

85-470-14326
07/86

ASSESSMENT REPORT

ON THE

MATSON CLAIMS

RECORD NOS. 849-854(7) 2453-2458(6)

MISSION RIDGE - CARPENTER LAKE, BRITISH COLUMBIA

Centered near: Latitude 50.77 Deg. N: Longitude 122.21 Deg. W

(NTS: 92J/16E)

LILLOOET MINING DIVISION

for

ODESSA EXPLORATIONS INC.
Suite 1670
609 Granville Street
P.O. Box 103144
Vancouver, British Columbia
V7Y 1G5

FILMED

by

NORMAND CHAMPIGNY, M.A.Sc., P. Eng. (B.C.)

July 18, 1985

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,326

07/86

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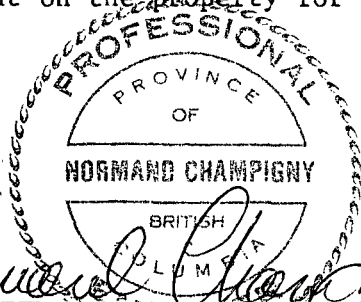
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SUMMARY

The MATSON Claims consisting of 12 unpatented lode mining claims are located 58 km west of the town of Lillooet, in the Lillooet Mining Division, British Columbia. A 15 m long Adit and four small surface pits were completed by Paul Matson in the 1940's. Economic Pb-Zn-Ag-Au mineralization occurs in quartz-calcite-galena-sphalerite-arsenopyrite-pyrite veins cutting sedimentary rocks of the Bridge River Group. The writer visited the property on June 7, 8 and 9, 1985 and performed the following work.

1. Contouring and re-interpretation of the 1967 soil geochemical data.
2. Lithochemical sampling and assaying, 19 samples.
3. Geological mapping over an area of 0.25 square km.
4. Analysis:
 - 19 Rock samples - analysed for Pb, Zn, Ag, and Au
 - 2 Rock samples - analysed for Cd, Co, and Bi.

A total of \$ 4,300.82 has been spent on the property for the 1984-1985 assessment year.


Normand Champigny
Normand Champigny, M.A.Sc., P. Eng. (B.C.)
July 18 1985, Vancouver, B.C.

INTRODUCTION

This report was prepared at the request of Odessa Explorations Inc. Inc., a mineral exploration company based in Vancouver, British Columbia. The writer visited the property on in July 1981, July 1984, and on June 7 to 9, 1985.

LOCATION, ACCESS AND PHYSIOGRAPHY

The prospect consists of 12 unpatented lode mining claims, and is located about 58 km west of the town of Lillooet, British Columbia (Fig. 1). The claims are accessible from Lillooet by Road No. 40 to Mission Dam (44 km), and then to Mission Pass (12 km). There is a well maintained gravel road heads east and up hill. This road parallels the B.C. Hydro transmission line and comes to within 650 m of the southern limit of the property at a point 1.2 km from the junction with road No 40. A foot path of about 1.3 km leads to the Adit.

The property is situated 4.5 km north of Shalalth, and the B.C. Rail railway track. The claims lie on the top of Mission Ridge. Elevation on the property ranges from 1400 m to 1950 m with an average slope angle of 25 degrees. Bedrock is well exposed on the MATSON claims. Overburden thickness varies from 0 to 1.5 m.

CLAIMS

The MATSON claims have been staked in one contiguous group. Information on file with the Mining Recorder at the office of the Government Agent at Vancouver, British Columbia is as follows:

<u>CLAIM NAME</u>	<u>RECORD NO</u>	<u>MAP NO</u>	<u>RECORDED AT</u>
MATSON 1	849	92J/16E	Lillooet, B.C.
MATSON 2	850	92J/16E	Lillooet, B.C.
MATSON 3	851	92J/16E	Lillooet, B.C.
MATSON 4	852	92J/16E	Lillooet, B.C.
MATSON 5	853	92J/16E	Lillooet, B.C.
MATSON 6	854	92J/16E	Lillooet, B.C.
MATSON 7	2453	92J/16E	Lillooet, B.C.
MATSON 8	2454	92J/16E	Lillooet, B.C.
MATSON 9	2455	92J/16E	Lillooet, B.C.
MATSON 10	2456	92J/16E	Lillooet, B.C.
MATSON 11	2457	92J/16E	Lillooet, B.C.
MATSON 12	2458	92J/16E	Lillooet, B.C.

The location of the MATSON Claims is shown on Figure 2.

