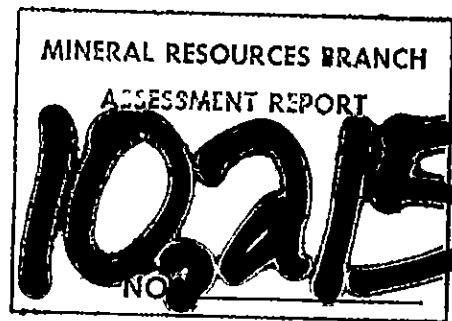


SUMMARY OF DIAMOND DRILLING  
ON THE DM CLAIMS  
HOODO GRID

KAMLOOPS MINING DIVISION  
BRITISH COLUMBIA



D. GAMBLE  
February, 1982

GUICHON EXPLORCO LIMITED

DM CLAIMS - HOODOO GRID

DDH No DM 81-1

NTS 92I/15W  
50°56'N & 120°57'W

D. GAMBLE  
February, 1982

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LIST OF ILLUSTRATIONS

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| FIG. 1    | Location map of the D.M. Claims<br>(1:600,000)                                    |                |
| FIG. 2    | Topographic map showing Hoodoo Grid<br>Location on the D.M. Claims<br>(1:100,000) |                |
| MAP 1     | Geological map of the Hoodoo Grid<br>(1:2,500)                                    | Back<br>Pocket |
| SECTION 1 | DDH Section DM 81-1<br>(1:500)  | Back<br>Pocket |

SUMMARY OF CONCLUSIONS AND RECOMMENDATIONS

Diamond drilling was carried out to test a surface litho-geochemical Au-Hg-As anomalous zone in altered Tertiary volcanics at Deadman Valley, Kamloops Mining Division, British Columbia. This one hole drill test did not return any significant values in Au or Ag. Erratic Hg values occur throughout the entire length of the hole, while As values are elevated in the upper part of the hole. The alteration present indicates a favourable environment for epithermal Au and/or Ag mineralization and further field examination of other anomalous zones on the D.M. property is recommended prior to further drill testing.

INTRODUCTION

This report describes the results obtained from a lone hole diamond drill program conducted on the DM claims by Guichon Explorco Limited in November 1981. Drilling was initiated to test a favourable bedrock geochemical Au-Hg-As anomalous zone indicated by reconnaissance lithochemistry (1979) and by further detailed soil and lithochemical mapping during 1981.

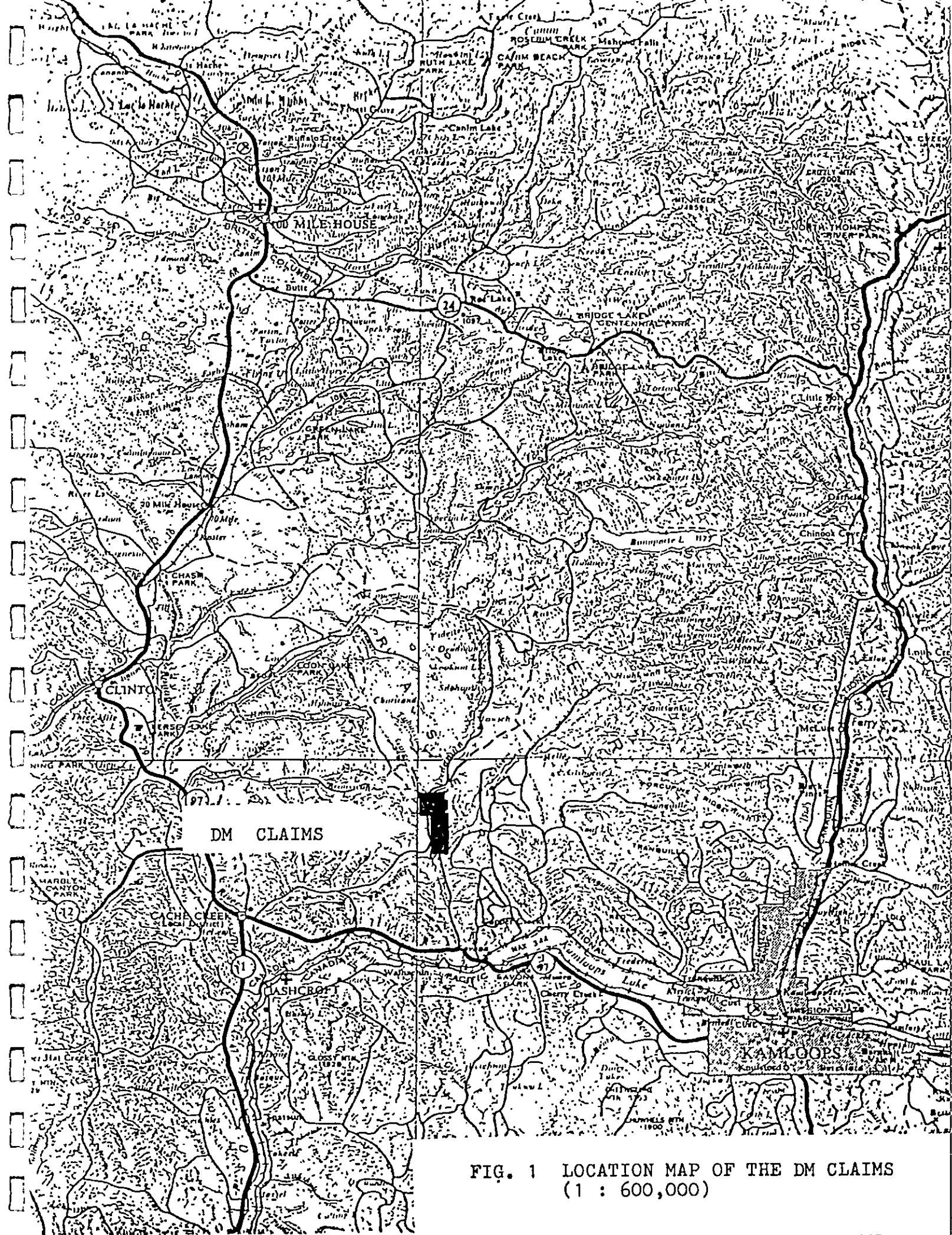


FIG. 1 LOCATION MAP OF THE DM CLAIMS  
(1 : 600,000)

LOCATION AND ACCESS

The DM property is located 20 kilometers N20°W from Savona, B.C. and centered on co-ordinates 50°56'N and 120°57'W on NTS map sheet 92I/15W (Location Map, Fig. 1). Road distance to the DM property from Savona, B.C. is 35 kilometers west via the Trans Canada Highway and north via the Deadman River Valley road. Range and abandoned logging roads leading west off the Criss Creek road provide summer access to the east boundary of the claims. The Deadman River Valley road passing over the western part of the group provides all weather access. A range road leading east from the Deadman River Valley road near the 17 kilometer post was upgraded to provide drill access.

Elevations on the DM property range from 550 meters to 1100 meters A.S.L. The drill access road climbs to 850 meters ASL over 2.5 kilometers of road to the collar site.

Vegetation consists of open range on the lower elevations to fir, pine and scattered juniper areas at higher elevations.



