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 10 OF 14

METRES	DESCRIPTION	% vein	MAG. SUSC. 10⁻³ cgs	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated, mv—microveined, p—pervasive, v—veined, sk—stockwork) ANL	ANK	SER	TRM	qt	Cp	Py	Po	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
381	SHEARED VOLCANICS	2	.1	4	5	20																
2		1	.1	3	5	15								100	380.0	381.0	81413					
3		2	.1	3	5	10								100	381.0	382.0	81414					
4	384 m FOLIATION IS AT 30° TO C.A.	5	.1	5	5	10								100	382.0	383.0	81415			NIL		
5			.1	5	5	10								100	383.0	384.0	81416					
6	385 m FOLIATION IS FOLDED BUT GENERALLY IS AT 20° TO C.A.	1	.1	4	5	5								100	384.0	385.0	81417					
7														100	385.0	386.0	81418			NIL		
8	386 - 402m FOLIATION IS ROUGHLY PARALLEL TO C.A. WITH SOME LARGE SCALE CREN ULATION FOLDS	1	0	4	5	10								100	386.0	387.0	81419					
9		2	0	3	1	10							.01	100	387.0	388.0	81420					
390	IN THIS SAME INTERVAL THE DELICATE NATURE AND FINESS OF COMPOSITIONAL BANDING SUGGEST A PRIMARY ORIGIN PROBABLY A TUFFACEOUS	1	0	2	1	5								100	388.0	389.0	81421			NIL		
1		2	.1	3	5	5								98	389.0	390.0	81422					
2	HORIZON. HOWEVER, ABOVE AND BELOW THE SHEARING HAS OBLITERATED THE DELICATE BANDING.	3	0	2	6	5								98	390.0	391.0	81423					
3		2	0	2	5	5								98	391.0	392.0	81424			NIL		
4		1	.1	2	5	5								100	392.0	393.0	81425					
5		1	.2	3	6	10								100	393.0	394.0	81426					
6			0	2	6	5								100	394.0	395.0	81427			NIL		10
7		1	.1	3	5	5								100	395.0	396.0	81428					
8		1	.1	4	5	5								100	396.0	397.0	81429					
9		2	.2	4	5	3								100	397.0	398.0	81430			NIL		
400		1	0	3	5	5							.01	100	398.0	399.0	81431					
		4	.1	3	5	5								100	399.0	400.0	81432					

DRILL HOLE H87.03 PROJECT H588 CHEVRON MINERALS LTD -RQD LOG DATE 31 Dec 87 PAGE 1 OF 4

FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD	FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD
43.0	44.0	1.0	.85	85	.33	33	93.10 *	94.4	1.30	1.21	100*	.68	48*
44.0	45.48	1.48	1.5	100	.71	46	94.4	97.16	2.76	2.64	95	2.19	79
45.48	46.7	1.22	1.1	90	.11	9	97.16	100.12	2.96	2.95	99	1.70	57
46.7	49.44	2.74	2.65	96	1.06	39	100.12	101.0	.88	.89	100	.81	81
49.44	51.58	2.14	2.03	95	.75	35	101.0	102.65	1.65	1.53	93	.56	34
51.58	56.0	4.42	4.40	99	3.32	75	102.65	103.7	1.05	1.06	100	.56	53
56.0	59.0	3.0	2.95	98	2.72	91	103.70	104.6	.90	.73	81	.0	0
59.0	62.0	3.0	2.99	100	1.87	62	104.60	105.34	.74	.30	40	.0	0
62.0	65.0	3.0	2.63	88	1.90	63	105.34	106.11	.77	.53	69	.0	0
65.0	67.21	2.21	2.4	100	.88	40	106.11	107.0	.89	.92	100	.50	56
67.21	70.33	3.12	3.18	100	1.75	56	107.0	109.6	2.60	2.47	95	1.27	49
70.33	73.48	3.15	3.16	100	2.40	76	109.6	111.56	1.96	1.82	93	.73	37
73.48	74.82	1.34	1.36	100	.30	22	111.56	113.0	1.44	1.35	93	.27	19
74.82	77.0	2.18	2.18	100	1.68	77	113.0	114.02	1.02	.95	93	.25	24
77.0	79.17	2.17	2.24	100	1.0	46	114.02	116.0	1.98	1.43	72	.0	0
79.17	80.89	1.72	1.64	95	.99	57	116.0	117.7	1.70	.54	31	.0	0
80.89	83.0	2.11	1.75	82	.34	16	117.7	119.0	1.30	1.10	84	.33	25
83.0	84.40	1.40	1.45	100	.45	32	119.0	119.4	.40	.38	95	.0	0
84.40	86.0	1.60	1.30	81	.27	18	119.4	122.0	2.60	2.34	90	.92	35
86.0	86.9	.90	.92	100	0	0	122.0	123.8	1.8	1.56	86	.40	22
86.90	89.0	2.10	2.01	96	1.73	82	123.8	125.0	1.20	1.17	97	.65	54
89.0	92.0	3.0	2.82	94	1.93	64	125.0	128.0	3.0	2.82	94	1.89	67
92.0	93.1 *	1.10	1.26	100 *	.47	48*	128.0	131.0	3.0	3.06	100	2.09	70

DRILL HOLE 1187.07 PROJECT M588 CHEVRON MINERALS LTD -RQD LOG DATE 31 Dec 87 PAGE 2 OF 4

FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD	FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD
131.0	134.0	3.00	2.80	93	2.47	82	194	197	3.00	2.99	100	2.42	81
134.0	137.0	3.00	3.23	100	2.09	70	197	200	3.00	2.85	95	2.48	80
137.0	140.0	3.00	2.88	96	1.63	54	200	203	3.00	3.03	100	2.49	83
140.0	142.61	2.61	2.40	80	.48	16	203	206	3.00	2.93	97	2.60	86
142.61	145.65	3.04	3.05	100	1.55	51	206	209	3.00	2.93	97	2.84	94
145.65	148.64	2.99	2.90	96	2.02	68	209	212	3.00	2.95	98	2.80	93
148.64	151.80	3.16	3.17	100	2.21	70	212	215	3.00	3.02	100	2.76	91
151.80	153.73	1.93	1.91	98	1.56	82	215	218	3.00	2.98	99	2.71	90
153.73	155	1.27	1.26	99	.89	70	218	221	3.00	3.00	100	2.49	83
155	156.26	1.26	1.12	88	.70	55	221	224	3.00	2.97	99	2.32	77
156.26	158.40	2.14	1.95	91	1.18	55	224	227	3.00	2.95	98	2.67	89
158.40	161	2.60	2.56	98	2.32	89	227	230	3.00	2.95	98	2.75	91
161	164	3.00	3.00	100	2.53	84	230	233	3.00	3.00	100	2.43	81
164	167	3.00	2.97	99	2.48	83	233	236	3.00	2.95	98	2.32	77
167	170	3.00	2.98	99	2.74	91	236	239	3.00	3.00	100	2.49	83
170	173	3.00	2.95	98	2.10	70	239	242	3.00	3.00	100	2.69	89
173	176	3.00	2.97	99	2.61	87	242	245	3.00	2.99	99	2.35 Grit zone	75 SW*
176	179	3.00	2.99	100	2.68	89	245	248	3.00	2.97	99	1.12 Grit zone	37 SW*
179	182	3.00	3.03	100	2.72	91	248	251	3.00	3.00	100	.94 Grit zone Siltstone fgd	31 SW*
182	185	3.00	3.03	100	2.61	87	251	254	3.00	3.00	100	1.80	60 SW*
185	188	3.00	3.02	100	2.78	93	254	257	3.00	2.94	98	2.61	87
188	191	3.00	2.96	98	2.59	86	257	260	3.00	3.01	100	2.59	86
191	194	3.00	3.01	100	2.65	88	260	263	3.00	2.91	97	1.57	52

DRILL HOLE H87.03 PROJECT M538 CHEVRON MINERALS LTD -RQD LOG DATE 31 Dec. 87 PAGE 3 OF 4

FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD	FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD
263	266	3.00	3.00	100	2.62	87							
266	269	3.00	2.99	99	2.67	89							
269	272	3.00	2.97	99	2.63	87							
272	275	3.00	3.06	100	2.97	99							
275	278	3.00	2.97	99	2.48	82							
278	281	3.00	2.82	94	.93 278.00-281	31 60*							
281	282.94	1.94	1.70	91	.34 Split core	17 60*							
282.94	284	1.06	1.06	99	282.94-284.00 .22	20 60*							
284	287	3.00	3.00	100	2.59	96							
287	290	3.00	2.91	97	2.53	77							
290	293	3.00	2.94	99	2.73	91							
293	296	3.00	3.00	100	2.64	88							
296	299	3.00	2.91	97	2.46	82							
299	302	3.00	2.94	98	2.78	92							
302	305	3.00	2.98	99	2.57	85							
305	308	3.00	2.94	99	2.33	77							
305	311	6.00	5.94	99	4.93	81							
311	317	3.00	3.00	100	2.71	90							
317	320	3.00	2.99	99	2.63	87							
320	323	3.00	2.95	99	2.62	87							
323	326	3.00	2.94	98	2.48	82							
326	329	3.00	3.00	100	2.44	81							
329	332	3.00	3.00	100	2.80	93							

DRILL HOLE 457.03 PROJECT M695 **CHEVRON MINERALS LTD -RQD LOG** DATE 31 Dec. '87 PAGE 4 OF 4

FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD	FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD
332	335	3.00	2.78	99	2.69	89	401	404	3.00	2.94	98	2.86	95
335	338	3.00	3.00	100	2.45	81	404	407	3.00	3.00	100	2.66	89
338	341	3.00	2.95	98	2.72	90	407	410	3.00	3.04	100	2.98	99
341	344	3.00	3.04	100	2.91	97	410	411.99 ECH	1.99	1.84	92	1.74	87
344	347	3.00	2.99	99	2.73	91							
347	350	3.00	2.75	95	2.80	93							
350	353	3.00	3.00	100	2.91	97							
353	356	3.00	3.00	100	2.67	89							
356	359	3.00	3.04	100	2.72	90							
359	362	3.00	3.00	100	2.77	92							
362	365	3.00	2.98	99	2.49	83							
365	368	3.00	3.00	100	2.71	90							
368	371	3.00	3.00	100	2.83	94							
371	374	3.00	3.00	100	2.71	90							
374	377	3.00	3.00	100	2.84	94							
377	380	3.00	2.92	97	1.79	59							
380	383	3.00	3.00	100	2.77	92							
383	386	3.00	3.00	100	2.67	89							
386	389	3.00	2.96	99	2.15	71							
389	392	3.00	3.00	100	0	0							
392	395	3.00	2.85	95	2.69	89							
395	398	3.00	2.85	95	2.64	88							
398	401	3.00	3.00	100	2.64	88							

DRILL HOLE H87.04 PROJECT H588 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE 16 JAN 88 PAGE OF

AREA Bristol Twp
CLAIM PM 40 / 499934
CORE SIZE NQ
LOGGED BY S.L.F / D. Clark
DATE STARTED 13 Dec 87
DATE COMPLETED 11 Jan 88
CONTRACTOR Bradley Bros
UNITS
COMMENTS Started the hole at 46° and pushed the NW casing as fast as possible. Due to seismic vibration in the casing caused numerous rods to shear. The drill was then moved up and reset at 49° Dip. 48' of HW casing was sonic. Rods continued to break, upon completion only 6' of HW casing was recovered and no NQ was recovered.

AZIMUTH
DIP

		DOWNHOLE	VERTICAL
DEPTH	OVERBURDEN	49m	
	HOLE	379m	
ELEVATION			
CO-ORDINATES		48+50 E	
		80+65 N	

DOWNHOLE SURVEY DATA

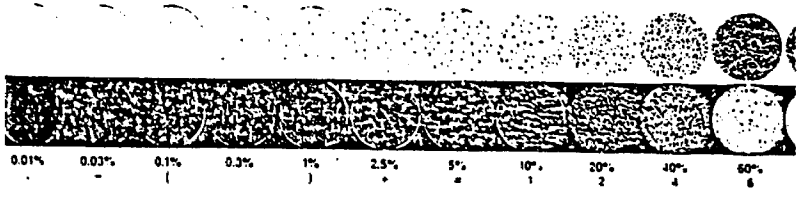
DEPTH	APPARENT DIP	TRUE DIP	AZIMUTH	INSTRUMENT
0 m		49°	180°	
17 m		48°		Sperry
47 m		47°		
77 m		46°	186°	
137 m		45°	182°	
197 m		44°	188°	
257 m		42°	183°	
317 m		39°	182°	
377 m		36°	187°	

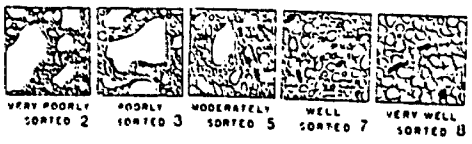
DRILL HOLE SUMMARY – REASON FOR DRILLING HOLE AND RESULTS

This hole was spotted so as to test the down dip extension of the arsiferous quartz / tourmaline zone.

Due to different drilling conditions and geology at the top of the hole this hole effectively duplicated H87.03 by flattening more than the previous hole.

Numerous visible gold grains occur in the upper tourmaline zone and in the central alteration zone.





GEOLOGY SUMMARY

FROM	TO	UNIT
0	49	Overburden
49	128.3	Arenite / wacke
128.3	140.0	Silicified wacke / breccia
140.0	143.9	Silicified feld porphyry
143.9	150.95	Silicified breccia / graphitic unit
150.95	268.2	Sheared volcanic
268.2	276.55	Carbonate/sericite/graphitic alteration
276.55	279.5	Quartz tourmaline zone
279.5	291.3	Quartz/carbonate/sericite/tourmaline alteration
291.3	310.2	Tourmaline carbonate zone
310.2	312.5	Silicified zone
312.5	379	Sheared volcanic

SIGNIFICANT ASSAYS

FROM	TO	WIDTH	Au oz/ton

DRILL HOLE 497.04 PROJECT IN598 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE PAGE 1 OF 17

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

METRES	% VEIN	MAG. SUSC. 10⁻³ CGS	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated p—pervasive q—veined mv—microveined sk—stockwork) CAL	ANK	SER	TRACE	qtz	C	CHLY	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
0-49m Overburden fine sand with basal gravel																					
50	0	0	1	5	1	—	—	—				0	60	49.0	50.0	81445					
														50.0	51.0	81446					
1	1	0	1	5	1	—	—	—				0	70	51.0	52.0	81447					
2	1	0	1	4	1	—	—	—				0	70	52.0	53.0	81448					
3	0	0	1	5	1	—	—	—				0	70	53.0	54.0	81449					
4	0	0	1	5	1	—	—	—				0	70	54.0	55.0	81450					
5	0	0	1	5	0	—	—	—				0	70	55.0	56.0	81451					
6	3	0	2	6	1	—	—	—				1% mv	90	56.0	57.0	81452					
7	1	0	1	5	2	—	—	—				.1	90	57.0	58.0	81453					
8	0	.1	1	6	3	—	—	—				.3	80	58.0	59.0	81454					
9	1	0	1	5	3	—	—	—				.1	90	59.0	60.0	81455					
60	1	0	1	5	1	—	—	—				.03	90	60.0	61.0	81456					
1	2	0	1	6	5	—	—	—				.3	98	61.0	62.0	81457					
2	1	0	1	6	5	—	—	—				1	98	62.0	63.0	81458					
3	4	0	1	6	5	—	—	—				1	95	63.0	64.0	81459					
4	1	0	1	6	3	—	—	—				.3	98	64.0	65.0	81460					
5	1	0	1	5	3	—	—	—				1	98	65.0	66.0	81461					
6	5	0	1	5	5	—	—	—				.1	98	66.0	67.0	81462					
7	2	0	1	5	2	—	—	—				1	98	67.0	68.0	81463					
8	0	0	1	5	2	—	—	—				.1	98	68.0	69.0	81464					
9	1	0	1	5	1	—	—	—				.1	98	69.0	70.0	81465					
70																					

58m Bedding at 55° to c.a., graded bedding non-definitive but suggest tops down hole?

60m Bedding at 64° to c.a.

67m Bedding at 57° to c.a.

70.66m Cross trough bedding

Wackes are dark grey and fine gr. (<0.1mm). Bedding thickness from 1 to 15mm conformable to arenites. Arenites are medium grey and have a grain size up to 1mm. Unit is cut by irregular calcite veinlets (hairline to 15mm) 1-5 veinlets per metre. Arenite bedding thickness 1-50cm. Quartz veins (2-4cm ave.) occassional throughout, parallel to bedding

DRILL HOLE H91.04 PROJECT M598 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE

METRES	DESCRIPTION (cg, fg, mg—coarse, fine, medium grained; sfol, mfol, wfol—strong, medium, weak foliation; diss—disseminated; grvn—greyvein; qzvn—quartz vein)	% VEIN	MAG. SUSC. 10⁻⁶ CGS	SHEAR INT. 0-10	HARDNESS 0-10	CAL	ANK	SER	TOUR	gf	Cp	ASY	Py	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
	Interbedded Arenites and Wackes																					
71		0	0	1	5	3	—	—	—	—	—	—	.1	95	70.0	71.0	81466					
2	72.4-72.6 Brecciated zone - angular fragments up to 2cm in a quartz matrix (ie "rehealed"). Footwall of zone in a 10cm thick coarse grain quartz vein. Hanging wall shows minor gentle folding of beds.	8	0	1	6	2	—	—	—	—	—	—	.1	95	71.0	72.0	81467					
3		12	0	1	6	1	—	—	—	—	—	—	.1	95	72.0	73.0	81468					
4		1	0	1	5	1	—	—	—	—	—	—	.3	95	73.0	74.0	81469					
5	75.5m Bedding 57° to c.a.	1	0	1	5	3	—	—	—	—	—	—	.3	95	74.0	75.0	81470					
6		4	0	1	6	2	—	—	—	—	—	—	.3	95	75.0	76.0	81471					
7	77.2-77.3m Wacke shows gentle folding of beds	0	0	1	5	1							.3	95	76.0	77.0	81472					
8	Unit begins to show occassional minor faulting of bedding planes and the occasional gentle folding	2	0	1	5	3							1mv	98	77.0	78.0	81473					
9		0	0	1	5	5							2	99	78.0	79.0	81474					
80		2	0	1	5	5							.3	98	79.0	80.0	81475					
1	81.8m Fault gouge (5cm)	1	.1	0	5	10							.3	98	80.0	81.0	81476					
2		1	0	1	5	1							.1	95	81.0	82.0	81477					
3		1	0	1	6	5							.3	95	82.0	83.0	81478					
4		2	0	1	5	2							1mv	90	83.0	84.0	81479					
5		6	0	1	5	1							1	90	84.0	85.0	81480					
6		4	0	1	5	1							.3	90	85.0	86.0	81481					
7		1	.1	1	5	3							.1	98	86.0	87.0	81482					
8	88.67-88.92 m Quartz vein, med. gr. with grey blotches	1	0	1	5	5							.1	95	87.0	88.0	81483					
9		25	.1	1	5	5				?			.1	95	88.0	89.0	81484					
90	89.30-89.50m Brecciated zone angular fragments up to 2cm in qtz-calcite matrix	7	0	1	5	3							.3	95	89.0	90.0	81485					

DRILL HOLE H97.04 PROJECT M598

CHEVRON MINERALS LTD DIAMOND DRILL LOG

DATE

METRES	DESCRIPTION cg, fg, mg—coarse, fine, medium grained; diss—disseminated; grvn—greyvein; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein	% Vein	MAG. SUSC. 10^{-6} cgs	SHEAR INT. 0-10	Hardness 0-10	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stackwork) Carb	Ank	Ser	Tour	gf	Gp	Aspy	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
91	Interbedded Arenites and Wackes	1	0	1	6	5							1	96	90.0	91.0	81486					
2		2	0	2	6	2							.3	96	91.0	92.0	81487					
3	94m Bedding 65° to c.a.	2	0	1	5	2							.1	97	92.0	93.0	81488					
4	94.4m Graded bedding, non-definitive but	3	0	1	6	3							.1	98	93.0	94.0	81489					
5	suggests younging up hole.	2	1	1	6	1							1	97	94.0	95.0	81490					
6		1	0	1	5	1							.3	97	95.0	96.0	81491					
7		3	0	1	6	1							.3	100	96.0	97.0	81492					
8		4	.1	1	5	3							.3	100	97.0	98.0	81493					
9		4	0	1	7	3							.1	98	98.0	99.0	81494					
100		3	0	1	6	2							.3	98	99.0	100.0	81495					
1	101m Bedding 64° to c.a.	2	0	1	6	2							.1	99	100.0	101.0	81496					
2		1	0	1	6	2							.03	99	101.0	102.0	81497					
3		1	0	1	5	3							.1	99	102.0	103.0	81498					
4		2	0	1	6	2							.3	100	103.0	104.0	81499					
5		3	0	1	6	5							.3	97	104.0	105.0	81500					
6		4	0	1	6	5							.1	98	105.0	106.0	82001					
7		3	0	1	6	2							.1	90	106.0	107.0	82002					
8	108m Bedding 45° to c.a.	1	0	1	5	2							.3	95	107.0	108.0	82003					
9	109.1m Fault gouge (10cm)	1	0	1	6	1							.3	95	108.0	109.0	82004					
110		6	0	1	6	2							.1	100	109.0	110.0	82005					

DRILL HOLE H87-04 PROJECT M588 **CHEVRON MINERALS LTD · DIAMOND DRILL LOG** DATE PAGE 4 OF 17

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

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

METRES	DESCRIPTION	% VEIN	MAG. SUSC. 10⁻³ cgs	SHEAR INT. 0-10	HARDNESS 0-10	CHL	ANK	SER	TMA	gl	Qz	ANHY	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
111	Interbedded Arenites and Wackes	4	0	1	6	2							.3	98	110.0	111.0	82006					
2	110m Unit becomes predominantly arenites with occasional interbedded wackes, vein/veinlet frequency increases, core angles difficult to determine	2	0	1	6	2							.1	98	111.0	112.0	82007					
3		6	0	1	6	5							1	90	112.0	113.0	82008					
4		3	0	1	6	5							.3	100	113.0	114.0	82009					
5	115.4 - 119.3m Silified zone, zone shows minor quartz flooding	1	0	1	6	5							.3	100	114.0	115.0	82010					
6		6	0	1	6	3							.3	95	115.0	116.0	82011					
7		12	0	0	7	10					.03		2	98	116.0	117.0	82012					
8		7	0	0	7	10							.03	95	117.0	118.0	82013					
9		5	0	1	7	5							.3	97	118.0	119.0	82014					
120		2	0	1	6	3							.3	97	119.0	120.0	82015					
1		4	0	1	6	5							.1	96	120.0	121.0	82016					
2		8	0	1	6	5							1	98	121.0	122.0	82017					
3		12	0	0	6	2							.3	100	122.0	123.0	82018					
4		4	0	1	6	2							.3	99	123.0	124.0	82019					
5	125m Bedding 47° to c.a.	11	0	2	6	1							.3	99	124.0	125.0	82020					
6		4	0	2	6	2							.3	100	125.0	126.0	82021					
7	127 - 128m Foliation developed oblique to bedding planes. Bedding 40° to c.a	9	0	2	6	5							.1	98	126.0	127.0	82022					
8	128.2 - 131.7m BRECCIA ZONE	6	0	4	6	2							.3mv	98	127.0	128.07	82023					
9	ANGULAR WACKE FRAGMENTS MM TO 5CM IN A QUARTZ MATRIX, BOTH CUT BY LARGE (5CM) QZVN STOCKWORK	54	0	0	10	2							.1	96	128.07	129.0	82024					
130	FRAGMENTS ARE MODERATELY SILICIFIED WITH SOME GRAPH	20	0	0	9	5							3	95	129.0	130.0	82025					

DRILL HOLE H87-04 PROJECT 4589 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE PAGE 5 OF 11

METRES	DESCRIPTION	% VEIN	MAG. SUSC.	SHEAR INT.	THICKNESS	ALTERATION & MINERALIZATION %								% RECOVERY	SAMPLING						
						CAL	ANK	SER	TRM	gl	Q	HEM	Py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
	Interbedded Arenites and Wackes																				
131		29	0	0	10	2	—	—	—	✓	—	—	1	98	130.0	131.0	820 26				
132	131.2 – 134.2 m · SILICIFIED ZONE, MICROBRECCIA																				
	SMALL ANGULAR FRAGMENTS (< 10 mm BUT TYPICALLY 4mm)	24	0	0	10	—	—	—	—	—	.03	—	.3	97	131.0	132.0	820 27				
133	WHICH ARE HIGHLY SILICIFIED OCCUR IN A SILICA MATRIX.																				
	BOTH ARE VERY FINE GRAINED AND A LIGHT GREY.	1	0	0	10	1	—	—	—	—	—	—	.3	90	132.0	133.0	820 28				
	CLASTS ARE EITHER SLIGHTLY DARKER OR LIGHTER THAN																				
134	THE MATRIX. SOME SIMILARITY TO THE SILICIFIED UNIT	1	0	0	10	—	—	—	—	—	.03	—	.1	90	133.0	134.0	820 29				
	(? FELDSPAR PORPHYRY) IN HOLE H87-03 AT 102.55 m																				
135	132.2 – 141.12 m SILICIFIED WACKE / ARENITE	2	0	7	7	2	—	—	—	5	—	—	1	90	134.0	135.0	820 30				
	MEDIUM GREY TO A LIGHTER YELLOWISH GREY, VERY FINE																				
136	GRAINED STRONGLY FOLIATED ROCK. REMNANTS OF	3	0	7	5	1	—	—	—	5	—	—	1	95	135.0	136.0	820 31				
	BEDDING STILL PRESERVED IN A STRONGLY																				
137	SILICIFIED ZONE. ALL VEINS ARE FINE GRAINED QZ	2	0	4	8	1	—	—	—	—	—	—	.3	97	136.0	137.0	820 32				
	138 m BEDDING IS 42 – 53° TO C.A.	2	0	5	8	1	—	—	—	—	—	—	.3	100	137.0	138.0	820 33				
139	139.48 m 1cm IRREGULAR VEIN OF MS. MASSIVE Py	2	0	4	7	1	—	—	—	—	—	—	.3	95	138.0	139.0	820 34				
	PARALLELS BEDDING / FOLIATION.																				
140	140.12 – 143.8 m SILICIFIED FELDSPAR PORPHYRY	3	0	6	7	3	—	—	—	3	—	—	1	75	139.0	140.1	820 35				
	LIGHT GREY WITH A PINK TINT TO SOME PARTS.	1	0	0	7	5	—	—	—	—	.1	—	—	90	140.1	141.0	820 36				
	VERY FINE GRAINED AND ALMOST COMPLETELY SILICIFIED.																				
142	QUARTZ VEINS ARE ALSO VERY FINE GRAINED AND HAVE	10	0	0	10	3	—	—	—	—	.1	—	—	95	141.0	142.0	820 37				
	DIFFUSE BOUNDARIES																				
143	143.0 – 148.0m SILICIFIED ZONE MICROBRECCIA	12	0	0	10	10	—	—	—	—	.1	—	—	70	142.0	143.0	820 38				
	similar to breccia zone 128.2m.	12	0	0	10	3	—	—	—	—	.3	—	.1	70	143.0	144.0	820 39				
144		20	0	0	9	2	—	—	—	—	.03	—	.3	60	144.0	145.0	820 40				
	146.0-146.2m Non-brecciated, similar to unit below	47	0	0	10	1	—	—	—	—	—	—	.3	100	145.0	146.0	820 41				
145		20	0	0	10	2	—	—	—	—	—	—	.3	100	146.0	147.0	820 42				
	148.0-149.0m Ground core	15	0	0	10	3	—	—	—	—	.1	—	.1	Ground core	147.0	149.0	820 43				
146		--	0	0	7	-															
	149.0 – 150.72m Silicified Graphite Unit · dark grey, silicified																				
147	rock Moderate to strong foliation developed masking initial	7	0	8	7	2	—	—	—	✓	—	—	.3	95	149.0	150.1	820 44				
148																					
149																					
150																					

