

83-#104 c

# 11257

SUMMARY OF DIAMOND DRILLING

ON THE SASK CLAIMS 1/4

GUICHON EXPLORCO LIMITED

OMINECA AND ~~CARIBOO~~ MINING DIVISIONS

93 K/16E  
54°53, 124°8.5

BRITISH COLUMBIA

Operator Selco Inc.

R. FARMER

JANUARY 20, 1983

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**11,257**

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DIAMOND DRILL RECORDS

IN POCKET

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TABLE 1: DRILL HOLE SUMMARY

SUMMARY OF CONCLUSIONS AND RECOMMENDATIONS

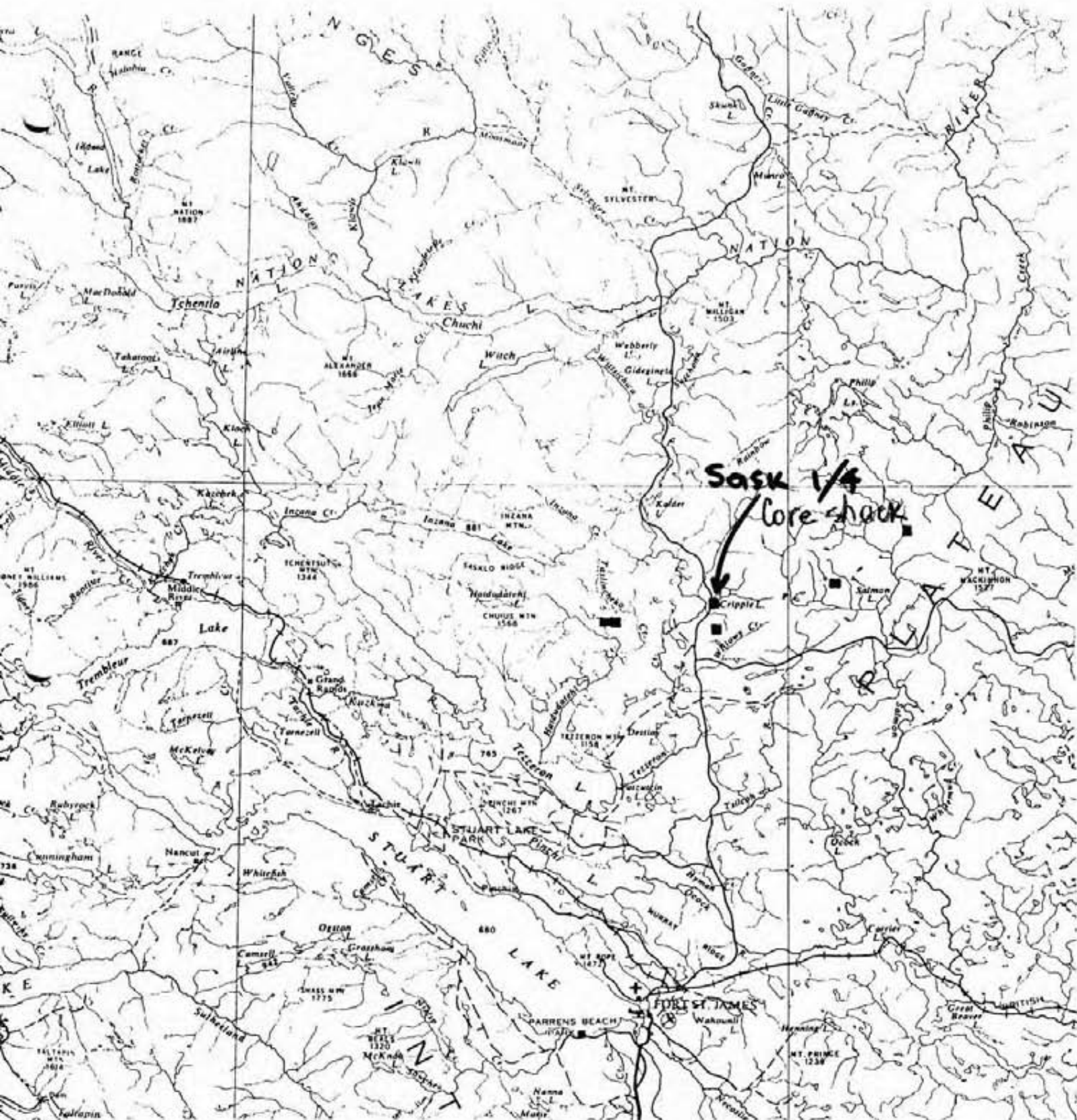
Diamond drilling was carried out to test ground geophysical (EM) anomalies in the Sasklo Ridge - Salmon Lake areas, Omineca and Cariboo Mining division, British Columbia. This six hole program was performed on six separate claim blocks, with a total of 519 meters drilled.

Graphitic conductive zones were intersected in all holes. Copper, lead, zinc, silver and gold values are slightly elevated in several holes, but these values are not considered to be significant. A better insight into the stratigraphy was gained however. A re-assessment of the geological base is recommended prior to further drill testing.

INTRODUCTION

This report describes the results of a six hole drill program conducted on the Sask claims by Guichon Explorco Limited, during October - November, 1982.

Drilling was initiated to test ground geophysical (E.M.) conductors outlined earlier in 1982.



■ LOCATION OF SASK CLAIMS WHICH HAVE BEEN DRILLED

FIGURE 1  
LOCATION MAP OF THE SASK CLAIMS

SCALE: 1:600,000

LOCATION AND ACCESS

The Sask properties are located 56 kilometers north of Fort St. James, B.C. Properties are located between  $54^{\circ} 52'$  and  $54^{\circ} 58'N$  and  $123^{\circ} 45'$  and  $124^{\circ} 20'W$  on NTS maps 93J/13W and 93K/16 (location map, Fig. 1).

Access is via the Fort St. James - Mansen Creek highway with two of the properties located along the highway and the rest being via helicopter access from this.

Elevations in the area vary between 3,000 and 4,000 feet ASL.

Vegetation consists of thick pine and spruce cover at all elevations.

The following is a breakdown of properties drilled. (see Fig. 2).