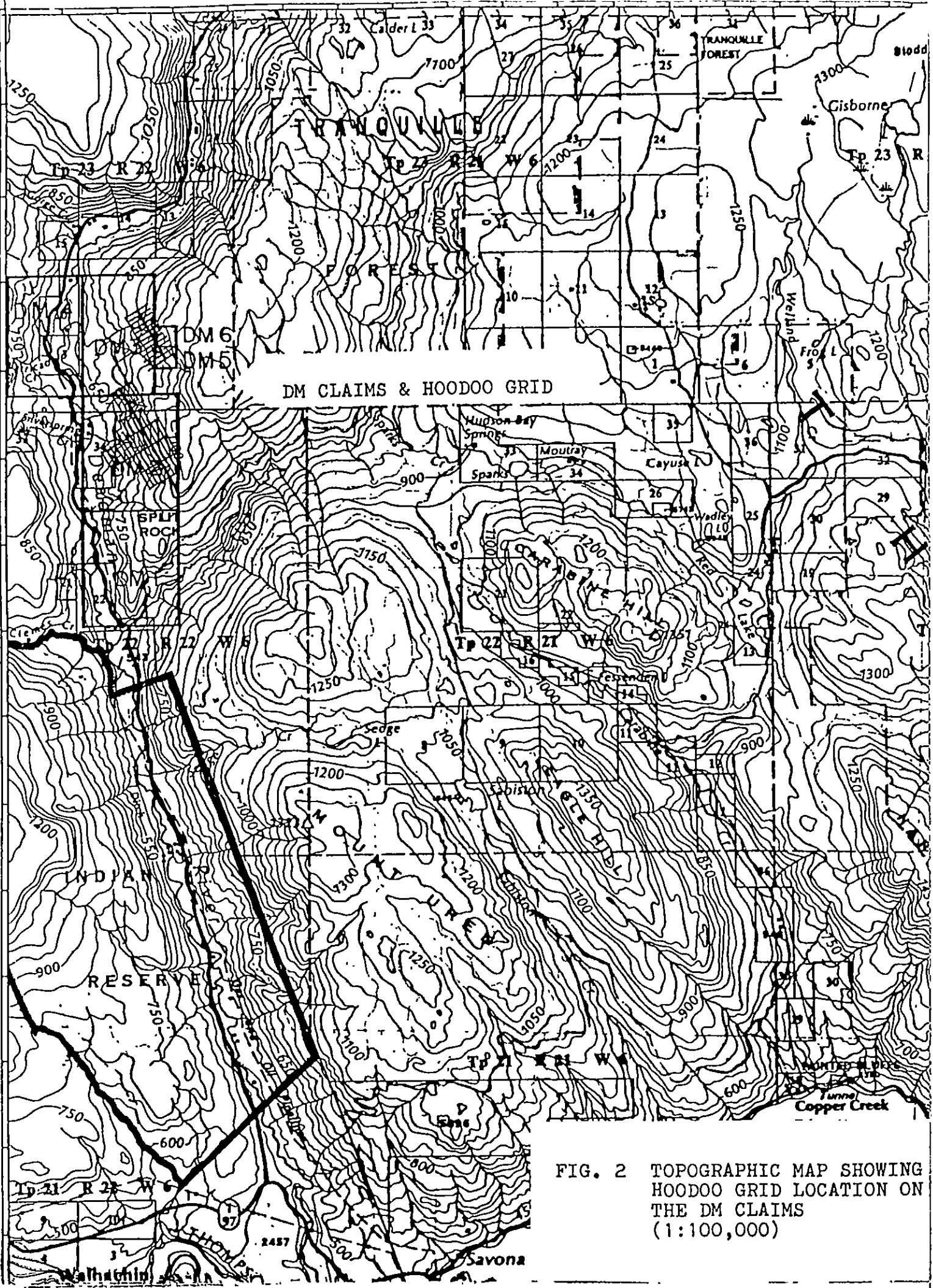


FIG. 2 TOPOGRAPHIC MAP SHOWING HOODOO GRID LOCATION ON THE DM CLAIMS (1:100,000)

CLAIM STATISTICS

All the claims are in the Kamloops Mining Division and are registered in the name of Guichon Explorco Limited of Toronto. The name and record numbers of the mineral claims are as follows:

CLAIM NAME	RECORD NO.	UNITS	RECORD DATE
DM 1	2214	20	Oct. 31, 1979
DM 2	2215	20	Oct. 31, 1979
DM 3	2216	15	Oct. 31, 1979
DM 4	2217	15	Oct. 31, 1979
DM 5 (2 post)	3024	1	Oct. 16, 1980
DM 6 (2 post)	3025	1	Oct. 16, 1980

Much of the area was staked previously, however there is no record of assessment done on the claims other than assessment reports filed in 1980 and 1981 under the account of Guichon Explorco Ltd.

DIAMOND DRILLING

During the period from November 23rd through to November 30th, 1981, one BQ diamond drill hole totalling 272.80 meters was completed using a diesel powered Longyear 38 unitized rig. The drill was hauled onto the property by an International TD 20 bulldozer. In addition the bulldozer was employed to upgrade and maintain the access route for water hauling, to prepare the drill site, to prepare a sump to contain drilling effluent, and to put the land back in order at the completion of the work.

Drilling of the DM property was contracted out to D.W. Coates Enterprises Limited of Richmond, B.C.

DRILLING RESULTS

The drill hole statistics are as follows:

<u>DDH No.</u>	<u>GRID COORDINATES</u>	<u>AZIMUTH/DIP</u>	<u>DEPTH</u>
DM81-1*	6+50MN/1+75MW	030°/-50°	272.80M

\*(see Geology of Hoodoo Grid, 1:2500 - back pocket)

The results obtained from this drilling are shown on the accompanying drill section (Section 1 - back pocket) and diamond drill sheets (Appendix).

Selected intervals (4) were split and then fire assayed for Au and Ag by Chemex Labs Ltd. of Vancouver. These assays were reported in oz/t and subsequently converted to gms/t. These selected samples (4) were also analysed for Hg and As. The balance of the hole was chip sampled every 30 cm over various core length intervals as indicated in the drill log. All samples were geochemically analysed for Au (ppb), Ag (ppm), Hg (ppb) and As (ppm) by Chemex Labs Ltd., and are entered adjacent to the appropriate sample interval on the drill log sheets.

The diamond drilling and assay results indicate low Au and Ag values throughout. The upper 75 meters is generally higher in As than the remainder of the hole. The distribution of Hg tends to be very erratic exhibiting (11) narrow zones exceeding 1000 ppb Hg. Within these (11) zones (3) zones exceed 10,000 ppb Hg, (1) zone lies between 5000 - 10,000 ppb Hg, and (4) zones lie between the 2000 - 5000 ppb Hg range.

The drilled section encountered a Tertiary volcanic (subaerial) sequence of coarse breccias and tuffaceous rocks dipping 15-30° to the west. The upper third of the hole consists of andesite poly-lithic laharic breccia with minor interbedded tuffaceous and basaltic flow horizons. An unusual concentration of earthy red hematite and ochre limonite occurs in the matrix.

The lower two-thirds of the hole becomes more acidic in composition and consists of a sequence of dacite breccias and tuffs. This lower section exhibits the strong presence of a clay (argillic) alteration zone.

The entire hole is strongly fractured coupled with extensive hematization. This type of hematite mineralization - alteration occurs throughout the entire section as black fracture fillings. The fractures and hematite fillings do not appear to have a preferred orientation.

Tops are indicated as up from local graded bedding features observed in several tuffaceous horizons. There are also several gross stratification features exhibited by a fining sequence from coarse breccia through to tuffs and fining to a fine ash and/or capped by a thin cherty siltstone. Tract to minor pyrite occurs within this thin tuff/sedimentary capping in the dacitic sequence.

The alteration products suggest that the drill hole lies entirely within the upper portion of an epithermal alteration system. The evidence for this is the presence of a lower argillic

alteration zone capped by an extensive hematized section. The entire section also shows extensive fracturing and vein hematization that reflects a shattering process associated with proximity to the center of epithermal activity.

Selected rock samples of drill core sent for thin sections should substantiate the alteration present and may aid in the identification of favourable mineralogy that can occur in productive epithermal systems.

CONCLUSIONS & RECOMMENDATIONS

Drilling on the Au-Hg-As geochemical anomalous zone did not return any significant values in Au or Ag. Erratic Hg values occur throughout the drilled section while As shows elevated values in the upper part of the hole.

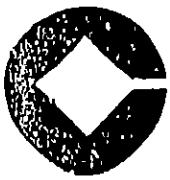
Further field examination of other anomalous zones on the property is required prior to initiating any further drill testing.

Dave Gamble  
February 1982

COST STATEMENT

1. CONTRACT DRILLING	28,756.22
c/w mob, demob, waterhauling and consumable materials (as per Invoice No. 2187 less \$913.00)	
2. CONTRACT SUPERVISION	1,259.80
10 days @ 125.98/day	
3. RECLAMATION COSTS	120.00
100 lbs. grass seed	
4. TRANSPORTATION	
TRUCK LEASE 2 weeks @ 125.00/wk.	250.00
VEHICLE OPERATION 10 days @ 20.00/day	200.00
5. CORE LOGGING, SAMPLING, MAPS AND REPORT PREPARATION	1,511.76
12 days @ 125.98/day	
6. DRAFTING	480.00
3 days @ 160.00/day	
7. ASSAYS AND GEOCHEMICAL ANALYSES	
CHEMEX LABS LTD. - Inv. #18210030	67.50
CHEMEX LABS LTD. - Inv. #18210031	648.00
	<u>\$33,293.28</u>