DRILL HOLE HR7-04 PROJECT Mesa

CHEVRON MINERALS LTD — DIAMOND DRILL LOG

DATE

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

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

METRES	DESCRIPTION	% Vein	MAG. SUSC. 10⁻³ cgs	SHEAR INT. 1-10	HARDNESS 1-10	Chl	Ank	Ser	Tmal	Qtz	Cp	Hem	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
151	rock type. Quartz veins parallel to foliation strongly attenuated (hairline to 5mm). Brecciated near fault gouge	4	0	4	4	15	—	—	—	✓	—	—	.03	95	150.0	150.7	82045	—		—	—	—
2	150.72-150.98 m Fault gouge : dark grey, graphite, clay rich, semi-unconsolidated fault gouge	3	0	2	6	25	—	—	—	—	—	—	.01	98	151.0	152.0	82046	—		—	—	—
3	150.98 - 260.2 m Sheared Volcanics-Calc-Alkaline ? Pale to olive green, variably sheared weak to strong. Qtz-calcite veinlets/veins parallel to and cutting foliation throughout (hairline to 4cm) smokey white to grey in color; fine grain - up to 0.5mm, predominantly 0.25-0.5mm)	5	0	3	5	20	—	—	—	—	—	—	.3	98	152.0	153.0	82047	—		—	—	—
4		2	0	2	5	5	—	—	—	—	—	—	.1	100	153.0	154.0	82048	—		—	—	—
5	150.89-152.2m Brecciated zone - pale yellowish green sub-angular fragments (up to 1cm, mostly 0.5cm) in a darker matrix	0	0	1	5	2	—	—	—	—	—	—	.03	100	154.0	155.0	82049	—		—	—	—
6		6	0	4	5	7	—	—	—	—	—	—	.3	98	155.0	156.0	82050	—		—	—	—
7	152.6m very dark green to black dolomite-calcite-chlorite "crackle" veins attenuated and sub-parallel to foliation (0.5 to 4mm)	7	.1	4	5	10	—	—	—	—	—	—	.01	98	156.0	157.0	82051	—		—	—	—
8		6	0	5	5	15	—	—	—	—	—	—	.01	98	157.0	158.0	82052	—		—	—	—
9		7	0	2	5	20	—	—	—	—	—	—	.1	98	158.0	159.0	82053	—		—	—	—
160		2	0	2	4	15	—	—	—	—	—	—	.03	100	159.0	160.0	82054	—		—	—	—
1		7	0	1	5	10	—	—	—	—	—	—	.01	95	160.0	161.0	82055	—		—	—	—
2	162.10m Qtz-carbonate vein (4cm) discordant to weak foliation. 25% pinkish-red med. grain dolomite	4	0	2	5	5	—	—	—	—	—	—	.01	100	161.0	162.0	82056	—		—	—	—
3		5	0	1	5	5	—	—	—	—	—	—	.03	100	162.0	163.0	82057	—		—	—	—
4		3	0	1	5	10	—	—	—	—	—	—	.01	100	163.0	164.0	82058	—		—	—	—
5	165m Foliation 45° to c.a.	5	0	2	5	5	—	—	—	—	—	—	.01	95	164.0	165.0	82059	—		—	—	—
6	160 - 168.3m SEVERAL 5-10 cm SHEAR ZONES WITH INCREASED CARBONATE CONTENT AND SOME SHEAR PLANES WHICH HAVE GRAPHITE	1	.1	2	5	5	—	—	—	—	—	—	.1mv	90	165.0	166.0	82060	—		—	—	—
7		4	.1	3	5	10	—	—	—	—	—	—	.1	90	166.0	167.0	82061	—		—	—	—
8		13	.1	2	5	10	—	—	—	—	—	—	.01	90	167.0	168.0	82062	—		—	—	—
9	169m Foliation 50° to c.a.	1	0	4	5	10	—	—	—	—	—	—	.01	100	168.0	169.0	82063	—		—	—	—
170		1	0	5	5	10	—	—	—	—	—	—	.1mv	97	169.0	170.0	82064	—		—	—	—

DRILL HOLE H87-04 PROJECT M687 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE PAGE 7 OF 17

METRES	DESCRIPTION	% vein	MAG. SUSC.	SHEAR INT.	HARDNESS	ALTERATION & MINERALIZATION %	% RECOVERY	SAMPLING							
	cg. fg. mg—coarse, fine, medium grained; dise—disseminated; grve—greyvein; sfol, mfol, wfol—strong, medium, weak foliation; qzvn—quartz vein					d—disseminated; mv—microveined; p—pervasive; v—veined; sk—stockwork		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK	RQD
171	Sheared Volcanics	3	0	6	5	5 ? .03mv	96	170.0	171.0	82065					.4
2	172m Foliation 64° to c.a.	2	0	3	5	5 ? .01	98	171.0	172.0	82066					.5
3		2	0	3	5	5 ? .01	98	172.0	173.0	82067					.3
4		1	0	4	5	10 .3mv	98	173.0	174.0	82068					.6
5		4	.1	3	5	5 .1mv	98	174.0	175.0	82069					.7
6		3	.2	3	5	5 .3mv	98	175.0	176.0	82070					.4
7		12	0	3	5	10 .1	96	176.0	177.0	82071					.6
8		1	0	3	5	5 .01	98	177.0	178.0	82072					.6
9	179.55 - 180.0m Felsic Dyke - greyish-pink, fine grain, discordant to foliation, sharp contacts (approx. 65° to c.a.) show chill margins. Grain size < 0.5mm	2	0	3	5	5 3mv	90	178.0	179.0	82073					.4
180		2	.1	3	7	5 .03	98	179.0	180.0	82074					.5
1		3	0	3	5	10 .01	100	180.0	181.0	82075					.5
2		2	0	3	5	10 .01	100	181.0	182.0	82076					.5
3		4	.1	3	5	15 .01	100	182.0	183.0	82077					.3
4		2	0	4	5	10 .01	100	183.0	184.0	82078					.7
5	185.0 - 188.0m Hematite staining (minor) along small fractures.	3	0	4	5	10 .01	100	184.0	185.0	82079					.7
6		2	0	4	6	10 .03	80	185.0	186.0	82080					.15
7	187.0m Foliation 62° to c.a.	2	0	5	5	15 .03	70	186.0	187.0	82081					.1
8		7	0	6	5	20 .1	100	187.0	188.0	82082					.4
9	189.0 - 195.5m Slight colour change with a tint of charcoal grey associated with slight increase in sulphides. This may be a weak development	5	.1	6	5	15 .1	98	188.0	189.0	82083					.7
190		4	.1	4	5	15 ✓ .3	98	189.0	190.0	82084					.7

DRILL HOLE 87-04 PROJECT Ingram

CHEVRON MINERALS LTD — DIAMOND DRILL LOG

DATE

METRES	DESCRIPTION	% Veining	MAG. SUSC.	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated, p—pervasive, v—veined, mv—microveined, sk—stockwork)								% RECOVERY	SAMPLING							
						Chl	Ank	Ser	Trem	gf	Gp	Anh	Py		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
191	Sheared Volcanics	7	.1	4	5	10	—	—	—	✓	—	—	.3	98	190.0	191.0	82085	—	—	—	—	—
2	OF THE CARBONATE, SERICITE, GRAPHITE ALTERATION	3	0	4	5	5	—	—	—	✓	—	—	.1mv	100	191.0	192.0	82086	—	—	—	—	—
3	PHASE.	3	0	3	5	5	—	—	—	✓	—	—	.01	100	192.0	193.0	82087	—	—	—	—	—
4	192m Foliation 72° to c.a.	4	0	3	5	5	—	—	—	✓	—	—	.1	100	193.0	194.0	82088	—	—	—	—	—
5	192.0 - 222.5m Dark green pseudomorphs (possibly	3	0	3	5	5	—	—	—	✓	—	—	.3	100	194.0	195.0	82089	—	—	—	—	—
6	amygdules) up to 5mm but average 2-3mms. Can	6	0	4	6	10	—	—	—	✓	—	—	.3	99	195.0	196.0	82090	—	—	—	—	—
7	be as high as 1% in rock but commonly 0.1%	2	0	3	5	10	—	—	—	—	—	—	.3	99	196.0	197.0	82091	—	—	—	—	—
8	AND ERRATICALLY DISTRIBUTED.	4	0	3	5	5	—	—	—	—	—	—	.1	99	197.0	198.0	82092	—	—	—	—	—
9	199m Foliation 58° to c.a.	6	0	3	5	10	—	—	—	—	—	—	1mv	100	198.0	199.0	82093	—	—	—	—	—
200		4	.1	5	5	10	—	—	—	—	—	—	.1	100	199.0	200.0	82094	—	—	—	—	—
1		3	.1	7	5	5	—	—	—	—	—	—	.03	100	200.0	201.0	82095	—	—	—	—	—
2		11	.1	5	5	10	—	—	—	—	—	—	.01	100	201.0	202.0	82096	—	—	—	—	—
3		1	.1	4	5	5	—	—	—	—	—	—	.01	100	202.0	203.0	82097	—	—	—	—	—
4		1	.1	4	5	10	—	—	—	—	—	—	.03	100	203.0	204.0	82098	—	—	—	—	—
5		2	.1	4	5	5	—	—	—	—	—	—	.01	100	204.0	205.0	82099	—	—	—	—	—
6	205.3m Undeformed areas are fine grained MORE	1	.1	2	5	10	—	—	—	—	—	—	.01	100	205.0	206.0	82100	—	—	—	—	—
7	MASSIVE AND ARE PROBABLY FLOWS.	3	1	4	5	15	—	—	—	—	—	—	.01	100	206.0	207.0	82101	—	—	—	—	—
8		1	.1	4	5	10	—	—	—	—	—	—	.03	100	207.0	208.0	82102	—	—	—	—	—
9		2	0	4	5	5	—	—	—	—	—	—	.01	100	208.0	209.0	82103	—	—	—	—	—
210		2	0	5	5	5	—	—	—	—	—	—	.03	100	209.0	218.0	82104	—	—	—	—	—

DRILL HOLE 467-14 PROJECT M-553 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 9 OF 17

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

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

METRES	DESCRIPTION	% Vein	MAG. SUSC. 10^{-3} CGS	SHEAR INT. 1-10	HARDNESS 0-10	Cal	Ank	Ser	Trml	gf	Cp	Aspy	Py	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)		Au ppb	Au oz/t	CHK
	SHEARED VOLCANICS																					
211		2	.1	5	3	10							.01	98	210.0	211.0	82105					
2		2	.1	4	5	10							.03	99	211.0	212.0	82106					
3	213m Foliation 58° to c.a.	3	.1	4	5	10							.01	100	212.0	213.0	82107					
4		2	.1	4	5	5							.01	98	213.0	214.0	82108					
5		1	0	3	5	5							.03	98	214.0	215.0	82109					
6		1	0	3	5	5							.03	99	215.0	216.0	82110					
7		2	0	3	5	10							.01	99	216.0	217.0	82111					
8		2	0	4	5	5				✓			.01	98	217.0	218.0	82112					
9	219m Foliation 61° to c.a.	2	0	5	5	10							.03	98	218.0	219.0	82113					
220		3	0	5	5	5							.01	100	219.0	220.0	82114					
1		2	0	5	5	10							.03	98	220.0	221.0	82115					
2	223.0m 259.0m Beige to white round pseudomorphs (possibly amygdules or feldspar phenocrysts) occur as clusters or solitary crystals (size ave. 2-3mm)	6	0	4	5	5							.1	98	221.0	222.0	82116					
3		1	0	4	5	5							.03	100	222.0	223.0	82117					
4	224.2 - 224.8m "Brecciated" zone, angular fragments show moderate to high shearing on either side of a 2cm unit of fault gouge	4	0	4	5	10							.01	98	223.0	224.0	82118					
5		2	0	5	5	3		?					.03	98	224.0	225.0	82119					
6	225.60-225.70m ZONE OF STRONG CARBONATE/SERICITE ALTERATION ADJACENT TO A 3cm CALCITE VEIN	3	0	5	5	10		1					.03	100	225.0	226.0	82120					
7		1	0	4	5	10							.01	100	226.0	227.0	82121					
8		1	0	4	5	5							.01	100	227.0	228.0	82122					
9	227.0m Foliation 70° to c.a.	3	0	4	5	5							.03	100	228.0	229.0	82123					
230		2	0	4	5	5							.03	100	229.0	230.0	82124					

DRILL HOLE NB7-04 PROJECT NG93 — CHEVRON MINERALS LTD — DIAMOND DRILL LOG — DATE — PAGE 10 OF 17

METRES	DESCRIPTION	% MAG	MAG. SUSC.	SHEAR INT.	Hardness	ALTERATION & MINERALIZATION % (d—disseminated, mv—microveined, p—pervasive, v—veined, sk—stockwork)								% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
	SHEARED VOLCANICS																				
231		4	0	4	5	10	—	—	—	—	—	—	.03	100	230.0	231.0	82135				
2		2	0	4	5	5	—	—	—	—	—	—	.01	100	231.0	232.0	82136				
3	232.95 - 233.31m Felsic Dyke - as below but contains med. grain irregular pinkish qtz-feldspar veins (3mm)	1	1	3	5	5	—	—	—	—	—	—	.03	100	232.0	232.95	82137				
4	234.58 - 235.27m Felsic Dyke - medium greyish-pink fine grain (<.5mm) massive consisting of quartz and pinkish feldspars. Cut by attenuated qtz-calcite veins 2-3mm. Contacts are discordant to foliation and defined by med. gr. (1-5mm) qtz-calcite veins (50° to c.a.)	1	1	4	6	5	—	—	—	—	—	—	.1	100	232.95	233.31	82138				
5		2	0	4	6	5	—	—	—	—	—	—	.1	100	233.31	234.0	82139				
6		4	0	4	6	5	—	—	—	—	—	—	.01	100	234.0	234.58	82130				
7	236.0 - 236.17m Slightly charcoal colored, moderately sheared zone possibly graphitic.	2	0	4	5	5	—	—	—	?	—	—	.03	100	234.58	235.27	82131				
8		3	0	3	5	5	—	—	—	—	—	—	.01	100	235.27	236.0	82132				
9		4	1	4	5	5	—	—	—	—	—	—	.01	100	236.0	237.0	82133				
240	239.60 - 239.69m Qtz-calcite-feldspar vein. Coarse grain qtz with fine gr. calcite and pinkish med. gr. feldspar crystals in vein concordant to foliation	13	1	3	5	10	—	—	—	—	—	—	.01	100	237.0	238.0	82134				
1		10	1	4	5	5	—	—	—	—	—	—	.01	100	238.0	239.0	82135				
2	240.09 - 290.17m Qtz-calcite-feldspar vein. Similar to 239.60m	3	1	4	5	5	—	—	—	—	—	—	.03	99	239.0	240.0	82136				
3		5	0	5	5	5	—	—	—	—	—	—	.03	100	240.0	241.0	82137				
4		1	0	4	5	10	—	—	—	—	—	—	.01	99	241.0	242.0	82138				
5	243.0m Foliation 65° to c.a.	4	1	4	5	5	—	—	—	—	—	—	.01	99	242.0	243.0	82139				
6		1	1	5	5	5	—	—	—	—	—	—	.01	99	243.0	244.0	82140				
7		1	1	6	5	10	—	—	—	—	—	—	.3mv	99	244.0	245.0	82141				
8		1	1	4	5	5	—	—	—	—	—	—	.03	95	245.0	246.0	82142				
9		3	0	5	5	15	—	—	—	—	—	—	.03	100	246.0	247.0	82143				
250	249.0 ATTENUATED BANDS OF LESS DEFORMED INTRUSIVES ARE INTERLAYERED ON CM SCALE WITH SHEARED MATRIX	2	1	5	5	10	—	—	—	—	—	—	.1	100	247.0	248.0	82144				
															248.0	249.0	82145				
															249.0	250.0	82146				

DRILL HOLE H87-04 PROJECT 4699 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 11 OF 17

METRES	DESCRIPTION	% min	MAG. SUSC.	SHEAR INT.	HARDNESS	ALTERATION & MINERALIZATION %	% RECOVERY	SAMPLING						
	cg, fg, mg—coarse, fine, medium grained · dise—disseminated · grva—greyvein · sfol, mfol, wfol—strong, medium, weak foliation · qzva—quartz vein					d—disseminated · p—pervasive · v—veined · mv—microveined · sk—stockwork		FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
251	SHEARED VOLCANICS	2	1	5	5	10	100	250.0	251.0	82147				
2	252.0 - 252.6 m STRONG SHEAR WITH SERICITE / GRAPHITE	2	1	5	4	10	100	251.0	252.0	82148				
3	252.3 - 252.8 m CARBONATE / SERICITE / GRAPHITE ZONE OF ALTERATION WITH SHEARED CO_3 VEIN	3	1	5	4	15	100	252.0	253.0	82149				
4		2	1	4	5	15	100	253.0	254.0	82150				
5		3	1	4	5	5	100	254.0	255.0	82151				
6		2	1	5	4	10	100	255.0	256.0	82152				
7		3	0	4	4	10	100	256.0	257.0	82153				
8		2	1	5	5	15	100	257.0	258.0	82154				
9	259 m FOLIATION IS AT 50° TO C.A.	1	1	5	4	15	100	258.0	259.0	82155				
260		3	1	4	4	5	100	259.0	260.0	82156				
260.2	- 276.55 m CARBONATE / SERICITE / GRAPHITE ZONE													
1	GRADATIONAL CONTACTS ASSOCIATED WITH AN INCREASE IN SHEARING AND THE STRENGTH OF A LIGHT GREY COLOUR. THE ROCK IS FINE GRAINED AND BECOMES FINELY LAMINATED DUE TO HIGHLY SHEARED CARBONATE VEINS. THIS IS ALTERNATED EVEN MORE AS SERICITE ALSO OCCURS IN THIN REPLACEMENT BANDS. WITH THE INCREASE IN SERICITE THE COLOUR CHANGES TO A WAVY LIGHT BROWN COLOUR. MINOR Qz VEINS OCCUR AS 1cm THICK BOUDINS	3	0	6	4	10	100	260.0	261.0	82157				
2		3	0	6	4	10	100	261.0	262.0	82158				
3		2	0	5	4	15	100	262.0	263.0	82159				
4		1	0	6	4	20	100	263.0	264.0	82160				
5		2	0	6	4	20	100	264.0	265.0	82161				
6		3	0	6	3	20	100	265.0	266.0	82162				
7		3	0	6	4	25	100	266.0	267.0	82163				
8		4	0	7	4	25	100	267.0	268.0	82164				
9	269 - 270 m FORAMASIVE SECTION AS FINE NEEDLES AND ELLIPTICAL AGREGATES WITHIN THE FOLIATION PLANE	2	0	8	3	30	100	268.0	269.0	82165				
270	269 m FOLIATION IS AT 53° TO C.A.	5	0	9	5	20	100	269.0	270.0	82166				

DRILL HOLE HST.04 PROJECT m555

CHEVRON MINERALS LTD — DIAMOND DRILL LOG

DATE

DESCRIPTION

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

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

CARBONATE / SERICITE / GRAPHITE ZONE

272.80 – 272.92 m QUARTZ VEIN WITH SOME CALCITE AND IRREGULAR PARTIALLY DIGESTED WALL ROCK FRAGMENTS PARALLEL TO THE CONTACTS. IRREGULAR V.G. OCCURS IN LOOSE AGGREGATES CLOSE TO DIGESTED WALL. 273.2, 273.5, & 274.5 m QZ/TOUR VEINS UP TO 10 cm ARE IRREGULAR AND STOPED THE HOST ROCK.

276.55 – 279.5 m <u>QUARTZ TOURMALINE ZONE</u>
TOURMALINE OCCURS IN FINE LAMINAE OF LIGHT AND DARK BROWN PARALLEL TO THE FOLIATION. CARBONATE VEINS ARE ATTENUATED PARALLEL TO THE LAMINAE AND ALL ABOVE PHASES ARE FOLDED. LATER ASPY CUT THE TOURMALINE, AND OCCUR AS LARGER IRREGULAR VEINS (<10 cm) AND SEVERAL SETS OF STRAIGHT VEINS (<2 cm). LARGE ASPY GRAINS ARE BRECCIATED, F.G. ASPY IS DISSEMINATED.

279.5 – 291.3 m <u>QUARTZ CARBONATE SERICITE TOURMALINE</u>
FG QUARTZ, CARBONATE OCCURS IN ATTENUATED BANDS < 1 cm OCCUR IN A SERICITIC MATRIX. CRENULATIONS IN SERICITE ARE OBLIQUE TO BANDING. LOCALLY THE BANDS ARE CUT BY CM SPACED SERICITIC SHEARS AT 59° TO C.A.
281.5 – 281.85 m <u>QUARTZ TOURMALINE ZONE</u> AS ABOVE.
282.73 – 283.0 m QUARTZ TOURMALINE ZONE
283.75 – 284.1 m QUARTZ TOURMALINE ZONE
284.24 – 284.40 m QUARTZ TOURMALINE ZONE
283.0 – 285.5 m TOURMALINE OCCURS WITH SERICITE IN THE LAMINATED MATRIX
285.75 – 285.81 m POORLY DEVELOPED QUARTZ TOURMALINE ZONE
286.55 – 286.73 m QUARTZ TOURMALINE ZONE
286.73 – 288.44 m VARIABLE RECRYSTALLIZATION OBLITERATES FABRIC AND ACCOMPANIED WITH A CHANGE TO BUFF BROWN COLOUR OF CARBONATE
288.44 – 288.72 m SERIES OF IRREGULAR COARSE GRAIN QZVNS
288.72 – 289.15 m HIGH TOURMALINE IN MATRIX

METRES	% vein	MAG. SUSC. 10^{-6} cgs	SHEAR INT. 0-10	HARDNESS 0-10	Cal	Ank	Ser	Tour	gf	Gp	Aspy	Py	% RECOVERY	FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	V.G.	Au ppb	Au oz/t	CHK
271	4	0	8	4	25	—	.5	.1	—			.1	100	270.0	271.0	82167			235		
2	3	0	10	5	25	—	.5	0.01	—			.1	100	271.0	272.0	82168			NIL		
3	14	0	10	4	5	—	.5	0.3	—			.1	97	272.0 272.82	272.82 272.94	82169 82170		272.9 7	640		
4	16	0	9	5	5		5	11				.1	100	272.94 273.30 273.57	273.30 273.57 274.0	82171 82172 82173		273.7 8	170 300 2370		1780
5	10	0	10	6	5		10	2				.3	100	274.0	275.0	82174			70		
6	4	0	7	6	2		5	3				.1	100	275.0	276.0	82175		275.2 3	120		
7	27	0	3	7	1		3	40			1 D	.1	99	276.0 276.52	276.52 277.0	82176 82177			420 6788*		6755
8	15	0	1	8	3			75			2 D	.3	100	277.0	278.0	82178			2503		2400
9	21	0	1	9	2			7.5			2 D	.1	100	278.0	279.0	82179					
280	13	0	6	6	5		5	30	✓			.3	98	279.0	279.51	82180					
1	1	.1	10	5	—		11	5				.1	97	279.51	280.49	82181					
2	4	.1	8	6	5		10	10	—		.01	.1	99	280.49 281.50	281.50 281.86	82182 82183					
3	4	.1	8	5	3		10	5			.1	.3	100	281.86	282.74	82184		282.8 1			
4	10	.1	6	7	3		5	30			1	.1	98	282.74	283.43	82185					
5	5	.1	8	6	3		3	15			.3	.03	100	283.43 284.19	284.19 285.0	82186 82187					
6	2	.1	7	5	2		5	2			.03	.03	100	285.0	286.0	82188		285.8 2			
7	6	.1	7	5	10		5	8			.01	.1	98	286.0	286.74	82189					
8	3	.1	4	5	5		5	1				.3	98	286.74	287.73	82190					
9	34	0	2	9	1		5	10			.03	.3	100	287.73 288.14 288.44	288.14 288.44 288.72	82191 82192 82193		288.13 288.36			
290	16	.1	2	8	1		5	10			.01	1	100	288.72 289.17	289.17 290.0	82194 82195			[illegible]20		

DRILL HOLE N87-04 PROJECT N555 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 13 OF 11

