GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

GOSSAN 1-4, 7; 5, 8, 22; and 25 MINERAL CLAIM GROUPS

LIARD MINING DIVISION

Authors: B.P. Butterworth, B.Sc.
D.B. Petersen, P.Eng.

Date: November 12, 1987
NTS: 104B/10
Commodities: Cu, Zn, Pb
Latitude: 56° 33' North
Longitude: 130° 51' West
Owner: Western Canadian Mining Corp.
Operator: Western Canadian Mining Corp.
Report No.: 991

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SUMMARY

The Gossan 1-4, 7; 5, 8, 22; and 25 mineral claim groups, situated in the Liard Mining Division, are a contiguous collection of claim groups located 5 kilometres west of the Snippaker Creek airstrip. The area is of interest because of precious metal occurrences at the Bron and Red Bluff showings on the nearby Cominco/Delaware property and Skyline Explorations' Ltd. Stonehouse gold deposit.

The 1987 exploration programme consisted of geological mapping, soil sampling and rock chip sampling. Stream sediment (silt) samples were collected from all major creeks draining the property. Highly anomalous lead and zinc values were obtained from quartz-sulphide and massive sulphide veins and veinlets that outcrop on the property. The veins, however, are narrow, discontinuous and generally low in precious metals content. Consequently, the claims are considered to contain a low potential for the discovery of gold mineralization and unless reinterpretation of existing data enhances the potential of the subject claim groups no further immediate work is recommended for this area.

1. INTRODUCTION

The Pins and Lake properties, situated in the Iskut River area of northwestern British Columbia (Figure 1), consist of 3 claim groups collectively comprising 9 mineral claims totalling 162 units. Fieldwork was conducted from June 15 - September 26, 1987 by a 6 person crew. The programme was supervised by Geologist B.P. Butterworth, under the direction of project geologist D.B. Petersen of Western Canadian Mining Corporation. Objectives of the programme were to outline precious metal targets and to determine whether or not the inferred economic potential of the claim groups warranted the planning and financing of future exploration programmes.

This report is based on geological and geochemical data collected during the 1987 field programme; an examination of diamond drill core and discussion of the Cominco/Delaware property with Bob Sharpe of Cominco Ltd.; and an underground examination of Skyline Explorations' Stonehouse gold deposit conducted by the company's geological staff. A review of available geological and exploration data on the area was also conducted.

1.1 Location and Access

The Iskut River area is situated in Northwestern British Columbia approximately 90 km north of the town of Stewart and 55 kilometres southwest of the Stewart Cassiar Highway.

The subject claim group is situated 10 km south of the Iskut River and 5 km west of the Snippaker Creek airstrip. The claims occur within the Liard Mining Division, NTS 104B/10, and are centred at latitude 56° 33'N and longitude 130° 51' W.

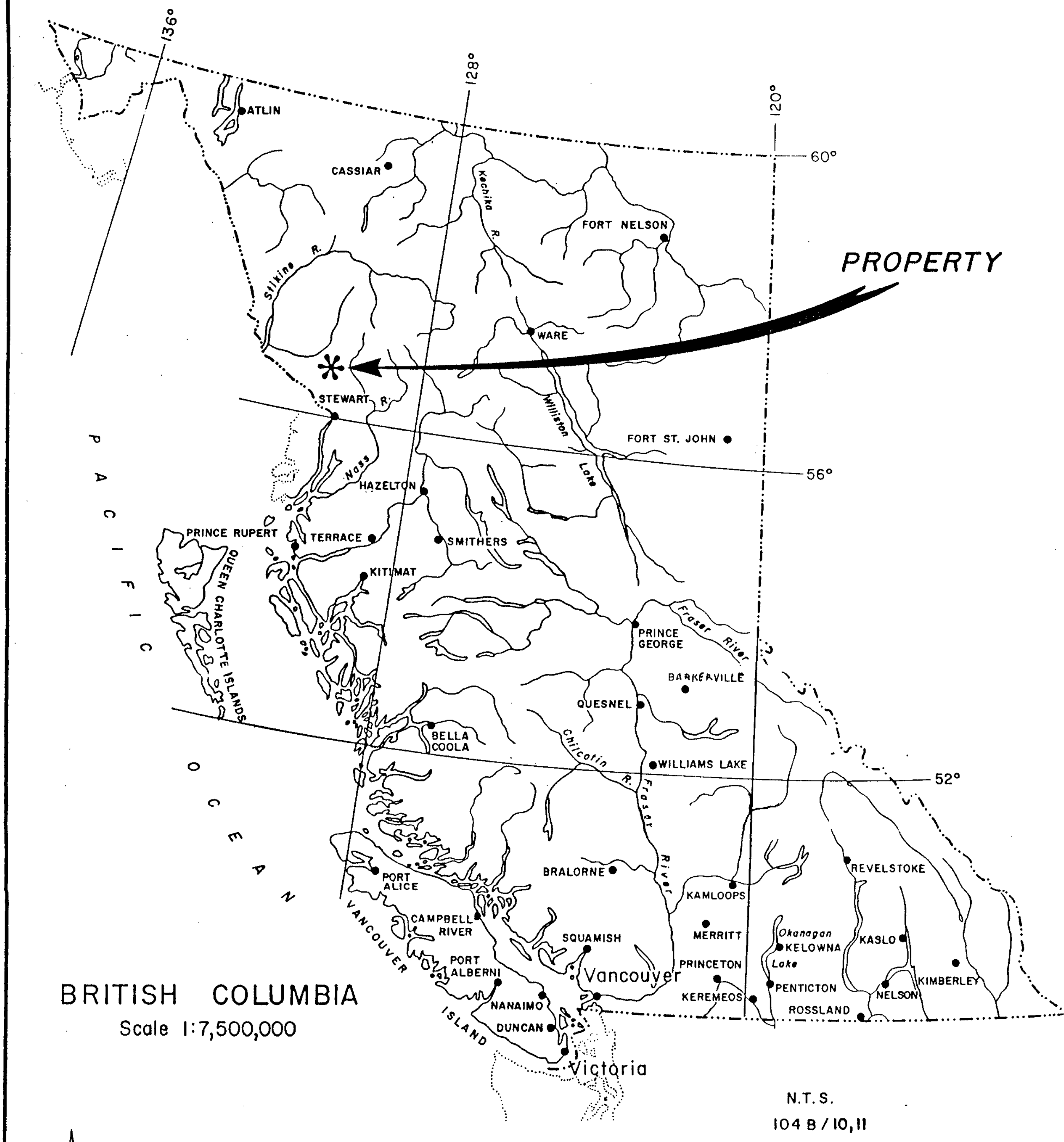
Access onto the property is by means of helicopter from the Snippaker Creek airstrip (camp). Fixed wing service into the airstrip was conducted from Terrace (260 kilometres to the southeast).

1.2 Physiography

The claims are situated within the Boundary Ranges of the Coast Mountains. This geographic province consists of a mountainous and glaciated terrain that exhibits relief in excess of 2,000 metres. Tree-line varies from 1,000-1,200 metres above sea level and is marked by a thick, intertwined growth of one to two metre tall stunted spruce. Below this point, particularly within the lower valleys, vegetation predominantly consists of a dense growth of tag alder.

Active glaciation is prevalent in the district. These occur as caps over areas of higher elevation, notably above 1,500 metres, and as impressive valley glaciers.

Relief in the area ranges from 600 metres above sea level on the valley floor to 2,300 metres in the southwest corner of the property. The



WESTERN CANADIAN MINING LTD.

GOSSAN CLAIMS

LOCATION MAP

DRAWN		DATE	FIGURE
		NOV. 1986	1

Revised ______________________

majority of the property exhibits relatively uniform moderate to steep north and south facing slopes. Tributaries of Pins Creek which drain these slopes have eroded a series of deep ravines that provide good bedrock exposure. Such features however, play havoc with side hill traverses.

1.3 Claim Information

The subject property (Figure 2) is comprised of 3 claim groups consisting of 9 modified grid mineral claims totalling 162 units. Pertinent data for each claim is outlined below in Table I.

TABLE I - CLAIM DATA

Group #	Claim Name	Units	Record Number	Recording Date	Year of Expiry
1	Gossan 1	20	2378	08/12/83	1989
	2	20	2379	08/12/83	1989
	3	20	2394	08/24/83	1989
	4	20	2395	08/24/83	1989
	7	20	2398	08/24/83	1989
		100			
2	Gossan 5	20	2396	08/24/83	1990
	8	12	2399	08/24/83	1989
	22	10	2847	06/30/83	1989
		42			
3	Gossan 25	20	3369	08/13/85	1990

The claims are owned and operated by Western Canadian Mining Corporation.