**D.W. COATES**  
**ENTERPRISES LTD.**  
DIAMOND DRILLING CONTRACTORS

2580 A Simpson Road, Richmond, B.C. V6X 2P9  
Phone: (604) 273-0984  
Telex No.: 04357616

Selco Inc.  
Suite 303 - 535 Thurlow Street  
Vancouver, B.C. V6E 3L2

INVOICE NO.: 2187  
JOB NO.: 464  
DATE: Dec. 4, 1981

TO: Savona, B.C. Drilling  
PERIOD: November 23 - 30, 1981

DRILLING DETAIL	\$18,816.25
MOBILIZATION	2,382.00
DEMOBILIZATION	1,030.50
WATER SUPPLY	2,600.00
DRILLING WITH MUD	1,266.02
HOLE STABILIZING	229.50
TESTING	379.35
TRACTOR RENTAL	2,620.00
CORE BOXES	345.60
	<hr/>
	\$29,669.22
	<hr/> <hr/>

DRILLING DETAIL

<u>Hole #</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>Rate</u>	<u>Amount</u>
DM81-1	BQ	0	25	25	20.40	510.00
DM81-1	BQ	25	50	25	21.40	535.00
DM81-1	BQ	50	500	450	20.40	9,180.00
DM81-1	BQ	500	895	395	21.75	8,591.25
				<u>895</u>		<u>18,816.25</u>

MOBILIZATION

A) Lump Sum

Transport Drill Equipment and personnel from  
base to truck discharge point      50% x \$1,500.00      750.00

B) Labour & Equipment

<u>Date</u>	<u>Memo</u>	<u>ManHrs.</u>
Nov 23D	Move to first hole	34
Nov 24D	Move to first hole	30
		<u>64</u>

Labour: 64 hours @ 25.50/hour      1,632.00

2,382.00

DEMOBILIZATION

A) Lump Sum

Transport drill equipment and personnel from  
last hole to truck load point 50% x 1,500.00 750.00

B) Labour & Equipment

<u>Date</u>	<u>Memo</u>	<u>ManHrs.</u>
Nov 28N	Move equipment to truck load point	2
Nov 29D	Move equipment to truck load point	7
Nov 30D	Move equipment to truck load point	2
		<u>11</u>

Labour: 11 hours @ 25.50/hour 280.00

1,030.50

WATER HAULING

4 days @ 650.00/day

2,600.00

DRILLING WITH MUD

A) Labour & Equipment

<u>Date</u>	<u>Hole #</u>	<u>Memo</u>	<u>ManHrs.</u>	<u>Mixer</u>
Nov 25	DM81-1	Mixing mud	3	3
Nov 26	DM81-1	Mixing mud	3	3
Nov 27	DM81-1	Mixing mud	2	2
Nov 28	DM81-1	Mixing mud	1	1
			<hr/>	<hr/>
			9	9

Labour: 9 hours @ 25.50/hour

229.50

Mixer: 9 hours @ 1.50/hour

13.50

243.00

MATERIALS

20 - Super-Gel @ 7.63	152.60	
1 - Super-Poly 2000	174.90	
2 - Asbestos @ 22.05	44.10	
3 - Alcomer 120 L @ 166.42	499.26	
	<hr/>	
	870.86	
Freight: 1300# @ 1.44/100	18.72	
	<hr/>	
	889.58	
Plus 15%	133.44	1,023.02
	<hr/>	
		<hr/>
		1,266.02
		<hr/>

HOLE STABILIZING

A) Labour & Equipment

<u>Date</u>	<u>Hole #</u>	<u>Memo</u>	<u>ManHrs.</u>	<u>Drill</u>
Nov 26D	DM81-1	Regain lost circulation	6	3

Labour:	6 hours @ 25.50/hour	153.00	
Drill:	3 hours @ 23.00/hour	69.00	
Pump:	3 hours @ 2.50/hour	<u>7.50</u>	<u>229.50</u>



TESTING

Hole # DM81-1	Acid Test @ 304 ft.	3 ft. x 20.40	61.20
Hole # DM81-1	Acid Test @ 445 ft.	3 ft. x 20.40	61.20
Hole # DM81-1	Acid Test @ 645 ft.	3 ft. x 21.75	65.25
Hole # DM81-1	Acid Test @ 895 ft.	3 ft. x 21.75	65.25
Hole # DM81-1	Acid Test @ 800 ft.	3 ft. x 21.75	65.25
Hole # DM81-1	Acid Test @ 200 ft.	3 ft. x 20.40	61.20

379.35

TRACTOR RENTAL

<u>Date</u>	<u>Memo</u>	<u>Tractor</u>
Nov 23D	Unload truck and build road	7
Nov 24D	Unload truck and build road	9
Nov 25D	Build road	9
Nov 26D	Build road	8
Nov 27D	Standby	0
Nov 28D	Standby	0
Nov 29D	Move equipment to truck load point	7
		<u>40</u>

Tractor:	40 hours @ 60.00/hour	2,400.00	
Standby:	2 days @ 110.00/day	<u>220.00</u>	<u>2,620.00</u>

CORE BOXES

36 - BQ core boxes @ 6.90/box	248.40	
36 - BQ core box lids @ 2.70/lid	<u>97.20</u>	<u>345.60</u>

**GALLANT TRUCKING LTD.**

221 O'CONNOR ROAD  
KAMLOOPS, B.C. V2C 5A5  
TELEPHONE 573-5355

**DAILY TIME TICKET**

DATE *Nov 26* 19*81*

TIME TO BE BILLED TO:

*D. W. Coates*

DESCRIPTION OF JOB:

*Supplid water for  
drilling at Deadman Cr.  
Day shift 10 hrs  
night shift 10 hrs*

HOURS WORKED: *20 hrs*

FOREMAN'S SIGNATURE: *[Signature]*

OPERATOR'S SIGNATURE: *[Signature]*

TRUCK NO. *10* N<sup>o</sup> 2402

**GALLANT TRUCKING LTD.**

221 O'CONNOR ROAD  
KAMLOOPS, B.C. V2C 5A5  
TELEPHONE 573-5355

**DAILY TIME TICKET**

DATE *Nov 27* 19*81*

TIME TO BE BILLED TO:

*D. W. Coates*

DESCRIPTION OF JOB:

*Supplid water  
for drilling at Deadman Cr.  
day shift 10 hrs  
night shift 10 hrs*

HOURS WORKED: *20 hrs*

FOREMAN'S SIGNATURE: *[Signature]*

OPERATOR'S SIGNATURE: *[Signature]*

TRUCK NO. *10* N<sup>o</sup> 2401

**GALLANT TRUCKING LTD.**

221 O'CONNOR ROAD  
KAMLOOPS, B.C. V2C 5A5  
TELEPHONE 573-5355

**DAILY TIME TICKET**

DATE *Nov 28* 19*81*

TIME TO BE BILLED TO:

*D. W. Coates*

DESCRIPTION OF JOB:

*Supplid water for  
drilling at Deadman Cr.  
day shift 10  
night shift*

HOURS WORKED: *20 hrs*

FOREMAN'S SIGNATURE: *[Signature]*

OPERATOR'S SIGNATURE: *[Signature]*

TRUCK NO. *10* N<sup>o</sup> 2404

**GALLANT TRUCKING LTD.**

221 O'CONNOR ROAD  
KAMLOOPS, B.C. V2C 5A5  
TELEPHONE 573-5355

**DAILY TIME TICKET**

DATE *Nov 29* 19*81*

TIME TO BE BILLED TO:

*D. W. Coates*

DESCRIPTION OF JOB:

*Supplid water for  
drilling at Deadman Cr.  
day shift 10 hrs  
night shift 10 hrs*

HOURS WORKED: *20 hrs*

FOREMAN'S SIGNATURE: *[Signature]*

OPERATOR'S SIGNATURE: *[Signature]*

TRUCK NO. *10* N<sup>o</sup> 2403

CERTIFICATE

I, Dave Gamble, of 7182 Blackwell Road, Kamloops, British Columbia hereby certify as follows:

1. I am a geologist residing at the above address.
2. I am a graduate of the University of Ottawa with an Honours B.Sc. (1973) and have completed two years graduate studies leading to a M.Sc. at Laurentian University.
3. I have practised my profession for more than 7 years.
4. I supervised the diamond drilling on the Hoodoo 'Grid, D.M. Claims and interpreted the results described herein.
5. I hold no interest direct or indirect in the D.M. Claim Group which is the subject of this report.