DESCRIPTION

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

METRES	DESCRIPTION	% Pyrite	MAG. SUSC. 10⁻³ cgs	SHEAR INT. 0-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % d—disseminated p—pervasive v—veined mv—microveined sk—stockwork: QTZ	AMP	MGR	TOUR	gal	Cp	ASPY	Py	% RECOVERY	SAMPLING: FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	V.G.	Au ppb	Au oz/t	CHK
291	QUARTZ CARBONATE SERICITE TOURMALINE ZONE																				
	V.G. OCCURS ALONE EDGES OF QUARTZ VEINS	21	0	2	9	1	—	2	15	—	—	.03	.3	100	290.0	291.0	82196		290.94 2	1371E	
291.3	310.20m TOURMALINE CARBONATE ZONE																				
2	MATRIX CONSISTS OF FINE GRAINED BROWN TOURMALINE	22	0	1	9	1	—	—	40	—	—	.1	.3	100	291.0	291.53	82197		291.14 4	60000 1	
	WHICH IS ONLY LOCALLY LAMINATED. MOST CARBONATE																				
3	VEINS ARE HIGHLY ATTENUATED AND STRETCHED INTO	11	1	2	7	1	—	—	20	—	—	.1	.3	96	291.53	292.0	82198		293.5		
	RINGS. ARE ALL THAT IS PRESERVED. FINE GRAINED																				
4	AND STARLIGHT QUARTZ VEINS OCCUR AS IN	8	0	4	10	1	—	—	25	—	—	.3	.3		292.0	293.0	82199				
	THE QUARTZ TOURMALINE ZONE BUT LESS ABUNDANTLY																				
5		3	1	1	7	1	—	3	5	—	—	.03	.3		293.0	294.0	82200				
6		20	1	2	8	1	—	—	15	—	—	—	.3		294.0	295.0	82201				
7		2	1	4	7	1	—	—	10	—	—	—	.03		295.0	296.0	82202				
	297 — IN AREA WITH LOW TOURMALINE IN MATRIX																				
8	MOST TOURMALINE OCCURS AS SECONDARY PRISMS	3	0	6	5	—	—	1	10	—	—	—	.3		296.0	297.0	82203				
	ON THE WALLS OF THE QZ VEINS																				
9		15	1	1	10	—	—	—	50	—	—	.03	.1		297.0	298.0	82204				
300		3	1	1	8	1	—	—	50	—	—	.1	.3		298.0	299.0	82205				
	301.15 V.G. OCCURS ALONE EDGE OF A QZ VN																				
1	301.2m SAME AS AT 297m	4	1	2	6	2	—	—	5	—	—	—	.1		299.0	299.69	82206				
	301.2 — 301.6m TOURMALINE OCCURS IN FINE-																				
2	GRAINED VEINS.	3	0	4	5	5	—	2	2	—	—	—	.03		299.69	300.48	82207				
3		10	1	1	6	10	—	3	10	—	—	.1	.3		300.48	301.0	82208				
4		10	0	—	6	3	—	—	35	—	—	.3	.3		301.0	302.0	82209		301.13 2		
5		8	0	1	5	2	—	—	35	—	—	.1	.1		302.0	302.51	82210				
6		3	0	5	6	2	—	—	35	—	—	—	.1		302.51	302.82	82211				
	306 — EUHEDRAL PYRITE GRAINS UP TO 4mm																				
7	FROM HOST AGGREGATES.	2	1	5	6	1	—	—	35	—	—	—	1		302.82	303.0	82212				
8		—	0	3	5	—	—	—	5	—	—	—	.01		303.0	303.46	82213				
	308m ARSENOPYRITE IS CONCENTRATED ALONG																				
	THE CONTACT OF A QZVN.																				
9		6	1	2	7	1	—	1	10	—	—	.1	.1		303.46	303.97	82214				
310		5	0	4	10	1	—	—	15	—	—	.1	.3		303.97	304.22	82215				
															304.22	305.0	82216				
															305.0	306.0	82217				
															306.0	307.0	82218				
															307.0	307.93	82219				
															307.93	308.67	82220				
															308.67	309.56	82221				
															309.56	310.19	82222				

DRILL HOLE H87-04 PROJECT H585 **CHEVRON MINERALS LTD DIAMOND DRILL LOG** DATE PAGE 14 OF 17

cg. fg. mg—coarse, fine, medium grained diss—disseminated grva—grayvein
sfol, mfol, wfol—strong, medium, weak foliation qzva—quartz vein

METRES	DESCRIPTION	% vein	MAG. SUSC.	SHEAR INT. 1-10	HARDNESS 0-10	ALTERATION & MINERALIZATION % (d—disseminated p—pervasive v—veined mv—microveined sk—stockwork) CAL	QHR	SER	TOUR	gf	Cp	PYR	Py	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
311	310.2 – 312.5 m SILICIFIED ZONE WITH 1% MARBLED, PERVASIVE AND ENHEDRAL ASPY FORMING AGGREGATES, IRREGULAR VEINS OR DISSEMINATED. C.S. H87-03 CARB ZONE 301m	50	0	–	10	3	–	–	3	–	–	2v	.1		310.19	311.14	82233				
2		80	.1	–	10	5	–	–	1	–	–	.3	.3		311.14	312.9	82234				
3	312.5 – 379 m SHEARED VOLCANICS PALE TO OLIVE GREEN, F.G. (<.5 mm) AND MODERATELY SHEARED EXCEPT ADJACENT TO	39	.1	1	9	5	–	3	1	–	–	1	.3		312.0	312.84	82235				
4	THE ABOVE SILICIFIED ZONE WHERE THE ROCK	1	.1	9	5	25	–	–	–	–	–	–	.03		312.84	313.49	82236				
5	IS HIGHLY SHEARED AND SLIGHTLY SILICIFIED. FOR SOME 30 cm. FROM THE TOP CONTACT.	1	.1	7	5	25	–	–	–	–	–	–	.1		313.49	314.0	82237				
6	THIS SHEARED PHASE IS SIMILAR TO THE CARBONATE/SERICITE/GRAPHITE ZONE AT 260m	2	.1	7	5	25	–	5	–	–	–	–	.1		314.0	315.0	82238				
7	BUT LACKS ANY SIGNIFICANT ALTERATION MINERALOGY. IN THE REST OF THE	4	0	6	5	25	–	3	–	–	–	–	.1		315.0	316.0	82239				
8	UNIT Qz/CO_3 VEINS VARY FROM HAIRLINE	3	.1	4	5	25	–	1	–	–	–	–	.01		316.0	317.0	82240				
9	TO 1mm AND ARE PARALLEL TO THE FOLIATION. LARGER VEINS (UP TO 3cm) OF	–	.1	5	5	20	–	–	1	–	–	–	.01		317.0	318.0	82241				
320	Qz/CO_3 ARE TYPICALLY IRREGULAR AND DISCORDANT TO THE FOLIATION	–	.1	6	5	20	–	–	–	–	–	–	.1		318.3	319.0	82242				
1		1	.	6	5	25	–	–	–	–	–	–	.03		319.0	320.0	82243				
2	322.0m Foliation 66° to c.a.	–	0	6	5	20	–	–	–	–	–	–	.01		320.0	321.0	82244				
3		–	0	6	5	15	–	–	–	–	–	–	.01		321.0	322.0	82245				
4		–	0	6	5	20	–	–	–	–	–	–	.1		322.0	323.0	82246				
5		1	0	4	5	20	–	–	–	–	–	–	.03		323.0	324.0	82247				
6		1	0	5	5	20	–	–	–	–	–	–	.1		324.0	325.0	82248				
7		1	0	4	5	10	–	–	–	–	–	–	.1		325.0	326.0	82249				
8	328.70 – 330.20 – Fold zone - similar to 341.2m	1	0	4	5	15	–	–	–	–	–	–	.01		326.0	327.0	82240				
9	328.20 – 330.80 m Pyrite crystals are medium grain (up to 5mm but ave. 2-3mm), euhedral and disseminated. Crystals are larger towards 330.80m	2	0	5	5	10	–	–	–	–	–	–	.3		327.0	328.0	82241				
330		1	0	5	5	20	–	–	–	–	–	–	.3		328.0	329.0	82242				
															329.0	330.0	82243				

DRILL HOLE NH7-04 PROJECT N-585 **CHEVRON MINERALS LTD — DIAMOND DRILL LOG** DATE PAGE 1 OF 17

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

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

METRES	DESCRIPTION	% Mafic	MAG. SUSC.	SHEAR INT.	HARDNESS	ALTERATION & MINERALIZATION %	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
331	Sheared Volcanics	2	.1	4	5	15 .01		330.0	331.0	82344				
2		3	.1	4	5	15 .01		331.0	332.0	82345				
3		2	.1	4	5	10 .03		332.0	333.0	82346				
4	334.0 Foliation 68° to c.a.	1	.1	4	5	10 .03		333.0	334.0	82347				
5		3	.1	4	5	10 .03		334.0	335.0	82248				
6		7	0	4	5	10 .01		335.0	336.0	82249				
7		5	0	4	5	10 .01		336.0	337.0	82250				
8	338.02-338.70m "Breccia" zone. Angular fragments weakly brecciated in a qtz-calcite matrix. Fracture system sub-parallel to c.a. at 13° is only 5cm thick.	3	0	4	5	5 .03		337.0	338.0	82251				
9		1	0	4	5	3 .01		338.0	339.0	82252				
340		1	0	4	5	5 .01		339.0	340.0	82253				
1	341.2-349.40m Folded zone. Calcite-qtz veinlets (hairline to 1cm) show moderate to tight, asymmetrical S or Z folds developed. Amplitude and wavelength of folds average 5mm. Intensity of folding varies along zone and contacts are gradational.	1	0	4	5	15 .03		340.0	341.0	82254				
2		3	0	4	5	10 .01		341.0	342.0	82255				
3		2	0	4	5	5 .01		342.0	343.0	82256				
4		4	0	6	5	3 .03		343.0	344.0	82257				
5	343.0m Foliation 62° to c.a.	4	0	6	5	5 .01		344.0	345.0	82258				
6		3	0	4	5	5 .01		345.0	346.0	82259				
7		2	0	4	5	5 .01		346.0	347.0	82260				
8		2	.1	4	5	5 .01		347.0	348.0	82261				
9		2	.1	3	5	5 .01		348.0	349.0	82262				
350		2	0	4	5	10 .01		349.0	350.0	82263				

DRILL HOLE 487.04 PROJECT CHEVRON MINERALS LTD · · DIAMOND DRILL LOG DATE PAGE 17 OF 17

METRES	DESCRIPTION	% EQUIV.	MAG. SUSC. (gamma)	SHEAR INT. 0–low 10–High	BLEACHING 0–None 10–High	ALTERATION & MINERALIZATION % (d–disseminated, p–pervasive, v–veined, mv–microveined, sk–stockwork)	% RECOVERY	SAMPLING FROM (m)	TO (m)	SAMPLE #	WIDTH (m)	Au ppb	Au oz/t	CHK
371	Sheared Volcanics	4	.0	4	6	py .01		370.0	371.0	82285				
2		2	.2	4	6	py .1		371.0	372.0	82286				
3		3	0	3	6	py .3		372.0	373.0	82287				
4		1	0	3	5	py .01		373.0	374.0	82288				
5		3	0	4	5	py .01		374.0	375.0	82289				
6	376.0m Foliation 63° to c.a.	2	0	4	5	py .3		375.0	376.0	82290				
7	377.07 - 377.18m Felsic Dyke - light to medium grey, fine gr (<.5mm) sharp contacts parallel to foliations. Dyke	3	.4	5	6	py .03		376.0	377.0	82291				
8	shows an increase in pyrite (≈2% over 11cm). Predominantly	4	.1	4	5	py .1		377.0	378.0	82292				
9	379.0m End of Hole	3	0	5	5	py .01		378.0	379.0	82293				
380														
1														
2														
3														
4														
5														
6														
7														
8														
9														
0														

DRILL HOLE 457.0W PROJECT M588 CHEVRON MINERALS LTD -RQD LOG DATE PAGE 1 OF

FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD	FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD
49	50	1.00	.46	46	0	0	85.22	86	.78	76	97	.20	26
50	51.50	1.50	.78	52	0	0	86	89	3.00	2.92	97	2.00	66
51.50	52.60	1.10	.91	82	0	0	89	90.28	1.28	1.24	96	.86	69
52.60	53	.40	.37	93	0	0	90.28	92	1.72	1.60	87	.55	31
53.	53.97	.97	.70	80	0	0	92	95	3.00	2.92	97	1.13	37
53.97	54.34	.47	.37	79	0	0	95	98	3.00	3.02	100	1.72	57
54.34	54.95	.61	.36	59	0	0	98	101	3.00	2.93	97	1.60	53
54.95	56.41	.46	.35	76	0	0	101	104	3.00	3.00	100	2.73	91
56.41	56	.59	.49	83	.26	44	104	107	3.00	2.97	99	1.18	39
56	56.67	.67	.66	99	.11	16	107	110	3.00	2.91	97	.50	16
56.67	58.48	1.81	1.63	90	.69	38	110	113	3.00	2.95	95	.89	29
58.48	59.35	.87	.53	61	.15	17	113	116	3.00	3.00	100	1.78	57
59.35	61.15	1.80	1.70	94	.98	54	116	119	3.00	2.96	98	2.15	71
61.15	64.34	3.19	3.13	98	2.80	88	119	122	3.00	2.90	96	1.38	46
64.34	65.80	1.14	1.47*	129	1.01	89	122	125	3.00	2.97	99	1.6	55
65.80	66.90	1.1 (no chip)					125	125	3.00	2.97	99	.96	31
66.90	70.10	3.2	4.25	99	3.30	77	125	126.12	1.12	1.00	89	.38	33
70.10	72.14	2.04	2.00	98	1.41	69	126.12	131	1.55	1.71	90	.77	48
72.14	74.0	1.86	1.78	95	.76	41	131	132.19	1.19	1.14	95	.27	22
74.0	77.0	3.00	3.00	100	1.87	62	132.19	134	1.81	1.61	88	.41	22
77.0	80.0	3.00	3.00	100	2.33	78	134	136.97	2.97	2.82	84	.25	25
80.0	83.0	3.00	2.66	88	1.92	64	136.97	139	2.03	1.94	95	.99	48
83.0	85.22	2.22	2.15	96	.40	18	139	142.75	3.00	2.75	91	1.66	55

DRILL HOLE [illegible] PROJECT [illegible] CHEVRON MINERALS LTD -RQD LOG DATE PAGE 2 OF

FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD	FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD
140	141.50	1.50	1.50	100	0	0	200	203	3.00	2.97	99	2.74	91
141.50	143	1.50	1.01	67	0	0	203	206	3.00	2.98	99	2.24	74
143	145.15	2.15	1.55	72	.29	13	206	209	3.00	2.95	99	2.49	83
145.15	146	.85	.98	100	.33	38	209	212	3.00	2.99	99	2.57	86
146	149	3.00	1.40	46	0	0	212	215	3.00	2.98	99	2.34	78
149	152	3.00	2.93	97	1.10	36	215	218	3.00	2.93	97	2.50	83
152	155	3.00	3.02	100	1.97	64	218	221	3.00	3.00	100	2.02	67
155	158	3.00	2.95	99	1.69	56	221	224	3.00	2.95	98	2.33	77
158	161	3.00	2.95	99	1.52	50	224	227	3.00	2.93	97	2.04	68
161	164	3.00	3.00	100	1.97	65	227	230	3.00	2.93	97	2.29	76
164	167	3.00	2.82	94	.66	22	230	233	3.00	2.93	97	2.11	70
167	170	3.00	2.97	99	1.08	36	233	236	3.00	3.00	100	2.79	93
170	173	3.00	2.95	98	1.07	35	236	239	3.00	3.00	100	2.93	97
173	176	3.00	2.97	99	1.93	64	239	242	3.00	2.92	97	1.53	51
176	179	3.00	2.82	94	1.76	58	242	245	3.00	3.00	100	1.95	65
179	182	3.00	2.94	98	1.72	57	245	248	3.00	2.91	97	2.75	91
182	185	3.00	2.96	99	1.84	61	248	251	3.00	2.97	99	2.51	83
185	187.17	2.17	1.65	76	.26	11	251	254	3.00	3.05	100	2.55	85
187.17	188	.83	.87	100	.44	53	254	257	3.00	2.97	99	2.62	87
188	191	3.00	2.82	94	2.21	73	257	260	3.00	2.95	99	2.40	80
191	194	3.00	3.02	100	2.73	91	260	263	3.00	2.96	99	2.69	90
194	197	3.00	2.92	97	1.80	60	263	266	3.00	2.99	99	2.73	91
197	200	3.00	2.97	99	2.13	71	266	269	3.00	2.99	99	2.52	84

DRILL HOLE [illegible] PROJECT [illegible] CHEVRON MINERALS LTD -RQD LOG DATE PAGE 3 OF

FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD	FROM (m)	TO (m)	INTERVAL	Metres of core	% Recovery	Metres RQD	% RQD
269	272	3.00	2.99	99	2.80	93	337	340	3.00	3.04	100	2.60	86
272	274	3.00	2.95	98	2.48	82	340	343	3.00	2.95	99	1.45	51
274	278	3.00	2.98	99	2.43	81	343	346	3.00	2.96	98	2.25	75
278	281	3.00	1.98	99	1.70	56	346	349	3.00	2.98	99	2.63	87
281	284	3.00	2.90	98	2.07	69	349	352	3.00	2.97	99	2.36	78
284	287	3.00	2.98	99	2.38	79	352	355	3.00	2.97	99	2.78	92
287	290	3.00	2.95	98	2.55	85	355	358	3.00	3.00	100	2.64	88
290	293	3.00	2.95	98	2.93	97	358	361	3.00	3.00	100	2.73	91
293	295	2.00	2.20	110	2.08	100	361	364	3.00	2.96	98	2.55	85
295	298	3.00	3.00	100	2.00	66	364	367	3.00	2.95	98	1.91	63
298	301	3.00	2.96	98	2.69	89	367	370	3.00	3.03	100	2.89	96
301	303	2.00	2.13	100	1.31	65	370	373	3.00	2.91	97	2.68	89
303	306.20	3.20	3.12	97	2.79	87	373	376	3.00	3.06	100	2.91	97
306.20	309.38	3.18	3.21	100	3.09	97	376	379	3.00	2.93	97	2.76	92
309.38	312.60	3.22	3.22	100	2.93	90							
312.60	315.80	3.20	3.18	99	2.18	68							
315.80	319	3.20	3.17	99	1.87	58							
319	322	3.00	2.99	99	2.58	86							
322	325	3.00	3.00	100	2.79								
325	328	3.00	2.85	95	2.34								
328	331	3.00	3.00	100	1.71								
331	334	3.00	2.95	98	2.42								
334	337	3.00	3.00	100	2.54								

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REPORT ON AN AIRBORNE MAGNETIC AND VLF-EM SURVEY HOLMER PROJECT PORCUPINE MINING DIVISION, ONTARIO

for

CHEVRON CANADA RESOURCES LTD.

by

TERRAQUEST LTD.
Toronto, Canada

October 27, 1987

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020C

LIST OF FIGURES

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West, Toronto, Canada, M5H 2K1. Telephone (416) 869-0010

Suite 905, 121 Richmond Street West, Toronto, Canada, M5H 2K1. Telephone (416) 869-0010

1. INTRODUCTION

This report describes the specifications and results of a geophysical survey carried out for Chevron Canada Resources Ltd. of 1714-390 Bay Street, Toronto, Ontario, M5H 2Y2 by Terraquest Ltd., 905 - 121 Richmond Street West, Toronto, Canada. The field work was performed on August 16, 1987 and the data processing, interpretation and reporting from August 17 to October 27, 1987.

The purpose of a survey of this type is two-fold. One is to prospect directly for anomalously conductive and magnetic areas in the earth's crust which may be caused by, or at least related to, mineral deposits. A second is to use the magnetic and conductivity patterns derived from the survey results to assist in mapping geology, and to indicate the presence of faults, shear zones, folding, alteration zones and other structures potentially favourable to the presence of gold and base-metal concentration. To achieve this purpose the survey area was systematically traversed by an aircraft carrying geophysical instruments along parallel flight lines spaced at even intervals, 100 meters above the terrain surface, and aligned so as to intersect the regional geology in a way to provide the optimum contour patterns of geophysical data.

2. THE PROPERTY

The property is located predominantly in Bristol township, in the Porcupine Mining Division of Ontario about 15 kilometres southwest of the town of Timmins. The property covers most of the township and is crossed by Highway 101.

The latitude and longitude are 48 degrees 18 minutes, and 81 degrees 30 minutes respectively, and the N.T.S. references are 42A/5 and 6.

The survey area is shown in figure 2.

3. GEOLOGY

Map References

1. Map 1957-7: Bristol Township. scale 1:12,000. O.D.M. 1957.
2. Map 2330: Turnbull and Godfrey Townships. scale 1:31,680. O.D.M. 1976.
3. Map 2205: Timmins-Kirkland Lake, Geological Compilation Series. scale 1:253,440. O.D.M. 1973.
4. Map 2455: Timmins. scale 1:50,000. O.G.S. 1982.

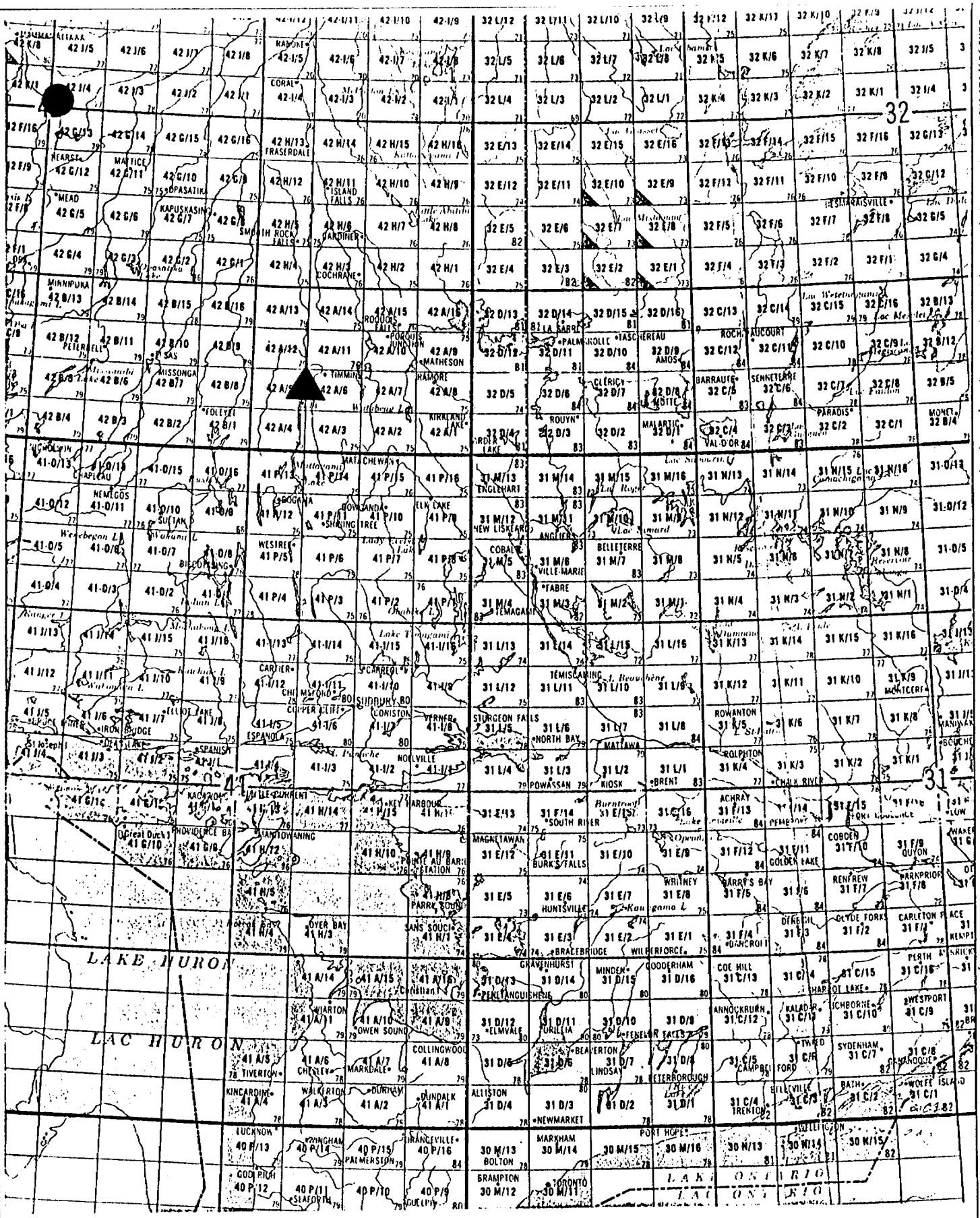

FIGURE 1. General Location

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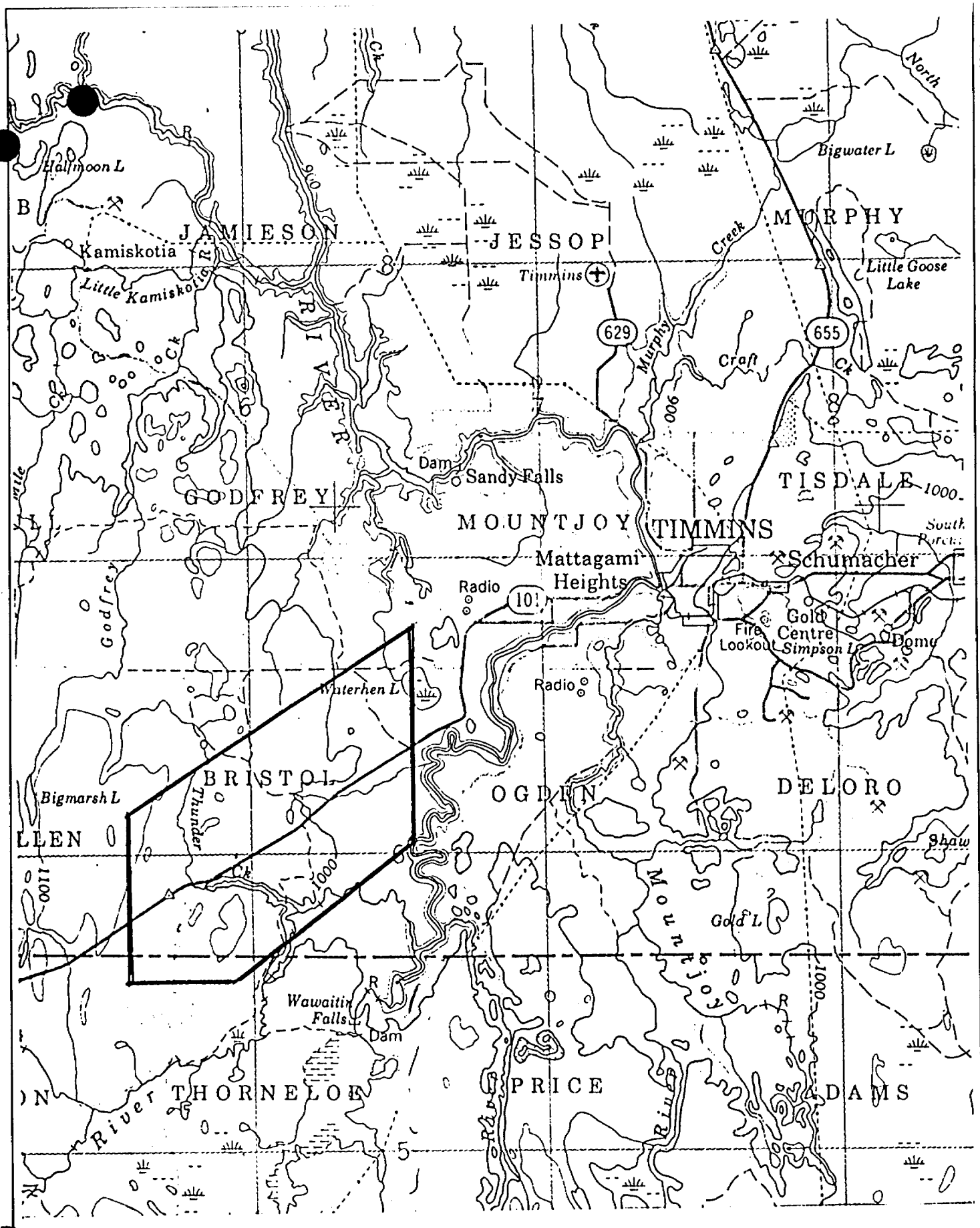

FIGURE 2. Survey Area Location

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The survey area is underlain by two major lithotypes trending to the northeast. Clastic metasediments occur to the south and are comprised primarily of greywacke and argillite. The northern half of the survey is underlain by mafic to intermediate metavolcanics, predominantly tuffaceous and pillowed andesites. Felsic volcanics occur as minor intercalations within the mafic metavolcanics and as a major unit to the northwest beyond the property. Small pods of pyroxinite and hornblendite occur to the south along the contact between the metavolcanics and metasediments. Minor feldspar porphyry pods occur throughout the area. The survey area is intruded by two dykes swarms, one trending to the north and one to the northwest.