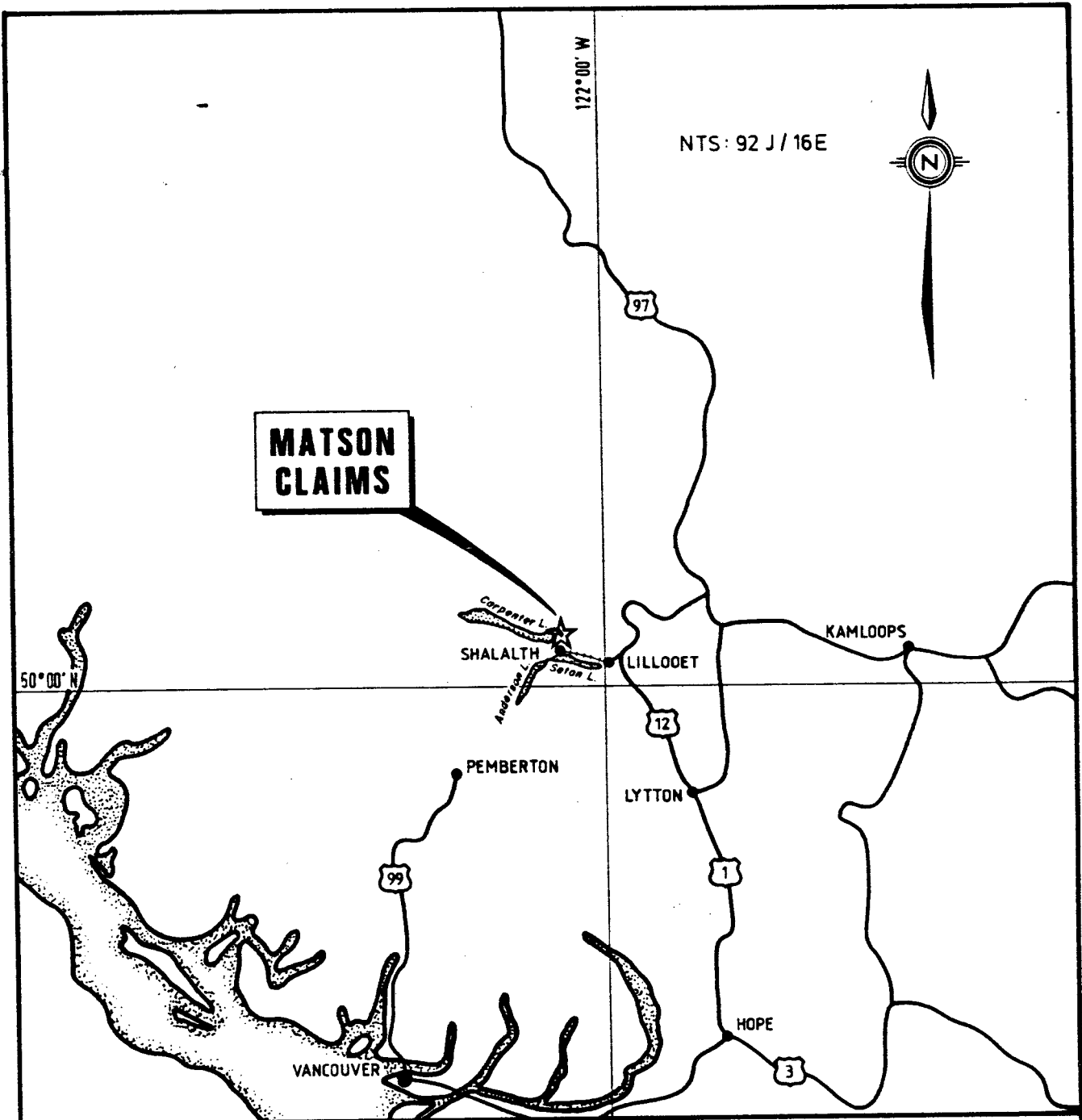
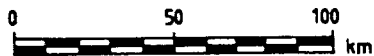


