02/85

ASSESSMENT REPORT

GEOLOGY, GRAVITY, EM-37 AND GEOCHEMICAL SOIL SURVEY MEL CLAIM GROUP

CONSISTING OF THE MEL, ERIK, CHARMAINE, EARL AND TOONA CLAIMS

N.T.S. 82G4W

FORT STEELE MINING DIVISION

MOUNT MAHON AREA

COORDINATES: App. 49º08' Longitude

115°55' Latitude

PERIOD: MAY THROUGH AUGUST/1985

OPERATOR: CHEVRON CANADA RESOURCES LIMITED

AUTHORS: L. DEKKER and P. SCHIARIZZA

FILMED

FEBRUARY 1985

GEOLOGICAL BRANCH ASSESSMENT REPORT

14,240

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- III. STATEMENTS OF QUALIFICATIONS CHEVRON PERSONNEL: L. DEKKER AND A. P. SCHIARIZZA
- IV. APPLICATION OF ASSESSMENT WORK CREDITS
- V. GEOCHEMICAL SOIL DATA

IN POCKETS

- I. GRAVITY REPORT by Ager, Berretta & Ellis
- II. EM-37 REPORT by Earth Technology Corporation





1. INTRODUCTION

The MEL claim group consists of 77 units and is located directly ENE of Mount Mahon summit in the Purcell Mountains in southwestern B.C. (Fig. 1). The small town of Yahk is situated 9 km WSW of the claims. All claims were recorded on March 5, 1984. This claim group forms the northern extension of a group of claims optioned by Chevron in August 1983 from St. Eugene Mining Corporation Ltd. and Falconbridge Corporation. Bounding the MEL group to the south these are, from west to east, the TOURM, the YAHK and ALDER claims.

The optioned claims are underlain by metasediments of the Proterozoic Middle Aldridge Formation and were optioned to explore the possibility for Sullivantype mineralization. The MEL Group was staked to ensure that a gravity anomaly detected at the NE end of the optioned block was sufficiently protected until its significance could be assessed in the 1984 field season. It was also believed that the Lower/Middle Aldridge contact, the Sullivan Time Horizon, existed at a reasonable depth.

This report will describe the work carried out on the MEL group in the course of the 1984 field season. To obtain an overall, integrated picture of the area, however, the reader should refer to the 1984 Assessment Report on the Mahon Claim Group as well. The locations of the gravity, EM-37 and the 1984 grid with respect to the 1983 work and the claim group are shown on Figure 2. As the surveys fall in part outside the claim group, the exploration expenditures incurred are only partially claimed as assessment work credits.



2. LOCATION AND ACCESS

The MEL property can be reached via the town of Yahk situated on paved Highway #3. Access is via Hawkins Creek forestry road, which branches off at the north end of town, and parallels Hawkins Creek which flows in an east-west direction. The Cold Creek logging road turns off to the north at km 12 and follows the N-S trending Cold Creek Valley. This road cuts through the centre of the claim group approximately 6 km from the Hawkins Creek turn off. Various old logging roads branch off from Cold Creek road, some of which are accessible with a 4 x 4.

The topography varies from 4200' in the Cold Creek Valley to 5800' at the western claim boundary, the northern extension of Mount Mahon ridge. The topography is fairly gentle the claims being located on the shallow dipping northeastern slopes of Mount Mahon.

Vegetation is variable: from older logged off areas, swampy in part, to areas of dense buck brush and alder, to slopes covered with immature stands of fir and spruce covering areas logged off in the distant past as evidenced by many, old, slippery logs and a myriad of overgrown logging roads.