Respectively submitted,

Kamloops, B.C.  
February 10, 1981

A.P.D. Gamble  
Project Geologist

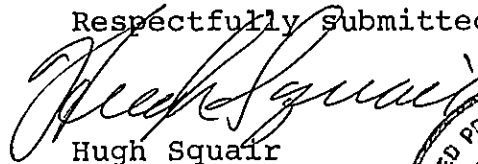
CERTIFICATE

I, Hugh Squair of 4287 Staulo Crescent, Vancouver, hereby certify that:

- (1) I am a geologist residing at the above address
- (2) I am a graduate of the University of Saskatchewan and London with B.A. 1959 and Phd. 1965, degrees in Geology and Mining Geology and have practiced my profession for 15 years.
- (3) I am registered as a member of the Association of Professional Engineers of the Province of Ontario.
- (4) I directed the diamond drilling carried out on the D.M. Claim Group by Mr. A.P.D. Gamble and attest that the geological log and geochemical values are correct within reasonable limits of error.
- (5) I hold no interest direct or indirect in the D.M. Claim Group which is the subject of this report.

Vancouver, B.C.  
February 25, 1982

Respectfully submitted,

  
Hugh Squair



APPENDIX

1. CERTIFICATE OF ANALYSES
2. DIAMOND DRILL HOLE LOG



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE (604) 984-0221  
TELEX 043-52597

## CERTIFICATE OF ASSAY

TO : Selco Mining corporation Ltd.,  
Ste. 502 - 535 Thurlow St.,  
Vancouver, B. C.  
V6E 3L2

CERT. # : A8210030-001-A  
INVOICE # : 18210030  
DATE : 18-JAN-82  
P.O. # : NONE

ATTN: DAVID GAMBLE

Sample description	Prep code	Ag FA oz/T	Au FA oz/t				
13538	207	0.01	<0.003	--	--	--	--
13540	207	0.01	<0.003	--	--	--	--
13555	207	0.01	<0.003	--	--	--	--
13571	207	0.01	<0.003	--	--	--	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

*Ken Amey*  
.....  
Registered Assayer, Province of British Columbia





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX. 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : Selco Mining corporation Ltd.,  
Ste. 502 - 535 Thurlow St.,  
Vancouver, B. C.  
V6E 3L2

CERT. # : A8210030-001-A  
INVOICE # : 18210030  
DATE : 18-JAN-82  
P.O. # : NONE

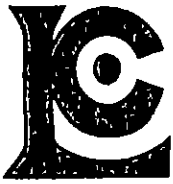
ATTN: DAVID GAMBLE

Sample description	Prep code	AS ppm	Hg ppb				
13538	207	350	50	--	--	--	--
13540	207	200	>10000	--	--	--	--
13555	207	30	>10000	--	--	--	--
13571	207	10	300	--	--	--	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by *Hart Buchler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE (604) 984-0221  
TELEX 043-52597

## CERTIFICATE OF ANALYSIS

TO : Selco Mining corporation Ltd.,  
Ste. 502 - 535 Thurlow St.,  
Vancouver, B. C.  
V6E 3L2

CERT. # : A8210031-001-A  
INVOICE # : I8210031  
DATE : 20-JAN-82  
P.O. # : NONE

ATTN: DAVID GAMBLE

Sample description	Prep code	Ag ppm	AS ppm	Hg ppb	Au FA+AA ppb		
13536	205	0.5	230	900	15	--	--
13537	205	0.3	220	1700	10	--	--
13539	205	0.3	130	90	5	--	--
13541	205	0.4	135	250	15	--	--
13542	205	0.4	150	60	20	--	--
13543	205	0.4	200	200	5	--	--
13544	205	0.4	150	2500	10	--	--
13545	205	0.4	250	1800	10	--	--
13546	205	0.4	97	620	15	--	--
13547	205	0.3	125	100	10	--	--
13548	205	0.5	94	1200	15	--	--
13549	205	0.4	170	2200	5	--	--
13550	205	0.5	59	820	15	--	--
13551	205	0.5	27	4000	35	--	--
13552	205	0.5	20	6500	15	--	--
13553	205	0.4	39	320	10	--	--
13554	205	0.4	27	490	10	--	--
13556	205	0.3	9	200	10	--	--
13557	205	0.2	19	300	10	--	--
13558	205	0.2	10	150	15	--	--
13559	205	0.3	9	140	10	--	--
13560	205	0.1	24	210	10	--	--
13561	205	0.2	17	190	15	--	--
13562	205	0.2	35	770	15	--	--
13563	205	0.2	33	190	10	--	--
13564	205	0.2	16	120	15	--	--
13565	205	0.3	29	3500	10	--	--
13566	205	0.2	29	310	10	--	--
13567	205	0.2	22	210	10	--	--
13568	205	0.2	22	260	10	--	--
13569	205	0.2	30	620	10	--	--
13570	205	0.2	29	1100	10	--	--
13572	205	0.1	32	480	15	--	--
13573	205	0.2	36	500	10	--	--
13574	205	0.2	38	850	10	--	--
13575	205	0.2	29	1400	10	--	--
13576	205	0.1	35	780	10	--	--
13577	205	0.3	67	1200	20	--	--
13578	205	0.2	35	1100	15	--	--
13579	205	0.2	38	400	10	--	--

Certified by *Hart Bichler*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221  
TELEX. 043-52597

## CERTIFICATE OF ANALYSIS

TO : Selco Mining corporation Ltd.,  
Ste. 502 - 535 Thurlow St.,  
Vancouver, B. C.  
V6E 3L2

CERT. # : A8210031-002-A  
INVOICE # : I8210031  
DATE : 20-JAN-82  
P.O. # : NONE

ATTN: DAVID GAMBLE

Sample description	Prep code	Aa ppm	AS ppm	Hg ppb	Au ppb	FA+AA ppb		
13580	205	0.2	53	2300		30	--	--
13581	205	0.2	22	1900		15	--	--
13582	205	3.1	19	>10000		10	--	--
13583	205	0.2	29	2000		10	--	--
13584	205	0.2	30	900		5	--	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by *Hart Bichler*

# DIAMOND DRILL RECORD

HOLE NO. DM 81-1

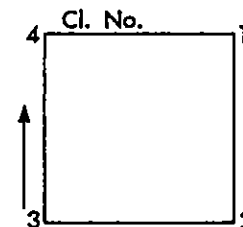
PROPERTY D.M. Group

SHEET NO 1

BEARING 030°

LOCATION 6+50 m N/1+75 m W

DIP COLLAR -50°



ELEVATION 850 m ASL

TOTAL DEPTH 272.8 m

CORE SIZE BQ

STARTED Nov. 23/81 COMPLETED

Nov. 30/81

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS												
0	15.24	O/B										Subcrop at 13.10 m, set casing to 15.24 m.												
15.24	26.87	Andesite Polymictic Breccia (Limonitic) Trt. Subaerial laharc breccia consisting of multi-compositional volcanic fragments (basic to acidic) of flow rocks - aphanitic, feldspar porphyritic and amygdaloidal and tuffaceous fragments. Occasional fragments of sedimentary origin - fine grained siltstone and limestone. Colour of fragments range from tan brown, buff pink, light grey to white, dull green and purple. Fragments are generally 1-2 cm in size, supporting each other, occasionally larger 5-10 cm, with numerous small chips in the 2-5 mm range. Fragments are poorly sorted and exhibit sharp irregular shapes. The fragment population lies in a dull earthy brown limonitic volcanogenic mud matrix. The rocks are weak to moderately fractured marked by black shiny hematite slip surfaces. Orientation of slips and small fractures are variable.  Local carbonate as erratic stringers and interstitial patches, occasionally cuts fragments and as outer rims to the fragments.										<p style="text-align: center;"><u>ACID TESTS</u></p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>60.96</td> <td>49°</td> </tr> <tr> <td>92.66</td> <td>49°</td> </tr> <tr> <td>135.63</td> <td>50°</td> </tr> <tr> <td>196.59</td> <td>51°</td> </tr> <tr> <td>243.84</td> <td>52°</td> </tr> <tr> <td>272.79</td> <td>51°</td> </tr> </table> <p>Trace pyrite locally as minute, isolated crystals.</p> <p>Trace HgS in an acid fragment @ 18.81 m.</p>	60.96	49°	92.66	49°	135.63	50°	196.59	51°	243.84	52°	272.79	51°
60.96	49°																							
92.66	49°																							
135.63	50°																							
196.59	51°																							
243.84	52°																							
272.79	51°																							