<u>Drill Hole No.</u>	<u>Claim Group</u>
42-1-1	Sask 9 - 12 (Hereafter referred to as grid 42-1)
42-2-1	Sask 13 - 18 (Hereafter referred to as grid 42-2)
42-3-1	Sask 5 - 8 (Hereafter referred to as grid 42-3)
42-4-1	Sask 1 - 4 (Hereafter referred to as grid 42-4)
42-6-1	Sask 25 - 30 (Hereafter referred to as grid 42-6)
78-1-1	Sask 39 (Hereafter referred to as grid 78-1)

CLAIM STATISTICS

Claims straddle the boundary between the Omineca and Cariboo Mining Divisions and are registered in the name of Guichon Explorco Limited of Toronto. The name and record numbers of mineral claims are as follows:

<u>Claim Name</u>	<u>Record No.</u>	<u>Mining Division</u>	<u>Units</u>	<u>Record Date</u>
Sask 9-12	4447-4450	Omineca	4	November, 1981
Sask <sup>13-18</sup> 9-12	4451-4456	Omineca	6	November, 1981
Sask 5-8	4443-4446	Omineca	4	November, 1981
Sask 1-4	4439-4442	Omineca	4	November, 1981
Sask 25-30	4243-4248	Cariboo	6	November, 1981
Sask 39	4542	Cariboo	4	October, 1982

The area has not been staked previously.