· 3. CLAIMS

The MEL Claim Group (Fig. 3) consists of the following claims:

CLAIM NAME	RECORD NO.	UNITS	DATE RECORDED	HECTARES	EXPIRY DATE
TOONA CHARMAINE ERIK EARL MEL	2127 2128 2129 2130 2131	16 20 9 20 12	1984/03/05 1984/03/05 1984/03/05 1984/03/05 1984/03/05	400.0 500.0 225.0 500.0 300.0	1985/03/05 1985/03/05 1985/03/05 1985/03/05 1985/03/05
	τοται	 77 units	2		

a2/23/2

These claims were staked and recorded by Chevron Minerals Ltd., 500 – 5th Ave SW, Calgary, Alberta

4. GEOLOGY

The Claim Block is underlain by Helikian metasediments and dioritic intrusive rocks assigned to the Middle Aldridge Formation and Moyie Intrusions respectively. Geological work consisted of geological mapping, at a scale of 1:5,000, and prospecting along the grid and claim lines.

Outcrops within the claim block are scarce; Middle Aldridge metasediments are exposed at the south end of a ridge within the MEL and ERIK claims and in a few small exposures elsewhere, while an underlying diorite sill is represented by a number of small exposures in the southern portion of the ERIK claim (Figs. 5 and 6, in pockets). These rocks dip gently to the northeast and are stratigraphically located above Middle Aldridge metasediments exposed in the vicinity of Mount Mahon summit to the southwest on the Tourm Claim (Fig. 3). A single exposure of east dipping metasediments in the southern portion of the CHARMAINE claim, east of Cold Creek, probably occurs within a separate fault block separated from other rocks in the claim group by a fault within the Cold Creek Vailey.

The metasedimentary rocks within the Claim Block are similar to Middle Aldridge rocks exposed elsewhere in the area and consist mainly of sandstone with minor amounts of siltstone and argillite. They have been metamorphosed under upper greenschist facies conditions and are characterized by a quartz-muscovite-biotite ± garnet assemblage. Their primary sedimentary characteristics are, however, very well preserved. The sandstones are fine to

very fine grained. They are light to medium grey on fresh surface and generally weather light grey; weathered surfaces may, however, be medium to dark grey, brownish grey, or rusty. They are predominantly composed of quartz (70-85%) along with biotite, muscovite and occasionally garnets. Beds range from a few centimeters to 80 cm in thickness. They are generally massive but may have graded tops and pass upwards into 1 to 6 cm thick intervals of medium to dark grey argillite. These argillite tops often display a weakly to moderately well developed slaty cleavage and may contain light grey feldspar porphyroblasts. The graded sandstone/argillite beds probably represent A-E turbidites of the Bouma (1962) turbidite sequence. Dark grey to rusty weathering, medium to dark grey slaty siltstone occurs as thinly bedded and/or laminated intervals within the sandstone at a few localities, and dominates intervals several meters in thickness. One exposure included several centimeters of light grey, crosslaminated siltstone in thin beds alternating with medium greenish-grey slaty argillite.

Tourmalinite, a dark grey, very hard and fine grained "cherty" rock consisting largely of very fine felted tourmaline needles, occurs as float at one locality within the west-central portion of the ERIK claim where it is associated (also as float) with typical Middle Aldridge sandstone and siltstone (Fig. 6). It is not certain if this occurrence is indicative of tourmalinite bedrock at this locality, or whether the tourmalinite was derived from near Mount Mahon summit, 2 km to the south, where it is well exposed.

Dioritic rocks, occurring as several small exposures in the southern part of the ERIK claim, appear to represent a sill, close to 200 m thick, which underlies the metasediments within the claim block. These rocks are medium to dark grey or greenish-grey, medium to coarse grained, and comprised of approximately equal proportions of equigranular dark greenish-grey, mafic and lighter grey feldspar (with minor quartz) grains. The mafic grains appear to consist mainly of hornblende which is partially altered to chlorite and actinolite.

The rocks within most of the claim block dip at shallow angles to the northeast and are cut by a somewhat steeper, more easterly dipping slaty cleavage. These attitudes are similar to those in exposures to the south near Mount Mahon summit, and probably reflect a structural position close to the hinge zone of the NNE plunging Moyie Anticline. These rocks appear to be separated from persistently east dipping strata to the east of Cold Creek (represented by only a single outcrop within the Claim Group) by a steep NNE trending fault occupying Cold Creek valley. A minor fault with a similar orientation is inferred to mark an abrupt change from NNE to more easterly dips within strata exposed in the western portion of the block, and a steep NNW trending fault appears to cause approximately 200 m of apparent right lateral offset on the metasediment/sill contact in the southern portion of the Claim Block (Fig. 6).