MINERAL RESEARCH BRANCH  
ANALYSIS REPORT  
**10,215**

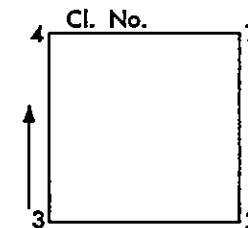


SELCO MINING CORPORATION LIMITED  
**DIAMOND DRILL RECORD**

HOLE NO.  
SHEET NO 3  
LOCATION

PROPERTY \_\_\_\_\_

BEARING  
DIP COLLAR



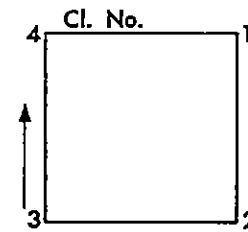
ELEVATION  
TOTAL DEPTH  
CORE SIZE

STARTED

COMPLETED

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS
		<p>supported and matrix supported breccia. The clastic component ranges from fine chips 2-5 mm to a high % of 1-3 cm sized fragments with the occasional 8-10 cm sized blocks. The fragments tend to all be lighter coloured than the matrix which offers sharp contrast of fragment to matrix. The composition of the fragments range from the occasional purple basalt to tan brown andesite. A high % of feldspar porphyritic buff coloured flow (or intrusive) rock fragments occur. In addition, a felsic intrusive fragment type consisting of 2-3 mm pink porphyritic feldspar lying in a fine grained feldspar biotite ground mass is common. Occasional light grey aphanitic sedimentary rock fragments occur. Weak local carbonate gash fillings and minor stringers and numerous black hematite (high lustre) slip surfaces cut at variable angles. Also black shiny hematite coatings on a number of the fragments. Black lustreous hematite as coatings on slips and fragments, approximately 5%.</p>										<p>The black hematite slips and the coatings of shiny black hematite that envelope the fragments tend to conclusively support post depositional activity-tectonic and hydrothermal.</p>

# DIAMOND DRILL RECORD



HOLE NO.

PROPERTY \_\_\_\_\_

ELEVATION

SHEET No 4

BEARING \_\_\_\_\_

TOTAL DEPTH

LOCATION \_\_\_\_\_

DIP COLLAR \_\_\_\_\_

CORE SIZE

STARTED

COMPLETED

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYED ppm				REMARKS
								Au	Ag	Hg	As	
30.70	32.05	<p>Andesite Tuff (TRT)</p> <p>U contact 52° T.C.A. L contact 42° T.C.A.</p> <p>Fine grained (generally less than 1 mm particle size), buff tan to ochre in colour for 0.6 m changing to pale purple to mauve colour in bottom part of unit. Some 2-3 mm chips dispersed locally as well as the occasional 1-2 cm fragments. In addition to the gross colour stratification there is also poorly defined layering at approximately 40° T.C.A.. The layers are defined by subtle colour (5 mm) variations, and individual layers tend to be broken and disrupted. 30.9 - 31.0 Carbonate stringers and carbonate rich layer at 50° T.C.A. - possibly of sedimentary origin. Carbonate stringers no preferred orientation.</p> <p>The entire section is highly fractured with ochre hematite and some black hematite lining the microfractures. Limonite alteration extends from 1 to 3 mm from the fracture surface. Numerous crisscrossing fractures with accompanying limonitic alteration yields a highly fractured appearance. Lower contact marked by white carbonate and increase in coarse fragments.</p>	540	30.7	32.0	1.3	1.00	.103	.343	710,000	200	<p>Trace - 1% pyrite 31.0-31.5, trace HgS hematite stringers and limonitic healed fractures. (assay #540) Au,Ag</p> <p>This tuff unit lies between coarse breccia units of similar composition marking an overall stratification in the laharic breccia sequence as indicated by the thin intercalated fine tuff-sedimentary horizons. This fine grained material grades crudely to coarse breccia unit below and thus probably represents the fine settled out material from a mud lahar flow.</p>





SELCO MINING CORPORATION LIMITED  
**DIAMOND DRILL RECORD**

HOLE NO.

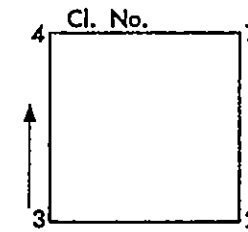
PROPERTY \_\_\_\_\_

SHEET NO 6

BEARING \_\_\_\_\_

LOCATION \_\_\_\_\_

DIP COLLAR \_\_\_\_\_



ELEVATION \_\_\_\_\_

TOTAL DEPTH \_\_\_\_\_

CORE SIZE \_\_\_\_\_

STARTED \_\_\_\_\_

COMPLETED \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS
								Au	Ag	Hg	As	
49.38	56.77	Banded Siltstone (Slump Brecciated) (TRT)  Alternating limonitic siltstone bands with pale yellow siliceous siltstone (cherty) bands and grey-black siltstone bands. The individual bands exhibit a brecciated texture with little matrix other than a limonitic cement. Internal bedding varies from 90° T.C.A. The siltstone bands are all fine grained. The fragmentation of the siltstone bands are 1-2 cm sized in situ slump breccia. Weak carbonate locally. Trace pyrite in dark siltstone layers. No hematite slips.	544	49.38	56.77	7.39		10	.4	2500	150	Some limonitic rich bands alternating with siliceous rich bands are 10-20 cm thick. Some sections look conglomeritic with fragments of similar composition to the bedded material.
56.77	57.80	Feldspar Porphyritic Basalt Flows (TRT)  Purple coloured basalt flow with flow top and flow bottom breccia sections. Center of flow is characterized by 2-3 mm x 1 mm white plagioclase laths in a fine grained purple ground mass. Minor hematite colouration at flow contacts in flow breccia sections.  U contact irregular @ approx. 40° T.C.A. L contact irregular @ approx 30-40° T.C.A.	545	56.77	57.80	1.03		10	.4	1800	250	

# DIAMOND DRILL RECORD

HOLE NO.

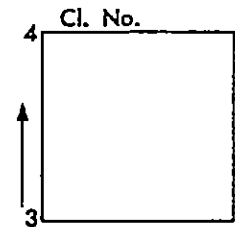
PROPERTY \_\_\_\_\_

SHEET NO 7

BEARING \_\_\_\_\_

LOCATION \_\_\_\_\_

DIP COLLAR \_\_\_\_\_



ELEVATION \_\_\_\_\_

TOTAL DEPTH \_\_\_\_\_

CORE SIZE \_\_\_\_\_

STARTED \_\_\_\_\_

COMPLETED \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS
								Au	Aq	Hq	As	
57.80	59.40	Tuff/Breccia - Conglomerate (TRT)  Similar to banded siltstone unit at 49.38 - 56.77 but with coarse breccia fragments of volcanic origin. This section represents the coarse basal accumulation to the finer banded overlying sediments. Fragments are 2-3 cm, irregular shaped breccia of purple basalt and tan to cream coloured tuff fragments. This section is limonitic rich as interstitial and stringers. Matrix is composed of 1-2 mm white chips in a limonitic matrix.  U contact irregular L contact 20° T.C.A.	546	57.8	59.4	1.6		15	.4	620	97	
59.40	62.84	Basalt Flow (TRT)  Fine grained purple basalt flow with local sections exhibiting 1-2 mm amygdules. Occasional flow breccia sections as well as fine laminated beds of intercalated tuff/sediments. Bedding of tuffs beds at 52° T.C.A. Upper 1.2 m. Lower contact @ 70° T.C.A. Minor black hematite slips moderately limonitic as stringers and along fractures.	547	59.40	62.84	3.44		10	.4	100	125	







# DIAMOND DRILL RECORD

HOLE NO.

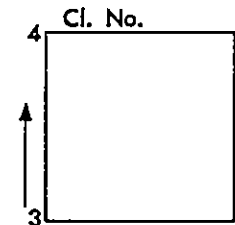
PROPERTY \_\_\_\_\_

SHEET NO 11

BEARING \_\_\_\_\_

LOCATION \_\_\_\_\_

DIP COLLAR \_\_\_\_\_



ELEVATION \_\_\_\_\_

TOTAL DEPTH \_\_\_\_\_

CORE SIZE \_\_\_\_\_

STARTED \_\_\_\_\_

COMPLETED \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS
								Au	Ag	Hg	As	
107.31	111.6	Dacite Tuff (TRT)  This thin unit appears to be the upper chert capping of a fining sequence of tuff and tuff-breccia from below.	556	107.31	111.6	4.29		10	.3	200	9	Broken ground 110.1 - 111.4
		Hard, very fine grained tuff, from cream white to buff pink in colour, fining up hole to the chert horizon above. The upper 1.5 m contains some pale yellow intercalated cherty material. Moderate to strong fracturing with hematite stringers and fine thread-like fracture fillings. Occasional black hematite slips. Irregular lower bedding contact @ 40° exhibited by a sharp break in grain size from fine grained (1 mm) a tuff containing 1-2 mm sized chips below. Bedding @ 52° T.C.A.										
111.6	114.2	Andesite Tuff (TRT)  More mafic and more coarse grained fragments than overlying unit. Fragments consist of 2 mm dark green andesite and buff pink felsic (dacite) chips. Locally the matrix is fine grained and may vary from buff white to pale green. Numerous hematite lined fractures. Moderate clay alteration, weak CO <sub>2</sub> .	557	111.6	114.2	2.6		10	.2	300	19	

## DIAMOND DRILL RECORD

HOLE NO.