FIGURE 1

**LOCATION MAP
OF THE MATSON CLAIMS
LILLOOET MINING DIVISION, B.C.**

1:240,000



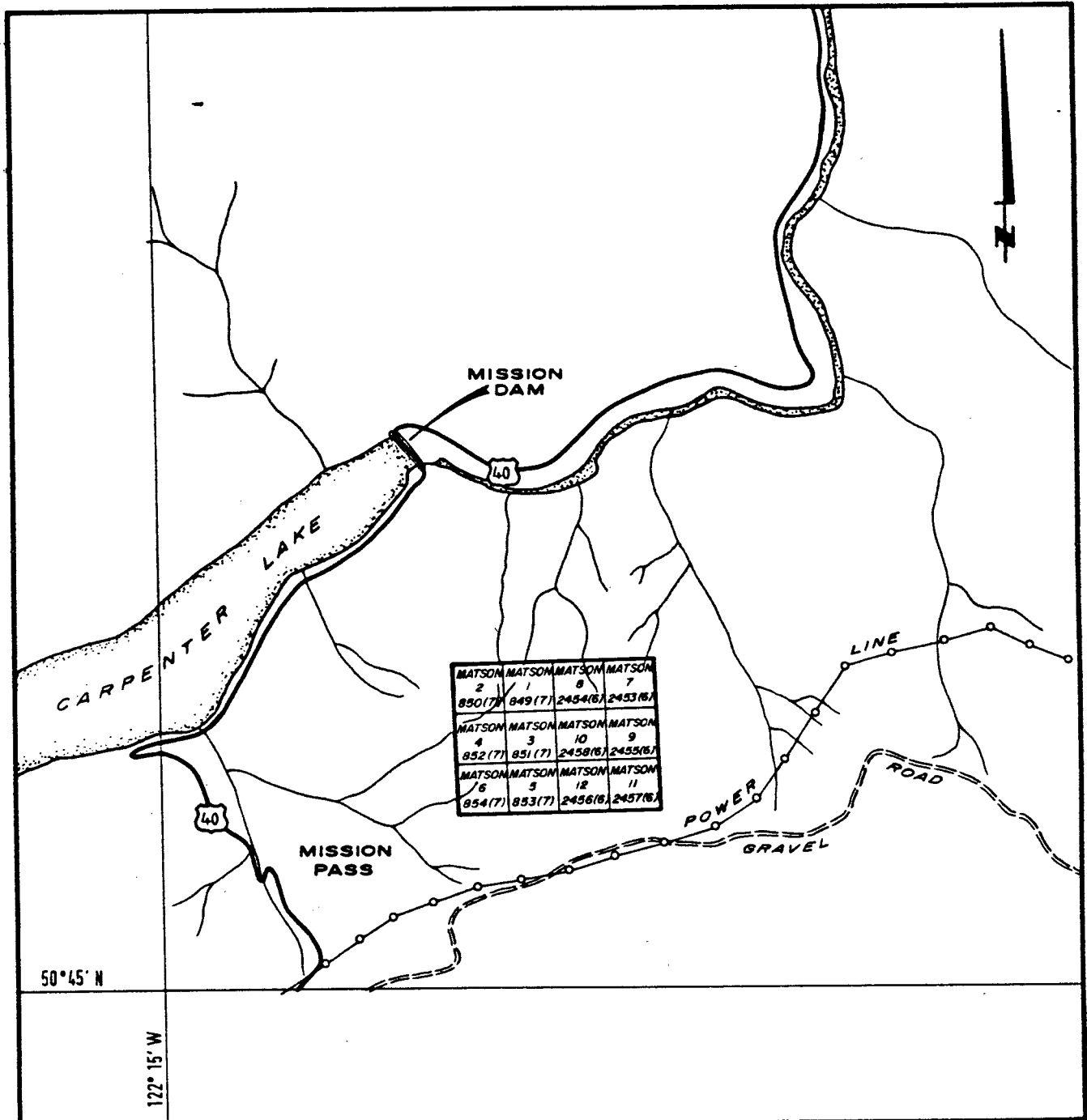


FIGURE 2

CLAIM MAP , MATSON CLAIMS

LILLOOET MINING DIVISION, BRITISH COLUMBIA

1:50,000



PREVIOUS EXPLORATION WORK

Galena-sphalerite bearing float samples were discovered in 1941 by Paul Matson, prospector, in creek beds at the base of Mission Ridge. The source of the mineralized boulders was traced to an outcropping, 0.30 m thick sphalerite-galena vein at an elevation of 1580 m. A 15 m drive (7 m portal, and 8 m tunnel) was completed in 1948 to expose the Pb-Zn-Ag-Au vein. A 2.5 kg ore sample taken from the Adit in the 1940's assayed \$ 56/st (Paul Matson, personal communication 1984). Using metal prices of \$ 0.05/lb for Pb and Zn, and \$ 1.00/oz for Ag, and an average Pb-Zn grade of 15.0 % the Ag grade of that sample is 26.0 oz/st. A total of six small surface pits were dug 250 m to 300 m east-northeast of the drive. Only four of the six pits were found by the writer (Figs 4, 5, and 6). The pits have an average depth of 1.5 m.

Rock sampling of the Adit and surface pits (6 samples), soil geochemical sampling (223 samples, B-horizon) and geological mapping was carried out by John Schultz, P.Eng. in March 1967 for Benn Explorations Ltd. (NPL) (Schultz 1966-1967). All samples were analysed for Cu, Pb, Zn, and Mo by TSL Laboratories Ltd. The property was known at that time as the KING claims. Additional exploration work on the property is described in a report by S.J. Hunter dated September 16, 1967. 22 soil samples (B-horizon) and 8 rock samples were collected. The rock samples were analysed for Cu, Pb, Zn and Ag. The MATSON claims were subsequently dropped by Benn Explorations in 1967. Jack Butula, prospector, staked six claims in 1970, and six additional claims in 1983. These 12 claims constitute the MATSON claims.

The writer conducted exploration work on the property in July 1981, and July 1984. Litho-geochemical sampling, geological mapping, orientation VLF and magnetometer survey, and orientation soil geochemical survey were completed (Champigny 1984 1981). The writer has filed an assessment report for the 1983-1984 assessment year (Champigny 1984).

The nine mineralized samples taken in 1984 from the Adit and the four surface pits returned assay values ranging from 0.30 to 9.97 % Pb, 0.16 to 8.08 % Zn, 0.12 to 6.38 oz/st Ag, and .050 to 0.15 oz/st Au.