1.4 History

Interest in the Iskut River area underlying the Gossan and surrounding claims dates back to 1907, when gold, silver, and galena bearing mineralization was discovered near Johnny Mountain by the Iskut Mining Company. Only scanty information is available covering subsequent activities until 1954-61, when Hudson's Bay Mining and Smelting carried out drilling programmes in the same area. Since then the district has

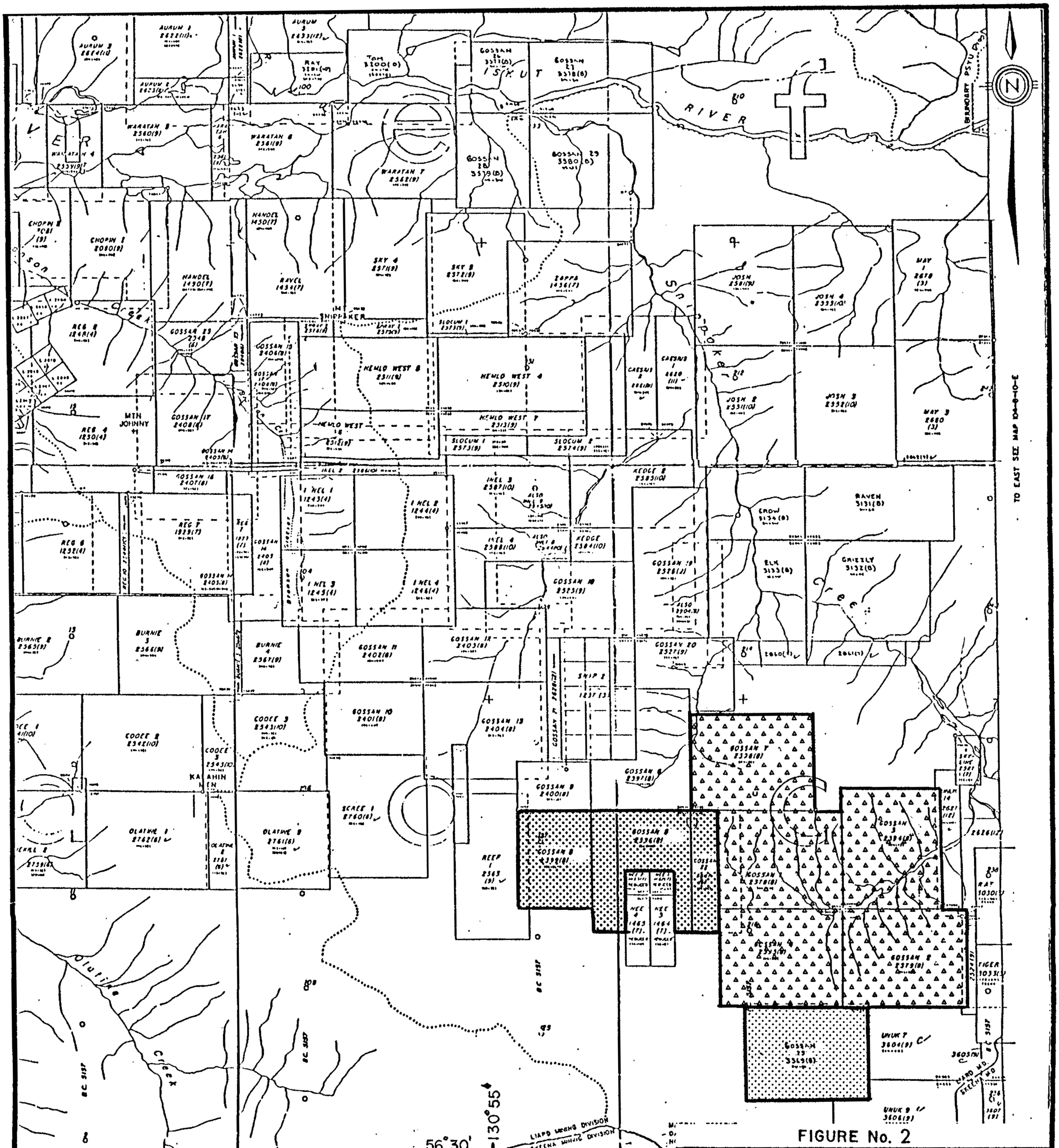


FIGURE No. 2

Gossan 1-4,7 Claim Group

Gossan 5,8,22 Claim Group

Gossan 25 Claim Group

WESTERN CANADIAN
MINING CORP.

GOSSAN CLAIMS

Liard M.D.

Date: Nov./'87	N.T.S.: 104B/10-11
Scale: 0 1 2 3 kMs	RPT: 991

been explored for base and precious metals at both regional and property scales by various mining companies including Skyline Explorations Ltd., Cominco Ltd., Silver Standard Mines Ltd., Texasgulf Inc., Great Plains Developments, Teck Corporation, and Dupont Canada Ltd.

In 1983, Lonestar Resources Ltd. commissioned Active Mineral Exploration Ltd. to carry out a reconnaissance geological mapping and geochemical sampling programme on the Gossan Mineral Claims (Bending, 1984). A number of the claims were optioned to Brinco Mining Ltd. in 1985 and subsequently transferred to Western Canadian Mining (W.C.M.) Corp. in 1986. Aggressive exploration has been continued in the immediate area of the Gossan mineral claims, notably by Skyline Explorations Ltd. and by Cominco Ltd.

1.5 1987 Exploration Programme

Exploration activities in 1987 on the Gossan 1-4, 7; 5, 8, 22; and 25 mineral claims were carried out by a 6 person crew from June 15 to September 26, 1987. The exploration programme consisted of the following surveys:

1) Stream sediment samples were collected from all major tributaries draining the Gossan 1, 3 to 5 and 22 mineral claims. A total of 29 samples were collected.

2) A grid was established on the north side of Pins Creek (Lake Grid) and a total of 139 soil samples were collected at 50 metre intervals along 200 metre spaced grid lines.

3) Geological mapping and rock chip (grab) sampling was carried out over most of the property. In areas where high concentrations of sulphides were identified, notably the Pelican and Pins showings (Bending, 1984), closely-spaced (continuous) rock chip samples were collected. A total of 46 grab and 6 continuous rock chip samples were collected.

2. GEOLOGY

2.1 Regional Geology

The regional geology in the Iskut River area has been mapped by Kerr (1948) and recently by Grove (1986).

The Gossan property lies at the eastern edge of the Coast Plutonic Complex, near the western boundary of the Bowser basin (Figure 3). The claims are at the northern end of the belt of rocks described by Grove (1971) as the Stewart Complex. The complex consists of an undivided group of sedimentary and volcanic rocks of Upper Triassic and Jurassic age, which are intruded by Middle Mesozoic marginal phases of the Coast Range intrusions.