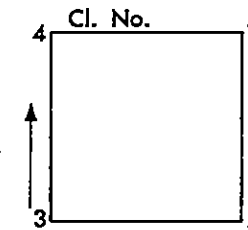
PROPERTY \_\_\_\_\_

SHEET NO 12

BEARING \_\_\_\_\_

LOCATION \_\_\_\_\_

DIP COLLAR \_\_\_\_\_



ELEVATION \_\_\_\_\_

TOTAL DEPTH \_\_\_\_\_

CORE SIZE \_\_\_\_\_

STARTED \_\_\_\_\_

COMPLETED \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS
								Au	Ag	Hg	As	
114.2	122.2	Dacite Tuff - Bx (TRT)  (as previous at 107.31 - 111.6)  Fine grained cream white to buff pink tuff grading to coarse grained breccia or auto brecciated tuff (fragmentation of tuff). The fragments are of similar composition to the more massive tuff section strong fracturing with hematite lining the fractures and imparting a buff pink colour to the unit. Moderate clay alteration yielding a white dusty product. L. contact @ 45° T.C.A.	558	114.2	118.1	3.9		15	.2	150	10	
			559	118.1	122.2	4.1		10	.3	140	9	
122.2	124.4	Andesite Tuff (pale mauve) (TRT)  (as previous at 111.6 - 114.2)  weak interstitial carbonate.	560	122.2	124.4	2.2		10	.1	210	24	
124.4	131.0	Dacite Tuff (TRT)  (as previous at 114.2 - 122.2)  Trace pyrite at 129.9 m Some very hard sections, possibly some welding. Some clay alteration sections. Hematite lining slips, local sections are strongly fractured yielding a brecciated appearance.	561	124.4	131	6.6		15	.2	190	17	

# DIAMOND DRILL RECORD

HOLE NO.

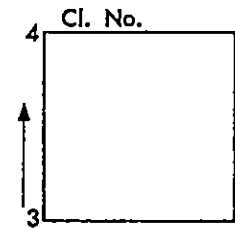
PROPERTY \_\_\_\_\_

SHEET NO 13

BEARING \_\_\_\_\_

LOCATION \_\_\_\_\_

DIP COLLAR \_\_\_\_\_



ELEVATION \_\_\_\_\_

TOTAL DEPTH \_\_\_\_\_

CORE SIZE \_\_\_\_\_

STARTED \_\_\_\_\_

COMPLETED \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS
								Au	Ag	Hg	As	
131.0	145.93	Andesite Tuff - Breccia (TRT)  Upper contact is variable but appears to approximate 60-70° T.C.A.. Soft, medium grey-purple coloured matrix with 1-3 mm buff pink felsic chips and dark green to black chips grading into a coarse polymictic, overall purple to maroon coloured breccia. High % of buff pink (clay alteration) felsic chips. Moderate argillic alteration throughout. Some buff grey fragments (5 cm), green feldspar Porphyritic andesite flow fragments, purple basalt fragments.  Fractured rock with hematite slips and fracture fillings. Some layering at 65° T.C.A.	562	131.0	136	5.0		15	.2	770	35	
			563	136.0	145.93	9.93		10	.2	190	33	
145.93	184.40	Dacite to Andesite Tuff - Tuff/Bx (TRT)  Buff pink coloured unit, not as light as the dacitic or as dark as the andesitic preceding units. The unit begins with 1-2 mm felsic chips in a felsic matrix that is moderately to strongly hematized by fine thread-like stringers. There are local areas where buff grey bleaching occurs as well as thin horizons of hematite rich tuff with cream coloured 1 cm felsic fragments. Bedding although poorly indicated is approximately 40-50 T.C.A. Some bedding variation 20-30° T.C.A. is represented by the hematite rich tuff layers. Occasional	564	145.93	153.2	7.27		15	.2	120	16	Leuco - And.
			565	153.2	160.17	6.97		10	.3	3500	29	
			566	160.17	167.5	7.33		10	.2	310	29	

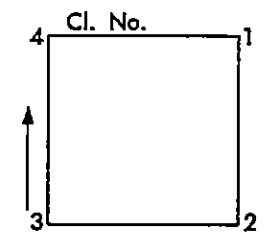


SELCO MINING CORPORATION LIMITED  
**DIAMOND DRILL RECORD**

HOLE NO.  
SHEET NO 14  
LOCATION

PROPERTY \_\_\_\_\_

BEARING  
DIP COLLAR



ELEVATION  
TOTAL DEPTH  
CORE SIZE

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS
								STARTED		COMPLETED		
								Au	Ag	Hg	As	
		large fragments 5 cm in size, one acid frag 30 cm at 151 m. Black hematite lined fractures throughout section.	567	167.5	174.86	7.36		10	.2	210	22	
			568	174.86	179.26	4.4		10	.2	260	22	
		179.26 - 180.22 Purple andesite tuff with felsic chips 2-3 mm in size. U contact 50° T.C.A. L contact is a hematite fracture @ 43° T.C.A.	569	179.26	184.40	5.14		10	.2	620	30	
		173.22 - 184.40 Dacite to Andesite tuff breccia becoming more andesitic down section. A darker coloured red-brown coloured. Lower contact sharp @ 55° T.C.A.. Occassional dolomitic stringer.										
184.4	186.96	Siltstone or Dacite Tuff (TRT)										
		184.4 - 185.42 Buff grey and buff pink fine grained siltstone. Lower bedding contact @ 70° T.C.A.	570	184.4	185.42	1.02		10	.2	1100	29	
		185.42 - 186.96 Grey green intermediate tuff/sediment, local sections containing 2-5 mm felsic chips to massive fine grained sections. Dark grey green matrix locally. Local intercalations of weak pyrite mineralization.	571	185.42	186.96	1.54		.103	.343	300	10	Assay - pyrite in sediments 571 Au, Ag.
								gms/t				
186.96	249.08	Dacite - Andesite Tuff (Bx) (TRT)										
		(as previous 145.93 - 184.40)	572	186.96	196.45	9.49		15	.1	480	32	
		Internal bedding of siliceous fine grained green siltstone @ 40° T.C.A. - 10 cm thick layer.	573	191.45	203.46	7.01		10	.2	500	36	

# DIAMOND DRILL RECORD

HOLE NO.

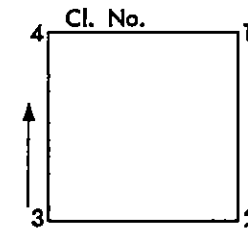
PROPERTY \_\_\_\_\_

SHEET NO 15

BEARING \_\_\_\_\_

LOCATION \_\_\_\_\_

DIP COLLAR \_\_\_\_\_



ELEVATION \_\_\_\_\_

TOTAL DEPTH \_\_\_\_\_

CORE SIZE \_\_\_\_\_

STARTED \_\_\_\_\_

COMPLETED \_\_\_\_\_

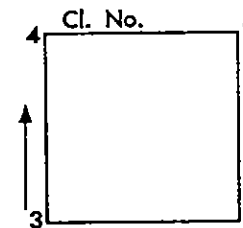
FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS
								Au	Ag	Hg	As	
		Graded bedding @ 193 m indicating a fining uphole	574	203.46	210.44	6.98		10	.2	850	38	
		Extensively fractured + black hematite throughout	575	210.44	217.12	6.68		10	.2	1400	29	
		Broken ground-argillic alteration at	576	217.12	234.4	7.28		10	.1	780	35	
		215.10 m, 218.40 m, 239.5 m.	577	224.4	231.7	7.3		20	.3	1200	67	
		228.8 - 230.5 medium green coloured tuff section,	578	231.7	238.7	7.0		15	.2	1100	35	
		gradual contacts.										
		231.3 - 231.34 Fault, white clay and rock chips-	579	238.7	245.7	7.0		10	.2	400	38	
		argillic 80-90° T.C.A..										
		244.12 - 244.25 intercalated green chert bands	580	245.7	249.08	3.38		30	.2	2300	53	
		at 45° T.C.A.										
		244.47 - 244.62 Green and white banded chert @										
		45° T.C.A.										
249.08	254.20	Andesite Tuff (TRT)										
		Dark green in center of section with a gradual	581	249.08	254.2	5.12		15	.2	1900	22	
		lightening (bleaching) towards the upper and										
		lower contacts. The bleached sections are										
		pale green in colour and clearly exhibit 2 mm										
		felsic fragments in a fine grained matrix.										
		Definition of the fragments in the dark green										
		section are poorly defined.										
		The section is cut by white										
		carbonate stringers and the slip surfaces are										
		lined by black hematite.										
		U contact @ 55° T.C.A.										
		L contact @ 55° T.C.A.										
												General statement: The hole is all in Tertiary Volcanics, there does not seem to be any significant lithology - age change. (ie. Tertiary to Triassic change).