There are two dominant structural trends. Northwest trending faults parallel to the dyke swarm displace east-west trending lineaments.

Numerous gold and copper, and minor asbestos and molybdenum showings occur throughout the property within both lithotypes. The area has had considerable exploration in the past with several shafts close to the volcanic-sedimentary contact.

4. SURVEY SPECIFICATIONS

4.1 Instruments

The survey was carried out using a Cessna 206 aircraft, registration C-GGLS, which carries a magnetometer and a VLF electromagnetic detector.

The magnetometer is a high sensitivity airborne proton (Overhauser) type with the sensor element mounted in a towed bird at a distance of 14 metres below and 24 metres behind the aircraft. It's specifications are as follows:

Resolution:	0.01 gamma
Accuracy:	0.03 gamma for 2 readings per second
Cycle time:	0.5 second
Range:	20000-100000 gammas
Gradient tolerance:	Up to 5000 gammas per meter
Model:	GSM-11
Manufacturer:	GEM Systems Inc., 105 Scarsdale Rd., Don Mills, Ontario, M3B 2R5

The VLF-EM unit uses three orthoganol detector coils to measure (a) the total field strength of the time-varying EM field and (b) the phase relationship between the vertical coil and both the "along line" coil (LINE) and the "cross-line" coil (ORTHO). The LINE coil is tuned to a transmitter station that is ideally positioned at right angles to the flight lines, while the ORTHO coil transmitter should be in line

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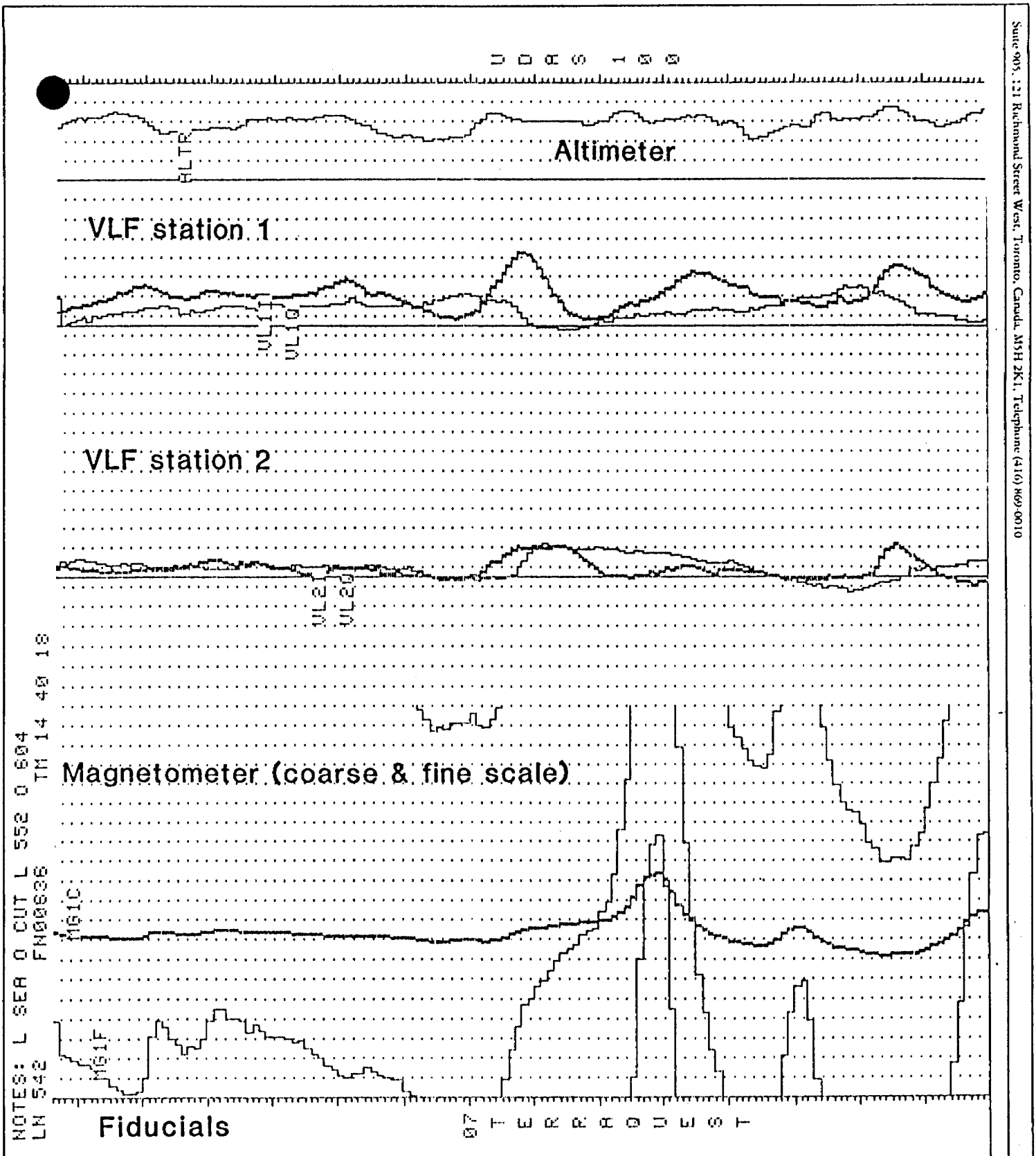

FIGURE 3. Sample of analogue data

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with the flight lines. It's specifications are:

Accuracy:	1%
Reading interval:	1/2 second
Model:	TOTEM 2A
Manufacturer:	Herz Industries, Toronto

The VLF sensor is mounted in the left wing tip extension.

Other instruments are:

- King KRA-10A Radar altimeter
- UDAS-100 data processor with Digidata nine track tape recorder, manufactured by Urtec Ltd., Markham, Ontario.
- Geocam video camera and recorder for flight path recovery, manufactured by Geotech Ltd., Markham, Ontario.

4.2 Lines and Data

a) Line spacing:	100 metres	
b) Line direction:	360 degrees	
c) Terrain clearance:	100 metres	
d) Average ground speed:	193 km/hr.	
e) Data point interval:	Magnetic:	11 metres
	VLF-EM:	11 metres
f) Tie Line interval:	2 kilometres	
g) Channel 1 (LINE):	NAA Cutler, 24.0 kHz	
h) Channel 2 (ORTHO):	NSS Annapolis, 21.4 kHz	

i) Line km over total survey area: 882 kms

4.3 Tolerances

a) Line spacing: Any gaps wider than twice the line spacing and longer than 10 times the line spacing were filled in by a new line.
b) Terrain clearance: Portions of line which were flown above 125 metres for more than one km were reflown if safety considerations were acceptable.
c) Diurnal magnetic variation: Less than ten gammas deviation from a smooth background over a period of two minutes or less as seen on the base station analogue record.
d) Manoeuvre noise: nil

4.4 Photomosaics

For navigating the aircraft and recovering the flight path, semicontrolled mosaics of aerial photographs were made from existing air photos. Each individual photograph was photographically adjusted to conform to the NTS map system before the mosaic was assembled.

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5. DATA PROCESSING

Flight path recovery was carried out in the field using a video tape viewer to observe the flight path as recorded by the Geocam video camera system. The flight path recovery was completed daily to enable reflights to be selected where needed for the following day.

The magnetic data was levelled in the standard manner by tying survey lines to the tie lines. The IGRF has not been removed. The total field was contoured by computer using a program provided by Dataplotting Services Inc. To do this the final levelled data set is gridded at a grid cell spacing of 1/10th of an inch at map scale.

The VLF data was treated automatically so as to normalize the non conductive background areas to 100 (total field strength) and zero (quadrature). The algorithms to do this were developed by Terraquest and will be provided to anyone interested by application to the company.

The vertical magnetic gradient is computed from the total field data using a method of transforming the data set into the frequency domain, applying a transfer function to calculate the gradient, and then transforming back into the spatial domain. The method is described by a number of authors including Grant, 1972 and Spector, 1968. The computer program for this purpose is provided by Paterson, Grant and Watson Ltd. of Toronto.

All of these dataprocessing calculations and map contouring were carried out by Dataplotting Services Inc. of Toronto.

Grant, F.S. and Spector A., 1970: Statistical Models for Interpreting Aeromagnetic Data; Geophysics, Vol 35

Grant, F.S., 1972: Review of Data Processing and Interpretation Methods in Gravity and Magnetics; Geophysics 37-4

Spector, A., 1968: Spectral Analysis of Aeromagnetic maps; unpublished thesis; University of Toronto, 1968.

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INTERPRETATION

6.1 General Approach

To satisfy the purpose of the survey as stated in the introduction, the interpretation procedure was carried out on both the magnetic and VLF data. On a local scale the magnetic gradient contour patterns were used to outline geological units which have different magnetic intensity and patterns or "signatures". Where possible these are related to existing geology to provide a geological identity to the units. On a regional scale the total field contour patterns were used in the same way.

Faults and shear zones are interpreted mainly from lateral displacements of otherwise linear magnetic anomalies but also from long narrow "lows". The direction of regional faulting in the general area is taken into account when selecting faults. Folding is usually seen as curved regional patterns. Alteration zones can show up as anomalously quiet areas, often adjacent to strong, circular anomalies that represent intrusives. Magnetic anomalies that are caused by iron deposits of ore quality are usually obvious owing to their high amplitude, often in tens of thousands of gammas.

VLF anomalies are categorized according to whether the phase response is normal, reverse, or no phase at all. The significance of the differing phase responses is not completely understood although in general reverse phase indicates either overburden as the source or a conductor with considerable depth extent, or both. Normal phase response is theoretically caused by surface conductors with limited depth extent.

Areas showing a smooth response somewhat above background (ie. 110 or so) are likely caused by overburden which is thick enough and conductive enough to saturate at these frequencies. In this case no response from bedrock is seen.

The VLF-EM conductor axes have been identified and evaluated according to the Terraquest classification system (Figure 4). This system correlates the nature and orientation of the conductor axes with stratigraphic, structural and topographic features to obtain an association from which one or more origins may be selected. Alternate associations are indicated in parentheses.

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FIGURE 4

TERRAQUEST CLASSIFICATION OF VLF-EM CONDUCTOR AXES

SYMBOL	CORRELATION	ASSOCIATION: Possible Origins
a , A	Coincident with magnetic stratigraphy	Bedrock magnetic horizons: stratabound mineralogic origin or shear zone
b , B	Parallel to magnetic stratigraphy	Bedrock non-magnetic horizons: stratabound mineralogic origin or shear zone
c , C	No correlation with magnetic stratigraphy	Association not known: possible small scale stratabound mineralogic origin, fault or shear zone, overburden
d , D	Coincident with magnetic dyke	Dyke or possible fault: mineralogic or electrolytic
f , F	Coincident with topographic lineament or parallel to fault system	Fault zone: mineralogic or electrolytic
ob , OB	Contours of total field response conform to topographic depression	Most likely overburden: clayey sediments, swampy mud
cul , CUL	Coincident with cultural sources	Electrical, pipe or railway lines

NOTES

1 - Upper case symbols denote a relatively strong total field strength
2 - Underlined symbols denote a relatively strong quadrature response
3 - Mineralogic origins include sulphides, graphite, and in fault zones, gouge
4 - Electrolytic origins imply conductivity related to porosity or high moisture content

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6.2 Interpretation

The magnetic and VLF-EM data are shown in contoured format on maps at a scale of 1:10,000 in the back pocket. An interpretation is also provided. The following notes are intended to supplement these maps.

The total magnetic field has a relief of approximately 1,000 gammas and shows a massive anomaly to the southwest and numerous north and northwest trending narrow anomalies that cross the entire survey area. A moderate strength magnetic unit can be observed across the centre of the property from east to west. The vertical magnetic gradient improves and enhances the resolution of the north and northwest trending anomalies and tends to obscure the east-west trending magnetic zone.

The north and northwest trending narrow anomalies are interpreted to be diabase dykes (Unit 8) and the massive anomaly to the southwest is interpreted to be mafic to ultramafic intrusives (Unit 4). Together these strong magnetic susceptibilities overwhelm the responses from the adjacent areas. The data is further complicated by the fact that the flight lines of the survey are parallel to the strongest magnetic trends and therefore the data is difficult to level. The application of orientation-specific decorrugation techniques or shadow plots are recommended to remove the effects of these diabase dykes.

The magnetic responses from the major stratigraphic units can best be observed on the total magnetic field data. The clastic metasediments (Unit 3) and the monzonite (Unit 5) to the south correlate with low magnetic responses. The felsic metavolcanics (Unit 2) to the north correlate with weak to moderate responses and the intermediate metavolcanics (Unit 1) correlate with moderate to strong responses. In several places horizons with higher magnetic activity can be observed within the intermediate metavolcanics. These are shown as Unit 1m on the interpretation map and are probably related to magnetic minerals such as magnetite or pyrrhotite or possibly to more mafic compositions.

The magnetically interpreted faults strike primarily to the east and southeast. This observation is permitted by the displacement of numerous north trending diabase dykes. Faults coincident with and parallel to the diabase dykes are suspected by the lack of continuity of the east-west faults.

The VLF-EM data shows numerous weak to strong conductor axes that correlate well with the east trending magnetically interpreted faults

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and shear zones. This type of conductivity may be related to: a) minerals such as graphite, gouge or sulphides along a structure, or to b) an ionic effect created by porosity or water in the structure or to clay in an overlying topographic depression.

Several conductor axes are parallel to cultural features and are probably related to power lines.

Two conductor axes coincide with the magnetic stratigraphy, one with the mafic to ultramafic intrusives in the southwest and one with the intermediate metavolcanics along the eastern edge of the survey. These possess potential for bedrock sources such as sulphides or graphite and should be followed up on the ground using EM or IP methods.

7. SUMMARY

An airborne combined magnetic and VLF-EM mapping survey has been carried out at 100 metre line intervals with data reading stations at 11 metres along the flight lines. All data is produced on maps at a scale of 1:10,000.

The magnetic data has been used to modify and update the existing geology and has shown a number of new contacts and faults. A number of VLF-EM conductor axes were found most of which are associated with structural sources. Two are believed to have potential sulphide origins and have been recommended for additional investigation.

TERRAQUEST LTD.

Charles Q. Barrie, M.Sc.
Geologist

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6355488

900 opment

FILE COPY
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Designated Program

*Designation Number: OM87-5-C- 173

*Please refer to this number in all correspondence

The Ontario Mineral Exploration Program Act, 1980 and Regulations made thereunder.

42A05NE8490 63.5488 BRISTOL

Chevron Minerals Ltd.

mber 1714 - 390 Bay St.

Toronto | Province Ont. | Postal Code M 5 H 2 Y 2

pplicant's proposed mineral exploration program submitted on 87/08/20 (Year/Month/Day) on form OMEP1, and having met

ubject to The Ontario Mineral Exploration Program Act, 1980, and regulations made thereunder, has been approved and herewith certified and duly

gnated Program.

eriod of designation is from 87/08/20 (Year/Month/Day) to 87/12/31 (Year/Month/Day)

Maximum Grant and/or Tax Credit $ 78,600 = 25% of Eligible Expenses $ 314,400 Budgeted Total Expenses $ 314,400

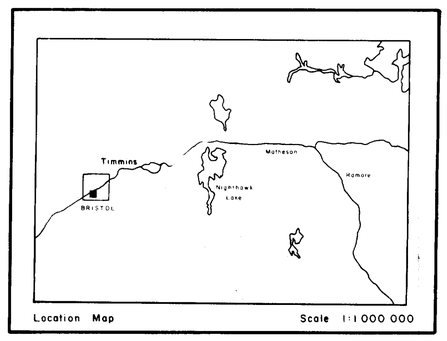
87/10/05
Year/Month/Day

E R Solonyka
OMEP ~~Director~~/Administrator

Note: Applications for Grants or Tax Credits must be made within six months of the expiry date of the period of designation.

Quarterly Reports must be submitted.

HOLMER PROJECT: INITIAL CLAIM GROUP



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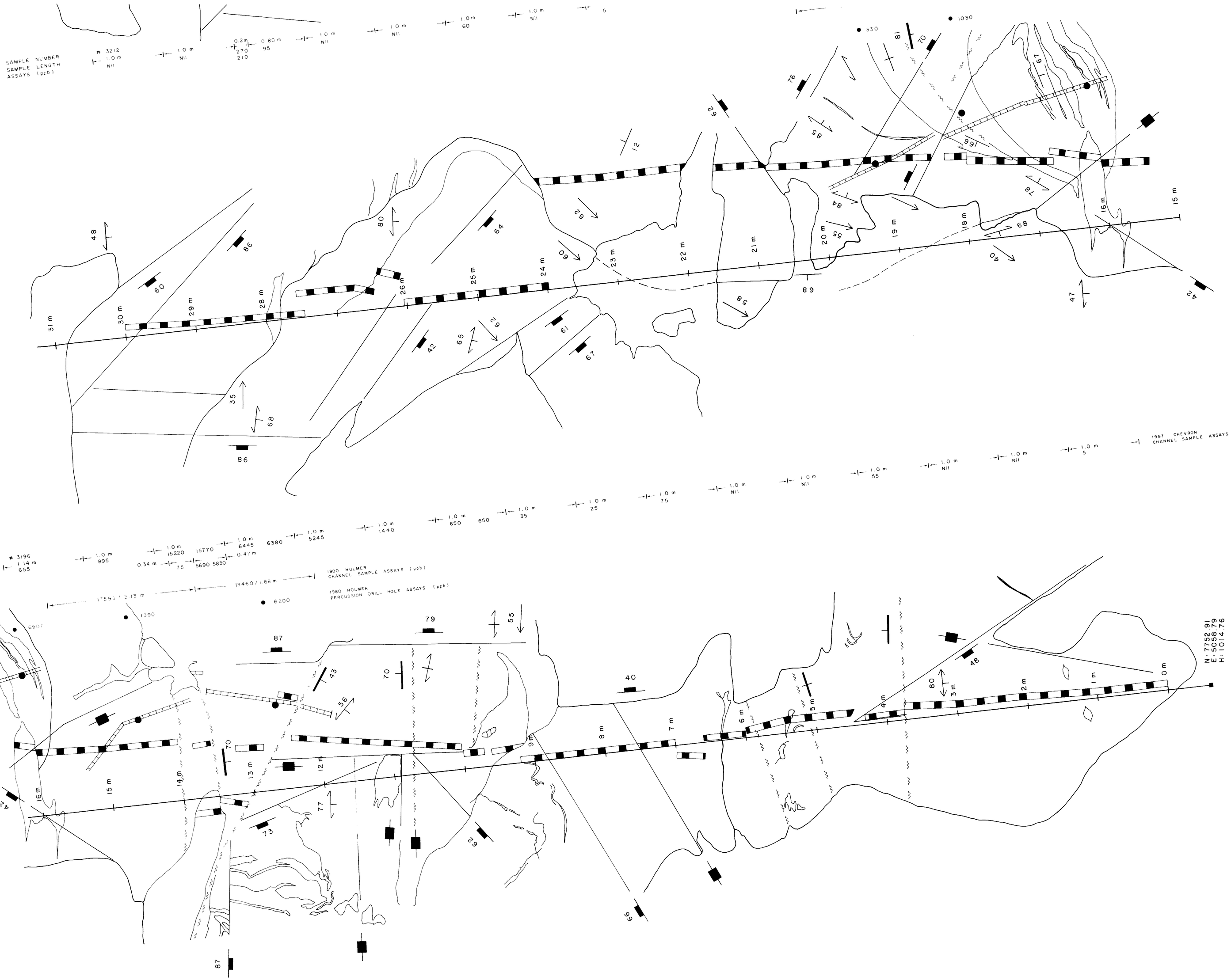
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Nil
1.0 m
Nil
1.0 m
60
1.0 m
Nil
5
1987 CHEVRON
CHANNEL SAMPLE ASSAYS (ppb)
1.0 m
Nil
1.0 m
Nil
1.0 m
55
1.0 m
Nil
1.0 m
Nil
1.0 m
5
1.0 m
75
1.0 m
Nil
1.0 m
25
1.0 m
650
650
1.0 m
35
1.0 m
1440
SAMPLE NUMBER
SAMPLE LENGTH
ASSAYS (ppb)
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655
1.0 m
995
1.0 m
15220
0.34 m
75
15770
1.0 m
6445
6380
1.0 m
5245
5690
5830
0.47m
1759.0 / 2.13 m
13460 / 1.68 m
1980 HOLMER
CHANNEL SAMPLE ASSAYS (ppb)
1980 HOLMER
PERCUSSION DRILL HOLE ASSAYS (ppb)
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330
1030
1390
6500
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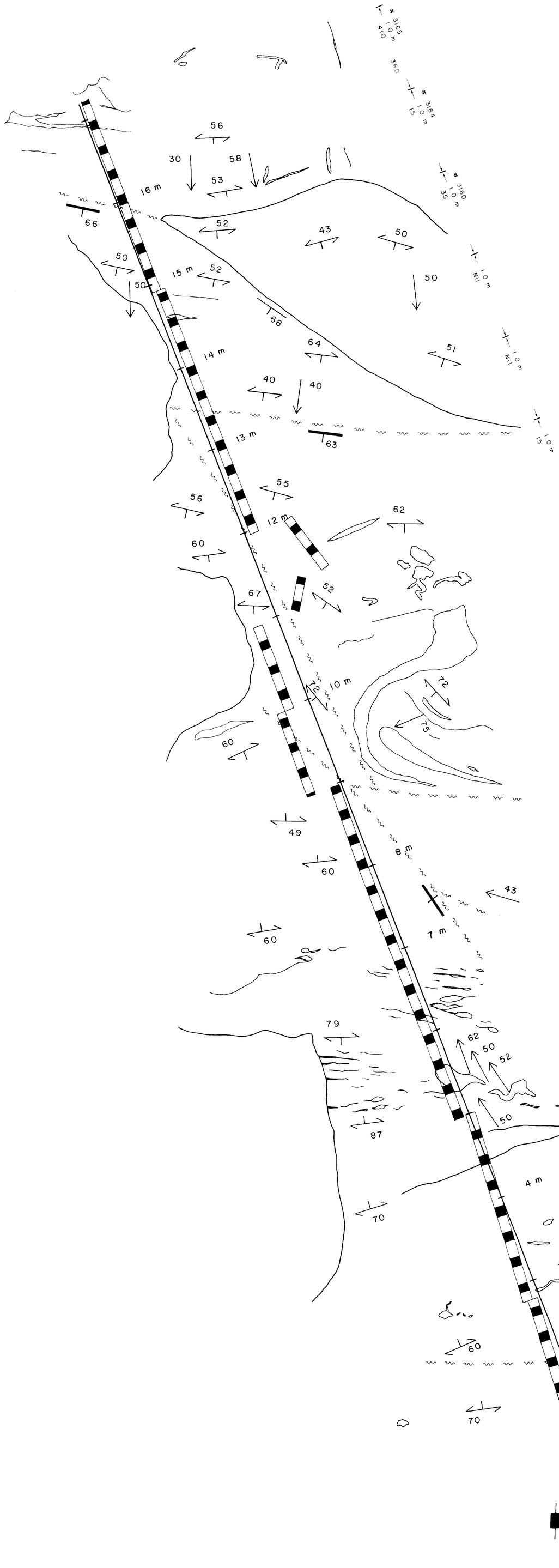
E: 5058.79
H: 1014.76
210