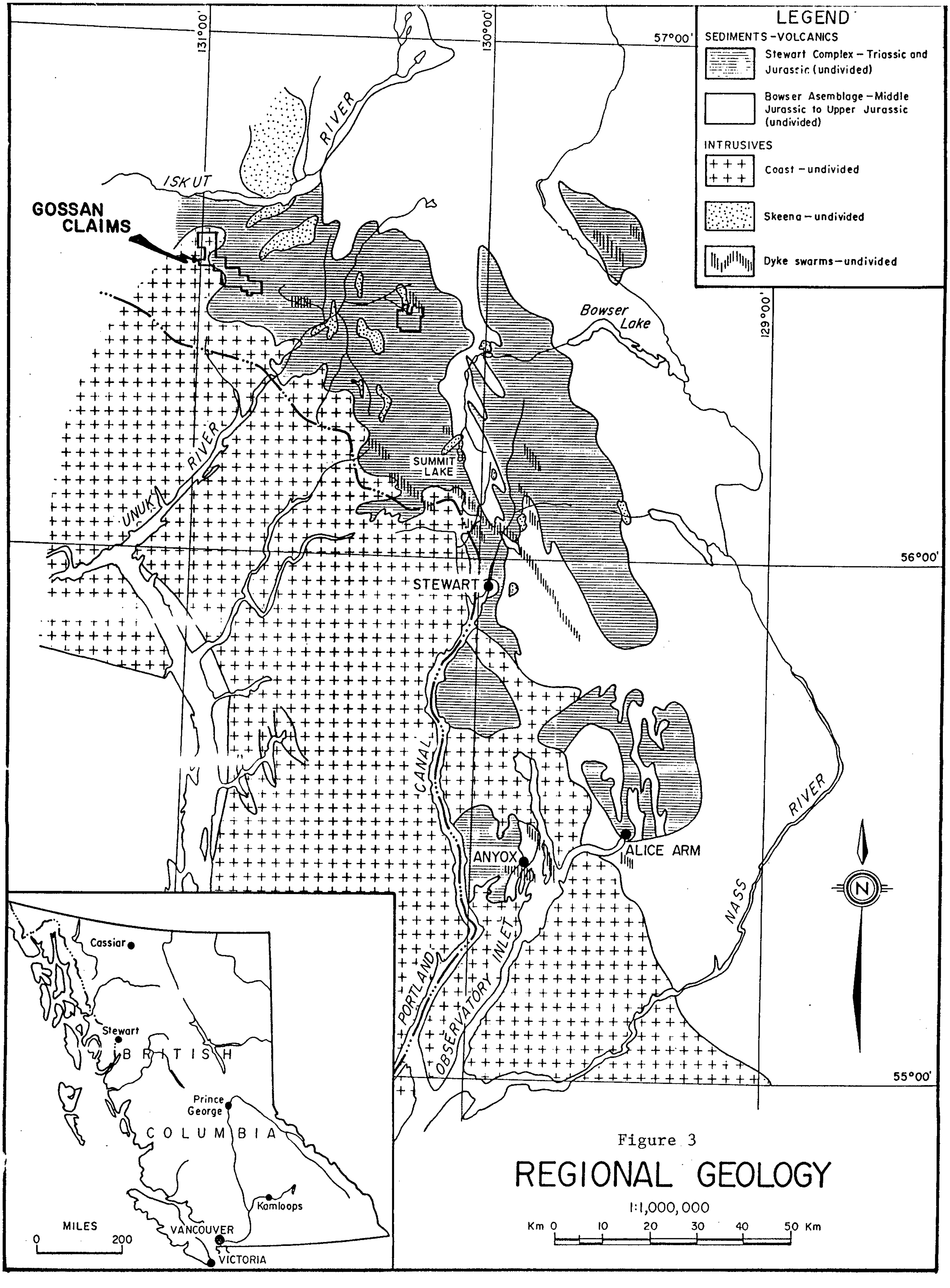


Figure 3

REGIONAL GEOLOGY

The stratified rocks are composed of submarine to sub-aerial fragmental volcanic rocks that are interlayered with sequences of argillite, banded siltstone, greywacke, conglomerate and minor impure limestone, most of which are believed correlative with the lower Jurassic Hazelton Group.

Structurally, rock units have a general northwest trend and have locally, been regionally metamorphosed to the greenschist facies and strongly deformed. According to Grove (1971) the Iskut River marks a major east-west trending thrust fault that has resulted in Paleozoic strata being pushed southerly across Mesozoic units. Numerous north to northeasterly trending faults and fractures offset units throughout the region.

The stratigraphy is intruded by subvolcanic intrusive and by mid to late Mesozoic and Cenozoic plutonic rocks. These include stocks and dykes of granodiorite, quartz monzonite and feldspar porphyry, as well as late Tertiary dykes and plugs of basalt and diorite.

2.2 Property Geology

2.2.1 Lithology

Geological mapping and rock chip sampling on the subject claim groups was concentrated on mineralized areas, notably the Pelican and Snow Zones (Figure 4), discovered during reconnaissance geological mapping in 1983 (Bending, 1984). In addition, a brief examination of showings on Pins Ridge (Gossan 25 mineral claim) was also conducted. Geological and lithogeochemical data is shown on Map 5 and assay results are included in Appendix 1.

The property is underlain by an interbedded sequence of northeasterly dipping sedimentary and pyroclastic rocks. The sedimentary rocks are characterized by thinly laminated (1 mm to 2 cm) pale to medium green siltstones and shales and 1 to 3 metre wide beds of greywacke. Higher in the succession, the sequence is character-ized by tuffs and lapilli tuffs of intermediate to mafic composi-tion. Pale to medium green, medium grained monzonite to quartz monzonite intrusive rocks crop out throughout much of the area. In fact, intrusive rocks in some areas completely surround volcanic and sedimentary units thus suggesting that the volcano-sedimentary succession may represent roof pendants. Numerous orthoclase porphyry and lesser aplite and biotite lamprophyre dyke-like apophyses of the Coast Plutonic Complex intrude the volcanosedimentary succession.

Varying degrees of sulphide-bearing skarn alteration are developed within the volcaniclastics and tuffaceous siltstones, particu-larly in areas adjacent to the intrusions. Skarn alteration is best developed in the upper part of the volcaniclastic sequence (Pelican and Lake Zones); it is comprised of massive medium grained chlorite $\pm$ diopside with lesser amounts of quartz and epidote.

2.2.2 Lithogeochemistry and Mineralization

Grab and closely spaced rock chip samples collected from and around the Pelican, Lake, Snow and Pins zones (Figure 5) contained weak to moderately anomalous concentrations of copper, lead, zinc, silver and gold (peak values 3665 ppm, 3368 ppm, 3148 ppm, 9.2 ppm, 265 ppb, respectively). Table II summarizes lithogeochemical results of some anomalous samples.

Mineralization in the Pelican and Lake Zones consists of randomly oriented and discontinuous quartz-sulphide veins and veinlets (up to 0.5 cm wide) with up to 30% sphalerite, 2-5% galena and less than 1% chalcopyrite (Casselman, personal communication). The mineralization occurs at or near the contact between the sediments and overlying skarn altered volcaniclastic unit. Closely spaced rock chip samples collected from the Pelican showing revealed moderately anomalous copper, zinc and silver values (3665 ppm, 3147 ppm and 7.5 ppm, respectively); however, gold contents were low (peak value 20 ppb). Other samples collected from the surrounding area yielded background concentrations of base and precious metals.

Sulphide mineralization on the Gossan 25 claim generally consists of small (5 - 10 m^2) pods of 0.1 to 1% pyrite with lesser amounts of sphalerite and rare galena and chalcopyrite (Casselman, 1987). The pyrite occurs as fine grained disseminations, while the sphalerite and galena occur as coarse grained, 1 to 2 mm aggregates.

Of the four mineralized zones known to contain base metals, results of the 1987 exploration programme indicate that these zones have little potential for hosting precious metals mineralization.

TABLE II

SUMMARY OF LITHOGEOCHEMICAL RESULTS

SAMPLE No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	DESCRIPTION
	RESULTS					
G87R-133	2019	104	226	9.2	152	Altered quartz diorite - strong to intense pervasive silicification and quartz veins up to 6 cm. Up to 20% fine grained, disseminated anhedral pyrite. Grab sample.
G87R-135	619	38	188	1.5	8	Pyrite rich pod up to 3 m x 4 m in chlorite/epidote altered andesite tuff. Snow Zone. Grab sample.
G87R-136	374	50	122	4.7	45	As described in 135. Up to 7% disseminated and coarse aggregates of pyrite scattered throughout. Snow Zone. Grab sample.
G87R-521	4	2	9	0.1	265	Quartz-pyrite vein in 30 cm wide shear zone in granodiorite. Grab sample.
G87R-632	59	12	440	0.8	21	Dacite - andesite volcaniclastic with < 1% disseminated pyrite and chalcopyrite. Grab sample.

TABLE II (cont'd)

SUMMARY OF LITHOGEOCHEMICAL RESULTS

SAMPLE No.	RESULTS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	DESCRIPTION
G87R-636	3665	34	169	7.5	20	Chloritized, finely laminated siltstone with approximately 1% disseminated pyrite, chalcopyrite, malacite and sphalerite. Continuous chip. Pelican Zone.
G87R-637	210	59	3147	1.0	1	As described in 636. <1% sphalerite, pyrite, chalcopyrite. Continuous chip. Pelican Zone.
G87R-813	103	129	2088	1.6	31	Chloritized lapilli tuff with approximately 5% pyrite and sphalerite. Grab sample. Snow Zone.
G87R-649	142	387	672	5.0	50	Silicified and chloritized tuffaceous siltstone with 1% pyrite, sphalerite, chalcopyrite. Grab sample. Pins Zone.
G87R-653	510	24	62	1.4	31	Chlorite, epidote, silica, clay altered andesite tuff. 2% disseminated and coarse aggregates of chalcopyrite and pyrite. Pins Ridge.

3. GEOCHEMISTRY

3.1 Introduction

Soil samples were collected at 50 metre intervals along grid lines spaced 200 metres apart and oriented at 045°. The grid was established on the south half of the Gossan 1 and 22 mineral claims to test the area's economic potential and to determine pathfinder elements. A total of 139 samples were collected.

Attempts were made to collect B-horizon samples wherever possible; however, some areas exhibited poor soil development therefore C-horizon samples were occasionally collected. Soil sampling was not undertaken in areas of glacial moraine cover. Sample depth ranges from 10-20 cm.

Silt samples were collected from most major tributaries draining the northern half of the property. A total of 29 samples were collected.

Geochemical data was entered into an IBM compatible computer, stored on 5-1/4" floppy diskettes and processed by a number of software programmes. Soil and silt sample locations and results are plotted on Figures 6-8 and assay certificates are presented in Appendix I.

3.2 Sample Preparation and Analytical Procedure

At Acme Analytical Laboratories soil and silt samples were oven dried at approximately 60° C and sieved to minus 80 mesh. A 0.5 gram sample of the minus 80 fraction was digested in hot, dilute aqua regia in a boiling water bath and then diluted to 10 ml with demineralized water. All samples were analyzed for 30 elements utilizing the ICP technique. In addition, gold was analyzed, from a 10 gram fraction, by standard atomic absorption.