5. GRAVITY SURVEY

The 1984 gravity survey was carried out between July 7 and July 12 by Ager, Berretta and Ellis. Their detailed report is attached to this assessment report. The purpose of the survey was to investigate the potential for stratiform massive sulphides and to further delineate and close off an open gravity anomaly that was found at the NE corner of the 1983 grid. The data of the 1983 and 1984 surveys were interpreted and compiled in a single map sheet (see Map in Gravity Report in pocket). The 1984 station interval was 100 meters on lines 400 meters apart (as opposed to 200 meters in 1983). The gravity "high" was found to trend across the area from line 8+00N station 800E to line 26+00N station 400W, with the "high" maximizing at line 18+00N. The one milligal anomaly parallels the regional geological trend and corresponds roughly with a few scattered gabbro outcrops. The most likely explanation, therefore, is that the gravity anomaly reflects the presence of a gabbroic sill, rather than mineralization at depth.

6. GEOCHEMICAL SOIL SURVEY

264 soil samples were collected on the 1984 grid extension. These were collected on lines 400 m apart at 50 m station intervals. The gridded area is largely covered by drift and the results must be interpreted in this light. The samples were collected from the "B" horizon which occurs down to a depth of 25 cm. The samples were put in conventional paper bags, dried in the field at room temperatures and subsequently shipped to Chemex Labs Ltd. in North Vancouver for analysis with conventional techniques.

The soil samples were analyzed for Pb, Zn and Cu. The sample population was integrated with the contiguous population to the south consisting of 828 samples collected on the 1983 grid.

Mean values and threshold values did not change significantly and are as follows for the total population of 1092 samples:

	MEAN	MINIMUM	MAXIMUM	<u>S.D.</u>
РЬ	12.6 (13)	2.0 (3)	95.0 (85)	7.1 (7)
Zn	91.9 (96)	28.0 (28)	505.0 (505)	41.2 (44.7)
Cu	26.9 (26)	6.0 (9)	146 (100)	12.4 (11)

All numbers are in ppm. 1983 numbers in brackets.

The combined 1983 + 1984 data are plotted on the 1:5,000 scale grid map (Fig. 4, in pocket). For the following reasons the 1984 data were purposely <u>not</u> contoured:

Several spotty small Pb and Zn anomalies of limited extent do exist. Given these small anomalies, the wide (400 m) line spacing precludes reasonable and confident extrapolation from line to line and contouring therefore is unwarranted. The lack of significant Pb and Zn anomalies could be a reflection of the thick overburden cover. The newly gridded area is slightly more anomalous in Cu, possibly reflecting the gabbroic sills outcropping and subcropping near surface.

7. <u>EM-37 SURVEY</u>

The EM-37 survey was conducted by Mark Blohm of the Earth Technology Corporation of Golden, Colorado, using EM-37 equipment owned by Geo-physi-con of Calgary. A complete report of the survey is attached and, therefore, the results are only briefly summarized here. The coverage extended north and east from DDH YA-6 over the positive gravity anomaly discussed in Chapter 5. Coverage was obtained over eight lines 1600 metres long and 400 meters apart from three transmitting loops. A theoretical target with dimensions of 600 x 600 meters and a conductivity width parameter of about 30 mhos was postulated. From computer modelling the effective depth of detection for such an ore body is roughly 600 m under the loop and roughly 400 m outside. Data quality is good and the data indicates that practically all of the observed response is non-anomalous half space response. A very shallow response exists at about 75E on line 2S which could be a reflection of some minor vein-type sulphide mineralization. No drill targets within reasonable depth are apparent from the EM survey.