56
30
58
53
16 m
66
52
43
50
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50
15 m
52
50
68
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40
13 m
63
55
56
62
12 m
60
67
52
72
72
10 m
75
60
49
60
8 m
43
60
7 m
79
62
50
52
50
87
4 m
70
3 m
60
2 m
70
85
1 m
54
80
0 m
3165
1.0 m
410
360
3164
1.0 m
15
3160
1.0 m
35
1.0 m
Nil
1.0 m
Nil
1.0 m
15
1.0 m
415
1.0 m
160
1.0 m
Nil
1.0 m
240
1.0 m
1650
1710
1.0 m
1475
1710
1.0 m
220
3178
1.0 15m
35 10
1.0 m
50
1.0 m
40
1.0 m
Nil
1.0 m
15
3146
1.0 m
Nil
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SAMPLE LENGTH
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H: 1012.99
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Nil
1.0 m
10
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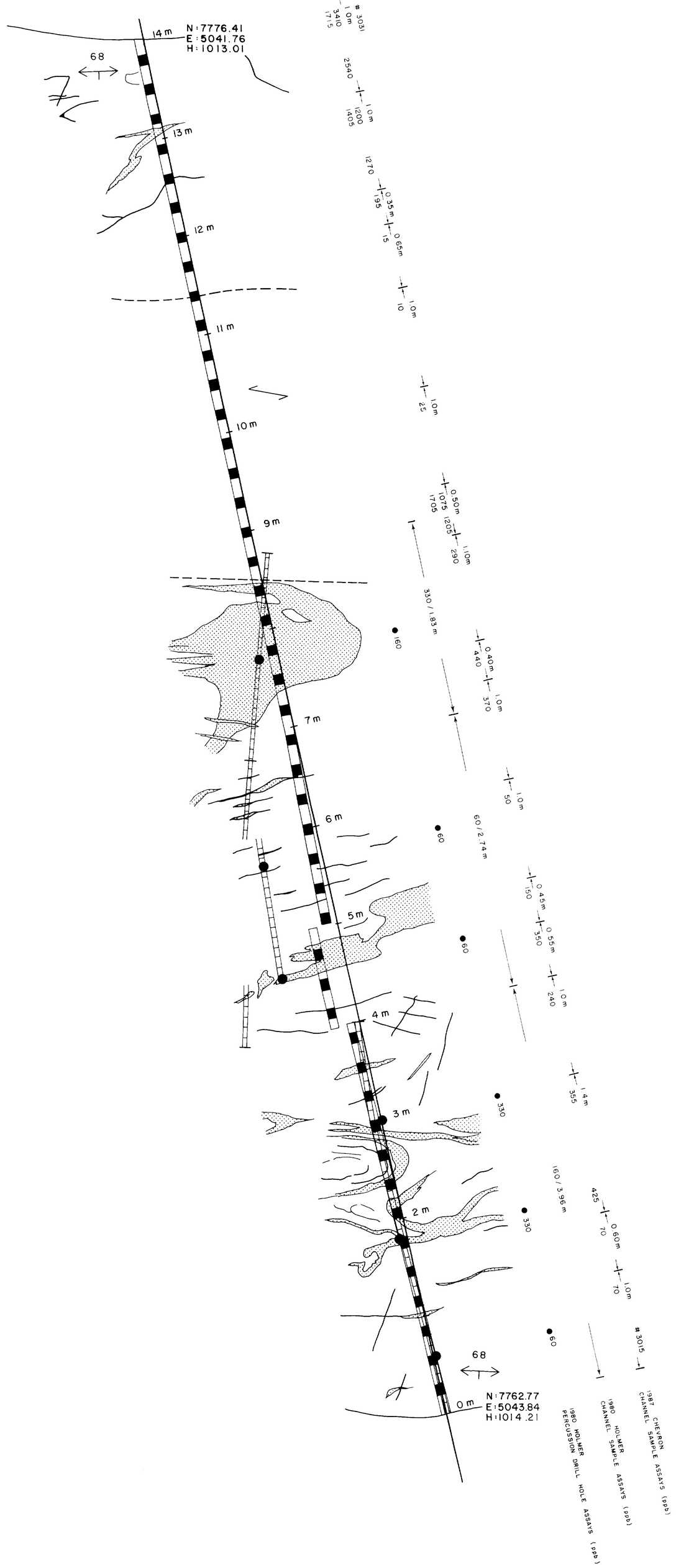
Nil
1.0 m
Nil
1.0 m
15
61
29 m
59
28 m
58
60
27 m
57
50
26 m
18
38
83
25 m
48
24 m
54
82
60
34
72
23 m
50
22 m
81
68
21 m
11
56
58
50
60
60
62
57
19 m
55
56
52
58
18 m
48
46
57
.987 CHEVRON
CHANNEL SAMPLE ASSAYS (ppb)



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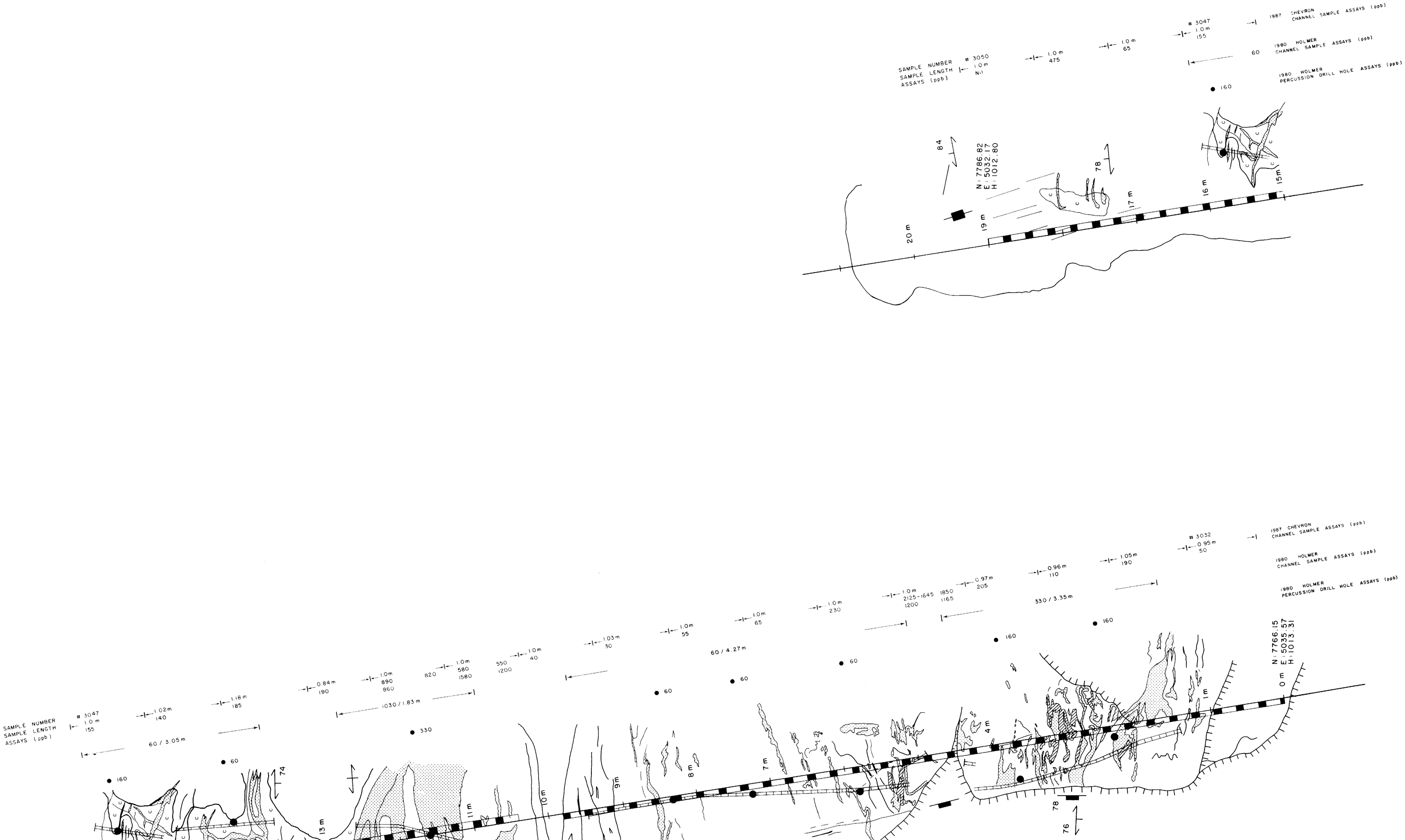
CHANNEL 5066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1.0 m
155
60
1987 CHEVRON
CHANNEL SAMPLE ASSAYS (ppb)
1980 HOLMER
CHANNEL SAMPLE ASSAYS (ppb)
1980 HOLMER
PERCUSSION DRILL HOLE ASSAYS (ppb)
160
84
N = 7786.82
E = 5032.17
H = 1012.80
78
20 m
19 m
17 m
16 m
15m
3032
0.95 m
50
1.05m
190
0.96m
110
0.97 m
205
1.0 m
2125-1645
1200
1850
1165
1.0 m
230
1.0m
65
1.0m
55
1.03m
30
1.0m
40
1.0m
580
1580
1.0m
890
860
0.84 m
190
1.18 m
185
1.02m
140
1.0 m
155
3047
330 / 3.35 m
60 / 4.27 m
1030 / 1.83 m
60 / 3.05 m
330
74
85
76
78
16 m
15 m
13 m
11 m
10m
9m
8 m
7 m
4 m
1 m
0 m
N = 7766.15
E = 5035.57
H = 1013.31

SAMPLE NUMBER
SAMPLE LENGTH
ASSAYS (ppb)

3144 | 1.0 m | 120 | 1.0 m | 265 | 1.0 m | 160 | 1.0 m | 5690 | 6050 | 1.0 m | 720 | 1.0 m | 615 | 1.0 m | 90 | 1.0 m | 1200 | 1.0 m | 1030 | 1.0 m | 1580 | 1440 | 110

N: 7773.95
E: 5011.22
H: 1012.74

29 m | 28 m | 27 m | 26 m | 25 m | 22 m | 21 m | 20 m | 19 m | 18 m | 17 m | 16 m

1987 CHEVRON
CHANNEL SAMPLE ASSAYS (ppb)

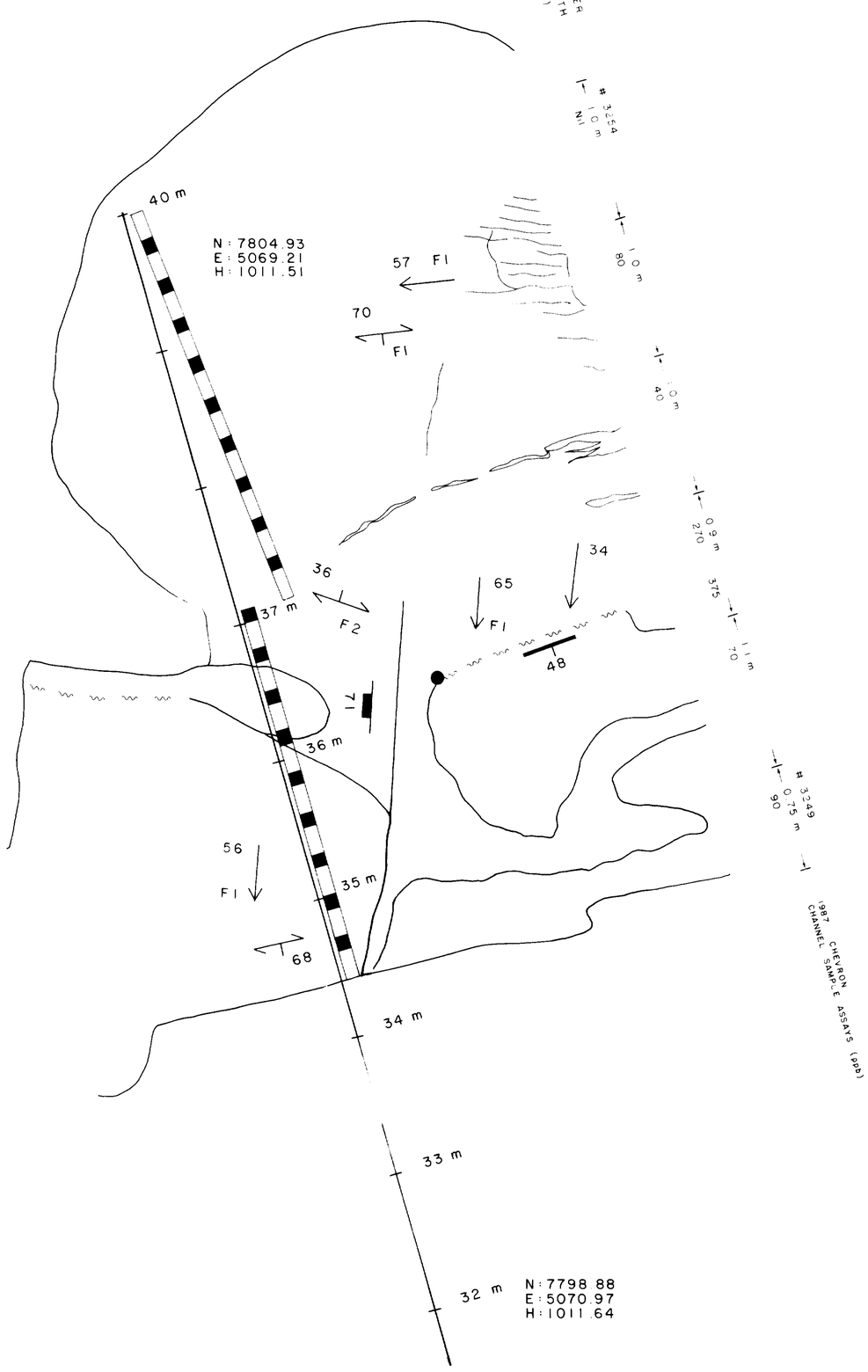
SAMPLE NUMBER
SAMPLE LENGTH
ASSAYS (ppb)

3129 | 1.0 m | 295 | 1.23 m | 160 | 0.27m | 20 | 1.5 m | Nil | 1.0 m | Nil | 1.0 m | Nil | 1.0 m | 5 | 1.0 m | 5/Nil | # 3121 | 1.0 m | Nil | # 3119 | 1.0 m | 5 | 1.0 m | Nil | 1.0 m | Nil | 1.0 m | Nil | 1.0 m | Nil | 1.0 m | 5

N: 7744.45
E: 5014.95
H: 1013.31

0 m | 1 m | 2 m | 3 m | 4 m | 5 m | 6 m | 7 m | 8 m | 9 m | 11 m | 12 m | 13 m

250



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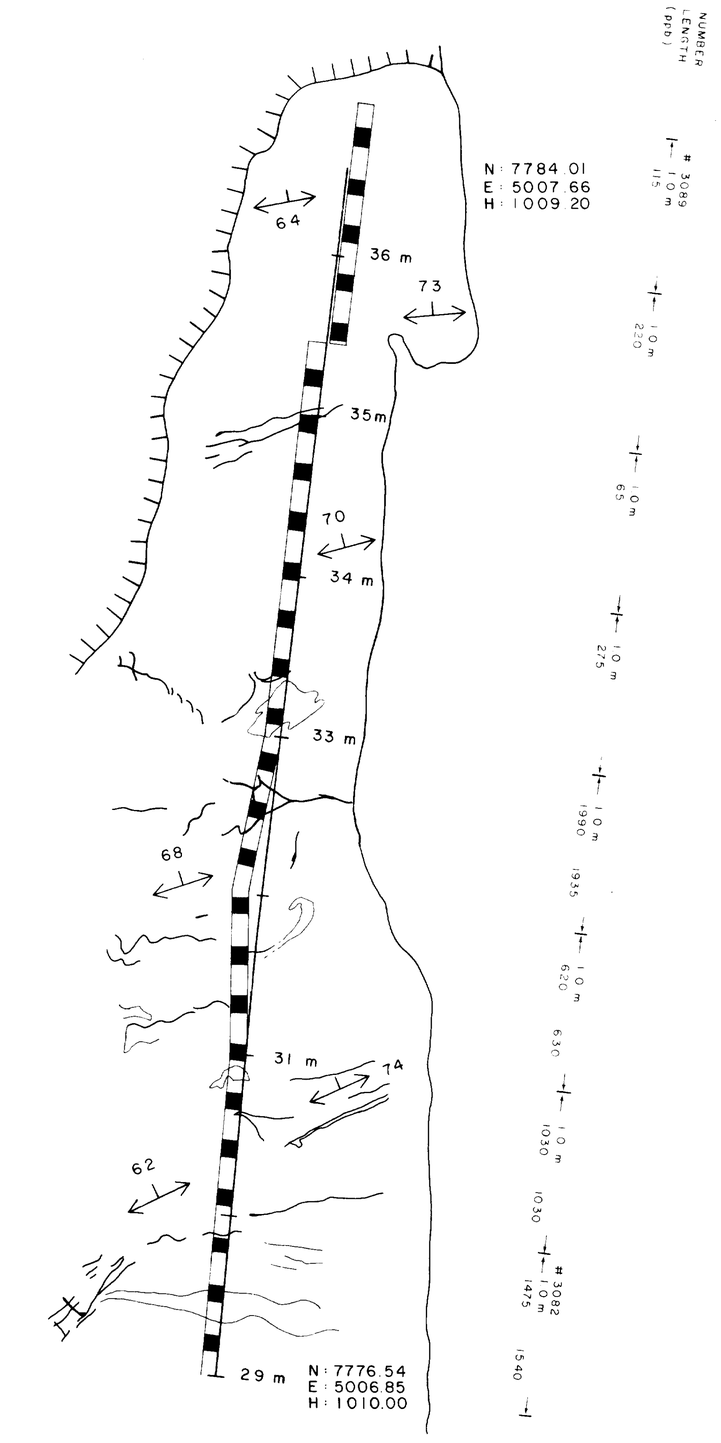

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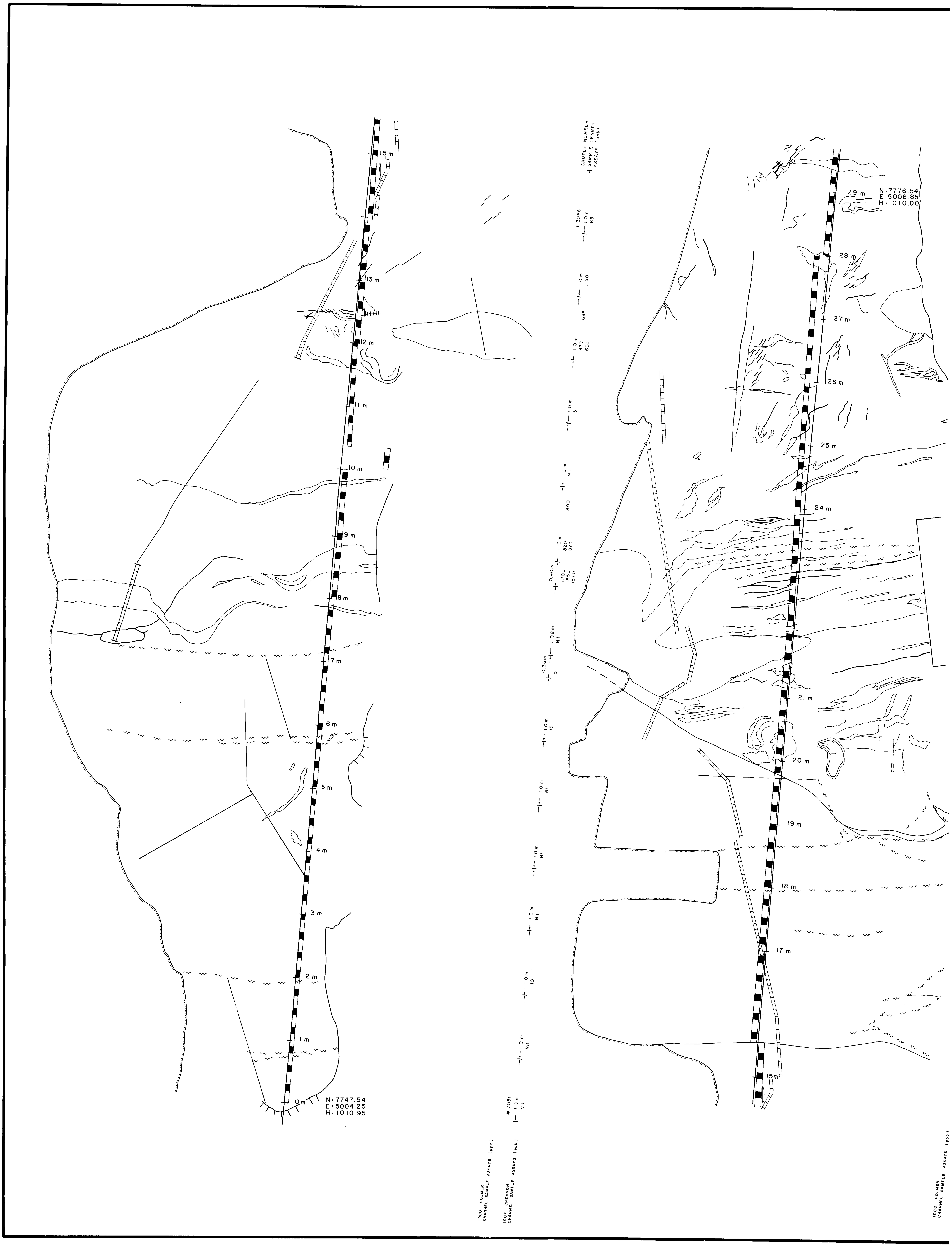
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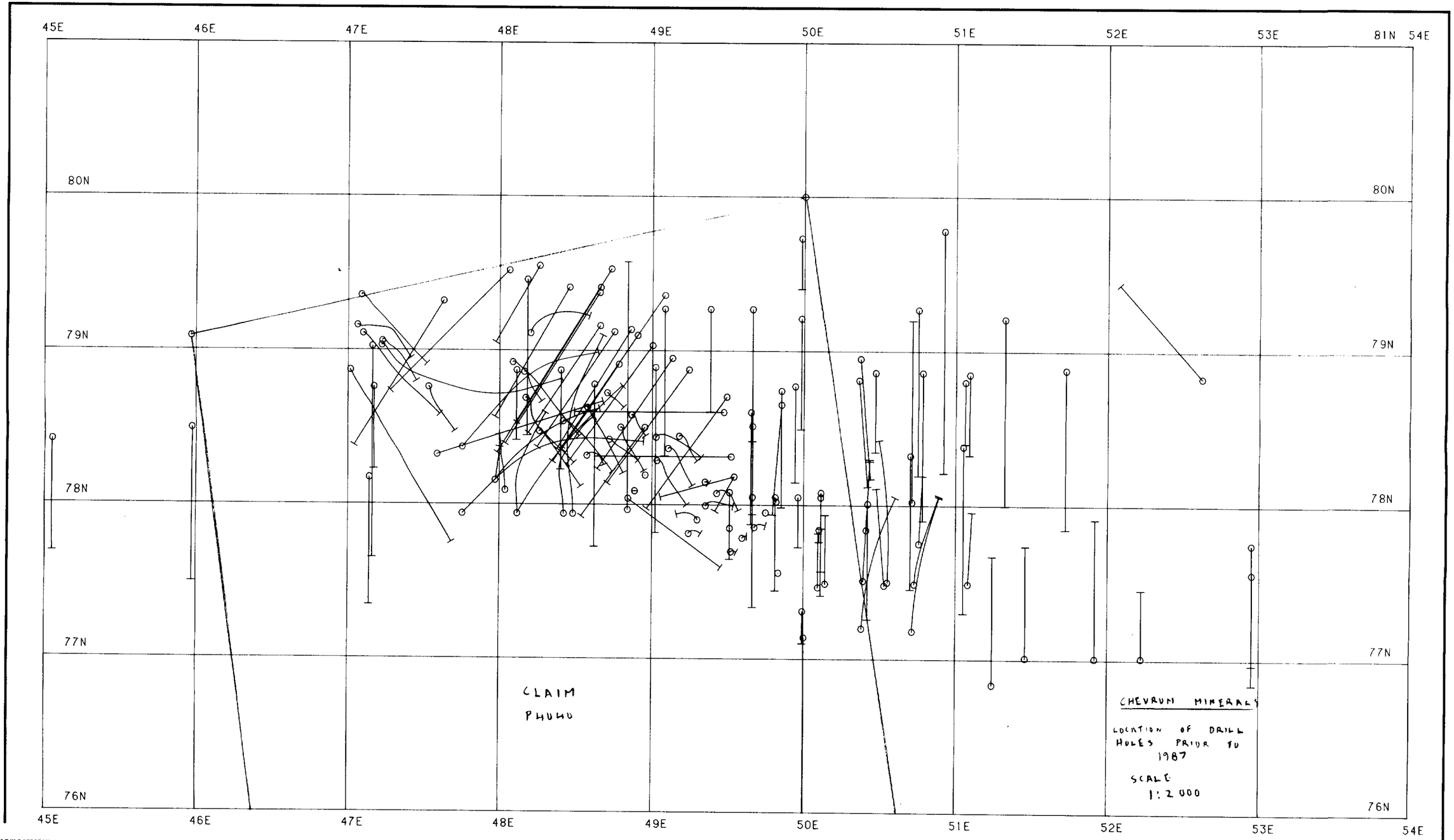
#3051
1980 HOLMER
CHANNEL SAMPLE ASSAYS (ppb)
1987 CHEVRON
CHANNEL SAMPLE ASSAYS (ppb)