3.3 Treatment and Presentation of Results

In assessing the soil geochemical results, graphical statistical methods were used to separate background from anomalous metal concentration. Threshold and anomalous levels were determined at the mean plus two standard deviations ($\bar{x}$ +2s) and the mean plus three standard deviations ($\bar{x}$ +3s), respectively from log probability plots prepared for each element. Soil geochemical results are summarized below in Table III. Results for gold, silver, copper and zinc are shown on Maps 7 and 8; however, as no appreciable results were obtained, contouring of the data was not attempted.

TABLE III

MEAN, THRESHOLD AND ANOMALOUS METAL VALUES
IN 'B' HORIZON SOIL SAMPLES
LAKE GRID

METAL	N	MEAN ($\bar{x}$)	THRESHOLD ($\bar{x}$ +2s)	ANOMALOUS ($\bar{x}$+3s)
Au	139	10 ppb	25 ppb	40 ppb
Ag	139	0.3 ppm	1.5 ppm	2.0 ppm
Cu	139	70 ppm	150 ppm	250 ppm
Zn	139	65 ppm	200 ppm	300 ppm

3.4 Discussion of Results

3.4.1 STREAM SEDIMENT GEOCHEMISTRY

Sample locations and results are shown on Figure 6. Analysis certificates are presented in Appendix I.

Stream sediment sample results from the Lake area indicate the presence of weak to moderately anomalous base metal values. Copper, lead and zinc all show significant variation among the total population. Moderately anomalous values were obtained from tributaries draining the southwest corner of the Gossan 1 mineral claim (Sample 207 - 259 ppm Cu, 28 ppm Pb, 242 ppm Zn, 1.3 ppm Ag, 40 ppb Au). The anomalies are likely a result of downslope migration of elements originating from narrow quartz-sulphide veinlets occurring within a skarn assemblage that outcrops on the ridge. Precious metals concentrations were rarely above background levels.

3.4.2 SOIL GEOCHEMISTRY

Soil sampling in the Lake Zone area (Figures 7, 8) has yielded no appreciable anomalies over an area predominantly underlain by monzonite to quartz monzonite intrusive rocks. In general, concentrations of elements were low and correlations between elements are poor; however, copper (8 - 700 ppm), and gold (1 - 140 ppb) display enough variation to clearly define an anomalous population. Most anomalous values, however, were single sample anomalies and widely separated.

CONCLUSIONS AND RECOMMENDATIONS

Geological mapping, rock chip sampling and soil sampling on the Gossan 1-4, 7; 5, 8, 22; and 25 mineral claim groups indicate a weak potential for hosting precious metals mineralization.

The property is mostly underlain by a variably altered sequence of northeasterly dipping volcaniclastic and sedimentary rocks. This volcanosedimentary succession has been intruded by monzonite to quartz monzonite stocks and related hypabyssal intrusive rocks of the Coast Plutonic Complex.

Local skarn alteration, silicification and sulphide mineralization was observed in the volcanic and sedimentary rocks adjacent to the intrusive rocks. Quartz-sulphide veins observed throughout the area are narrow, randomly oriented, and erratically distributed. Although some moderate base metals concentrations were obtained, overall precious metals concentrations are low.

Soil geochemical surveys provided an indication of the most suitable elements (Cu, Zn, Ag, Au) to use as pathfinders for gold and silver mineralization; however, no anomalous zones worthy of further follow-up were revealed.

Unless reinterpretation of existing data enhances the potential of the subject claim groups, no further immediate work is recommended for this area.

Respectfully submitted,

B.P. Butterworth, B.Sc.,
Project Geologist

D.B. Petersen, P.Eng.
Senior Geologist

REFERENCES

Bending, D.A. 1984: 1983 Summary Report of the Snippaker Creek Area, British Columbia. Report for Lonestar Resources Ltd.

Casselman, S., 1987: Summary Report on the Pins and Lake Areas. In-House Company File.

Grove, E.W. 1971: Geology and Mineral Deposits of the Stewart Area, British Columbia. B.C. Department of Mines and Petroleum Resources, Bulletin No. 58.

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Kerr, F.A. 1948: Lower Stikine and Western Iskut River Areas, British Columbia, Geology Survey. Can. Memoir 246.

Meyers, R.E. 1986: 1986 Geochemical Sampling and Reconnaissance Mapping on the Gossan 1-4, 7 Claim Group and Gossan 14-17, 23 Claim Group. Assessment Report.

Petersen, D.B., Woodcock, J.R., Gorc, D. 1985: Geological, Trenching and Diamond Drilling Report on the Gossan 11 Claim. British Columbia Ministry of Energy, Mines and Petroleum Resources, Assessment Report.

STATEMENT OF QUALIFICATIONS

I, Brian P. Butterworth, of North Vancouver, British Columbia, hereby certify that:

1. I am a geologist residing at 1008 Wellington Drive, North Vancouver, British Columbia and am employed by Western Canadian Mining Corporation of 1170-1055 West Hastings Street, Vancouver, British Columbia, V6E 2E9.

2. I received a Bachelor of Science degree from the Faculty of Geology of the University of British Columbia, Vancouver, British Columbia (1983).

3. I am the author of this report which is based on field work conducted during June to September, 1987 on behalf of Western Canadian Mining Corp.

4. I have no beneficial interest in Western Canadian Mining Corporation, nor do I expect to receive any.

Western Canadian Mining Corp.

B.P. Butterworth, B.Sc.
Geologist

COST STATEMENT

GOSSAN 1-4, 7 MINERAL CLAIM GROUP

GEOLOGY AND GEOCHEMISTRY

PROJECT PREPARATION

SALARIES AND BENEFITS

B. Butterworth	April 27 - June 11	23.5 days @ $153/day	$ 3,596
D. Odenwald	June 9 - June 12	4 days @ $118/day	472
D. Burgoyne	June 10 - June 12	3 days @ $126/day	378
	Total Project Preparation Costs		4,446
	Total Apportioned Project Preparation Costs		616

FIELD COSTS (including apportionment of Camp Construction Cost)

SALARIES AND BENEFITS

B.P. Butterworth, Project Geologist, August 1-4. 4 days @ $153/day	$ 612
S. Casselman, Geologist, June 23, August 1-5. 6 days @ $130/day	780
H. Holm, Supervising Technician, July 13. 1 day @ $171/day	171
D. Burgoyne, Field Technician, June 21, 26; July 6-7, 9; 5 days @ $106/day	530
K. Richmond, Field Technician, June 21, 26; July 6-7; 4 days @ $106/day	424
T. Watson, Field Technician, August 1-4. 4 days @ $92/day	368
D. Odenwald, Field Technician, June 21, 26; July 7, 9-10. 5 days @ $118/day	590
S. Avaiki Field Technician, June 23-24. 2 days @ $122/day	244
C. Knight, Cook, June 23 - August 6 (Apportioned). 8 days @ $122/day	976
S. Challis, Bull Cook, June 23 - August 6 (Apportioned). 7 days @ $92/day	644
Total Salaries and Benefits	5,339

FOOD AND ACCOMMODATION

10 persons, June 21 - August 6, 1987. 46 man days @ $22/man day	1012

COST STATEMENT (Continued)

FIELD EQUIPMENT RENTAL	
June 21 - August 6. 46 man days @ $3.30/man day	152
FIELD EQUIPMENT PURCHASE AND SUPPLIES (Apportioned)	2119
GEOCHEMICAL ASSAYS AND ANALYSES (Including Freight)	
19 rock samples for 30 element ICP, Au by AA @ $20/sample	380
90 soil samples for 30 element ICP, Au by AA @ $18/sample	1620
24 stream sediment samples for 30 element ICP, Au by AA @ $18/sample	432
TRANSPORTATION	
Helicopter 6.9 hours at $588.50/hour	4048
Fixed Wing (Apportioned)	5006
TRAVEL EXPENSE (Apportioned)	364
EXPEDITING EXPENSE (Apportioned)	270
MOB (Apportioned)	
Salaries and Benefits	323
Vehicle Rental and Expense	138
Food and Accommodation	132
Total Field Costs	21,335
REPORTING	
B. Butterworth - 5 days @ $153/day	765
DRAFTING	
H. Holm - 2 days @ $171/day	342
B. Butterworth - 2 days @ $153/day	306
Typing - 5 hours @ $20.60/hour	103
Reproduction	100
Total Reporting Costs	1616
TOTAL	23,567

COST STATEMENT

GOSSAN 5, 8, 22 MINERAL CLAIM GROUP

GEOLOGY AND GEOCHEMISTRY

FIELD COSTS (including apportionment of Camp Construction Cost)

SALARIES AND BENEFITS

B.P. Butterworth, Project Geologist, July 5-6. 2 days @ $153/day	306
S. Casselman, Geologist, July 5-6, 27. 3 days @ $130/day	390
H. Holm, Supervising Technician, July 14. 1 day @ $171/day	171
D. Burgoyne, Field Technician, July 11-12, 27. 3 days @ $106/day	318
K. Richmond, Field Technician, July 11-12, 2 days @ $106/day	212
T. Watson, Field Technician, July 11; July 27. 2 days @ $92/day	184
D. Odenwald, Field Technician, July 11-12. 2 Days @ $118/day	236
C. Knight, Cook, July 1 - July 27 (Apportioned). 5 days @ $122/day	610
S. Challis, Bull Cook, July 1 - July 27 (Apportioned). 4 days @ $92/day	368
Total Salaries and Benefits	$2,795