8. CONCLUSIONS

The results of the gravity and EM-37 surveys show that the existence of near surface Sullivan-type mineralization of reasonable size in the target area is unlikely. This conclusion does not preclude this possibility at greater depth or outside the EM-37 survey area. As the Sullivan Time Horizon is projected to dip off shallow to the north and east, exploration should be directed into these areas. Exploration for this type of "blind" target will require considerable skill and the combined use of geological, geophysical and geochemical exploration

methods.



L. Dekker FMC #274542 February 1985

APPENDIX I

EXHIBIT "A"

EXPENDITURE STATEMENT

The work carried out on the claim group during 1984 consisted of:

PERIOD June I - June 19, 1984:

1)	Line cutting (1984 grid) 13.2 km at \$475/km, hand cut NE extension of 1983 grid, 400 m line spacing	\$ 6,270.00
PER	IOD June 20 - 23, 1984:	
2)	Soil Sampling on 1984 grid at \$300/day	1,200.00
	Survey Transit Rental	130.00
	264 soil samples, analyzed for Cu, Pb, Zn Results integrated with 1983 survey	1,233.00
PER	10D July 7 - July 12, 1984:	
3)	Gravity survey on 1984 grid Results integrated with 1983 survey	8,958.00
PER	IOD August 24 - August 31, 1984:	
4)	EM-37 Survey	15,804.03
PER	IOD JULY/AUGUST 1984	

5) Geological mapping, prospecting, crew supervision

Name	Position	Period	Days	Amount	•		
L. Dekker	Sr. Geologist	July/August/84	12 at \$250/day	3,000.			
A.P.Schiarizza	2,480.	5,480.00					
OTHER EXPENS	ES:	`			-		
Travel (incl. 4 x 4 truck, gas, etc.) 16 days at \$32/day512.00Food and Lodging 28 days at \$60/day1,680.00Equipment1,385.22Report preparation (incl. drafting)1,250.00							
			T	OTAL	<u>\$43,902.25</u>		

NOTE: As this work was partially carried out outside the claim block only a portion of the expenditure, i.e. \$23,100. is claimed as assessment work credits.

02/13/85

APPENDIX II

IN THE MATTER OF THE

B. C. MINERAL ACT

AND

THE MINERAL EXPLORATION PROGRAM

ON THE MEL CLAIM GROUP

MOUNT MAHON AREA, S.E. BRITISH COLUMBIA

in the FORT STEELE MINING DIVISION of the

PROVINCE OF BRITISH COLUMBIA

N.T.S 82G4W

AFFIDAVIT

I, Larry Dekker, residing in the City of Vancouver, in the Province of British Columbia, make Oath and say

- a) That I am employed as a Senior Exploration Geologist by Chevron Canada Resources Limited, Mineral Staff and that I have personal knowledge of the facts of which I hereinafter depose.
- b) That the annexed hereto Exhibit marked "A" is a true statement of exploration expenditures incurred on the MEL Mineral Claim Group.
- c) That the said expenditures were incurred between June 1st and August 31, 1984 for the purpose of mineral exploration on the MEL Claim Group.

L. Dekker Sr. Geologist

APPENDIX III

CHEVRON PERSONNEL EMPLOYED ON THE MEL CLAIM GROUP

Larry Dekker, Senior Exploration Geologist, 850 Cardero Street, Vancouver, B. C. V6G 2G5

Phone: 604-669-2367

A. Paul Schiarizza, Geologist, c/o B.C. Ministry of Energy, Mines and Resources, Geological Branch, Mineral Resources Division, Parliament Buildings, Victoria, B. C. V8V 1X4

STATEMENT OF QUALIFICATIONS

I, Larry Dekker, have worked as a geologist since graduation from the University of Amsterdam, the Netherlands, with a B.Sc. Degree in Geology (1965) and a M.Sc. Degree in Stratigraphy and Sedimentology (1969).

I am a licensee (P.Eng.) of the Association of Professional Engineers, Geologist and Geophysicists of the Province of Alberta, a Fellow of the Geological Association of Canada, a member of the American Association of Petroleum Geologists and a member of the Canadian Society of Petroleum Geologists.