REGIONAL GEOLOGICAL SETTING

The MATSON claims area is located at the western limit of the Intermontane Belt of the Canadian Cordillera. The boundary between the Coast Crystalline Belt and the Intermontane Belt is approximately 3 km southwest of the mineral property. Roddick and Hutchison (1973) have produced the most recent regional geological map of the area. Figure 3 shows the general geology of the MATSON claims area. Volcanic and sedimentary rocks of the Bridge River Group (Middle Triassic and older (?)) are cut by the Rexmount Porphyry (Miocene (?)) (Roddick and Hutchison 1973).

GEOLOGY AND MINERALIZATION OF THE MATSON CLAIMS

On the MATSON claims sedimentary rocks of the Bridge River Group are intruded by the Rexmount Porphyry granite (unit 2, Fig. 3). Sediments of Bridge River Group have been submitted to at least two episodes of deformation, the latest one which emplaced the rocks in a nearly vertical position. A major fault (normal ?) with a strike of 70 degrees and a sub-vertical dip, parallels the mineralized vein at the portal, approximately 100 m north of it (Fig. 3).

Approximately 35 percent of the property is underlain by the Rexmount granite (Fig. 3; Hunter 1967). The granite-sediment contact is visible at the portal and in Pit 3. A close genetic relationship is apparent between the granite and the vein mineralization.

Pb-Zn-Ag-Au mineralization occur in veins striking from 75 to 160 and dipping 70 to 90 degrees. The thickness of the veins varies from 0.10 m (Pit 4) to 1.35 m (Drive). Mineralization has been traced along a strike length of 115 m (Pit 1 to Pit 4). The vertical range of these mineralized veins is 170 m. Vein material consist of galena (5 to 15 percent), sphalerite (5 to 15 percent), arsenopyrite (5 to 20 percent) and pyrite (0 to 0.1 percent) in a gangue of quartz and calcite (60 to 80 percent). Surface oxidation of the galena and sphalerite has resulted in the developement of anglesite (Pb sulfate), and possibly cerusite (Pb carbonate) and smithsonite (Zn carbonate).

EXPLORATION WORK IN 1985

Prior the fieldwork the soil geochemical data from the 223 samples taken in 1967 was computerized, gridded, and contoured by International Geosystems Corporation, Vancouver, B.C. The following geochemical contours are shown on Figure 3: 50 ppm for copper, 100 for lead, and 300 ppm for Zn. Two geochemical anomalies are recognized: the Pit 1,2,3 and 4 area where mineralized veins outcrop; and an area 200 m south-southeast of Pit 4. This last anomaly is named the South Anomaly.

The writer sampled the Adit, the four surface pits, and the area overlying the South Anomaly (Figs. 4, 5 and 6). Nineteen samples were taken. The samples were crushed and ring pulverized. The -100 mesh fraction was retained for analysis. Au and Ag content was determined using fire assay (half assay ton) and a gravimetric finish. Pb and Zn content was determined using atomic absorbtion. The analysis were performed by Chemex Labs Ltd., Vancouver, B.C. (Appendix 2).

13 channel samples were taken across the width of the sulphide veins. Sample location, sample width and assay values are illustrated on Figures 4, 5, and 6. The 13 samples were analysed for Pb, Zn, Ag and Au and in addition 2 of them were analyzed for Cd, Co, and Bi (Appendix 2). The best results are from a sample from Pit 1 with 9.81 % Pb, 4.43 % Zn, 8.75 oz/st Ag, and 0.014 oz/st Au. The highest Au value is 0.046 oz/st and was obtained from a sample from Pit 4.

The sulphide vein at the portal has the greatest thickness (1.35 m, Figure 4) but could be traced along strike to the east or the west. Sulphide veins mapped in the four pits showed little variation in thickness (0.1 m to 0.3 m) and have a consistent strike (135 degrees). All the pit veins are believed to be part of the same vein system.

The South Anomaly area is underlain by interbedded quartz rich siltstone and sandstone, interbedded with calcareous siltstone and sandstone, and limestone. The sediments invariably contain from 0.3 to 1 percent of disseminated fine grained pyrite. Six surface rock samples were taken over the South Anomaly area. One sample of pyritic siltstone showed detectable amounts of zinc, lead, silver and gold.

FIGURE 4 - PLAN MAP AND SAMPLING RESULTS,
 PORTAL AND ADIT AREA.