FOOD AND ACCOMMODATION

9 persons, July 1 - July 27. 24 man days @ $22/man day	528

COST STATEMENT (Continued)

FIELD EQUIPMENT RENTAL	
July 1 - July 27. 24 man days @ $3.30/man day	79
FIELD EQUIPMENT PURCHASE AND SUPPLIES (Apportioned)	1141
GEOCHEMICAL ASSAYS AND ANALYSES (Including Freight)	
28 rock samples for 30 element ICP, Au by AA @ $20/sample	560
49 soil samples for 30 element ICP, Au by AA @ $18/sample	882
5 stream sediment samples for 30 element ICP, Au by AA @ $18/sample	90
TRANSPORTATION	
Helicopter 4.4 hours @ $588.5/hour	2596
Fixed Wing (Apportioned)	2696
TRAVEL EXPENSE (Apportioned)	196
EXPEDITING EXPENSE (Apportioned)	146
Total Field Costs	11,709
REPORTING	
B.P. Butterworth - 2 days @ $153/day	306
DRAFTING	
H. Holm - 2 days @ $171/day	342
B. Butterworth - 2 days @ $153/day	306
Typing - 5 hours @ $20.60/hour	103
Reproduction	100
Total Reporting Costs	1157
TOTAL	$12,866

COST STATEMENT

GOSSAN 25 MINERAL CLAIM

GEOLOGY AND GEOCHEMISTRY

FIELD COSTS (including apportionment of Demobilization Cost)

SALARIES AND BENEFITS

B.P. Butterworth, Project Geologist, September 9. 1 day @ $153/day	153
D.B. Petersen, Supervisory Geologist, September 14. 1 day @ $239/day	239
S. Casselman, Geologist, September 8, 14-16, 24-26. 7 days @ $130/day	910
T. Watson, Field Technician, September 8, 14-16, 24-26. 7 days @ $92/day	644
C. Knight, Cook, September 8 - September 26 (Apportioned) 5 days @ $122/day	610
S. Challis, Bull Cook, September 8 - September 21 (Apportioned) 4 days @ $92/day	368
Total Salaries and Benefits	2,924

FOOD AND ACCOMMODATION

6 persons, September 8 - September 26. 25 man days @ $22/man day	550

FIELD EQUIPMENT RENTAL

September 8 - September 26. 25 man days @ $3.30/man day	83
FIELD EQUIPMENT PURCHASE AND SUPPLIES (Apportioned)	1145

GEOCHEMICAL ASSAYS AND ANALYSES (Including Freight)

5 rock samples for 30 element ICP, Au by AA @ $20/sample	100

TRANSPORTATION

Helicopter 3.0 hours @ $588.5/hour	1766
Fixed Wing (Apportioned)	1947
Vehicle Rental	49

COST STATEMENT (continued)

TRAVEL EXPENSE (Apportioned)		197
EXPEDITING EXPENSE (Apportioned)		146
MOB (Apportioned)		
	Total Field Costs	$8,907
REPORTING		
B. Butterworth - 5 days @ $153/day		765
DRAFTING		
H. Holm - 2 days @ $171/day		342
B.P. Butterworth - 2 days @ $153/day		306
Typing - 5 hours @ $20.60/hour		103
Reproduction		100
	Total Reporting Costs	1,616
	TOTAL	10,523

APPENDIX I

ASSAY AND ANALYSIS CERTIFICATES

ACME ANALYTICAL LABORATORIES   852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6   PHONE 253-3158   DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-SILT P2-ROCK   AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 25 1987   DATE REPORT MAILED: July 2/87   ASSAYER. D. Toye ...DEAN TOYE, CERTIFIED B.C. ASSAYER

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SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
687L-01	7	360	18	48	.1	1	4	2	55.70	2	20	ND	3	1	1	2	2	2	.01	.006	2	1	.05	2	.01	4	.39	.01	.01	2	1
687L-101	6	29	20	29	.3	5	5	182	2.98	2	5	ND	1	33	1	2	2	75	.20	.064	8	7	.21	37	.26	2	.78	.02	.06	1	1
687L-102	62	31	16	76	.5	9	11	932	4.67	2	15	ND	4	37	1	2	2	74	.44	.119	14	13	.42	78	.41	2	3.11	.05	.06	1	7
687L-103	22	24	16	55	.3	9	16	1386	2.76	2	5	ND	2	70	1	2	2	47	.83	.130	28	4	.50	159	.20	2	2.34	.11	.09	1	1
687L-104	20	14	22	23	.2	5	4	156	4.77	2	5	ND	1	29	1	2	2	98	.17	.067	8	10	.19	43	.21	2	1.34	.02	.04	1	1
687L-105	24	28	22	46	.2	8	19	1108	2.61	2	5	ND	3	44	1	2	2	38	.96	.123	24	13	.27	142	.12	2	5.06	.02	.04	1	1
687L-106	14	35	32	88	.1	13	12	1238	3.50	2	5	ND	2	73	1	2	2	61	1.89	.125	16	30	.53	189	.18	2	2.07	.05	.07	1	1
687L-107	24	75	16	103	.1	11	12	1394	3.13	2	5	ND	5	64	1	2	2	39	1.82	.073	28	12	.55	281	.25	2	2.78	.11	.08	1	1
687L-108	10	25	22	68	.1	16	14	830	4.19	2	5	ND	3	80	1	2	2	78	1.56	.075	18	20	.92	151	.44	2	2.21	.22	.10	1	1
687L-109	7	58	8	191	.2	38	38	3116	1.74	2	5	ND	3	59	2	2	2	30	1.40	.130	38	22	.34	388	.09	4	4.71	.03	.06	1	1
687L-110	7	65	44	117	.3	11	15	2290	5.03	6	5	ND	6	39	1	2	2	84	.29	.073	20	19	.93	130	.15	2	2.78	.04	.12	1	3
687L-111	7	50	18	45	.5	4	5	392	3.99	2	5	ND	1	20	1	2	4	59	.12	.072	18	10	.24	75	.08	2	1.94	.02	.06	2	117
687L-112	9	37	16	76	.3	15	15	1344	4.31	4	5	ND	4	27	1	2	2	48	.26	.092	16	20	.76	277	.07	2	1.55	.04	.10	1	22
687L-113	4	43	16	57	.4	8	7	540	3.04	12	5	ND	1	41	1	2	2	53	.36	.102	14	8	.51	93	.14	2	1.83	.09	.07	1	4
687L-114	3	31	8	54	.2	6	7	404	2.76	2	5	ND	1	44	1	2	2	53	.43	.066	12	8	.53	84	.14	2	1.44	.10	.08	1	1
687L-115	17	72	22	123	.2	10	27	2194	3.49	12	20	ND	5	77	1	2	2	54	.77	.090	32	10	.40	323	.13	2	5.92	.05	.07	1	3
687L-116	4	33	32	54	.8	10	7	682	3.05	2	5	ND	1	35	1	2	2	50	.30	.158	14	9	.55	65	.12	2	1.95	.06	.06	1	2
687L-117	45	29	18	74	.1	6	5	734	4.48	4	5	ND	7	41	1	2	2	38	1.20	.050	28	12	.30	167	.17	2	2.50	.04	.06	1	3
687L-118	4	14	20	67	.1	4	6	886	2.51	4	5	ND	4	53	1	2	2	37	.62	.098	16	5	.56	177	.05	2	1.26	.04	.08	1	1
687L-119	10	12	16	29	.3	4	5	266	3.92	6	5	ND	1	51	1	2	2	66	.51	.064	12	6	.27	195	.05	2	1.66	.02	.04	2	3
687L-120	6	65	38	110	.1	11	13	1208	3.60	6	5	ND	3	65	1	2	2	63	.75	.123	12	10	1.04	289	.09	2	1.67	.02	.21	1	4
687L-121	22	12	42	84	.1	5	8	1092	2.29	4	5	ND	3	89	1	2	2	37	.72	.073	12	4	.68	234	.07	2	1.47	.03	.05	1	3
687L-122	12	11	10	71	.1	7	8	1162	2.57	6	20	ND	2	169	1	2	2	48	1.45	.077	16	8	.63	282	.16	2	1.55	.11	.08	1	1
687L-123	8	16	10	83	.1	7	10	1962	3.74	4	5	ND	6	78	1	2	2	46	1.13	.133	22	3	1.08	319	.05	2	1.85	.02	.08	1	2
687L-201	9	307	16	176	.5	35	45	3062	7.90	16	5	ND	3	45	1	2	2	109	.68	.183	12	66	2.36	97	.15	2	2.83	.01	.24	1	32
687L-202	5	181	46	499	.6	31	33	3340	7.89	28	5	ND	3	40	3	2	2	152	.92	.139	14	94	2.74	137	.16	2	3.13	.01	.44	1	75
687L-203	14	102	14	128	.1	9	37	1354	6.56	14	5	ND	5	66	1	2	2	50	.65	.150	14	12	1.26	104	.13	2	1.68	.08	.09	1	17
687L-204	6	213	10	174	.2	15	31	1422	2.73	12	5	ND	1	92	1	2	2	32	1.14	.132	36	7	.89	146	.08	2	1.60	.04	.13	1	8
687L-205	2	419	8	75	.3	5	11	336	.84	2	5	ND	1	13	1	4	2	5	.12	.073	14	3	.07	10	.01	4	8.52	.01	.02	2	1
687L-206	19	238	8	104	.1	7	15	748	7.87	8	5	ND	2	34	1	2	2	30	.23	.076	10	6	.51	34	.08	2	2.45	.02	.06	1	114
STD C/AU-S	22	61	36	134	6.7	67	28	1012	4.01	42	20	8	34	48	17	18	20	62	.47	.087	36	57	.90	171	.08	36	1.76	.06	.13	15	53
687L-207	6	259	28	242	.5	14	31	1494	2.99	10	5	ND	4	39	1	2	2	46	.55	.110	12	10	.74	115	.08	2	4.81	.02	.27	1	40
687L-208	10	82	8	151	.1	8	17	1110	3.38	4	5	ND	6	53	1	2	2	40	.70	.140	10	9	1.16	101	.08	2	1.51	.03	.08	1	9
687L-209	5	31	8	82	.2	7	9	884	2.79	14	5	ND	5	91	1	2	2	42	.87	.119	10	9	.97	89	.06	2	1.35	.02	.13	1	1