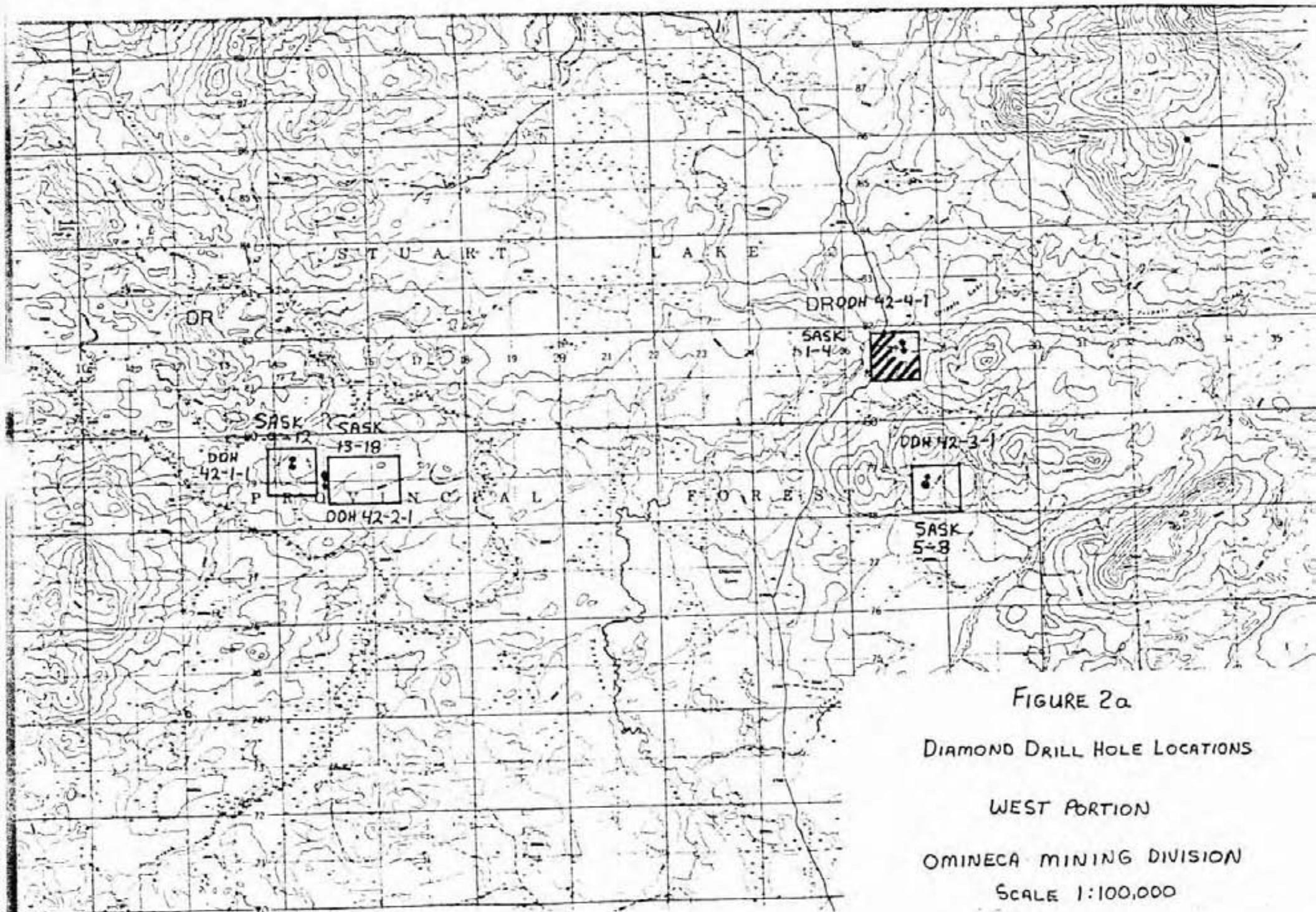


FIGURE 2a

DIAMOND DRILL HOLE LOCATIONS

WEST PORTION

OMINECA MINING DIVISION

SCALE 1:100,000

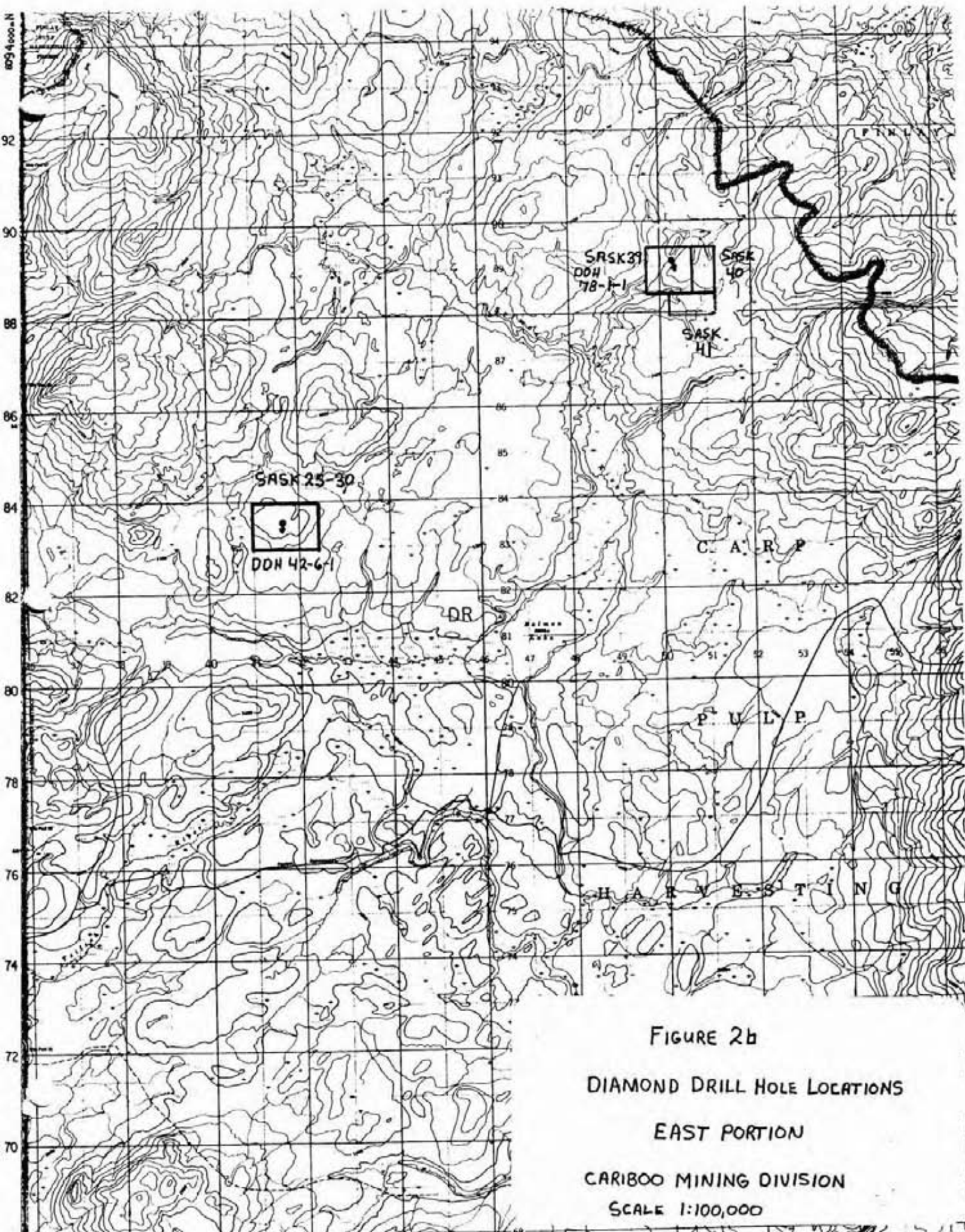


FIGURE 2b

DIAMOND DRILL HOLE LOCATIONS

EAST PORTION

CARIBOO MINING DIVISION

SCALE 1:100,000

DIAMOND DRILLING

During the period from October 26 through to November 13, 1982, six BQ diamond drill holes totalling 519 meters were completed using a diesel powered Longyear Super 38 rig. A caterpillar D6 bulldozer was used to haul the drill to the first two sites, to clear the first two sites, and to clear 365 meters of trail for waterline. A Bell 205 was employed to move the drill to the remaining four sites. Shift changes were performed utilizing a Bell 206B. Jetranger.

Drilling of the Sask properties was contracted out to Frontier Drilling of Winfield B.C.

DRILLING RESULTS

In this section drilling results will be discussed on a hole by hole basis:  
A total of 519 meters were drilled in six holes.

Selected sections from some of the holes were split and assayed for Cu, Pb, Zn, Ag, Au. The remainder of the core was chipped over 2 meter core length intervals and analysed for Cu, Pb, Zn, Ag, Au. All samples were sent to Chemex Labs Ltd. of Vancouver. The assays were reported in oz/T and converted to gms/T.

DDH Hole #42-1-1

<u>GRID COORDINATES</u>	<u>AZIMUTH/DIP</u>	<u>DEPTH</u>
L3E-2+50N	180 <sup>o</sup> /-70 <sup>o</sup>	68.58m.

The hole was abandoned at 68.58 meters in black graphitic sand because of caving conditions and insufficient casing to carry on. The hole encountered 30.7 meters of overburden, followed by 7 meters of black argillite (probably float). 30.8 meters of black sand were drilled prior to abandonment. The sand seems to be slightly graphitic, and consist of fragments of black shale with little or no matrix. Minor disseminated pyrite was also observed.

Highest geochemical values occur within the sand and were: Cu 133ppm; Pb 22ppm, Zn 450ppm, Ag 3.5ppm and, Au 130ppb.

The black sand is likely the cause of the E.M. conductor.

TABLE 1  
DRILL HOLE SUMMARY

HOLE	AZIMUTH/DIP	DEPTH	OVERBURDEN DEPTH	CONDUCTOR	DEPTH TO CONDUCTOR	COMMENTS
42-1-1	180°/-70°	68.58m	36m	Graphitic Sand	36m to end of hole	Hole abandoned at 68.58m due to caving conditions
42-2-1	195°/-50°	91.25m	58m	Chert 5% Py + Po	79.9m to 84.5m	
42-3-1	040°/-60°	86.8m	12.4m	Graphitic Shale	26m to EOH intermittently	Hole drilled down Dip.
42-4-1	180°/-50°	91.4m	13.6m	Graphitic Argillite, Py +Po	66m-74.5m	Minor sphalerite associated with Alkaline Dykes.
42-6-1	175°/-50°	89.0m	27.5m	Graphitic Shale	35m-46m	
78-1-1	165°/-55°	92.35m	43m	Graphitic Shale	55m-59.6m	Felsic Meta Sediments in lower portion of hole.

Hole 42-2-1

<u>GRID COORDINATES</u>	<u>AZIMUTH/DIP</u>	<u>DEPTH</u>
L1W 0+15N	195°/-50°	91.25m.

This hole intersected 58.8 meters of overburden followed by black shale, a maficalkaline flow, black argillite, grey to black chert and, ends in black shale. The chert contains up to 5% pyrite + pyrrhotite and is likely the source of the conductor. Geochemical values do not rise significantly above background.

Hole 42-3-1

<u>GRID COORDINATES</u>	<u>AZIMUTH/DIP</u>	<u>DEPTH</u>
L11W 1+25N	040°/60°	86.8m

After penetrating 12 meters of overburden approximately 15 meters of coarse sedimentary breccia were encountered. Both sedimentary and volcanic clasts occur within the breccia, a few of the volcanic ones being rhyolitic. The remainder of the hold consists of black graphitic shale which contains highly graphitic sections, explaining the E.M. conductor.

Stratigraphic relations and contact angles indicate that the hole was drilled down dip.

Within the shale are numerous, thin intercalations of coarse breccia which contains considerable pyrite occurring as sulphide clasts.

Hole 42-4-1 ✓

<u>GRID COORDINATES</u>	<u>AZIMUTH/DIP</u>	<u>DEPTH</u>
L6E-100N	180°/50°	91.44m.