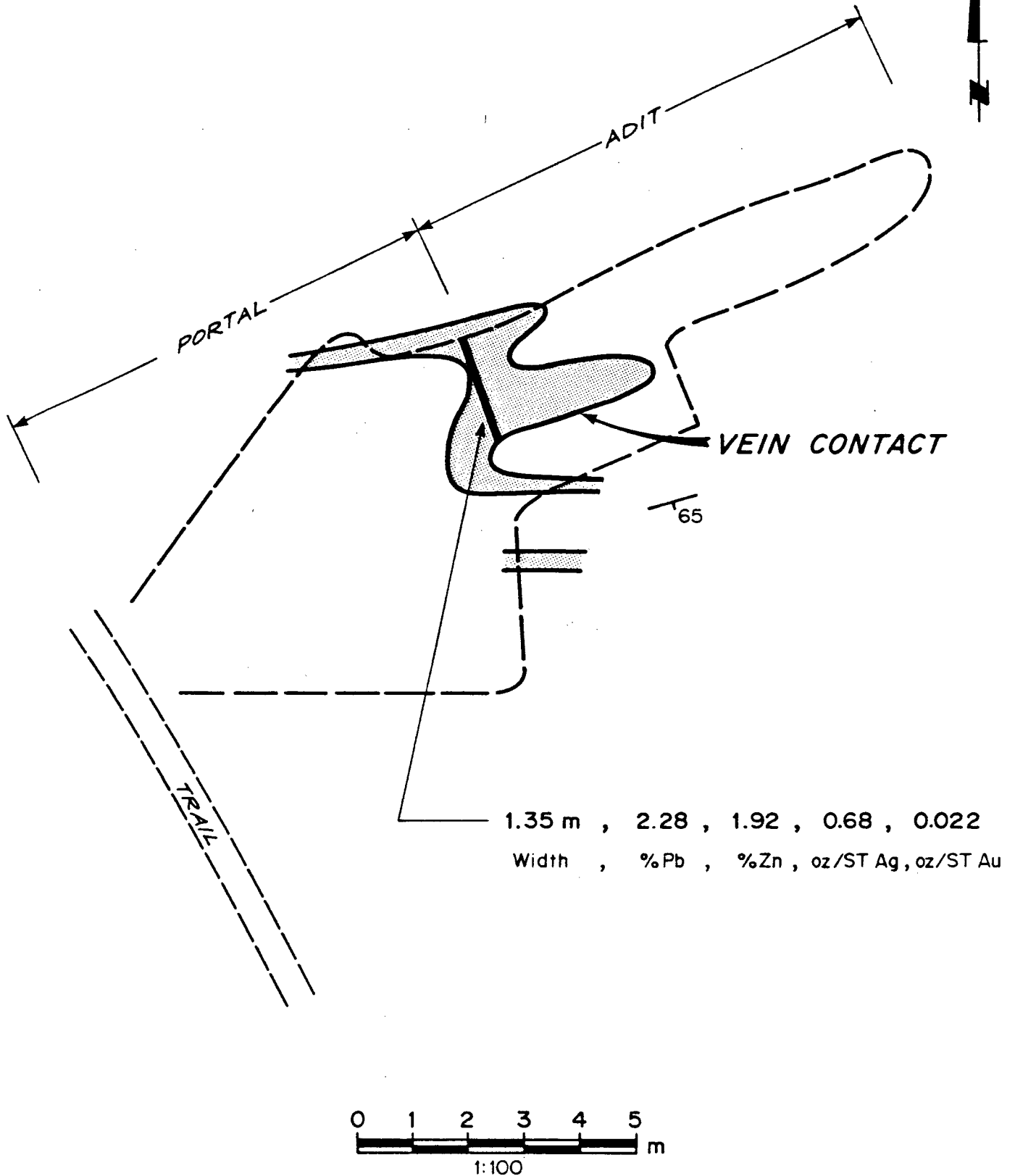


FIGURE 5 - PLAN MAP AND SAMPLING RESULTS, PITS 1 & 2