Stream Sediment Geochemistry

ACME ANALYTICAL LABORATORIES   852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6   PHONE 253-3158   DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-2 SOIL P3-ROCK   AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 17 1987   DATE REPORT MAILED: July 27/87   ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

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SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L6-L12+00S 0+00	9	26	73	81	.9	11	4	609	5.43	17	5	ND	6	75	1	2	2	61	.27	.107	15	37	1.11	273	.26	7	2.27	.02	.13	3	96
L6-L12+00S 0+50E	2	80	30	36	.5	4	2	58	.82	2	5	ND	1	7	1	2	2	14	.07	.123	37	4	.15	28	.06	2	6.05	.03	.04	1	4
L6-L12+00S 1+00E	8	15	30	48	.7	6	5	174	6.45	7	5	ND	3	24	1	2	2	62	.26	.068	19	20	.32	26	.32	3	3.06	.08	.06	2	1
L6-L12+00S 1+50E	13	26	42	62	.1	3	9	239	17.47	16	5	ND	4	22	1	2	2	110	.12	.067	7	22	.25	31	.55	7	1.33	.03	.04	1	1
L6-L12+00S 1+75E	8	14	25	61	.1	10	12	305	8.24	6	5	ND	5	76	1	2	2	72	.61	.070	11	15	.82	76	.44	5	1.45	.16	.10	1	1
L6-L12+00S 2+25E	8	10	22	45	.1	3	5	195	6.14	2	5	ND	4	28	1	4	2	123	.24	.064	19	14	.26	37	.63	10	1.10	.05	.05	2	2
L6-L12+00S 2+75E	28	16	31	57	.3	5	4	162	6.62	2	5	ND	3	28	1	2	2	68	.29	.082	19	19	.27	30	.38	4	3.25	.05	.06	1	1
L6-L12+00S 3+25E	13	57	32	94	.1	6	6	378	7.56	8	5	ND	3	46	1	2	2	52	.19	.080	12	21	.67	56	.17	5	1.93	.01	.06	1	4
L6-L12+00S 3+75E	12	15	26	69	.1	5	5	780	8.41	6	5	ND	4	33	1	2	2	58	.35	.079	22	17	.18	61	.33	9	2.38	.06	.07	1	1
L6-L12+00S 4+25E	12	22	27	70	.1	4	6	554	8.06	6	5	ND	4	29	1	2	2	63	.20	.066	15	17	.30	25	.34	5	1.44	.03	.05	1	4
L6-L12+00S 4+75E	14	15	21	68	.1	3	7	324	8.67	7	5	ND	3	16	1	2	2	85	.16	.058	20	18	.26	17	.48	10	2.12	.07	.07	2	1
L6-L12+00S 5+25E	11	15	35	75	.2	4	6	217	8.33	6	5	ND	6	21	1	2	2	47	.18	.119	22	14	.22	19	.33	8	2.55	.07	.07	1	1
L6-L12+00S 5+75E	8	15	31	49	.5	6	3	146	5.10	4	5	ND	2	12	1	2	2	53	.13	.079	25	17	.17	16	.36	7	3.27	.05	.06	1	1
L6-L12+00S 6+25E	2	8	5	69	.1	9	10	358	2.74	2	5	ND	1	67	1	2	2	67	.79	.089	6	12	.81	63	.50	2	1.17	.21	.11	1	1
L6-L14+00S 0+50E	12	19	33	58	.3	2	5	467	9.39	6	5	ND	4	7	1	2	2	59	.07	.067	23	20	.13	16	.34	6	3.20	.03	.06	1	2
L6-L14+00S 1+00E	5	11	14	51	.2	9	8	251	5.13	2	5	ND	3	45	1	2	2	81	.43	.097	14	16	.53	37	.48	2	1.81	.12	.08	1	1
L6-L14+00S 1+50E	5	13	15	47	.1	6	8	287	4.60	3	5	ND	3	60	1	3	2	112	.44	.079	8	15	.50	63	.63	2	1.41	.10	.06	1	1
L6-L14+00S 2+00E	13	25	39	60	.3	1	6	370	12.60	9	5	ND	8	18	1	2	2	74	.10	.062	23	19	.17	78	.42	12	2.36	.04	.06	1	3
L6-L14+00S 2+50E	23	40	38	69	.1	4	8	358	9.37	7	5	ND	5	23	1	3	2	105	.11	.065	17	26	.26	26	.54	5	2.01	.03	.04	1	2
L6-L14+00S 3+00E	17	21	23	62	.1	6	8	275	9.03	10	5	ND	5	31	1	4	2	121	.21	.070	14	18	.27	35	.70	2	1.31	.06	.05	2	1
L6-L14+00S 3+50E	7	13	14	50	.1	6	7	199	6.10	3	5	ND	4	35	1	5	2	117	.33	.106	12	17	.46	33	.75	8	1.28	.12	.08	1	2
L6-L14+00S 4+00E	8	18	18	60	.3	2	5	605	5.43	5	5	ND	3	51	1	2	3	54	.29	.086	14	13	.51	40	.24	6	1.96	.02	.05	1	2
L6-L14+00S 4+50E	13	60	36	100	.3	10	6	1061	7.26	8	5	ND	6	52	1	2	3	66	.21	.195	12	26	1.00	66	.27	2	2.00	.01	.09	1	21
L6-L14+00S 5+00E	11	18	29	71	.1	2	5	2341	8.11	10	5	ND	4	14	1	2	3	47	.21	.224	20	14	.12	45	.26	6	2.48	.03	.06	1	2
L6-L14+00S 5+50E	15	28	21	84	.1	3	5	304	8.21	11	5	ND	5	39	1	3	3	66	.19	.122	18	13	.34	46	.32	3	1.31	.02	.05	1	4
L6-L14+00S 6+00E	9	39	32	89	.5	3	10	1425	5.51	7	5	ND	4	17	1	2	2	32	.12	.083	25	13	.22	25	.20	9	4.14	.05	.06	1	1
L6-L14+00S 6+50E	8	27	39	108	.1	11	28	3990	6.12	2	8	ND	1	40	1	3	2	103	.30	.092	12	21	.49	122	.31	4	2.30	.08	.07	2	1
L6-L14+00S 7+00E	8	14	15	67	.2	5	10	1990	4.93	2	7	ND	2	45	1	2	2	79	.27	.084	10	15	.52	54	.22	3	1.95	.04	.06	1	1
L6-L14+00S 7+50E	1	9	5	58	.4	9	6	357	2.27	2	5	ND	1	44	1	2	2	36	.47	.141	6	8	.47	44	.21	2	1.25	.11	.08	1	3
L6-L14+00S 8+00E	9	15	21	55	.1	6	5	218	7.95	4	5	ND	3	14	1	4	2	76	.11	.059	21	19	.15	20	.46	4	2.35	.06	.06	1	1
L6-L16+00S 0+25E	6	38	11	66	.3	6	9	671	6.38	3	5	ND	2	40	1	2	2	67	.37	.154	8	15	.55	59	.22	2	2.00	.07	.07	2	1
L6-L16+00S 0+75E	13	23	30	58	.1	4	6	207	15.31	11	5	ND	8	10	1	2	2	121	.05	.120	19	22	.08	23	.66	2	1.92	.02	.04	1	1
L6-L16+00S 1+25E	28	94	27	126	.1	8	21	604	6.75	15	5	ND	5	68	1	2	6	40	.42	.175	11	12	.80	95	.12	6	1.83	.01	.04	1	26
L6-L16+00S 1+75E	25	50	43	85	.2	6	10	481	6.84	7	5	ND	5	55	1	2	2	84	.32	.091	12	18	.71	65	.35	3	2.75	.04	.04	1	1
L6-L16+00S 2+25E	14	21	15	56	.1	4	5	290	5.21	6	5	ND	4	63	1	2	2	43	.42	.081	12	9	.51	23	.19	4	1.54	.01	.04	1	25
L6-L16+00S 2+75E	151	12	30	91	.3	2	2	134	3.74	8	125	ND	8	198	1	5	2	30	1.14	.039	48	8	.07	28	.37	4	2.22	.04	.05	1	1
STD C/AU-S	18	62	43	133	6.9	73	27	920	4.13	37	15	8	38	53	18	15	22	63	.52	.088	38	61	.94	182	.09	32	1.81	.07	.14	12	52