I am currently employed as a senior geologist by Chevron Canada Resources Limited, 1900 – 1055 West Hastings St., Vancouver, B. C. V6E 2E9 and have been with this company for 16 years.

The exploration program on the MEL Claim Group was performed under my direction and supervision.

STATEMENT OF QUALIFICATIONS A. PAUL SCHIARIZZA

A. Paul Schiarizza holds a B.Sc. (honours) Degree in Geology (1975) from Queen's University, Kingston, Ontario.

He has been employed as a research assistant at Queen's University (1976 and 1977), by Cominco (1978) and as a senior field assistant to Dr. V. A. Preto of the B.C. Ministry of Energy, Mines and Petroleum Resources (1978, 1979 and 1983). During the 1983 and 1984 field seasons he worked as a senior field assistant for Chevron Canada Resources, Minerals Staff, 1900 -1055 West Hastings Street, Vancouver, B. C., V6E 2E9.

APPENDIX IV

ASSESSMENT WORK CREDITS TO BE APPLIED AS FOLLOWS:

<u>Claim Name</u>	Record No.	<u>Units</u>	Expiry Date	Assessment Cr. Applied	New Expiry Date
MEL	2131	. 12	1985/03/05	3 yrs/\$3,600.	1988/03/05
ERIK	2129	9	"	3 yrs/\$2,700.	tt
CHARMAINE	2128	20		3 yrs/\$6,000.	11
EARL	2130	20		3 yrs/\$6,000.	11
TOONA	2127	16	11	3_yrs/\$4,800.	
TOTAL ASS	ESSMENT WO	RK CRE		\$23,100.	

TOTAL EXPENDITURE	\$43,902.25
APPLIED ASSESSMENT WORK CREDITS	\$23.100.00
BALANCE	<u>\$20,802.25</u>

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3800N /BL	22	10	73						•
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	1999N 1998	70	19	160	****	+ 2 std dev.	**	+ i chri riav	·•	· 1 500 0EV,
	100000 10505	23	7	70		· L 500 0244	••	· 1 204 004.		
	1800N 1100E	25	a	53						
	1800N 1150E	35	10	59						
	1800N 1200E	28	8	48					**	- 1 std dev.
	1890N 1258E	25	10	55						- 196 6678
	1800N 1300E	25	â	63						
	1899N 1359E	3	9	55					**	- † stri dev.
	1800N 1400E	25	9	78						
	1800N 1450E	35	13	67						
	1800N 1500E	38	11	80						
	1800N 1550E	34	19	72				;		
	1800N 1500E	26	13	118					¥₩	+ 1 std dev.
	1800N 1650E	21	12	84						
	1800N 1700E	33	11	9 8						
).	1800N 1750E	23	10	72						
	1800N 1800E	25	10	85						
	1800N 1850E	54	17	78	₩ 4	+ 1 std dev.				
	1800N 1900E	25	9	45					ŧž	- 1 std dev.
	1800N 1950E	21	9	52					t t	- 1 std dev.
	1800N 2000E	26	11	74						
	1800N 2050E	18	9	80						· .
	1800N 2100E	18	6	54					₩	- 1 std dev.
	1800N 2150E	31	11	80						
	1800N 2200E	39	9	78						
	1800N 2250E	32	16	100						
	18000 2300E	22	8	72						میں دے ادارے ا
	1860N ZJOBE	10	6	22					**	- 1 5to dev.
	1860N 240NE	23	110	38		.				
	100001 29301 100001 05005	23 70	11 6	13						- · -
	1000N 20002 1000N 25502	00 67	ر د،	- FF 						
	10000 CJJUC 100001 05000	40 26	<u>م</u>	60 62						
	1000N COROL	27 703	ą	78		•				
	18000 27005	25	ģ	AA						
	1.0000 2750C	27	10	75						
	1800N 2800F	35	Â	88						
	1800N 2850F	22	10	85						
	1800N 2900F	25	11	30						
	1800N 2950E	24	11	82						
2	1800N 3000E	27	12	82						