270



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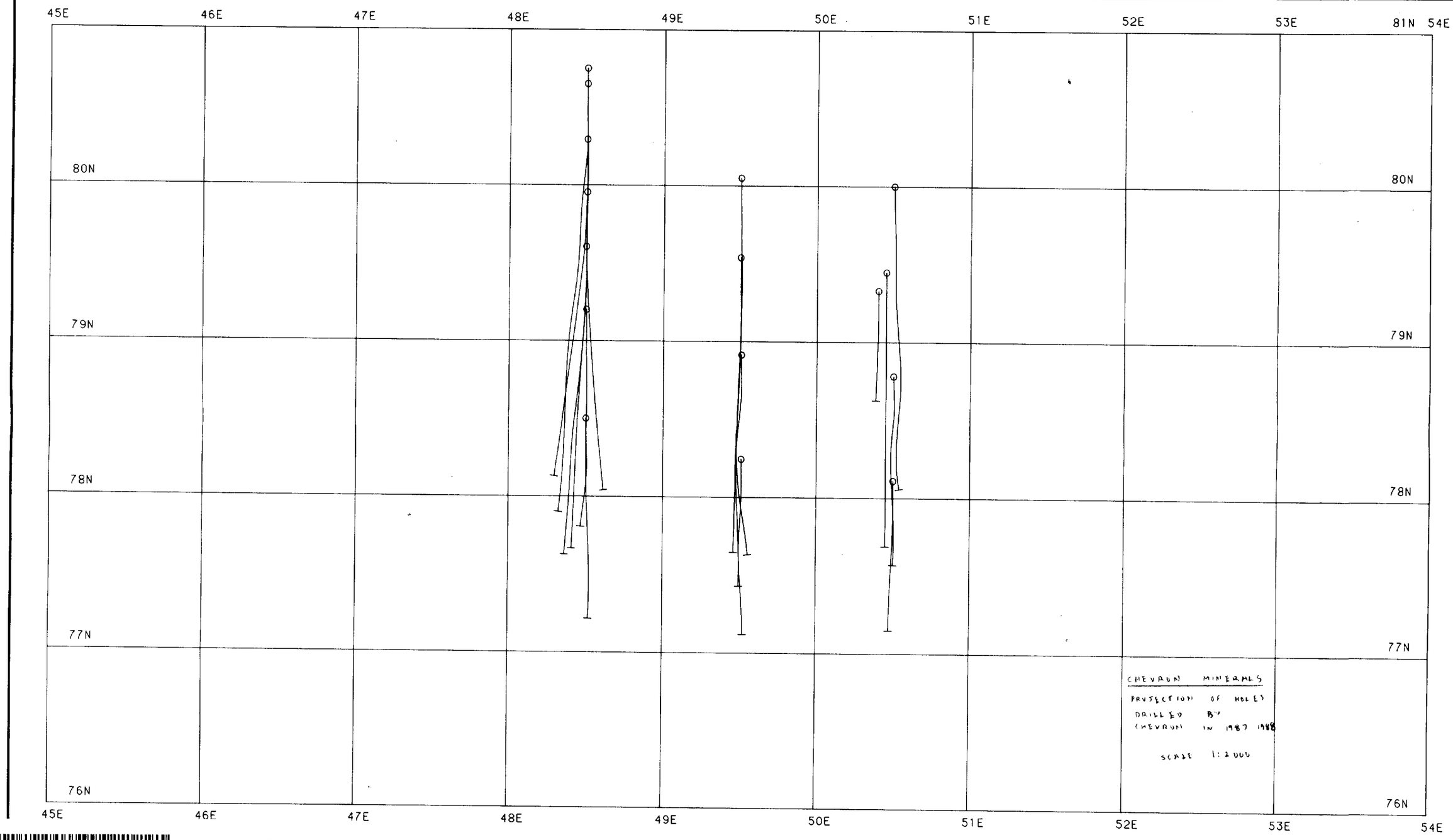

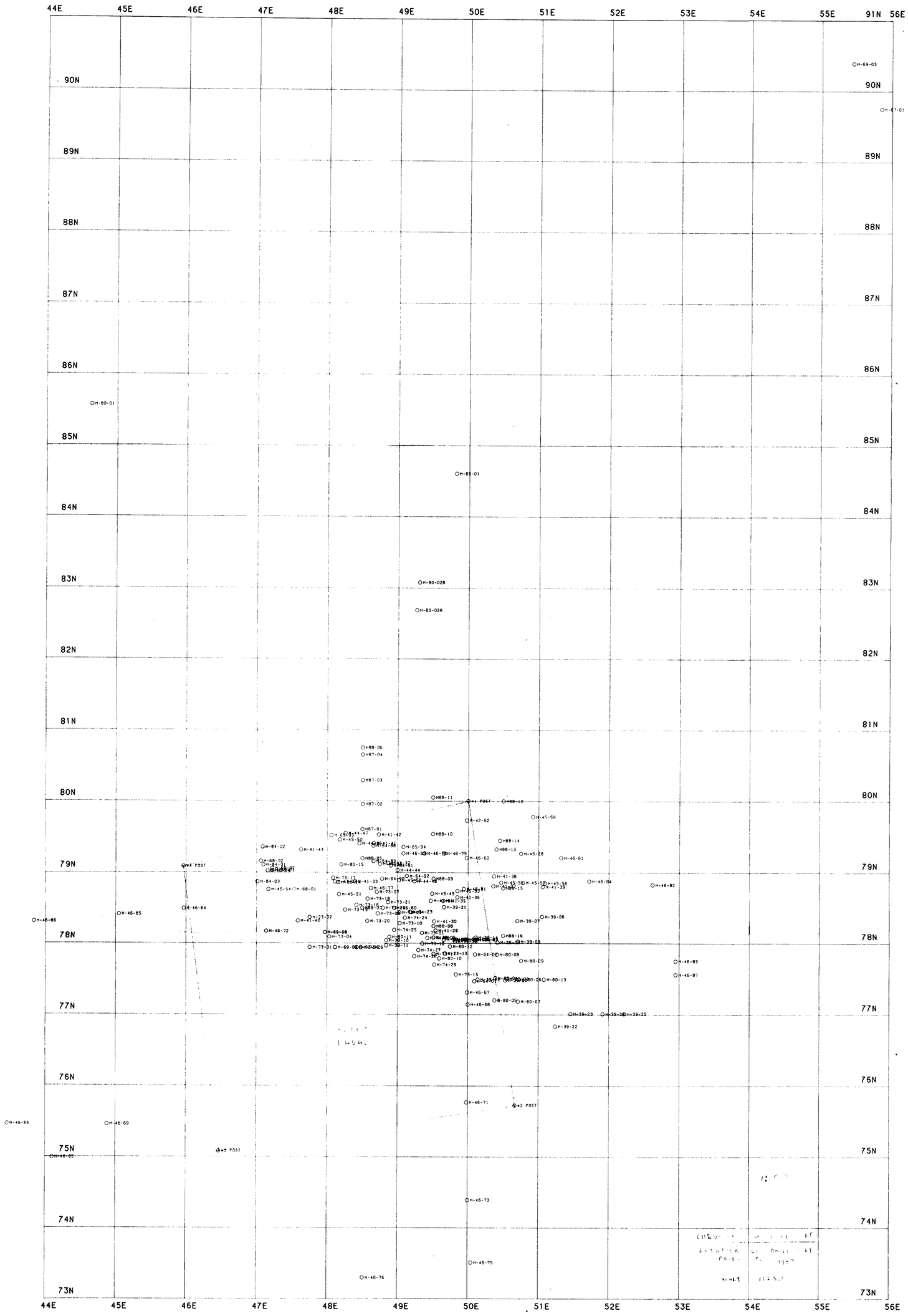

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78+20

78+10

78+00

77+90

77+80

77+70

77+60

77+50

77+40

39.14

38.01
39.13

39.06

39.09

64.02

80.08

64.01

39.12

80.04

80.03

39.20

80.06

5066

5035

5043

5053

5058

5004

5014

50+10

50+20

50+30

P 4040

50+40

P 4039

50+60

50+70

7700N 7800N 7900N 8000N 8100N 8200N

1000EL 1000EL

900EL 900EL

800EL 800EL

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600EL 600EL

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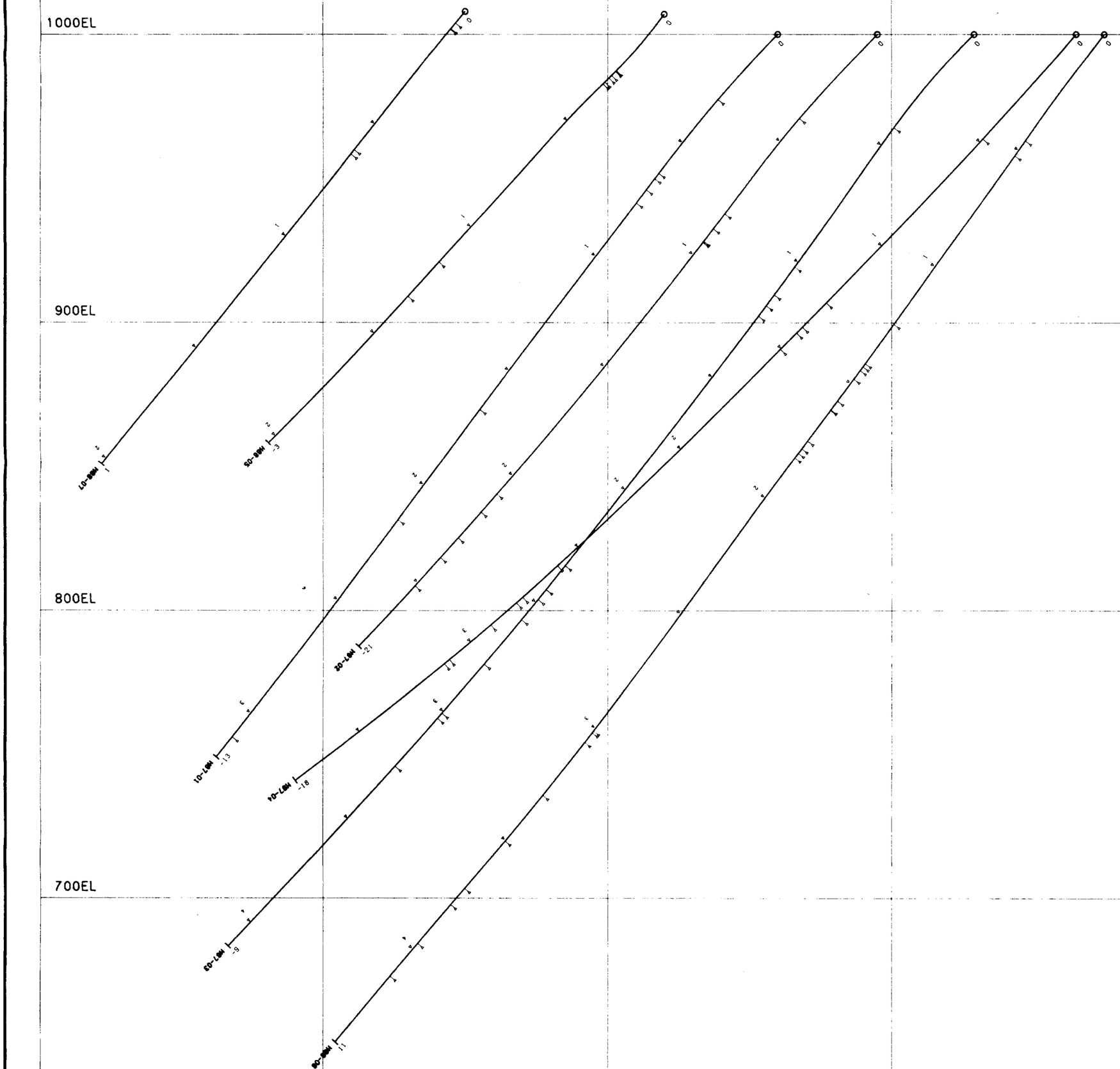

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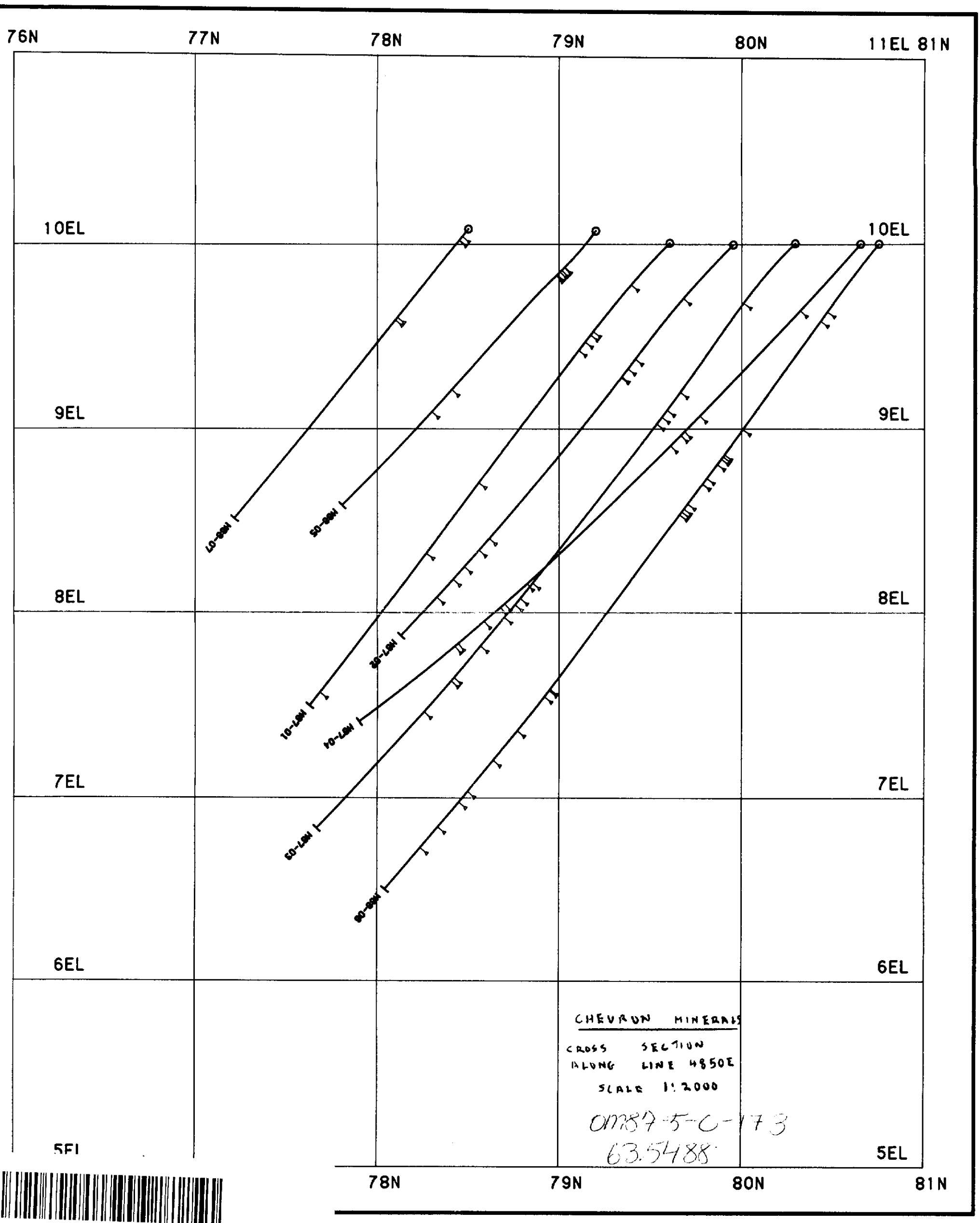
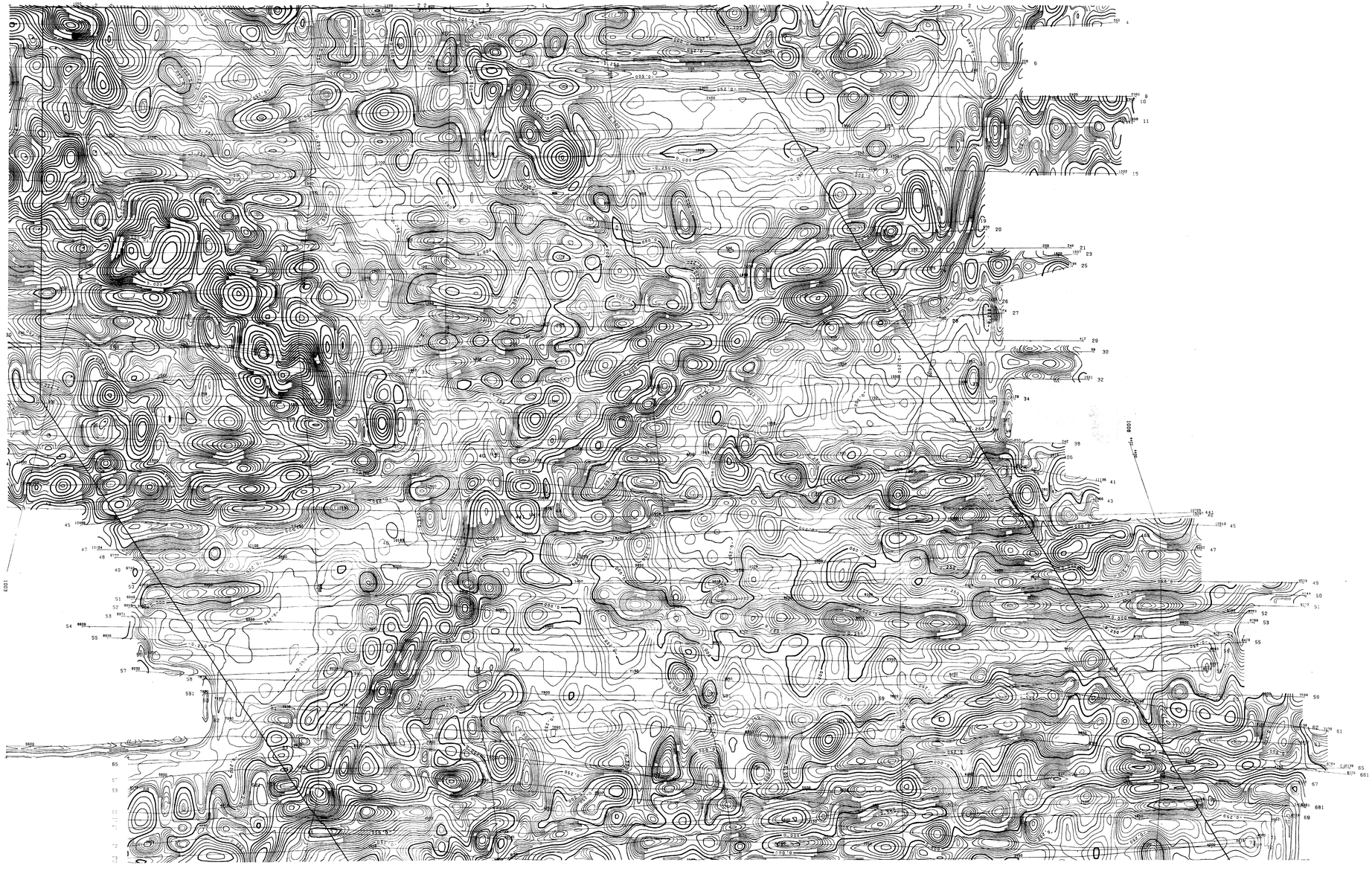




1008
1007
1006
1005
1004
1003
1003
Terrain Clear
Line Spacing
TOTAL MAGN
250 gamn
50 gamn
10 gamn
2 gamn

LEGEND

CENOZOIC

RECENT AND PLEISTOCENE

clay, till, sand and gravel

unconformity

PRECAMBRIAN

- 6 Diabase
- 5 Ultramafic
- 4 Feldspar Porphyry
- 3 Sediments
  - 3 Unsubdivided
  - 3a Conglomerate
  - 3b Arenite
  - 3c Wacke
  - 3d Breccia
- 2 Calc-alkaline Metavolcanics
  - 2 Unsubdivided
  - 2a Massive flow
  - 2b Pillowed flow
  - 2c Variolitic flow
  - 2d Fragmental/hyaloclastite
  - 2e Breccia
  - 2f Sheared
  - 2g Carbonatized
  - 2h Silicified
- 1 Fe-tholeiite Metavolcanics
  - 1 Unsubdivided
  - 1a Massive flow
  - 1b Pillowed flow
  - 1c Variolitic flow
  - 1d Fragmental/hyaloclastite
  - 1e Breccia
  - 1f Sheared
  - 1g Carbonatized
  - 1h Silicified

The letter "G" preceding a rock unit number indicates interpretation from geophysical data in drift covered areas.

SYMBOLS

- Small bedrock outcrop
- Area of bedrock outcrop
- Bedding, top unknown (inclined, vertical)
- Bedding, top (arrow) from grain gradation/cross bedding
- Lava flow, top (arrow) from pillow shape/packing (good, poor)
- Foliation (horizontal, inclined, vertical)
- Schistosity (horizontal, inclined, vertical)
- Lineation with plunge
- Joints (horizontal, inclined, vertical)
- Geological contact (observed, interpreted)
- Calc-alkaline/Fe-tholeiite volcanic contact
- Lineament or fault
- Quartz vein (strike direction)
- Trench (strike direction)
- Diamond drill holes
- Dam
- Bridge
- Electric power transmission line
- Motor road with provincial highway number if applicable
- Trail
- Claim post, observed
- Shaft

SOURCES OF INFORMATION

Government geological map 1957-7, Bristol Twp, Ferguson, S.A. (1959)

Geological mapping for Picadilly Porcupine Mines by Aitcheson, W.E. (1946)

Geological mapping for Utah Mines by Newsome, J.W. (1985)

Diamond drill hole logs by Orpit Mines, Piccadilly Porcupine Mines, Buffadison Exploration, and Noranda.

Airborne magnetic and VLF survey flown for Chevron by Terraquest Ltd. (1987)

Mapping by Stewart Fumerton and Carole St. Louis (1987)

N

0 400

M

Chevron Canada Resources Limited
Minerals Staff

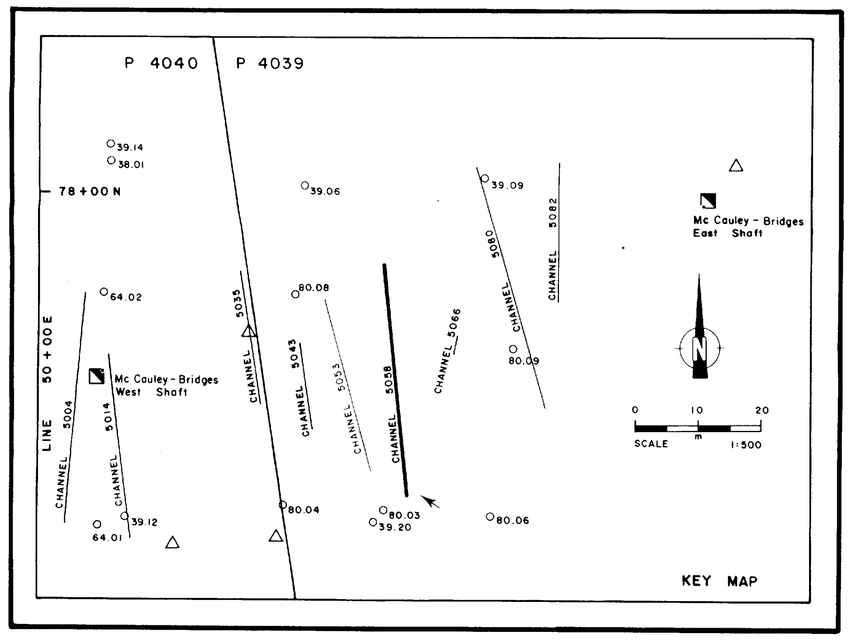
GEOLOGY MAP
INITIAL CLAIM GROUP

FIGURE No.		PROJECT No. M 588	
DATE JAN 1988	REVISIONS		SCALE 1:2500
NTS No. 42 A 6			FILE No.
COMPILED BY			

OM87-5-C-173
63.5488.