Soil Geochemistry

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
L6-L16+00S 3+25E	34	17	33	64	.4	8	5	209	8.89	13	8	ND	4	23	1	3	2	109	.18	.053	26	16	.13	35	.56	2	1.24	.03	.05	2	3
L6-L16+00S 3+75E	17	20	23	68	.4	4	6	286	12.94	18	5	ND	6	29	1	2	2	139	.22	.070	23	21	.16	31	.51	2	1.81	.01	.04	1	4
L6-L16+00S 4+25E	20	17	21	65	.1	4	6	425	11.08	9	6	ND	5	15	1	2	3	109	.12	.128	21	18	.18	25	.53	2	1.71	.05	.06	1	4
L6-L16+00S 4+75E	17	21	27	61	.3	4	8	359	9.88	11	5	ND	5	26	1	2	2	101	.14	.090	17	15	.22	27	.42	2	1.67	.02	.04	2	20
L6-L16+00S 5+25E	23	14	27	55	.2	4	8	406	7.64	6	5	ND	4	46	1	2	2	98	.29	.052	19	18	.42	26	.48	2	2.21	.05	.05	2	1
L6-L16+00S 5+75E	61	15	29	65	.3	7	6	316	8.22	11	6	ND	5	13	1	2	2	123	.12	.077	21	24	.26	19	.63	2	1.86	.05	.07	1	2
L6-L16+00S 6+25E	7	11	6	43	.1	5	7	725	2.54	2	5	ND	1	64	1	2	2	55	.37	.058	8	5	.56	54	.15	2	1.14	.07	.05	2	4
L6-L16+00S 6+75E	17	18	22	60	.4	3	6	359	6.68	5	5	ND	2	21	1	2	2	56	.16	.073	25	19	.15	19	.25	2	3.19	.04	.06	4	6
L6-L16+00S 7+25E	14	14	18	74	.4	3	11	1630	5.31	2	5	ND	1	25	1	2	2	86	.18	.071	13	14	.32	35	.25	2	1.79	.04	.06	1	2
L6-L16+00S 7+75E	40	11	16	64	.4	6	6	336	5.22	2	7	ND	2	31	1	2	2	97	.19	.055	11	16	.42	26	.39	6	1.86	.05	.05	1	3
L6-L18+00S 0+25E	16	9	26	51	.4	1	4	196	6.59	8	5	ND	5	16	1	4	2	148	.11	.044	29	10	.09	32	.72	3	1.02	.02	.04	1	7
L6-L18+00S 0+50E	4	14	14	57	.1	6	7	294	3.01	4	5	ND	1	62	1	2	2	77	.33	.043	9	11	.54	91	.16	2	1.34	.04	.11	1	1
L6-L18+00S 1+00E	6	15	21	40	.6	3	4	160	3.90	8	7	ND	3	17	1	4	2	100	.11	.042	23	8	.20	37	.44	2	1.02	.02	.07	2	1
L6-L18+00S 1+50E	10	13	18	43	.9	2	3	371	3.45	3	8	ND	1	46	1	2	2	57	.22	.070	18	13	.31	27	.19	4	1.90	.02	.06	1	2
L6-L18+00S 2+00E	59	27	24	71	.6	6	8	312	8.74	9	6	ND	6	37	1	2	2	63	.26	.060	20	18	.43	28	.27	2	2.50	.06	.07	1	1
L6-L18+00S 2+50E	59	32	13	102	.1	6	15	1266	3.83	4	67	ND-	3	136	1	2	2	49	.76	.105	33	10	.65	104	.18	2	1.89	.07	.07	2	5
L6-L18+00S 3+00E	47	19	15	101	.2	17	21	405	4.08	2	5	ND	3	175	1	2	2	118	1.70	.073	15	21	1.20	86	.65	5	2.41	.56	.20	1	1
L6-L18+00S 3+50E	72	27	28	85	.7	14	14	1597	5.49	2	12	ND	2	110	1	2	2	77	.78	.075	65	21	.74	50	.34	2	2.87	.06	.06	1	1
L6-L18+00S 4+00E	9	24	22	67	.2	7	7	350	6.63	6	5	ND	3	51	1	2	2	91	.29	.049	9	15	.62	56	.33	2	1.48	.05	.05	1	2
L6-L18+00S 4+50E	7	12	23	53	.1	6	6	325	5.26	6	6	ND	4	68	1	2	2	86	.32	.049	10	14	.61	47	.30	3	1.68	.04	.05	1	1
L6-L18+00S 5+00E	16	10	16	44	.1	1	5	320	5.16	7	5	ND	3	50	1	2	2	105	.24	.109	13	9	.41	27	.29	6	1.16	.02	.03	1	2
L6-L18+00S 5+50E	9	14	32	50	.3	6	4	171	7.74	8	5	ND	5	26	1	2	2	74	.17	.064	26	17	.18	40	.42	3	1.64	.06	.06	1	1
L6-L18+00S 6+00E	11	13	22	64	.1	7	9	417	7.42	7	5	ND	3	75	1	2	2	72	.59	.063	18	17	.65	38	.41	3	1.90	.20	.11	1	2
L6-L18+00 6+50E	5	14	16	41	.1	7	6	146	3.77	2	7	ND	2	37	1	4	2	150	.31	.043	9	15	.33	43	.91	5	.89	.09	.05	1	1
L6-L18+00S 7+00E	17	13	21	69	.2	5	6	254	6.32	8	9	ND	3	39	1	4	2	109	.36	.053	21	13	.24	50	.56	5	.95	.05	.07	1	1
L6-L18+00S 7+50E	45	46	19	135	.3	11	13	1151	5.07	9	35	ND	3	105	1	2	2	62	.58	.101	51	17	.43	139	.18	2	3.37	.05	.07	1	1
L6-L18+00S 8+00E	12	20	16	62	.1	6	6	243	4.04	5	6	ND	3	58	1	2	2	97	.28	.031	11	10	.44	89	.18	2	1.67	.06	.05	1	18
STD C/AU-S	18	62	37	133	7.2	72	29	947	4.05	37	17	7	40	52	18	16	21	72	.50	.086	39	60	.92	180	.08	36	1.79	.07	.14	13	53