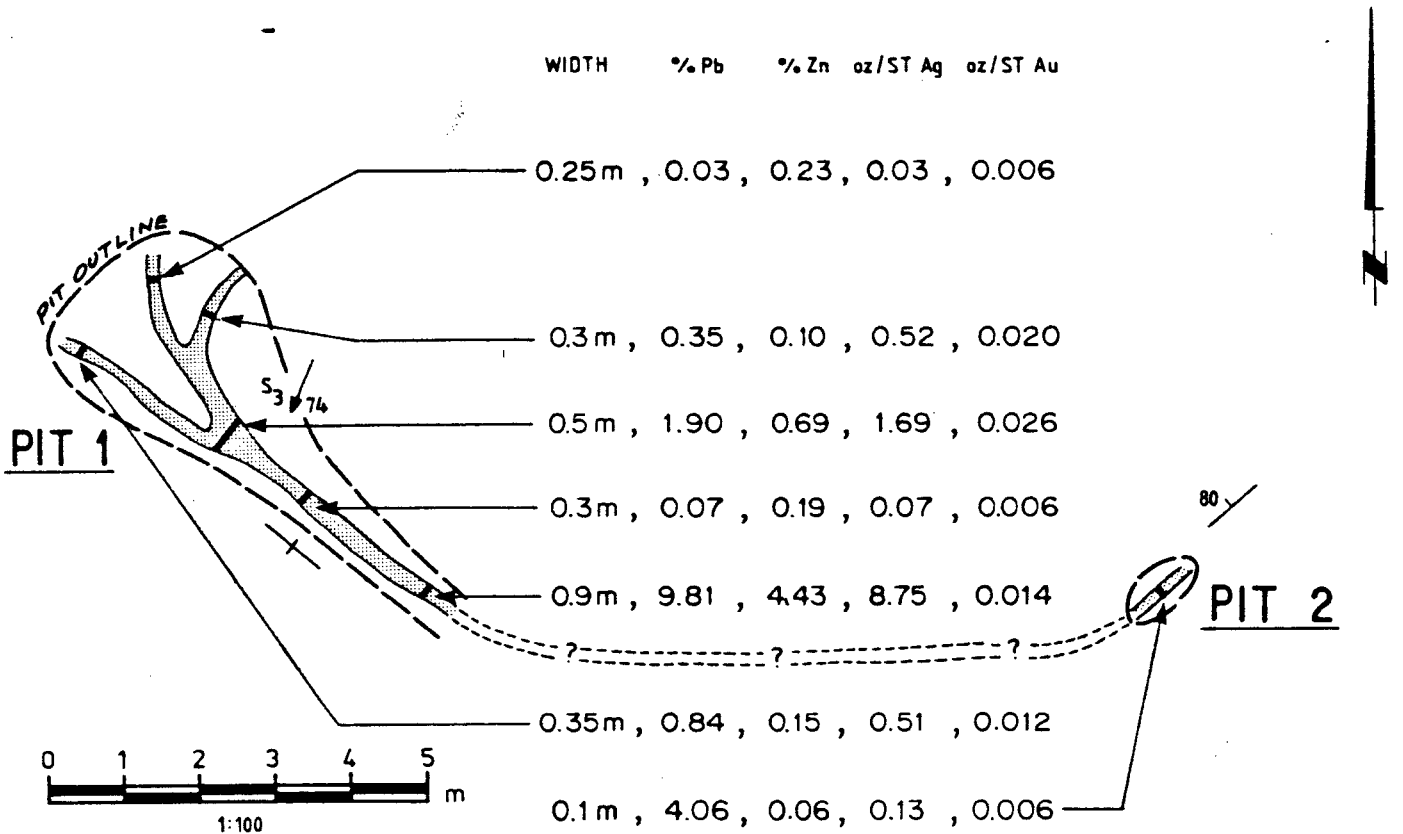
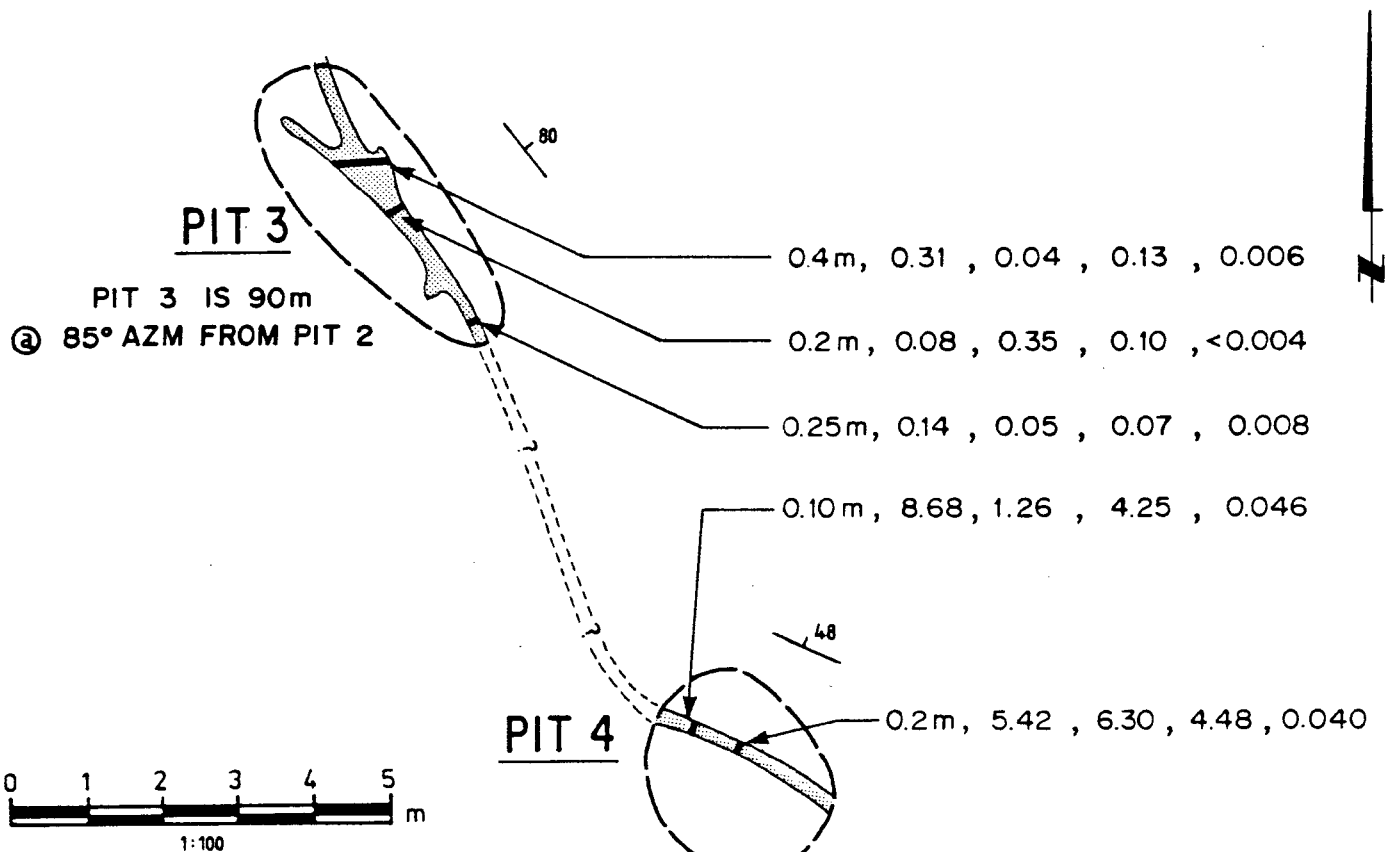