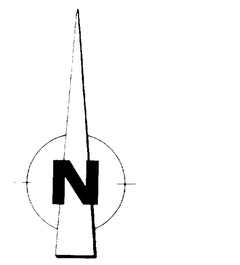
N: 7787.69
E: 5054.68
H: 1012.97

SAMPLE NUMBER
SAMPLE LENGTH
ASSAYS (ppb)



LEGEND

- Veins
- Quartz veins
- Quartz – carbonate veins
- Quartz – feldspar veins
- Quartz – tourmaline veins
- Carbonate alteration zone
- Sharp incline
- Holmer percussion drill hole location
- Holmer channel sample location
- Chevron channel sample location



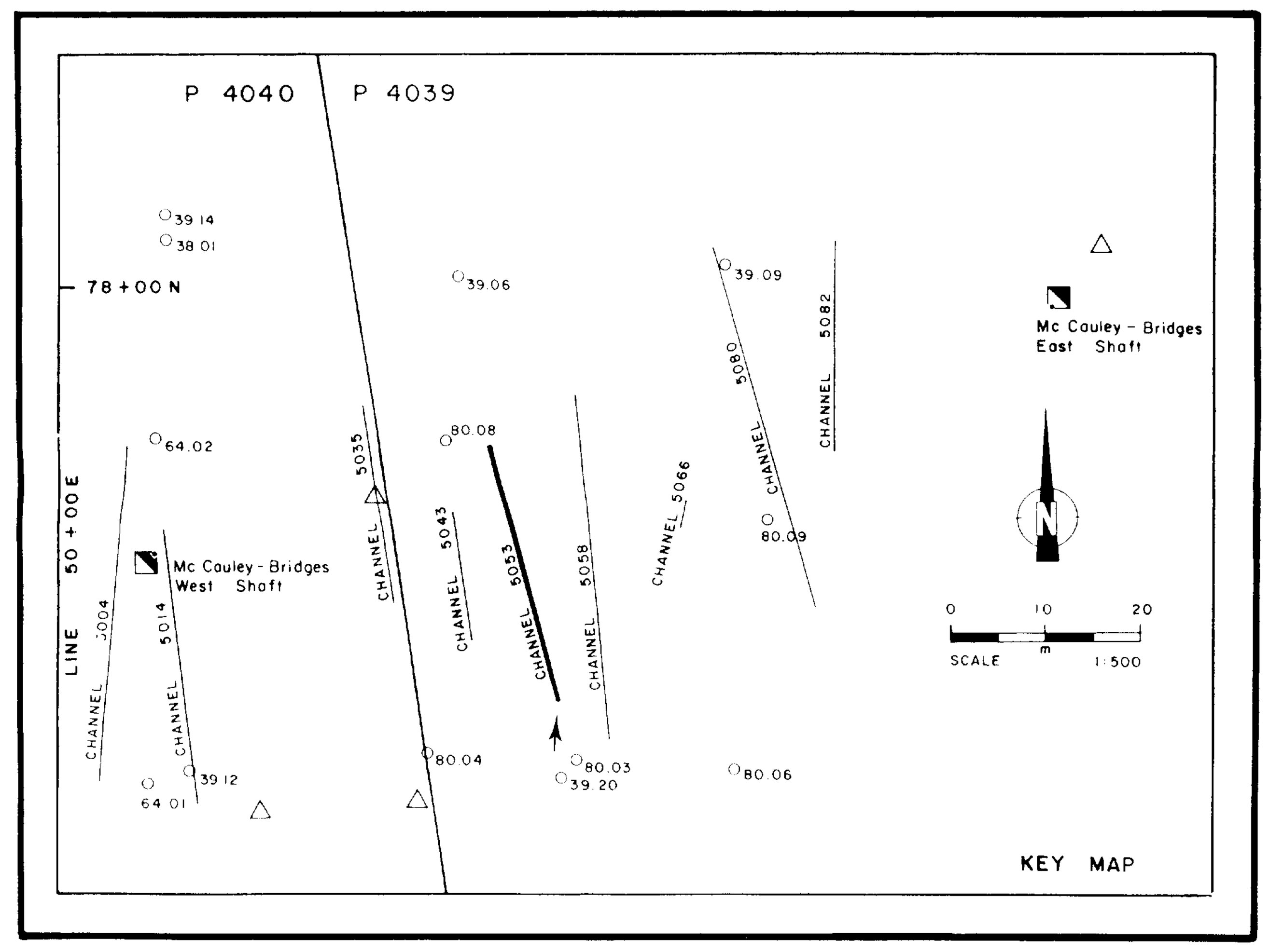
0 1 2
m

SCALE 1:20

Chevron Canada Resources Limited
Minerals Staff

ORIGINAL SHOWING
HOLMER PROJECT
CHANNEL 5058

FIGURE No.		PROJECT No. M 588	
DATE AUG. 1987	REVISIONS		SCALE 1:20
NTS No. 42 A/5, 6			FILE No.
COMPILED BY			



LEGEND

Veins

Quartz veins

Quartz - carbonate veins

Quartz - feldspar veins

Quartz - tourmaline veins

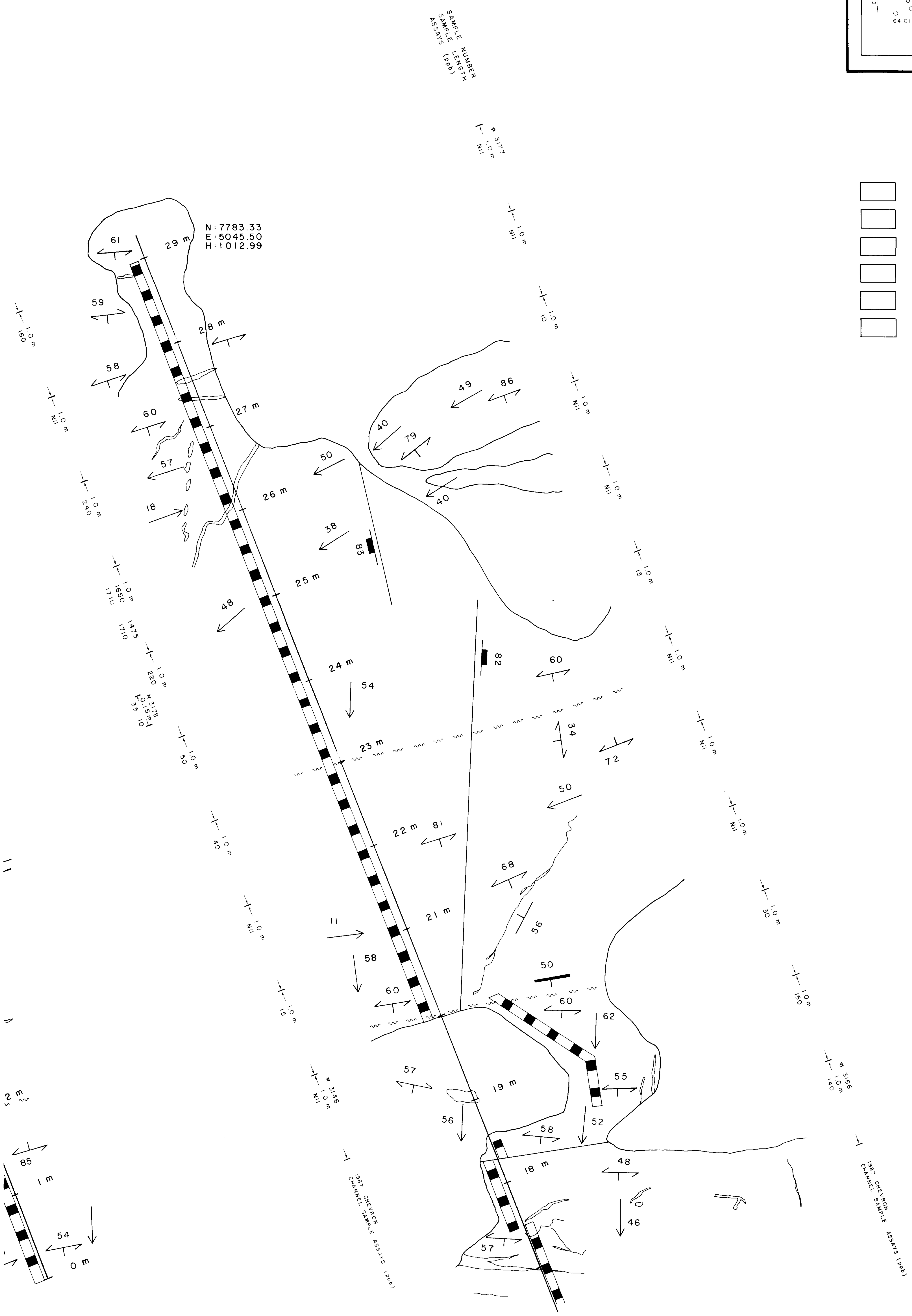
Carbonate alteration zone

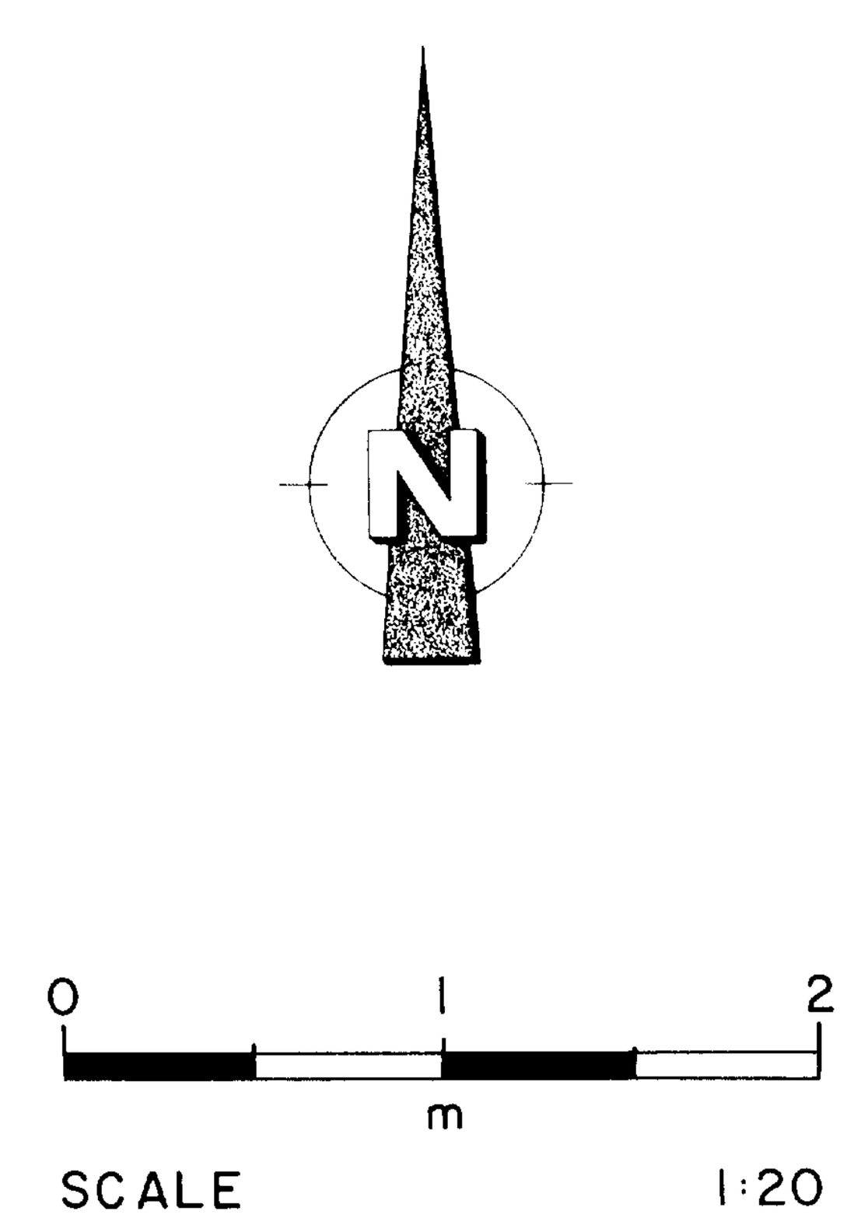
Sharp incline

Holmer percussion drill hole location

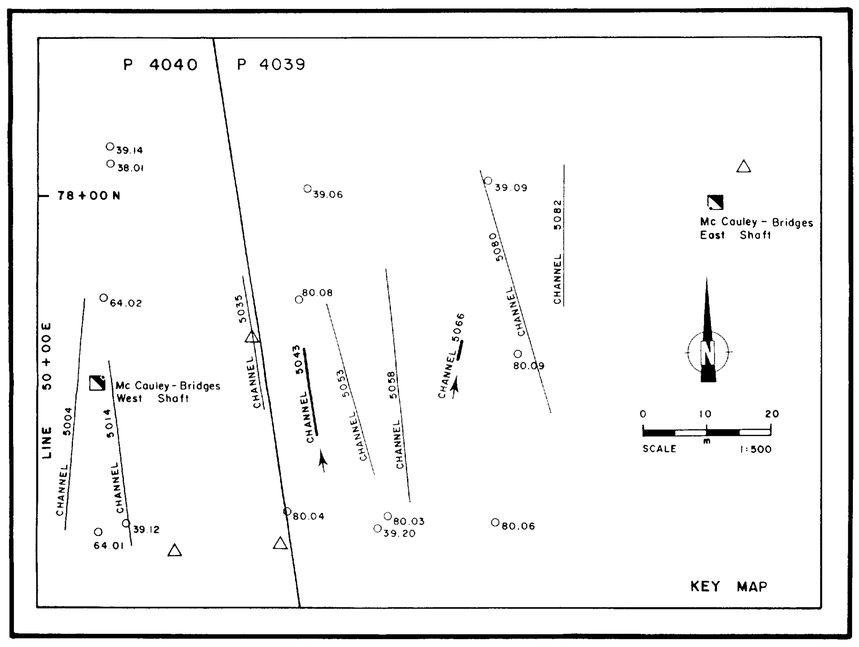
Holmer channel sample location

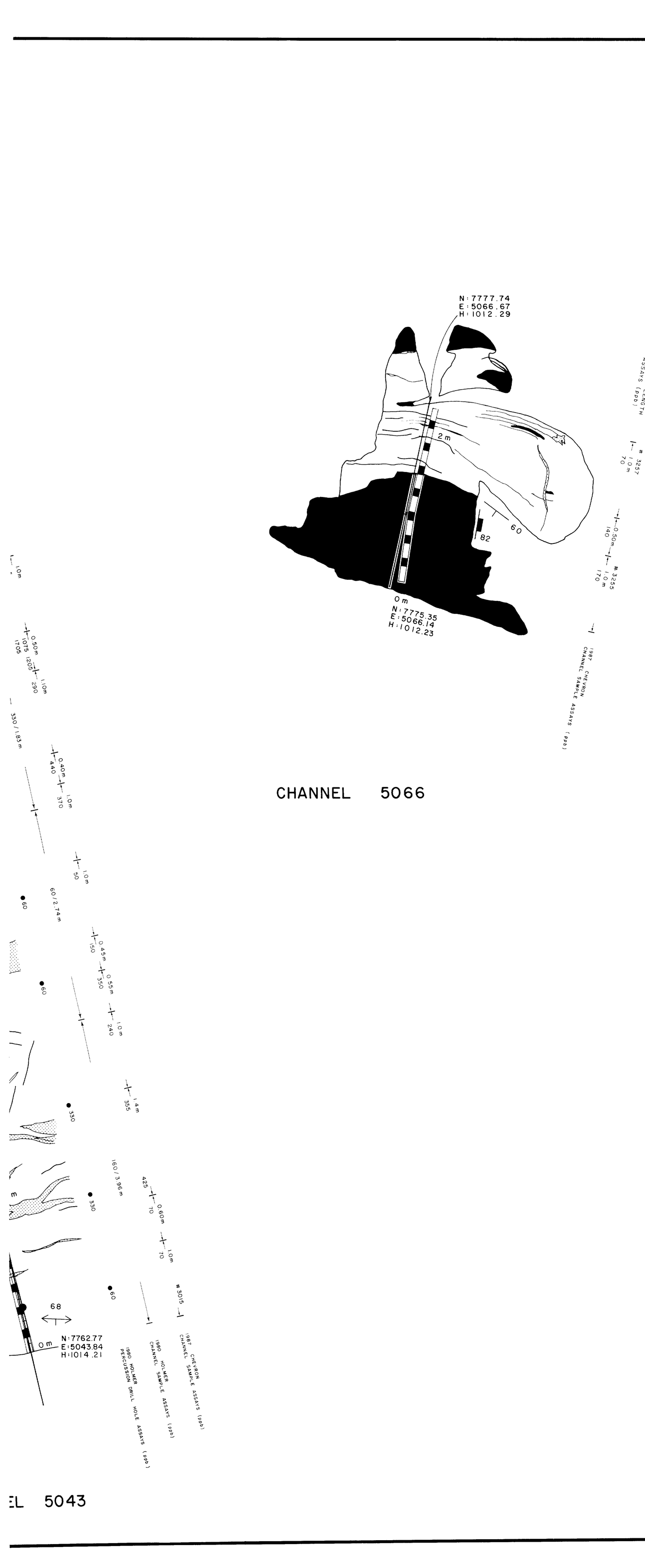
Chevron channel sample location





Chevron Canada Resources Limited Minerals Staff			
ORIGINAL SHOWING HOLMER PROJECT CHANNEL 5053			
FIGURE No.		PROJECT No. M 588	
DATE AUG. 1987	REVISIONS		SCALE 1:20
NTS No. 42A/5,6			FILE No
COMPILED BY			





CHANNEL 5066

CHANNEL 5043

LEGEND

- Veins
- Quartz veins
- Quartz – carbonate veins
- Quartz – feldspar veins
- Quartz – tourmaline veins
- C C — Carbonate alteration zone
- Sharp incline
- Holmer percussion drill hole location
- Holmer channel sample location
- Chevron channel sample location

Note: Channel 5043 is along 1980 Holmer Section 'B'

N

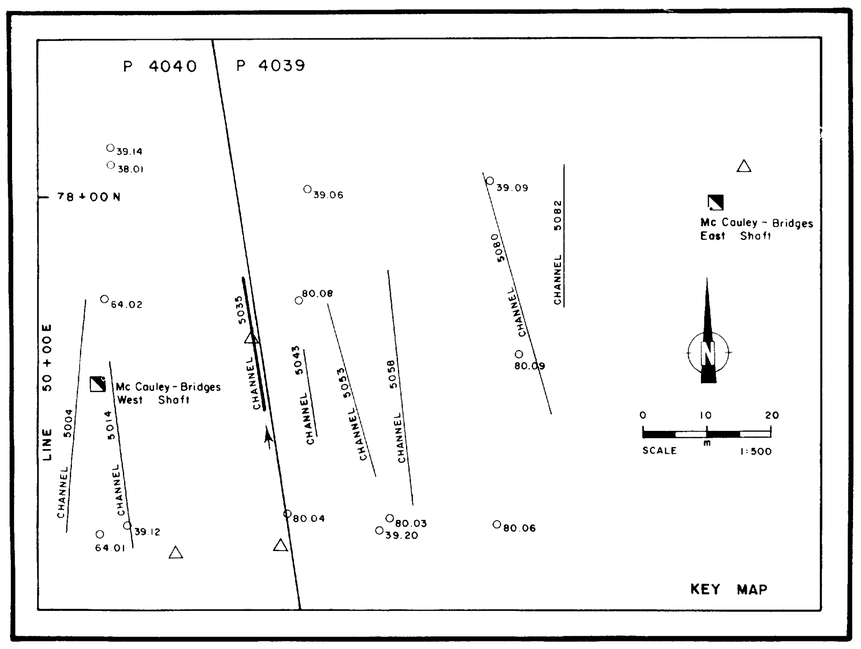
0 1 2
m

Scale 1:20

Chevron Canada Resources Limited
Minerals Staff

ORIGINAL SHOWING
HOLMER PROJECT
CHANNEL 5043

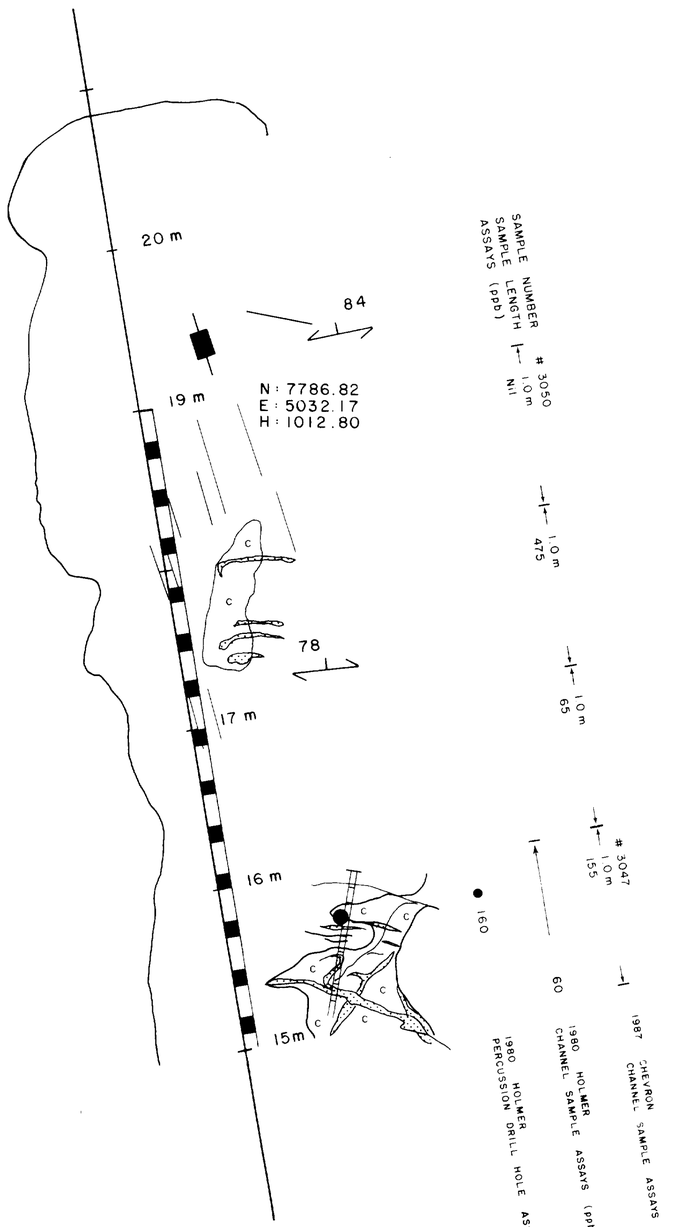
FIGURE No.		PROJECT No. M 588	
DATE AUG 1987	REVISIONS		SCALE
NTS No. 42 A/5,6			FILE No.
COMPILED BY			

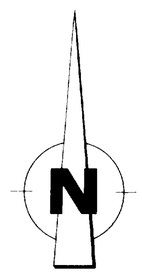


LEGEND

- Veins
- Quartz veins
- Quartz – carbonate veins
- Quartz – feldspar veins
- Quartz – tourmaline veins
- C C — Carbonate alteration zone
- Sharp incline
- Holmer percussion drill hole location
- Holmer channel sample location
- Chevron channel sample location

Note: Channel 5035 is along 1980 Holmer Section 'A'





0 1 2
m

SCALE 1 : 20

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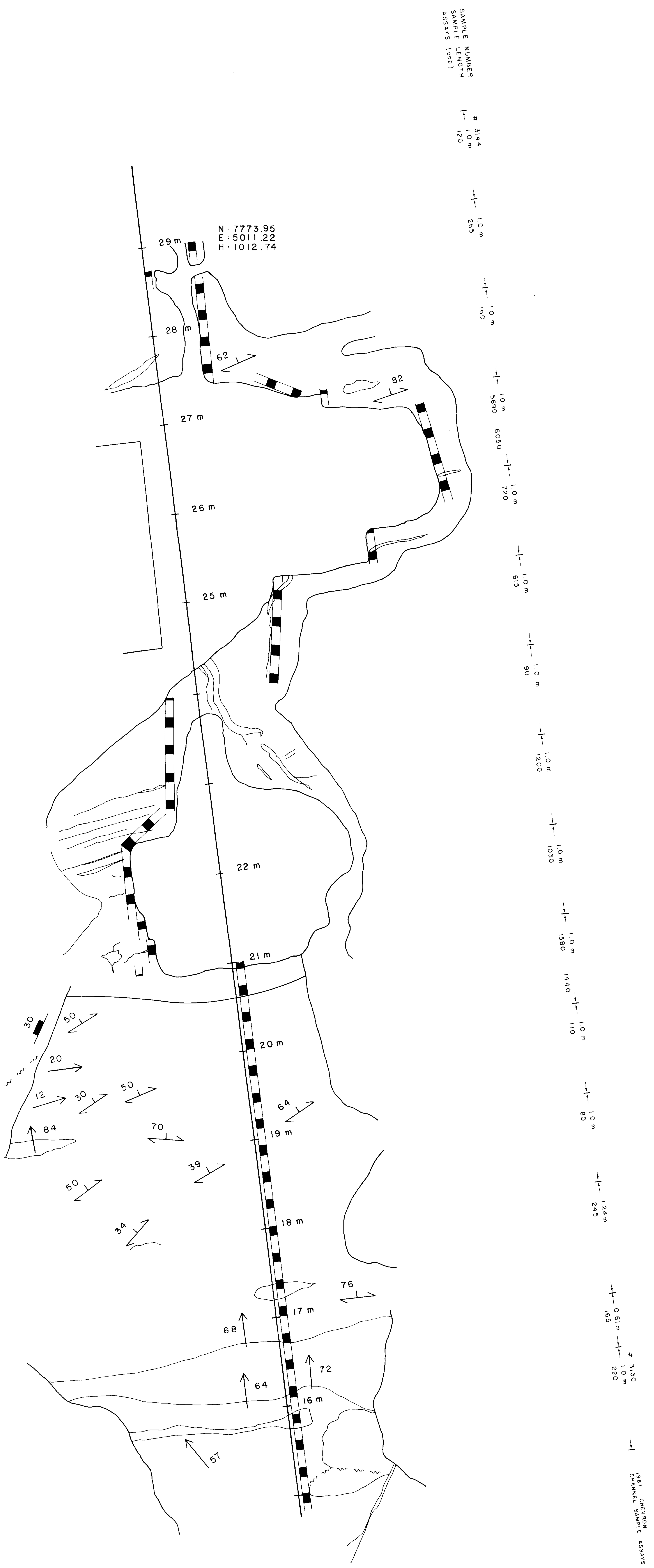
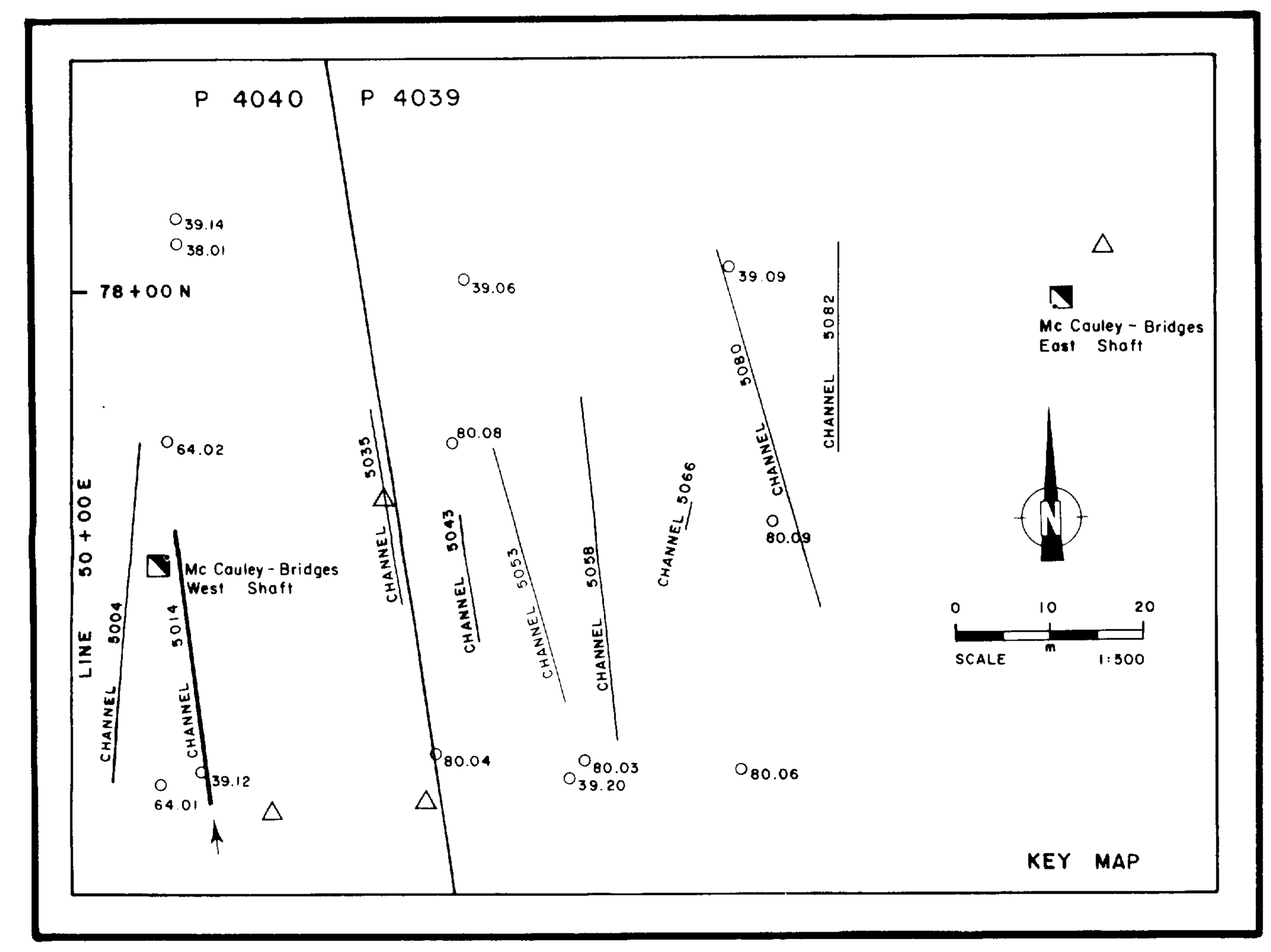
ORIGINAL SHOWING
HOLMER PROJECT
CHANNEL 5035