Underlying a casing length of 14.2 meters of overburden, nearly the entire hole consists of a repetitive sequence of cherty and non-cherty black argillite. Pyrite and pyrrhotite occur throughout the hole as disseminations, fracture fillings and thin coatings on fracture surfaces. Within the bottom third of the hole sulphide contents reach 5-7% and the argillite is also graphitic, which explains the conductor. Thin alkaline dykes, locally with chilled margins occur throughout the hole. These were assayed and the highest values occurred in the uppermost one; Cu 0.02%, Zn 0.63%, Ag 4.06 gms/T and, Au 0.09 gms/T over a meter.

The bottom meter of the hole penetrated a sedimentary breccia similar to that in hole 42-3-1 except with a greater black shale component and fewer volcanic fragments.

Hole 42-6-1

<u>GRID COORDINATES</u>	<u>AZIMUTH/DIP</u>	<u>DEPTH</u>
L6E 0+15S	170°/-50°	89.00m.

Casing depth of overburden is 27.4 meters. Most of the hole below this consists of intercalated black shale and fine to medium grained limy wacke. Both units have sulphide contents (pyrite + pyrrhotite) ranging from 1 to 4%. Certain sections which correspond with the projected surface trace of the conductor, are also graphitic. The bottom eight meters of the hole consists of mafic alkaline flows and volcanoclastics. Geochemical values do not rise significantly above background.

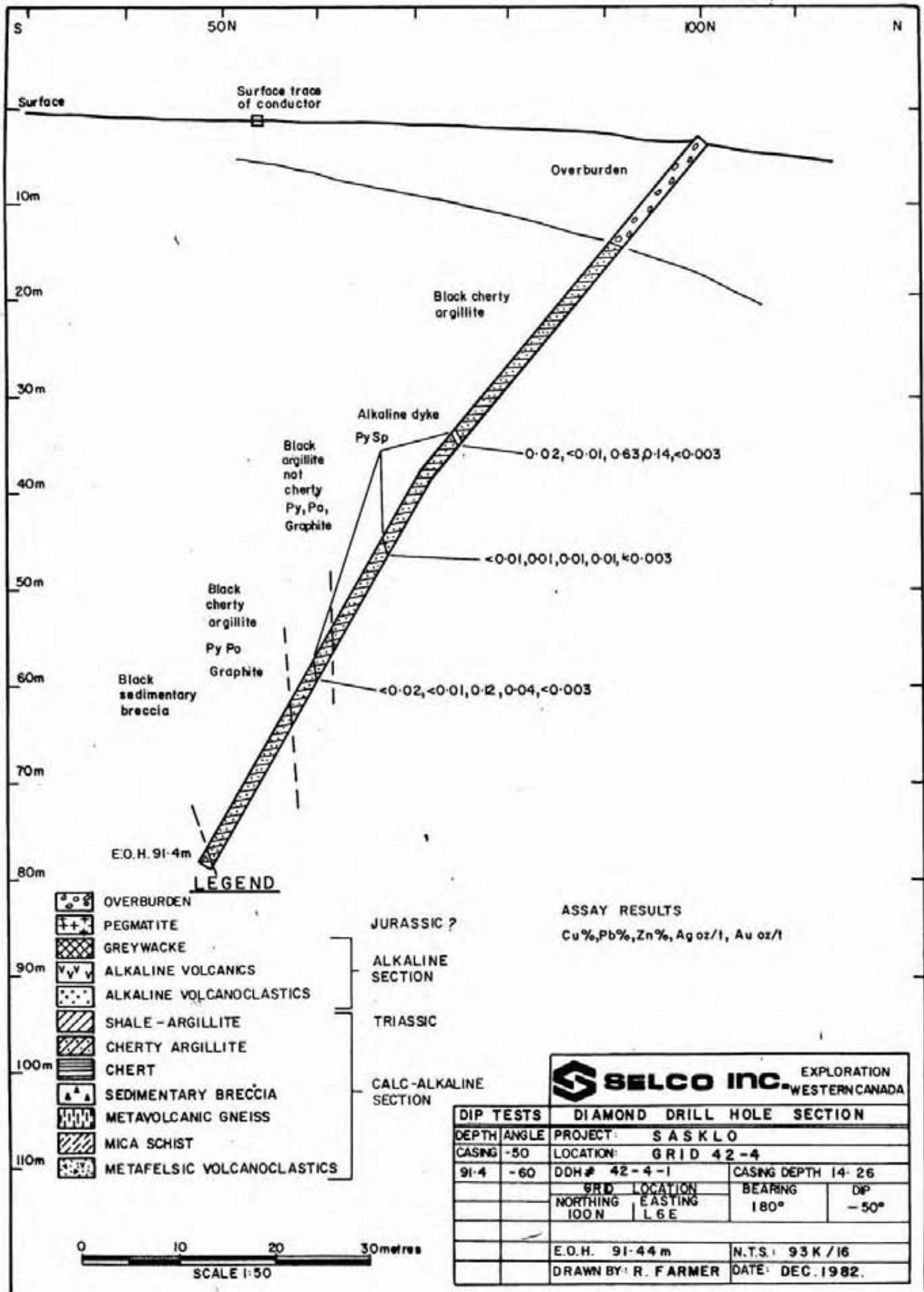
Hole 78-1-1

<u>GRID COORDINATES</u>	<u>AZIMUTH/DIP</u>	<u>DEPTH</u>
L8N 240W	165°/-55°	92.35m.

Casing depth of overburden is 42.6 meters. Below this is a somewhat repetitive sequence of schistose and gneissic rock, intruded throughout by coarse pegmatite dykes. Some of the mica schists are garnetiferous and undoubtedly metasediments, whereas other rocks are possibly metavolcanics of intermediate to felsic composition. Near the bottom of the hole are several thin sections of grey coloured clastic rocks, which may represent acid metavolcanoclastics. The conductor occurs about halfway down the hole and consists of a black graphitic shale containing 1-2% disseminated pyrite. This section was assayed with highest values being copper 0.01%, lead 0.01% zinc 0.09%, silver 5.625 gms/T and gold 1.06 gms/T.

There is no apparent alteration in rock from any of the holes.





**LEGEND**

- OVERBURDEN
- PEGMATITE
- GREYWACKE
- ALKALINE VOLCANICS
- ALKALINE VOLCANOCLASTICS
- SHALE - ARGILLITE
- CHERTY ARGILLITE
- CHERT
- SEDIMENTARY BRECCIA
- METAVOLCANIC GNEISS
- MICA SCHIST
- METAFELSIC VOLCANOCLASTICS

JURASSIC ?