SELCO MINING CORPORATION LIMITED  
**DIAMOND DRILL RECORD**

HOLE NO.  
SHEET NO 16  
LOCATION

PROPERTY \_\_\_\_\_

BEARING  
DIP COLLAR



ELEVATION  
TOTAL DEPTH  
CORE SIZE

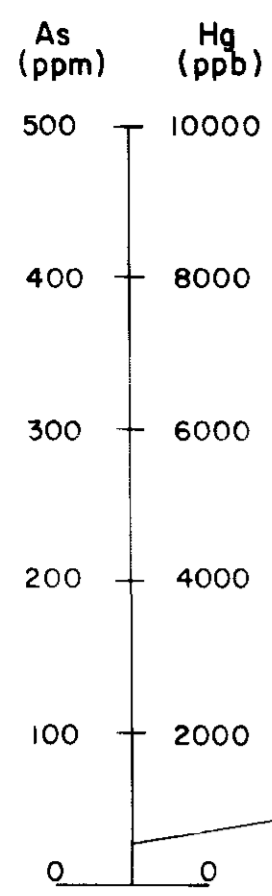
STARTED

COMPLETED

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS
								Au	Ag	Hg	As	
254.20	272.80	Dacite - Andesite Tuff (Bx) (TRT) EOH (as previous 186.96 - 249.08)	582	254.20	260.45	6.25		10	3.1	>10,000	19	Tops are up hole. Hole starts in highly limonite + hematite polymictic coarse bx of andesite composition and tends to become lighter coloured hard, more dacitic down hole. Occasional sedimentary horizon (± py) are intercalated in the dacite units. The dacite units tends to be tuffaceous with a low percent of bx whereas the andesite overlying are less tuffaceous and more bx. The hole is extensively fractured with a high percentage of hematite slip and fracture fillings.
			583	260.45	266.83	6.38		10	.2	2,000	29	
			584	266.83	272.80	5.97		5	.2	900	30	







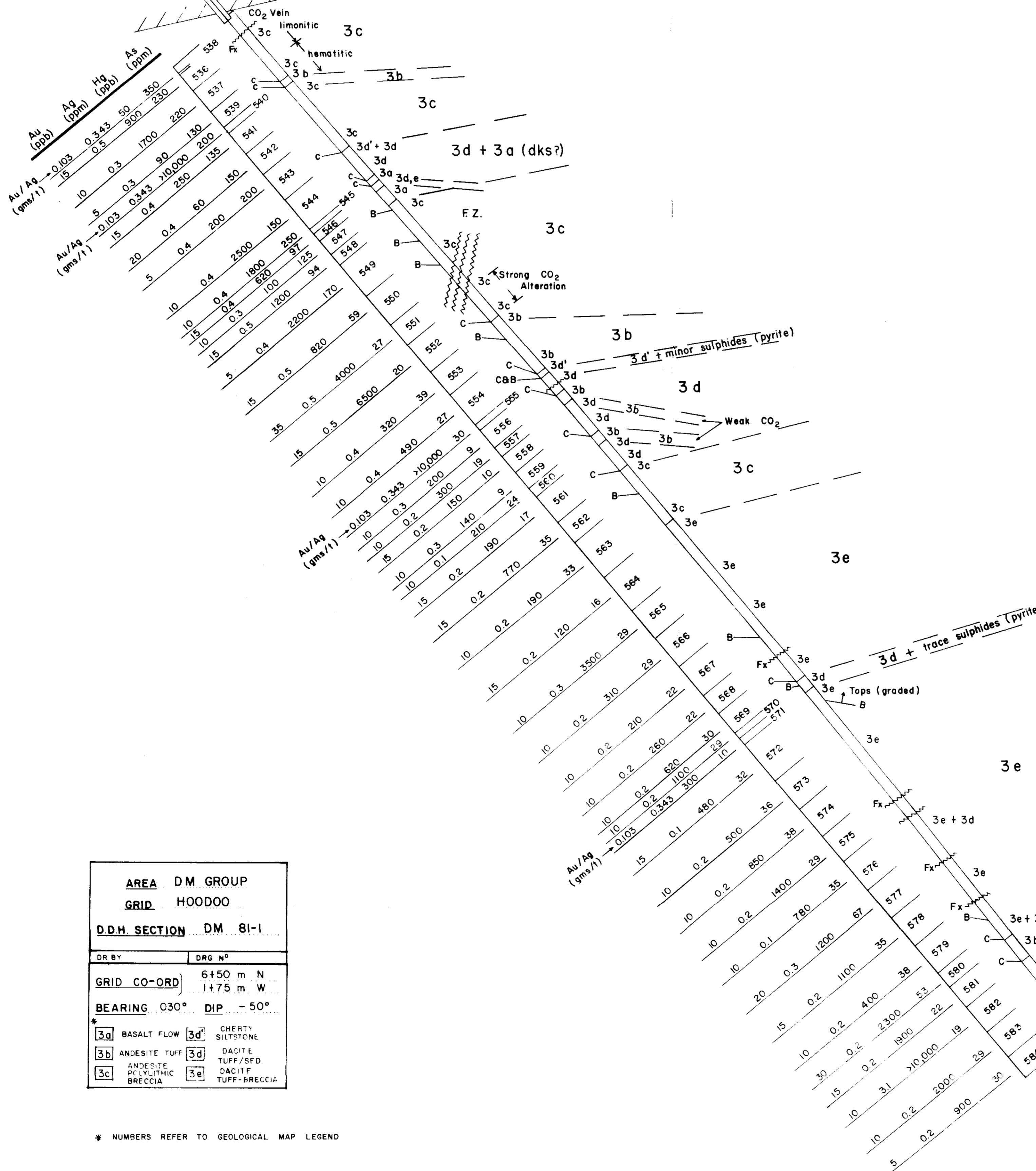
OUTCROP GEOCHEMISTRY

L/W

BL  
O

TOPOGRAPHY (APPROX.)

DM 81-1



AREA DM GROUP	
GRID HOODOO	
D.D.H. SECTION DM 81-1	
DR BY	DRG N°
GRID CO-ORD	6+50 m N 1+75 m W
BEARING 030°	DIP -50°
3a BASALT FLOW	3d' CHERTY SILTSTONE
3b ANDESITE TUFF	3d DACITE TUFF/SFD
3c ANDESITE PLYLITHIC BRECCIA	3e DACITE TUFF-BRECCIA