FIGURE No.		PROJECT No. M 588	
DATE AUG 1987	REVISIONS		SCALE 1 : 20
NTS No. 42 A/5,6			FILE No.
COMPILED BY			





LEGEND

- Veins
- Quartz veins
- Quartz – carbonate veins
- Quartz – feldspar veins
- Quartz – tourmaline veins
- Carbonate alteration zone
- Sharp incline
- Holmer percussion drill hole location
- Holmer channel sample location
- Chevron channel sample location

0 1 2
m

SCALE 1:20

23418K OM87-5-C-173

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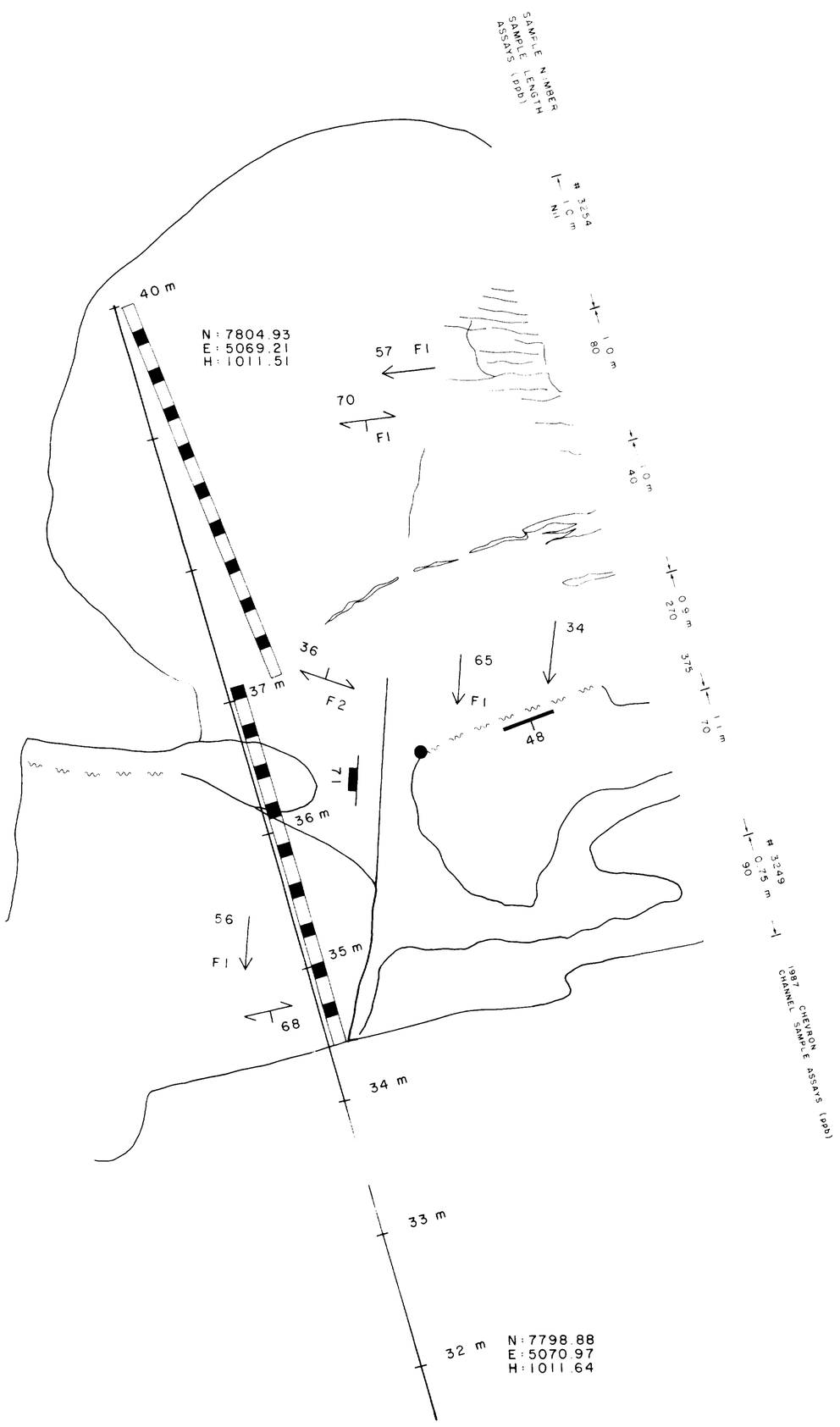
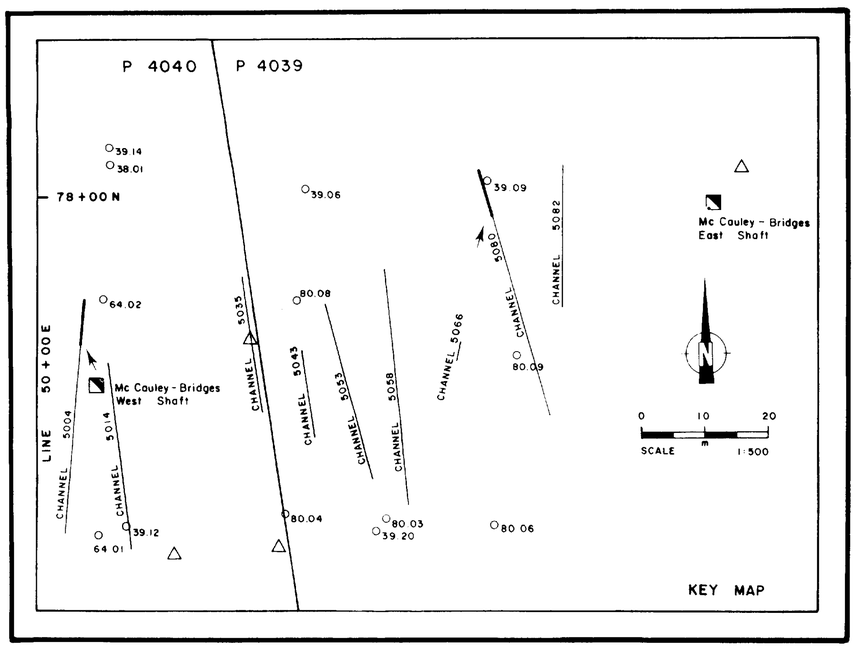
ORIGINAL SHOWING
HOLMER PROJECT
CHANNEL 5014

FIGURE No		PROJECT No. M 588	
DATE AUG. 1987	REVISIONS		SCALE 1:20
NTS No 42A/5,6			FILE No.
COMPILED BY			



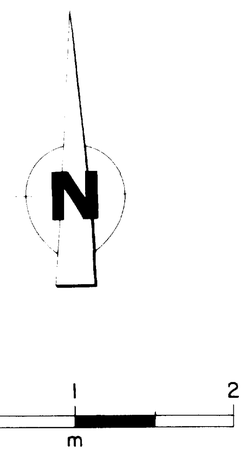
NORTH PART

CHANNEL 5080



LEGEND

- Veins
- Quartz veins
- Quartz – carbonate veins
- Quartz – feldspar veins
- Quartz – tourmaline veins
- Carbonate alteration zone
- Sharp incline
- Holmer percussion drill hole location
- Holmer channel sample location
- Chevron channel sample location



SCALE 1:20

63.5488 OM87-5-C-173

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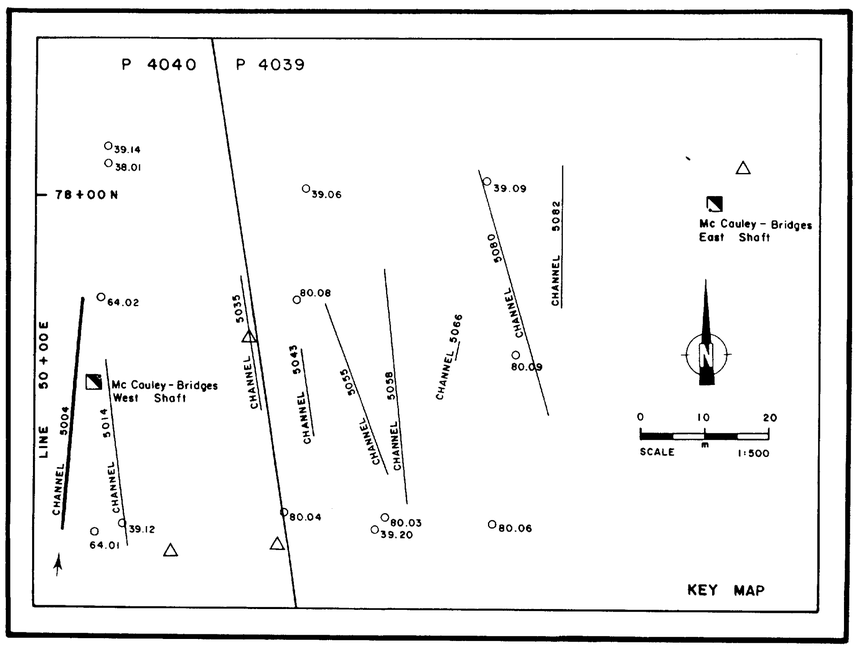
Minerals Staff

ORIGINAL SHOWING
HOLMER PROJECT
NORTH PART CHANNEL 5004 & 5080

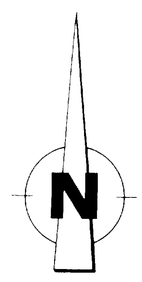
FIGURE No.		PROJECT No. M 588	
DATE AUG 1987	REVISIONS		SCALE 1:20
NTS No 42A/5,6			FILE No.
COMPILED BY			



LEGEND

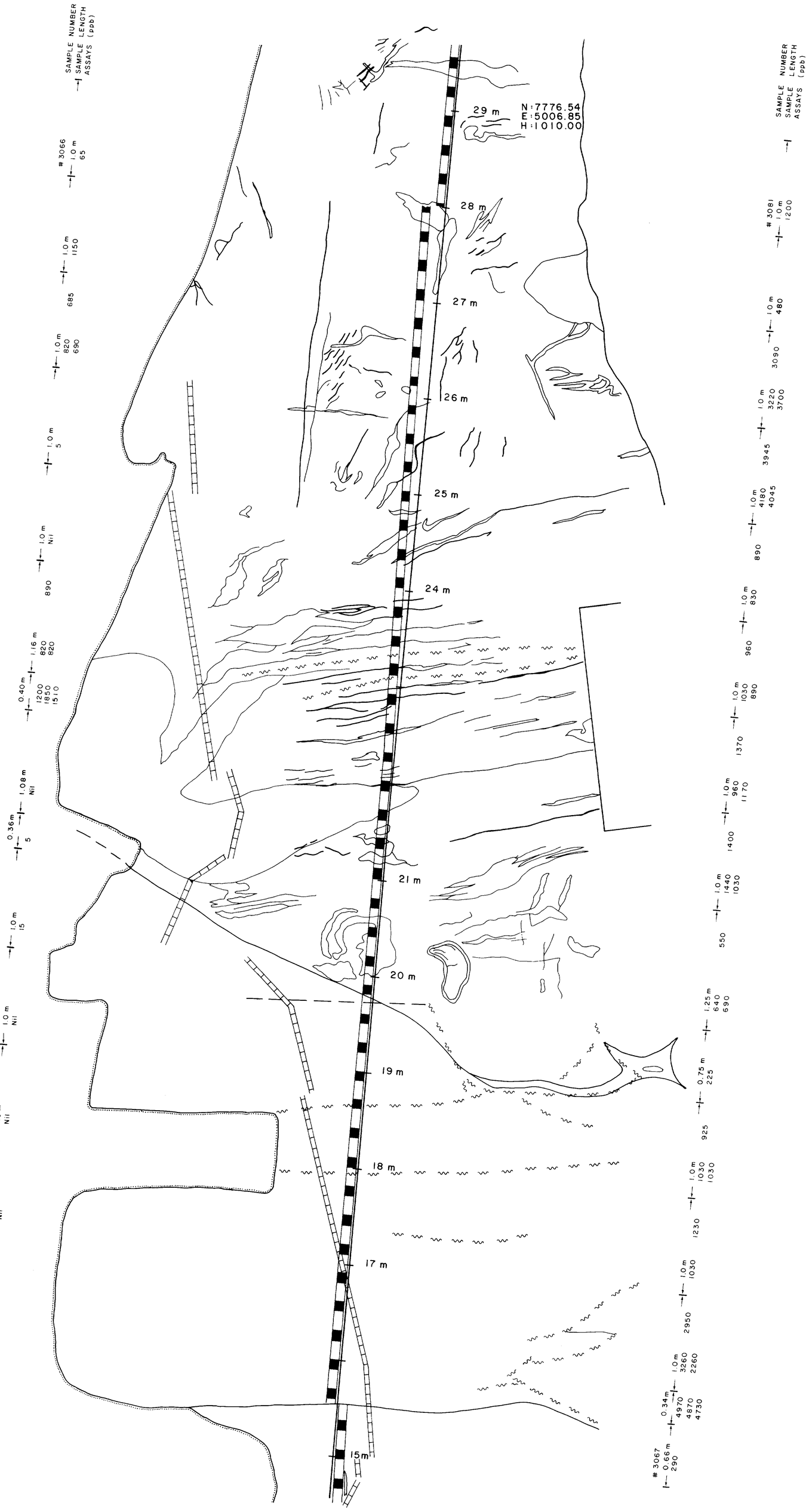
- Veins
- Quartz veins
- Quartz – carbonate veins
- Quartz – feldspar veins
- Quartz – tourmaline veins
- C C — Carbonate alteration zone
- Sharp incline
- Holmer percussion drill hole location
- Holmer channel sample location
- Chevron channel sample location

Note: Channel 5004 is along Holmer Section 'G'



0 1 2
m

Scale 1:20



0087-5-C-173 63548

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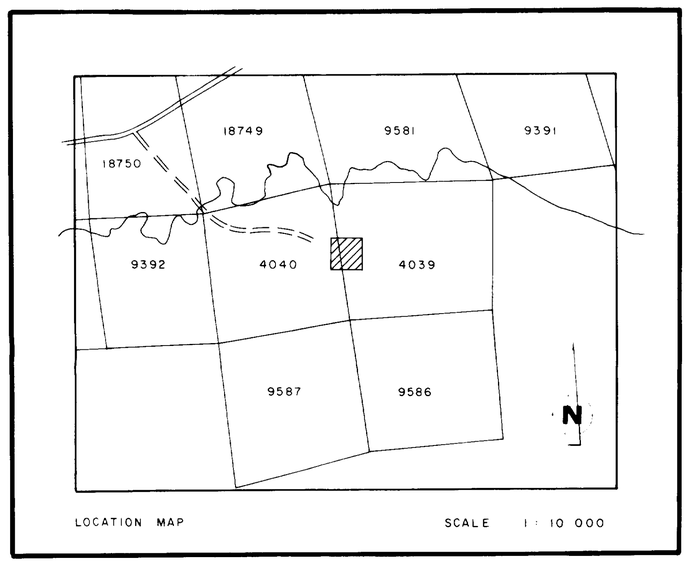
ORIGINAL SHOWING HOLMER PROJECT CHANNEL 5004

FIGURE No.		PROJECT No. M 588	
DATE AUG. 1987	REVISIONS		SCALE 1:20
NTS No. 42A/5,6			FILE No.
COMPILED BY			



39.06

39.09

Mc Cauley - Bridges
East Shaft

80.08

5082

80.09

5069

5080

5043

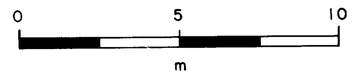
5053

5058

80.03

39.20

80.06



SCALE 1:100

OM87-5-C-173 635488

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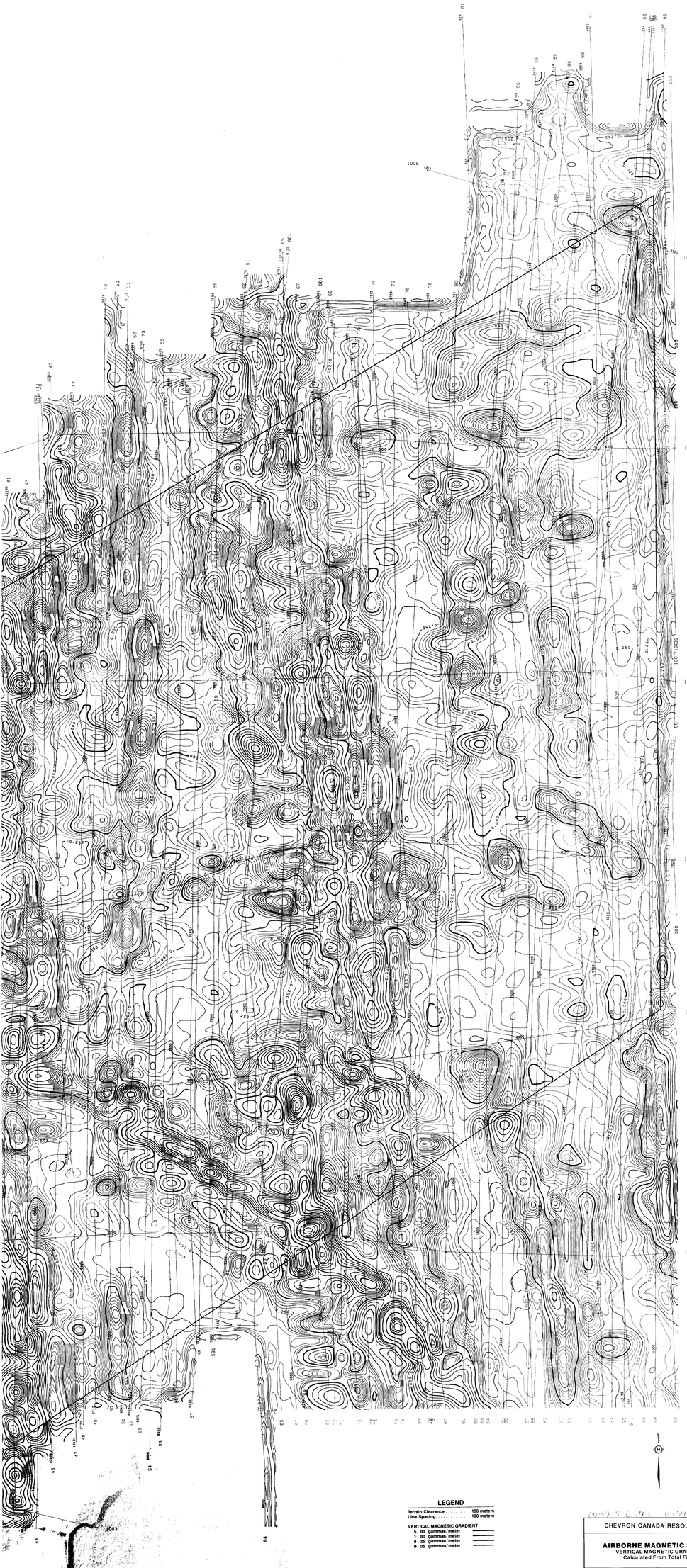
FIGURE No.		PROJECT No. M 588	
DATE AUG., 1987	REVISIONS		SCALE 1:100
NTS No. 42 A/5, 6			FILE No.
COMPILED BY			

P 4039

50+60 50+70 50+80 50+90 51+00



LEGEND

Terrain Clearance	100 meters
Line Spacing	100 meters

VERTICAL MAGNETIC GRADIENT

5.00 gammas/meter	
1.00 gammas/meter	
0.25 gammas/meter	
0.05 gammas/meter	

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AIRBORNE MAGNETIC SURVEY
VERTICAL MAGNETIC GRADIENT
Calculated From Total Field

HOLMER PROJECT
ONTARIO

N.T.S. NO.	42A/SE6	DRAWING NO.	A-716.1N-2
SCALE	1:10,000	DATE	October 1987

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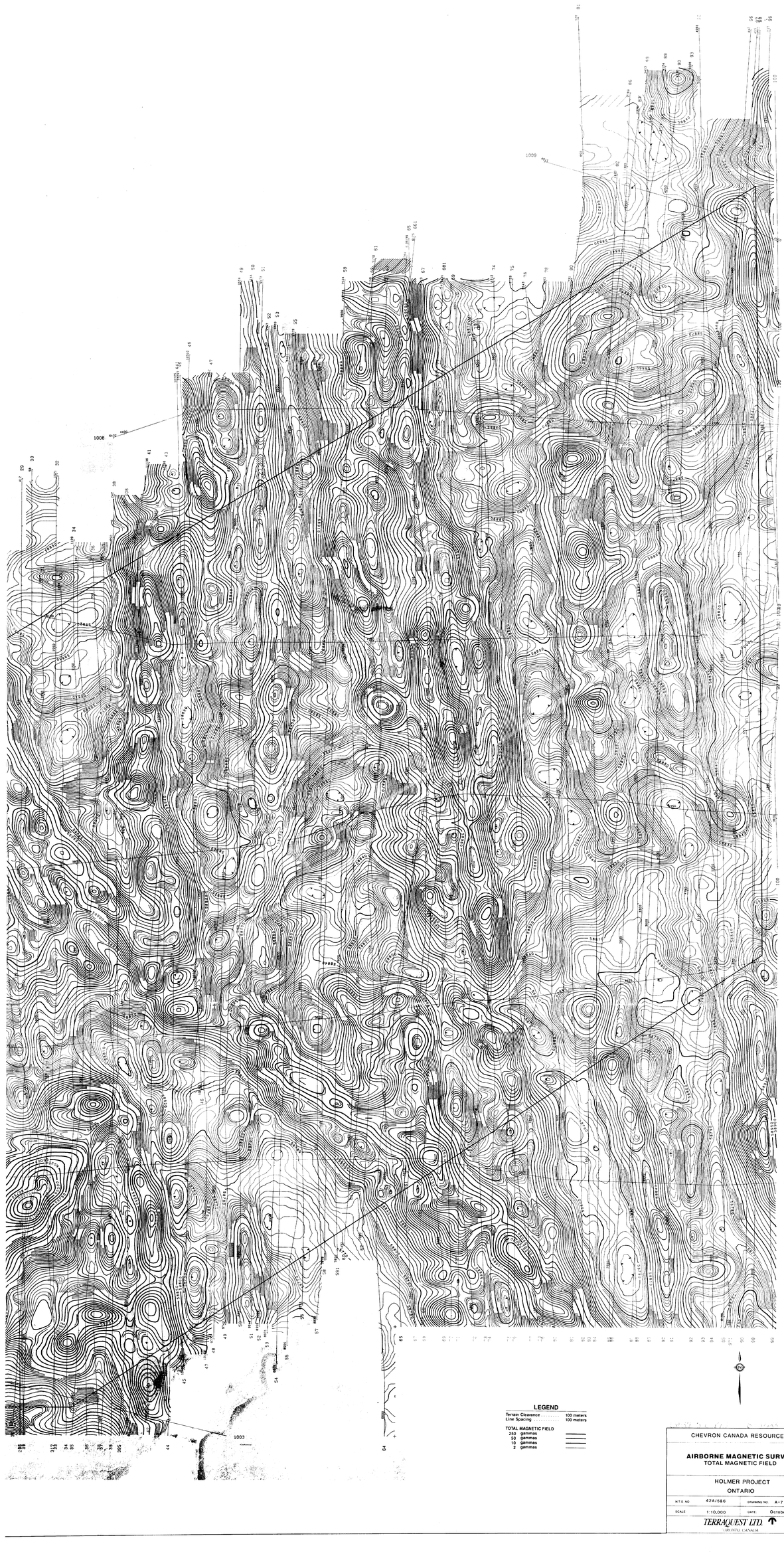
TORONTO CANADA



LEGEND

Terrain Clearance	100 meters
Line Spacing	100 meters

TOTAL MAGNETIC FIELD

250	gammas
50	gammas
10	gammas
2	gammas

CHEVRON CANADA RESOURCES LTD.

AIRBORNE MAGNETIC SURVEY
TOTAL MAGNETIC FIELD

HOLMER PROJECT
ONTARIO

N.T.S. NO.	42A/5&6	DRAWING NO.	A-716.1N-1
SCALE	1:10,000	DATE	October 1987

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