	CHEVRON	Larry	Dekker	project	Maca
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	Sample	Cu	Рb	Zn							,		
~	descriptio	n ppe	ppm	pom		C	ա			Pb		Zn	
`	·	4.2		• •									
1	1800N 3050	E 17	8	45							**	- 1 sto	dev.
	1800N 3100	E 81	17	82	₭₹¥₭ ₭₩)+ 2	std?	dev.					
	1809N 0050	W 24	6	58									
	1800N 0100	W 75	21	52	₩₩₩	+ 2	. sto	dev.	¥¥	+ 1 std dev.	**	- i sto	dev.
	1800N 0150	W 26	11	63									
	1800N 0280	W 24	5	48							XX	- i sto	dev.
	1800N 0230	W 18	4	40						- 1 std dev.	**	- 1 sto	dev.
	1800N 0300	¥ . 14	5	<u>54</u>						·	₩.	- 1 sto	cev.
	10000 000000 100000 01000	พ รู ยู่เ	13	38 20						*			
	10000 04500 10000 04500	W 37 14 72	0 0	00 20									
	10061 04.90	ม 20 เม	5	00 50									
	- 1000N 0000 - 2000N 0000	n <u>co</u> c 27	, 17	00 02									
	22000 02000 22000 0050	E 37	10	10101					<u> </u>	+ 1 etd dev			
	22200 G100		11	100 25					**	. 7 200 06A*			
	2200N 0150	E 21	11 12	85									
	2200N 0200	F 25	12	93				,					
	22020 0250	E 22	8	63									
	2200N 0300	E 23	12	55							* ¥	- i std	dev.
	2200N 0350	E 31	12	80									
	2200N 0400	E 35	8	55							**	- i std	dev.
	2200N 05501	E 13	8	37	**	- 1	ಕ್ಷ	¢₽¥,			X X	- 1 std	≾ ε γ.
	2200N 06003	E 28	12	58									
	2200N 06501	E 17	1	94									
~	2200N 87888	E 25	7	68									
	2208N 0750	E 8	15	38									
	5500N 98001	E 38	:4	54									
	2200N 83588		10	85									
	2268x 89803		10	72									
	2288N 8358	E 14	8	62									
	2228N 10283	17	9	78									
	- 2202N 1000		16	82						4 1 7 1			
	20088 11020 20000 11020		4	70					₩÷	- 1 5td Bev.			
	- 2020 - 11090 		n 10	710									
	- 2100: 112003 - 0500: 10503		15	73 178	××	، بد	أتوخص	dou:			****	1 0 ata	ما مد و
	- COLVE - LOCO - 20000 - 12000	: 40 : 59	5 5	130	**	Υí	200	GEA.			****	T C SIO	CEA.
	- 1200N 13000 - 2200N 13501		2 Q	75									
	2290N 1490	27	18	68									
	2200N 1450	E 18	10	48							**	- 1 std	dev.
	2200N 1500E	E 15	-8	60									
	2200N 15500	E 15	8	58									
	2200N 1500E	23	7	55							**	- 1 std	dev.
	2200N 16508	E 20	12	115							f I	+ 1 std	dev.
	2200N 1700E	E 18	8	60			•						
	2200N 1750E	28	9	105							T.X	+ 1 std	dev.
	2200N 1800E	5 39	10	80									
	2200N 18508	34	10	68									
	2200N 1900E	33	8	73									
<u> </u>	22000N 1950E	39	9	58							,		
`	5500N 2000E	: 48	12	105	₹¥	+ 1	std	dev.			₩¥	+ 1 std	dev.