ALKALINE SECTION

TRIASSIC

CALC-ALKALINE SECTION

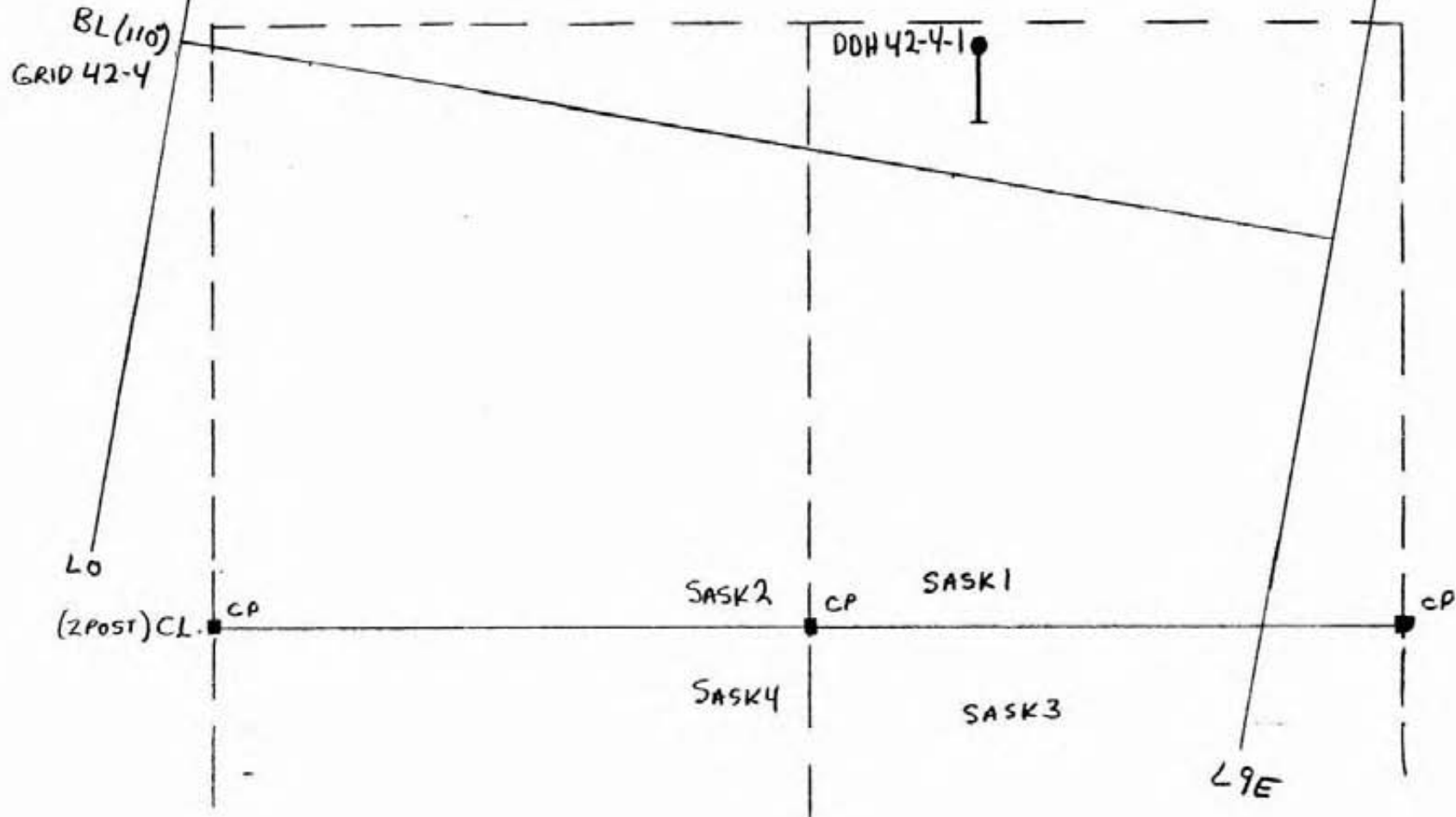
ASSAY RESULTS  
 Cu%, Pb%, Zn%, Ag oz/t, Au oz/t



DIP TESTS		DIAMOND DRILL HOLE SECTION			
DEPTH	ANGLE	PROJECT: SASKLO			
CASING	-50	LOCATION: GRID 42-4			
91.4	-60	DDH #	42-4-1	CASING DEPTH 14.26	
		GRID LOCATION		BEARING	DIP
		NORTHING	EASTING	180°	-50°
		100N	16E		
		E.O.H. 91.44 m		N.T.S.: 93K/16	
		DRAWN BY: R. FARMER		DATE: DEC. 1982.	



DRILL HOLE LOCATIONS  
HOLE 42-4-1  
SCALE 1:5000  
SEE FIGURE 2a



### CONCLUSIONS AND RECOMMENDATIONS

Drilling of ground E.M. conductors within the Sasklo-Phillip Lakes area confirmed that all are the result of graphitic sediments, with minor associated pyrite and pyrrhotite. None of the holes returned significant values of Cu, Pb, Zn, Ag or Au.

A useful insight into the stratigraphy has been obtained from the drilling however. Although all conductors are the result of graphitic sediments, two separate graphitic horizons have been tentatively recognized; one belonging to the calc-alkaline sequence and one to the alkaline sequence of rocks. Distinction between the two is difficult and based primarily upon enclosing lithologies.

The stratigraphy is presently viewed as:

- 1) A calc-alkaline sequence consisting of a thin to moderately thick basalt sequence overlain by a thick sedimentary sequence. The sedimentary sequence consists largely of; black shale and argillite, locally cherty and graphitic; and lesser felsic volcanics and associated, felsic derived sediments. This section is unconformably overlain by:
- 2) An alkaline sequence consisting of intercalated alkaline volcanics, black, non-cherty shales and argillites which are locally graphitic, and a calcareous to non-calcareous greywacke. The shales and argillites seem to occur throughout the alkaline sequence, whereas volcanics are restricted to the lower portion and greywacke to the upper portion.

CONCLUSIONS AND RECOMMENDATIONS (Con't)

Complicating this model are alkaline intrusions which have juxtaposed alkaline and calc-alkaline sections around areas of intrusion (i.e. Cripple Lake).

Areas of felsic sedimentation, (i.e. chert-bearing sedimentary breccias and quartzose lithic sediments) may be useful in helping to delineate areas which may contain felsic volcanic piles, as these sediments are considered to be deposited proximal to the felsic piles. Areas containing felsic sediments and, therefore, possibly felsic volcanics are;

- a) the area near grid 78-1 and,
- b) the Tachie road area to the west.