FIGURE 6 - PLAN MAP AND SAMPLING RESULTS, PITS 3 & 4



STATEMENT OF COST

The following breakdown reflects the costs of the exploration program completed on the MATSON Claims for the 1984-1985 assessment year, and described in this report.

WAGES

M.A. Mackillop, 5.0 days @ \$ 148.50/day; June 6 to 10, 1985	\$ 742.50
N. Champigny, P.Eng., 4.0 days @ \$ 256.00/day; June 7 to 9, 1985	1,024.00

FOOD AND ACCOMODATION

3.0 days; June 7, 8, and 9	290.52
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TRANSPORTATION (CAR RENTAL AND GAS)

3.0 days; June 7, 8, and 9	491.62
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EQUIPMENT

165.80

ANALYSIS

17 Rock samples - analysed for Pb, Zn, Ag, and Au \$ 21.50/sample	365.50
2 Rock samples - analysed for Pb, Zn, Ag, Au, and Cd, Co, and Bi \$ 31.88/sample	63.75

REPORT PREPARATION

N. Champigny, P.Eng., 1.0 day @ \$ 256.00/day; July 17, 1985	256.00
---	--------

Re-interpretation of soil geochemical data, and generation of computerized contour maps. International Geosystems Corporation, Vancouver	826.13
--	--------

DRAFTING

5.0 hours; \$ 15/hour; July 16, 1985	75.00
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TOTAL

\$ 4,300.82

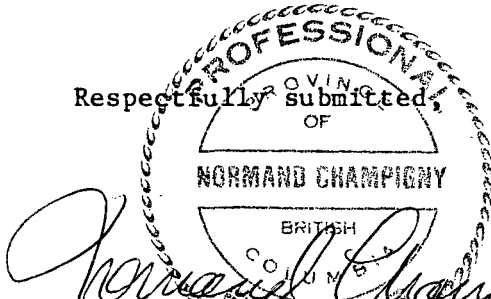
I certify this to be a correct statement of costs.

CONCLUSIONS

From the detailed geological mapping and sampling of the Adit area, and of Pits 1,2,3, and 4 area on the Matson claims we can derive the following conclusions:

1. The sulphide vein at the Adit strikes 75 degrees and has a maximum thickness of 1.35 m but does not appear to extend along strike.
2. The sulphide veins in Pits 1,2,3, and 4 have a consistent thickness (0.1 m to 0.3 m) and strike (160 degrees). These veins appear to be all part of the same vein.

Contouring and re-interpretation of the 1967 soil geochemical data has resulted in the definition of the South Anomaly. It is located 200 m to the south-southeast of Pit 4, along strike of the Pit 1 to 4 sulphide veins. The South Anomaly area is underlain by sediments containing from 0.3 to 1 percent of disseminated fine grained pyrite. One sample of pyritic siltstone showed detectable amounts of zinc, lead, silver and gold. The South Anomaly deserves further field investigation.

Respectfully submitted,
OF
NORMAND CHAMPIGNY
BRITISH
COLUMBIA

Normand Champigny, M.A.Sc., P. Eng. (B.C.)
July 18, 1985, Vancouver, B.C.

REFERENCES

- Champigny, N. 1984. Assessment report on the MATSON claims, Lilloet Mining Division, B.C. Assessment Report dated July 26 1984, Odessa Explorations Inc. 13 p.
- Champigny, N. 1981. Geological Examination of the MATSON claims. Unpublished Report dated 23 July 1981, Odessa Explorations Inc. 3 p.
- Roddick, J. A., and Hutchison, W. W. 1973. Pemberton (East Half) Map-Area, British Columbia. Geological Survey of Canada, Paper 73-17, 20 p.
- Hunter, S. J. 1967. Report on the MATSON claims. Unpublished report for Benn Explorations Ltd. (NPL) dated September 16, 1967.
- Schultz, J. 1966-1967. Unpublished compilation map of Soil Geochemical and Lithogeochemical data, Benn Explorations Ltd. (NPL).