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Sample	Cu	Pb	Zn		_			
description	000	DDa	0018		Cu	<u>5</u> 2		Zn
2200N 0050N	16	8	78					
2222N 0100W	33	19	83					
2200N 0150W	15	6	48				**	- 1 std dev.
2200N G200N	18	11	48				##	- 1 std dev.
2200N 0250U	- 22	10	55				**	- 1 std dev.
2200N 0300N	29	11	140				****	+ 2 std dev.
2200N 0345W	20	4	53			## - 1 std dev.	**	- 1 std dev.
2280N 0400U	25	r Q	75					
DOGON GASON	49	10	50	**	+ 1 std dev.			
22001 05000	10	7	100	~ *	. 1 300 2000			
ologn goege	27	17	70					
20000 00302 20000 01005	27	13	00					
LOUDY UIDEL		<i>ם</i> 61	שיכ כד					
COUCH CLUCE	25		10					
COURN VCUUL DEGDN GOEGE	30 70	- 17	04 87	****	+ 2 ctd dov			
20009 02302 2000 07000	110 110	22	03 75	****	T E 560 0EV.	** T 1 500 DEA*		
Covin Uscol Scoon Aseac	01 01	0 0	70 70					
CORON BUJGE	55 07	3	- D40 - C D					
COURS VAUUE	20	12	00					
2000N 0400E	26	13	183					
20000 VOUL	16	5	60					ويستبر فمطبس فراق
264WN WEDWE	40	15	120				#1	+ 1 STC 284.
ZHANN DHORE	23	15	50					
2500N 0650E	40	14	6/					
2680N 0700E	22	12	89					
2600N 0750E	53	15	80	**	+ 1 StC Cev.	۰,		
2549N 0800E	20	9	62					
2609N 0850E	25	12	46				**	- 1 std cev.
2600N 0900E	23	6	42				##	- 1 std dev.
2600N 0950E	17	9	68					
2600N 1000E	48	12	73			;		
2500N 1050E	33	8	54					/
2600N 1100E	18	5	52				ŧŧ	- 1 std dev.
2500N 1150E	25	9	75					
2690N 1200E	25	9	65					
2600N 1250E	47	12	35	**	+ 1 std dev.			
2600N 1300E	21	10	88					
2600N 1350E	16	12	42				ŤŤ	- 1 std dev.
2500N 1400E	32	11	98			,		
2500N 1450E	20	8	105				#	+ 1 std dev.
2602N 1500E	28	18	158		• •		€ ## <u>₩₩</u> ₽)+ 2 std dev.
2600N 1550E	15	95	93			******)+ 2 std dev.		
2600N 1600E	22	10	60					
2600N 1650E	24	9	48				**	- i std dev.
2590N 1700E	27	9	70					
2600N 1750E	16	8	64					
2600N 1800E	15	8	88					
2500N 1850E	31	6	92					
2500N 1900E	14	7	82					
2600N 1950E	38	5	75					
2600N 2000E	43	11	128				##	+ 1 std dev.
2600N 0050W	32	15	107				**	+ i std dev.

	Sample	Cu	РЬ	Zn						'
` ``	description	DDIR	0 pto	20%		Cu		Pb		Zn
	2500N 0100W	12	8	63	¥#	- 1 std dev.				
	2620N 0150W	12	5	57	¥¥.	- 1 std dev.				
	2600N 0200W	42	20	123			**	+ i stó dev.	**	+ 1 std dev.
	2500N 0250W	16	10	119					**	+ 1 std dev.
	2600N 0300W	15	19	85					,	
	2600N 0350W	17	9	88						
	2500N 0400W	25	8	88						
	2500N 0450%	53	16	105	ŦŤ	+ 1 std dev.			₹ ¥	+ 1 std dev.
	2600N 0500W	43	23	93			**	+ 1 std dev.		

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APPENDIX V

GEOCHEMICAL SOIL DATA











\bigcirc	Outcrop
$\sim \sim$	Fault
	Diamond Drill Hole (inclination, total depth)
-	Grid Line
	Road
500	Topographic Contour (100 foot contour interval)
	Stream
	Line of Cross Section
∩⊸	Claim Boundary and legal Corner Post



REVISIONS

L. DEKKER/ P. SCHIARIZZA