These areas, and known conductors associated with them should be given priority on future work.

Black shale sediments contain narrow bands of semi massive pyrite and pyrrhotite and breccia bands in hole 42-3-1 contain sulphide clasts. The possibility of greater concentrations of sulphide in the shale seems good.

A re-examination of the geological base and present airborne data is required, prior to any further drill testing.

COST STATEMENT

1.	Contract Drilling incl. consumable materials (as per invoice No. 8207-1) 8207-2)	21,012.71 <u>32,360.23</u>	53,372.94
2.	Helicopter Charter for drill moves, crew to cut pads and shift changes (as per invoice)		46,568.63
3.	Core logging, sampling Report Preparation  12 days @ \$120.00 per day		1,440.00
4.	Transportation Truck lease - 3weeks @ \$125.00 per week Vehicle operation 21 days @ \$25.00 per day		375.00 525.00
5.	Contract Supervision 20 days @ \$65.00 per day		1,300.00
6.	Drafting 3 days @ \$160.00 per day		480.00
7.	Assays and Geochemical analyses 18214399 18214490 18214400 18214489	683.10 694.48 77.62 <u>155.25</u>	<u>1,610.45</u>
		TOTAL	<u><u>105,671.92</u></u>

ALLOCATION OF EXPENDITURES

As the drilling was carried out on six separate claim blocks the following is a breakdown of the total cost from the previous page into amounts to be allocated to each claim block:

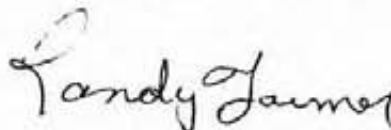
a)	Sask 1 Group Sask 1-4, 4 Units	<i>IEK</i>	\$ 9,855.32
b)	Sask 5 Group Sask 5-8, 4 Units		9,855.32
c)	Sask 9 Group Sask 9-12, 4 Units		21,490.32
d)	Sask 13 Group Sask 13-18, 6 Units		21,490.32
e)	Sask 25 Group Sask 25-30, 6 Units		21,490.32
f)	Sask 39 Group Sask 39-41, 8 Units		21,490.32
		TOTAL	<u>\$105,671.92</u>

CERTIFICATE

I, Randy Farmer, of #409, 615 St. Georges Avenue, North Vancouver, B.C.  
hereby certify as follows:

1. I am a geologist residing at the above address.
2. I am a graduate of Lakehead University, Thunder Bay, Ontario with an Honours B.Sc. (1980).
3. I have practised my profession for more than 2 years.
4. I supervised the diamond drilling on the Sask Group and interpreted the results described herein.
5. I hold no interest direct or indirect in the Sask Group of Claims which are the subject of this report.

Respectively submitted,



R. Farmer

Project Geologist

Vancouver, B.C.

January 20, 1983

CERTIFICATE

I, Hugh Squair, of 4287 Staulo Crescent, Vancouver, British Columbia 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 a B.A. 1959 and PhD. 1965, degrees in Geology and Mining Geology and have practised my profession for 16 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 Sask Claims by Mr. R. Farmer and attest that the information and geochemical values presented here are correct within reasonable limits of error.
5. I hold no interest, direct or indirect, in the Sask Claims which are the subject of this report.

Vancouver, B.C.  
January 20, 1983



Respectively submitted,

Hugh Squair



APPENDIX

1. CERTIFICATE OF ANALYSES
2. DIAMOND DRILL HOLE LOGS



# 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. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

NOV. 18 1982

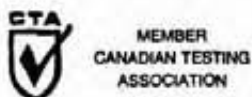
CERT. # : A8214399-001-A  
INVOICE # : I8214399  
DATE : 18-NOV-82  
P.O. # : NONE  
10135

ATTN: H. SQUAIR

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au	FA+AA ppb	
9619	205	71	2	118	0.3		10	--
9620	205	71	6	106	0.2		5	--
9621	205	81	61	123	0.2		5	--
9622	205	82	8	144	0.2		5	--
9623	205	133	19	137	0.4		5	--
9624	205	97	17	138	0.2		10	--
9625	205	71	5	187	0.4		5	--
9626	205	74	19	132	0.3		<5	--
9627	205	55	6	210	1.3		10	--
9628	205	44	16	150	1.2		5	--
9629	205	45	7	175	1.9		15	--
9630	205	45	8	168	1.6		5	--
9631	205	52	6	200	1.9		10	--
9632	205	92	10	200	2.8		5	--
9633	205	38	4	153	1.4		5	--
9634	205	74	8	225	2.1		10	--
9635	205	76	11	260	2.2		15	--
9636	205	67	11	210	1.8		10	--
9637	205	51	6	147	1.7		15	--
9638	205	42	3	171	1.4		5	--
9639	205	47	12	139	1.8		10	--
9640	205	101	11	179	2.6		20	--
9641	205	40	7	136	1.7		<5	--
9642	205	54	6	183	2.4		15	--
9643	205	82	10	240	3.6		20	--
9644	205	59	21	174	1.9		10	--
9645	205	55	9	78	1.1		<5	--
9646	205	56	13	149	2.3		5	--
9647	205	47	12	290	2.2		5	--
9648	205	76	10	220	3.2		10	--
9649	205	85	9	69	1.0		10	--
9650	205	72	7	87	0.8		5	--
9651	205	78	7	69	0.9		5	--
9652	205	106	10	46	1.4		5	--
9654	205	74	5	71	0.9		<5	--
9655	205	75	7	42	1.3		5	--
9656	205	64	5	59	1.0		<5	--
9657	205	69	3	45	0.7		<5	--
9659	205	88	16	46	1.3		<5	--
9660	205	83	8	31	1.0		10	--

DDH  
42-3-1

DDH  
42-4-1



Certified by *Hart Bichler*



# 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

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TO : SELCO MINING CORPORATION LTD.

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

NOV. 18 1982

CERT. # : A8214399-002-A  
INVOICE # : 18214399  
DATE : 18-NOV-82  
P.O. # : NONE  
10135

ATTN: H. SQUAIR

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	FA+AA ppb	
9661	205	92	7	37	1.0		10	--
9662	205	100	10	68	1.3		5	--
9663	205	85	13	169	0.9		10	--
9665	205	70	12	71	0.5		5	--
9666	205	81	9	119	0.8		5	--
9667	205	80	7	480	0.6		5	--
9668	205	80	9	65	0.9		10	--
9669	205	83	5	90	1.1		10	--
9670	205	82	5	92	1.0		5	--
9671	205	58	6	189	0.6		5	--
9672	205	71	8	420	0.8		5	--
9673	205	81	6	153	0.7		5	--
9674	205	78	5	129	0.7		<5	--
9675	205	78	5	18	0.7		5	--
9676	205	51	4	16	0.5		5	--
9677	205	100	22	450	2.4		25	--
9678	205	77	12	210	2.5		20	--
9679	205	132	11	335	3.3		30	--
9680	205	133	13	320	3.5		130	--
9681	205	124	12	330	3.4		30	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by ... *Hart Bichler* ...