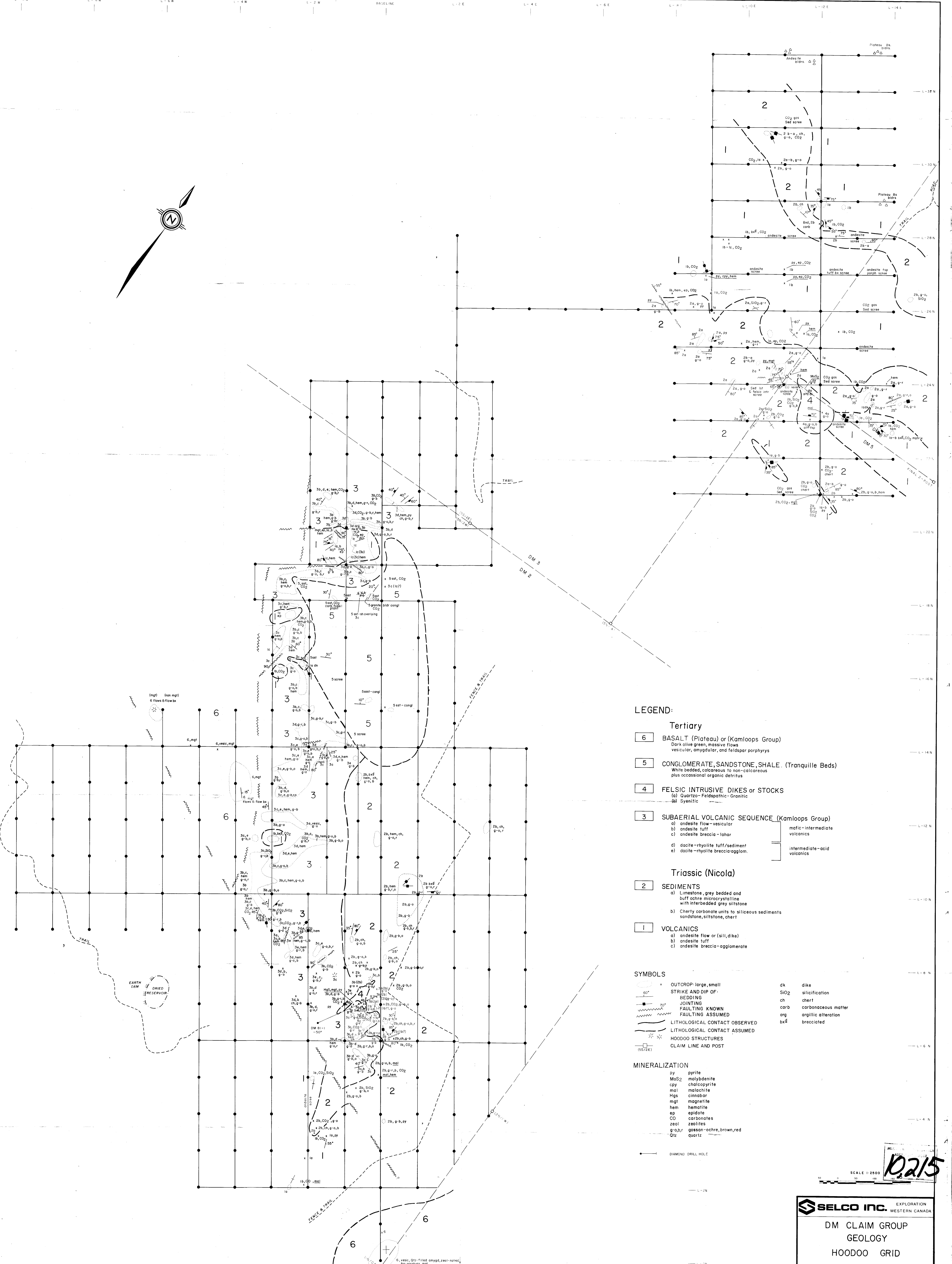
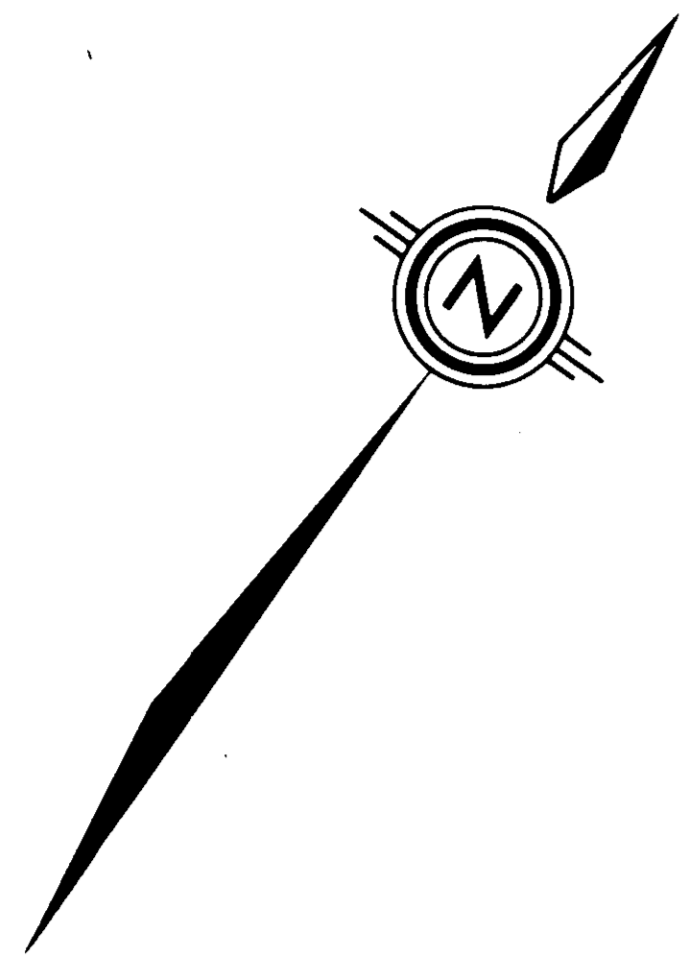
\* NUMBERS REFER TO GEOLOGICAL MAP LEGEND

MINERAL RESEARCH  
10.215  
NO

**SELCO INC.** EXPLORATION WESTERN CANADA

**DM GROUP**  
D.D.H. SECTION DM 81-1

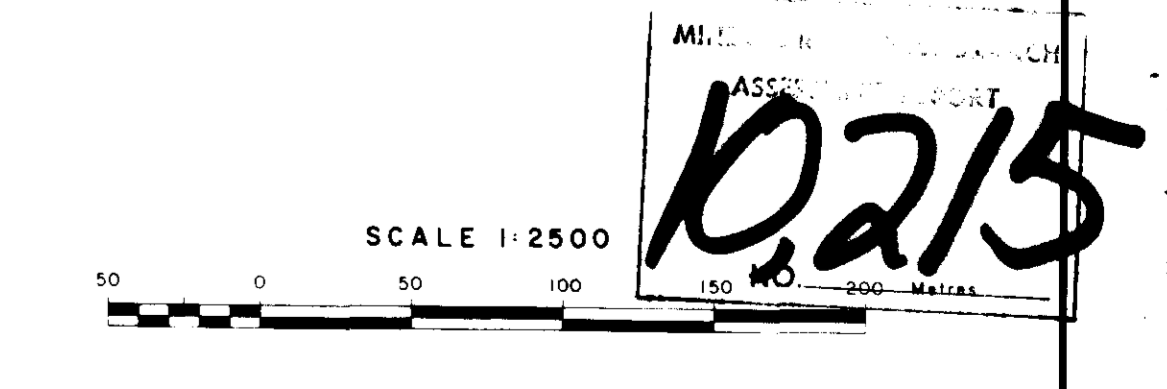
DRAWN BY D.G.	DATE 02-82	N.T.S.	PLAN WC-81
TRACED BY	DATE	92-1-15 W	



- LEGEND:**
- Tertiary**
- 6** BASALT (Plateau) or (Kamloops Group)  
Dark olive green, massive flows  
vesicular, amygdaloid, and feldspar porphyrys
  - 5** CONGLOMERATE, SANDSTONE, SHALE. (Tranquille Beds)  
White bedded, calcareous to non-calcareous  
plus occasional organic detritus
  - 4** FELSIC INTRUSIVE DIKES or STOCKS  
(a) Quartzo-Feldspathic-Granitic  
(b) Syenitic
  - 3** SUBAERIAL VOLCANIC SEQUENCE (Kamloops Group)
    - a) andesite flow-vesicular
    - b) andesite tuff
    - c) andesite breccia-lahar
    - d) dacite-rhyolite tuff/sediment
    - e) dacite-rhyolite breccia-agglo.
- Triassic (Nicola)**
- 2** SEDIMENTS
    - a) Limestone, grey bedded and buff ochre microcrystalline with interbedded grey siltstone
    - b) Cherty carbonate units to siliceous sediments sandstone, siltstone, chert
  - 1** VOLCANICS
    - a) andesite flow or (sill, dike)
    - b) andesite tuff
    - c) andesite breccia-agglo.

- SYMBOLS**
- x OUTCROP-large, small
  - 60° STRIKE AND DIP OF BEDDING
  - 70° JOINTING
  - FAULTING KNOWN
  - FAULTING ASSUMED
  - LITHOLOGICAL CONTACT OBSERVED
  - LITHOLOGICAL CONTACT ASSUMED
  - HOODOO STRUCTURES
  - CLAIM LINE AND POST
- dk dike  
SiO<sub>2</sub> silicification  
chert  
carb carbonate matter  
arg argillite alteration  
bxl brecciated

- MINERALIZATION**
- py pyrite
  - MoS<sub>2</sub> molybdenite
  - cpy chalcopyrite
  - mal malachite
  - Hgs cinnabar
  - mgnt magnetite
  - hem hematite
  - ep epidote
  - CO carbonates
  - zeol zeolites
  - g-o-br gossan-ochre, brown, red
  - Qtz quartz
- DIAMOND DRILL HOLE



**SELCO INC.** EXPLORATION WESTERN CANADA

**DM CLAIM GROUP  
GEOLOGY  
HOODOO GRID**

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