APPENDIX 1

CERTIFICATE

I, NORMAND CHAMPIGNY, of the City of Vancouver, Province of British Columbia, hereby certify as follows:

1. I graduated with a degree of Bachelor of Applied Science, Geological Engineering, from Ecole Polytechnique, Montreal, Quebec, in 1979 and with a degree of Master of Applied Science, Geological Engineering, from the University of British Columbia, Vancouver, B.C. in 1981.
2. I am a registered Professional Engineer of the province of British Columbia.
3. I have practiced my profession in mineral exploration continuously since graduation.
4. I have no financial interest, directly or indirectly, in the securities of ODESSA EXPLORATIONS INC., Vancouver, British Columbia, or in the properties described in this report. I do not expect to receive or acquire any interest.
5. This report is based upon a fieldwork on the MATSON claims on July 15 and 16, 1984 and a study of all available reports and published information.
6. I consent to the use of this report in connection with the raising of funds for the project described herein.

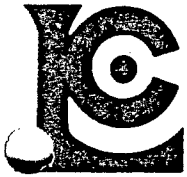
DATED at Vancouver, Province of British Columbia this 18th day of July 1985.


Normand Champigny
NORMAND CHAMPIGNY, M.A.Sc., P. Eng. (B.C.)

APPENDIX 2

ASSAY CERTIFICATES Nos.

A8512648-001-A : 17 rock samples
A8512649-001-A : 2 rock samples
A8512649-001-B : 2 rock samples



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 ASSAY

TO : MARLOCK RESOURCES LTD.

440 - 625 HOWE ST.
 VANCOUVER, B.C.
 V6C 2T6

CERT. # : A0512648-001-A
 INVOICE # : I8512648
 DATE : 18-JUN-85
 P.O. # : NONE

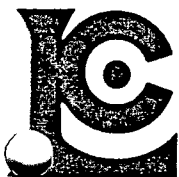
ATTN: MALSOLM MACKILLOP

Sample description	Prep code	Pb %	Zn %	Ag FA oz/T	Au FA oz/T		
PIT 1.1	207	0.84	0.15	0.51	0.012	--	--
PIT 1.2	207	0.03	0.23	0.03	0.006	--	--
PIT 1.3	207	0.35	0.10	0.52	0.020	--	--
PIT 1.4	207	1.90	0.69	1.69	0.026	--	--
PIT 1.5	207	0.07	0.19	0.07	0.006	--	--
PIT 2.1	207	4.06	0.06	2.31	0.090	--	--
PIT 3.1	207	0.31	0.04	0.13	0.006	--	--
PIT 3.2	207	0.09	0.35	0.10	<0.004	--	--
PIT 3.3	207	0.14	0.05	0.07	0.003	--	--
PIT 4.1	207	3.68	1.26	4.25	0.046	--	--
PIT 4.2	207	5.42	6.30	4.48	0.040	--	--
RUST .1	207	0.12	0.10	0.08	0.004	--	--
RUST .2	207	0.02	0.02	0.01	<0.004	--	--
LIMS .1	207	0.02	0.01	0.01	<0.004	--	--
LM TOP .1	207	0.01	0.01	0.01	<0.004	--	--
GRAN .1	207	<0.01	0.01	0.01	<0.004	--	--
BLUE .1	207	<0.01	0.01	0.01	<0.004	--	--

B. Stewart

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





Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
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Telephone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ASSAY

TO : MARLOCK RESOURCES LTD.

440 - 625 HOWE ST.
VANCOUVER, B.C.
V6C 2T6

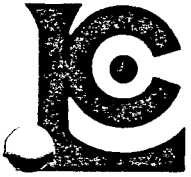
CERT. # : A8512649-001-A
INVOICE # : I8512649
DATE : 19-JUN-85
P.O. # : NONE

Sample description	Prep code	Pb %	Zn %	Cd %	Co %	As NAA %	Sb NAA %
PIT 1.6	207	9.81	4.43	0.039	0.002	DELAYED	DELAYED
ADIT .1	207	2.28	1.92	0.039	0.009	DELAYED	DELAYED

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



RECEIVED JUN 19 1985



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CERTIFICATE OF ASSAY

TO : MARLOCK RESOURCES LTD.

440 - 625 HOWE ST.
VANCOUVER, B.C.
V6C 2T6

CERT. # : A8512649-001-B
INVOICE # : 18512649
DATE : 19-JUN-85
P.O. # : NONE

Sample description	Prep code	Bi %	Ag FA oz/T	Au FA oz/T			
PIT 1.6	207	0.005	8.75	0.014	--	--	--
ADIT .1	207	<0.001	0.68	0.022	--	--	--

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





LEGEND

2 REXMOUNT PORPHYRY
 TERTIARY-MIOCENE ?
1 BRIDGE RIVER GROUP
 TRIASSIC

——— GEOLOGICAL CONTACT
 APPROXIMATE
 ~~~~~ FAULT, INFERRED

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**14,326**

MICRO  
WAVE  
STATION

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ODESSA EXPLORATIONS INC. - MATSON CLAIMS

FIGURE 3 - TOPOGRAPHY AND SURFACE GEOLOGY

SOIL GEOCHEMISTRY : Cu > 50 ppm (RED);  
 Pb > 100 ppm (BLUE); Zn > 300 ppm (BROWN)

SCALE 1: 2400

0 50 100 150 200 M

DATE: 1985/07/09

INTERNATIONAL GEOSYSTEMS CORPORATION