# CHEMEX LABS LTD.

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

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

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## CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

NOV 29 1982

CERT. # : A8214490-001-A  
INVOICE # : I8214490  
DATE : 26-NOV-82  
P.O. # : NONE  
SASK

ATTN: H. SQUAIR & R. FARMER

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au FA+AA ppb		
DDH 42-2-1	9682	205	93	24	210	1.5	5	--
	9683	205	85	70	159	0.8	5	--
	9684	205	86	4	97	0.3	5	--
	9685	205	87	5	101	0.3	<5	--
	9686	205	73	9	175	1.7	15	--
	9687	205	51	7	169	0.9	5	--
	9688	205	62	9	215	1.1	5	--
	9689	205	63	6	171	0.7	5	--
	9690	205	69	7	177	0.8	5	--
	9691	205	71	20	210	2.0	15	--
DDH 42-6-1	9692	205	79	14	290	1.2	<5	--
	9801	205	58	4	125	0.1	5	--
	9802	205	64	12	90	0.1	5	--
	9803	205	54	13	108	0.1	<5	--
	9804	205	35	2	68	0.1	55	--
	9805	205	46	7	84	0.1	30	--
	9806	205	57	19	112	0.7	10	--
	9807	205	69	12	121	0.3	<5	--
	9808	205	54	9	117	0.3	5	--
	9809	205	65	8	146	0.5	5	--
	9810	205	41	8	109	0.2	<5	--
	9811	205	76	4	93	0.1	<5	--
	9812	205	93	1	92	0.1	5	--
	9813	205	107	3	106	0.1	15	--
	9814	205	46	7	74	0.1	<5	--
	9815	205	64	14	117	0.1	15	--
	9816	205	67	9	126	0.1	5	--
	9817	205	70	8	113	0.4	5	--
	9818	205	61	4	68	0.1	5	--
	9819	205	77	5	70	0.1	5	--
9820	205	81	7	75	0.1	<5	--	
9821	205	25	4	51	0.1	<5	--	
9822	205	81	14	60	0.1	<5	--	
9823	205	81	8	67	0.1	<5	--	
9824	205	92	16	68	0.1	<5	--	
9825	205	83	12	75	0.1	<5	--	
9826	205	74	11	82	0.1	<5	--	
9827	205	78	4	56	0.1	<5	--	
9828	205	83	5	60	0.1	<5	--	
9829	205	95	7	67	0.1	<5	--	

*Hart Buchler*

Certified by .....





# 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. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

NOV 29 1982

CERT. # : A8214490-002-A  
INVOICE # : I8214490  
DATE : 26-NOV-82  
P.O. # : NONE  
SASK

ATTN: H. SQUAIR & R. FARMER

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	FA+AA ppb	
42-6-1	9830	205	96	25	94	0.3	5	--
	9831	205	59	2	65	0.1	5	--
	9832	205	75	113	118	0.6	5	--
	9833	205	96	9	89	0.1	<5	--
	9834	205	100	8	86	0.1	10	--
	9835	205	87	9	88	0.1	5	--
	9836	205	83	7	71	0.1	5	--
	9837	205	81	7	73	0.1	5	--
	9838	205	15	5	75	0.1	5	--
	9839	205	9	15	29	0.1	5	--
78-1-1	9840	205	30	20	205	0.1	<5	--
	9841	205	12	16	110	0.1	5	--
	9845	205	16	16	28	0.1	5	--
	9846	205	20	7	56	0.1	5	--
	9847	205	13	6	31	0.1	5	--
	9848	205	17	12	60	0.1	5	--
	9849	205	31	11	78	0.1	5	--
	9850	205	27	12	77	0.1	<5	--
9851	205	17	18	48	0.1	<5	--	
9852	205	18	31	50	0.1	<5	--	
9853	205	16	4	49	0.1	<5	--	

Certified by *Hart Buchler*





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CANADA V7J 2C1

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

NOV 16 1982

CERT. # : A8214400-001-A

INVOICE # : 18214400

DATE : 15-NOV-82

P.O. # : NONE

10135

SASKLO

ATTN: H. SQUAIR

Sample description	Prep code	Cu %	Pb %	Zn %	Ag FA oz/T	Au FA oz/t	
9653 } DDH	207	0.02	<0.01-	0.63	0.14	<0.003	--
9658 } 42-4-1	207	<0.01	0.01	0.10	0.10	<0.003	--
9664 }	207	0.02	<0.01	0.12	0.04	<0.003	--

.....  
Registered Assayer, Province of British Columbia



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

NOV 23 1982

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

CERT. # : A8214489-001-A  
INVOICE # : 18214489  
DATE : 22-NOV-82  
P.O. # : NONE  
SASK

ATTN: H. SQUAIR & R. FARMER

Sample description	Prep code	Cu %	Pb %	Zn %	Ag FA oz/T	Au FA oz/t	
9842	207	0.01	0.01	0.09	0.18	0.034	--
9843	207	0.01	<0.01	0.04	0.08	0.020	--
9844	207	0.02	0.01	0.03	0.13	0.012	--
9854	207	0.01	0.02	0.02	0.08	0.005	--
9855	207	<0.01	0.01	0.01	0.06	0.003	--
9856	207	<0.01	<0.01	0.01	0.04	<0.003	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

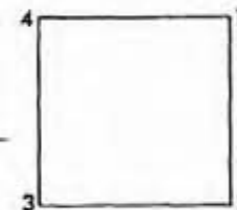
*[Signature]*  
.....  
Registered Assayer, Province of British Columbia

# DIAMOND DRILL RECORD

HOLE NO. 42-4-1  
 SHEET NO 1  
 LOCATION L6E-100N

PROPERTY SASK 1-4

BEARING 180°  
 DIP COLLAR -50°



ELEVATION 884 m ASL  
 TOTAL DEPTH 91.40 m  
 CORE SIZE BQ

STARTED Oct.29/82 COMPLETED Oct.31/82

METERS FROM	METERS TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOV- ERED	ASSAYS				REMARKS
								ppm Cu	ppm Zn	ppb Au	ppm Ag	
0	14.26	Overburden										Casing angle - 50°
14.26	28.96											
28.96	36.27	Fine black cherty argillite. Contains 6-10% sulphide (pyrite) occurring as disseminations, fracture fillings and as patches, often as thin films on fracture or joint surfaces. Probably calc-alkaline derived sediment.	9649	28.96		2		85	69	10	1.0	
			9650		36.27	1.7	51%	72	87	5	0.8	
36.27	39.72	Same cherty black argillite. Here contains narrow (2-3 cm) intercalations of coarser greyish sediment (2 intercalations per meter). 6-8% sulphide. Same mode of occurrence as above. Consists of pyrite and pyrrhotite.	9651	36.27		2		78	69	5	0.9	
			9652		39.72	0.9	84%	106	46	5	1.4	Contact angles to core axis.
39.72	40.34	Section consists of same black argillite, not as cherty as before, intruded by fine to medium grained alkaline dyke. Dyke composed of large number of equiangular amphibolite phenocrysts. Contains 2-3% sulphide consisting of disseminated and fracture fill pyrite and very	9653	39.72	40.34	0.56	90%	0.02	0.63	0.003	0.14	Assay

GEOLOGICAL BRANCH ASSESSMENT REPORT

11,257





## DIAMOND DRILL RECORD

HOLE NO. 42-4-1

PROPERTY \_\_\_\_\_

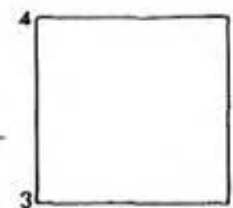
SASK 1-4

SHEET NO 3

BEARING \_\_\_\_\_

LOCATION \_\_\_\_\_

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



ELEVATION \_\_\_\_\_

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

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

STARTED \_\_\_\_\_

COMPLETED \_\_\_\_\_

METERS FROM	METERS TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOV- ERED	ASSAYS				REMARKS
								ppm Cu	ppm Zn	ppb Au	ppm Ag	
64.61	67.42	Similar fine grained argillite. Here grey in colour and <u>not</u> cherty. Also highly invaded by carbonate stringers (30 per meter).	9663	64.61	67.42	2	71%	85	169	10	0.9	
								%	%	oz/t	oz/t	
67.42	67.76	Alkaline intrusive same as others (i.e. amphibole + feldspar laths). 5-10% sulphides - pyrite & minor sphalerite.	9664	67.42	67.76	0.26	76%	0.02	0.12	0.003	0.04	Assay. Split & assay.
67.76	72.08	Black argillite. Here is <u>not</u> cherty. Softer (i.e. breaks or powders easily) 1-2% dissem. pyrite + minor pyrrhotite. Also minor dissem. and fracture coatings of graphite. Carbonate stringers 10-15 per meter.	9665	67.76	72.08	1.6	37%	70	71	5	0.5	
72.08	72.18	Alkaline intrusive same as (67.42-67.76). 3-5% disseminated sulphide (pyrite). No visible zinc this time. Contacts not observable.		72.08	72.18	0.08	80%					
72.18	73.01	Same as 67.76-72.08. Same sulphide and graphite content. 15-20 carbonate stringers per meter.	9666	72.18	73.01	0.73	88%	81	119	5	0.8	

DRILLED BY \_\_\_\_\_

SIGNED \_\_\_\_\_

Randy Larmer

## DIAMOND DRILL RECORD

HOLE NO. 42-4-1

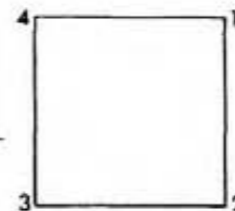
PROPERTY SASK 1-4

SHEET NO 4

BEARING

LOCATION

DIP COLLAR



ELEVATION

TOTAL DEPTH

CORE SIZE

STARTED

COMPLETED

METERS		DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOVERED	ASSAYS				REMARKS
FROM	TO							ppm Cu	ppm Zn	ppb Au	ppm Ag	
73.01	73.13							Small section of alkaline intrusive same as others, 10% sulphide - only pyrite visible. Contact angle about 30° to core axis - contact broken up.		73.01	73.13	
73.13	78.63	Black argillite, once again cherty. 2-3% sulphide, mostly pyrite, minor pyrrhotite. Occurs as disseminations and fracture fillings, and locally occurs as narrow, roughly linear bands at high angle to core axis, perhaps parallel to stratigraphy? Section contains quartz carbonate stringers (up to 10 per meter).	9667	73.13		2		80	480	5	0.6	
			9668			2		80	65	10	0.9	
			9669		78.63	0.6	84%	83	90	10	1.1	
78.63	81.55	Black shaly argillite. Section very ground up. Core has the appearance of a black lumpy mud. Material easily rolls into a ball in fingers. Little visible sulphide <1%. Section appears to be somewhat graphitic, however, few quartz or carbonate stringers present.	9670	78.63	81.55	0.86	29%	82	92	5	1.0	

SIGNED

*Randy Farmer*

# DIAMOND DRILL RECORD

SASK 1-4

HOLE NO. 42-4-1

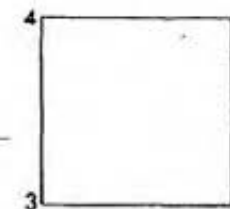
PROPERTY \_\_\_\_\_

SHEET NO 5

BEARING \_\_\_\_\_

LOCATION \_\_\_\_\_

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



ELEVATION

TOTAL DEPTH

CORE SIZE

STARTED

COMPLETED

METERS FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	CORE LENGTH	CORE RECOV- ERED	ASSAYS				REMARKS
								ppm Cu	ppm Zn	ppb Au	ppm Ag	
81.55	90.52	Dark grey to black shaly argillite, somewhat cherty (not so much as previously). Sulphide content about 1%, nearly all of which occurs as pyrite filling fine fractures. 15-20 carbonate and quartz carbonate fractures per meter, generally <1 cm wide except for one section $\approx$ 10 cm wide.	9671	81.55		2		58	189	5	0.6	
			9672			2		71	420	5	0.8	
			9673			2		81	153	5	0.7	
			9674			1.5		78	129	<5	0.7	
			9675		90.52	1.14	96%	78	18	5	0.7	
90.52	91.44	Black sedimentary breccia. Clasts and matrix same composition. Little matrix. Clasts very angular. 1-3% sulphide, pyrite + pyrrhotite occurring essentially as fracture fillings.	9676	90.52	91.44	0.78	85%	51	16	5	0.5	
		END										ACID TEST 60°

DRILLED BY \_\_\_\_\_

SIGNED

*Randy Jarney*