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L6 L10+00S 9+50W	7	80	7	132	.3	8	19	1090	6.05	3	5	ND	2	34	1	2	3	57	.17	.093	16	10	.75	28	.19	3	2.18	.03	.05	1	9
L6 L10+00S 9+00W	11	74	16	124	.9	9	24	1218	7.11	10	5	ND	3	50	1	2	7	70	.27	.140	13	21	.82	39	.28	3	2.67	.05	.06	1	64
L6 L10+00S 8+50W	6	45	10	99	.3	6	8	391	7.48	6	5	ND	2	44	1	2	3	43	.19	.104	13	14	.59	29	.14	3	2.55	.01	.05	1	61
L6 L10+00S 7+75W	10	205	22	234	.5	13	29	1190	7.15	17	5	ND	4	70	1	2	4	58	.25	.196	11	12	1.04	37	.21	4	2.09	.03	.07	1	37
L6 L10+00S 7+50W	8	115	79	124	1.0	10	10	738	5.32	9	5	ND	1	37	1	2	2	75	.17	.117	7	15	.65	23	.22	3	1.92	.02	.06	1	8
L6 L10+00S 7+00W	11	115	124	153	.7	7	13	760	5.64	26	5	ND	2	40	1	2	3	49	.19	.123	14	12	.58	23	.14	4	2.18	.02	.05	2	22
L6 L10+00S 6+50W	8	36	21	90	.4	6	7	868	4.53	5	5	ND	1	52	1	2	2	74	.24	.100	6	12	.53	41	.25	3	1.44	.02	.07	1	6
L6 L10+00S 6+00W	6	33	17	142	.4	7	6	475	6.61	8	5	ND	2	45	1	2	2	65	.20	.081	13	13	.74	24	.19	5	2.05	.02	.04	1	5
L6 L10+00S 5+50W	5	62	22	142	.1	7	12	668	5.07	13	5	ND	2	79	1	2	2	46	.38	.118	7	10	1.00	25	.10	4	2.04	.01	.05	2	14
L6 L10+00S 5+00W	3	33	11	95	.5	15	15	598	6.40	7	5	ND	3	36	1	2	2	89	.28	.115	10	14	.90	31	.45	5	2.90	.05	.07	1	15
L6 L10+00S 4+50W	5	80	21	68	.4	8	6	400	10.31	2	5	ND	4	31	1	2	2	75	.13	.234	13	15	.60	21	.20	5	1.75	.03	.06	1	9
L6 L14+00S 12+00W	7	80	18	88	.4	5	19	1370	5.37	6	5	ND	2	49	1	2	3	51	.31	.163	14	7	.74	49	.10	10	1.90	.04	.09	1	39
L6 L14+00S 11+50W	7	28	15	64	.3	4	8	446	6.46	5	5	ND	1	31	1	2	2	43	.15	.109	10	4	.33	36	.11	6	1.87	.01	.05	2	16
L6 L14+00S 11+00W	5	20	10	55	.2	4	8	770	5.82	6	5	ND	1	30	1	2	2	81	.16	.093	8	8	.45	35	.14	5	1.54	.01	.06	1	5
L6 L14+00S 10+50W	5	41	15	69	.2	5	12	827	4.87	8	5	ND	2	38	1	2	2	50	.17	.082	9	11	.61	49	.11	5	2.16	.02	.08	1	11
L6 L14+00S 10+00W	32	42	15	79	.6	3	44	869	12.02	7	5	ND	14	13	1	2	2	61	.06	.244	5	1	.83	38	.13	6	1.51	.01	.05	1	18
L6 L14+00S 9+50W	13	74	16	59	.2	3	17	611	4.72	6	5	ND	3	42	1	4	2	31	.19	.109	10	6	.59	37	.09	4	1.65	.01	.08	1	76
L6 L14+00S 9+00W	7	24	11	64	.1	6	12	1153	4.88	2	5	ND	1	52	1	2	2	66	.32	.130	8	4	.44	58	.18	6	1.52	.05	.08	1	25
L6 L14+00S 8+50W	16	41	14	66	.2	4	11	1184	5.96	2	5	ND	1	45	1	2	2	68	.12	.109	10	7	.41	43	.14	6	2.59	.01	.05	1	6
L6 L14+00S 8+00W	12	94	20	70	.5	4	7	375	7.80	4	5	ND	2	29	1	2	2	58	.12	.124	13	11	.41	23	.17	7	2.21	.01	.04	1	8
STD C/AU-S	18	57	38	124	6.9	65	28	920	3.95	39	19	7	32	47	17	16	19	55	.49	.087	37	54	.89	170	.08	35	1.73	.05	.14	12	49

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L6 L14+00S 7+50W	14	84	27	61	.5	3	11	555	11.28	7	5	ND	3	31	1	2	2	48	.20	.233	9	7	.40	26	.14	10	2.21	.02	.05	1	4
L6 L14+00S 7+00W	11	39	14	47	.4	4	4	265	4.12	2	5	ND	1	72	1	2	2	68	.28	.137	7	8	.53	51	.14	5	1.44	.03	.06	2	1
L6 L14+00S 6+50W	23	84	22	51	.3	3	5	294	6.53	3	5	ND	2	36	1	2	2	43	.17	.188	12	5	.52	44	.13	7	3.19	.02	.05	1	140
L6 L14+00S 6+00W	14	29	22	69	.3	5	9	971	5.67	3	5	ND	1	31	1	3	2	76	.25	.101	10	13	.39	40	.37	7	1.80	.05	.08	1	7
L6 L14+00S 5+50W	13	48	22	60	.1	5	6	624	7.52	6	5	ND	2	28	1	2	2	63	.16	.152	10	12	.53	39	.25	7	1.63	.03	.10	1	7
L6 L14+00S 5+00W	28	547	23	167	.3	20	52	1651	8.19	7	5	ND	2	40	1	9	2	45	.45	.159	29	19	1.16	83	.15	8	3.21	.09	.08	3	50
L6 L14+00S 4+50W	9	24	18	37	.2	3	2	140	3.78	7	5	ND	1	32	1	2	4	78	.18	.093	11	9	.23	103	.39	4	1.23	.02	.07	1	124
L6 L14+00S 4+00W	9	12	25	56	.3	10	4	623	5.60	4	5	ND	2	41	1	2	2	104	.20	.071	9	31	.62	49	.62	6	2.01	.04	.06	1	73
L6 L14+00S 3+50W	12	25	20	45	.3	3	2	218	6.25	9	5	ND	2	36	1	2	3	57	.17	.088	8	9	.40	64	.19	5	1.45	.02	.07	2	68
L6 L14+00S 3+00W	4	10	50	61	.3	7	1	456	3.25	12	5	ND	1	42	1	2	2	108	.25	.090	5	26	.88	57	.33	3	1.73	.02	.04	1	39
L6 L14+00S 2+50W	11	16	27	51	.3	4	2	338	6.13	6	5	ND	2	40	1	5	2	81	.14	.087	12	19	.35	47	.37	5	1.96	.02	.05	1	45
L6 L14+00S 2+00W	12	18	22	66	.4	5	6	1158	7.03	16	5	ND	2	39	1	2	2	72	.20	.102	14	20	.54	79	.30	7	2.34	.03	.08	2	7
L6 L14+00S 1+50W	15	70	28	71	.4	7	7	473	7.11	13	5	ND	3	42	1	2	3	111	.20	.101	23	16	.46	69	.46	6	1.80	.03	.06	1	28
L6 L14+00S 1+00W	13	22	26	61	1.0	4	3	339	9.41	18	5	ND	4	29	1	2	3	83	.14	.118	24	26	.28	25	.46	7	3.02	.03	.06	1	33
L6 L14+00S 0+50W	16	37	30	102	.6	9	4	526	7.19	26	5	ND	3	34	1	10	2	64	.18	.071	14	45	.80	50	.35	5	3.88	.03	.06	6	46
L6 L14+00S 0+00W	11	47	23	70	1.7	5	5	629	12.20	32	5	ND	4	29	1	3	7	73	.24	.145	18	18	.22	15	.47	7	2.51	.03	.06	1	33
L6 L16+00S 10+00W	10	51	27	69	.3	1	6	899	6.54	16	5	ND	15	3	1	6	8	12	.05	.042	29	6	.09	36	.14	5	5.67	.08	.07	6	4
L6 L16+00S 9+50W	50	148	29	80	.2	3	38	754	13.37	7	5	ND	6	67	1	2	2	30	.35	.198	17	3	.55	12	.07	5	6.25	.01	.04	1	5
L6 L16+00S 9+25W	13	58	25	62	1.6	8	9	366	6.83	15	5	ND	2	28	1	4	2	76	.18	.125	12	15	.34	26	.23	6	1.70	.03	.05	1	2
L6 L16+00S 8+75W	15	76	22	77	.5	5	9	536	6.54	13	5	ND	2	51	1	2	2	52	.23	.126	10	11	.75	60	.13	5	2.46	.02	.08	1	12
L6 L16+00S 8+25W	13	34	27	63	.6	4	4	200	9.95	15	5	ND	3	20	1	4	4	70	.10	.156	14	11	.24	29	.27	6	1.07	.02	.06	1	3
L6 L16+00S 7+75W	10	24	23	45	.6	7	3	272	5.33	13	5	ND	1	63	1	2	2	62	.31	.107	7	11	.44	94	.22	4	1.31	.02	.07	2	10
L6 L16+00S 7+25W	22	105	19	87	.7	6	6	352	7.57	7	5	ND	3	37	1	2	6	75	.27	.120	31	11	.36	46	.28	7	1.96	.05	.10	1	5
L6 L16+00S 6+75W	22	40	21	66	.5	4	4	530	8.03	17	5	ND	2	28	1	9	10	72	.22	.123	23	10	.20	62	.34	6	1.16	.02	.09	1	38
L6 L16+00S 6+25W	8	58	14	72	.4	6	23	913	4.31	10	5	ND	5	111	1	4	2	43	.66	.143	11	8	1.11	132	.16	2	2.55	.04	.13	1	9
L6 L16+00S 5+75W	13	29	22	57	.8	4	4	456	8.36	10	5	ND	4	33	1	2	2	60	.15	.155	17	7	.34	44	.30	5	1.42	.02	.06	1	1
L6 L16+00S 5+25W	5	25	9	55	.2	4	6	376	4.43	11	5	ND	1	82	1	2	2	45	.46	.136	7	6	.60	134	.14	3	1.46	.02	.10	1	7
L6 L16+00S 4+75W	8	125	15	49	.7	5	24	647	3.97	5	5	ND	2	36	1	2	2	52	.19	.117	9	10	.37	56	.22	3	3.28	.04	.06	4	19
L6 L16+00S 4+25W	13	53	21	69	.3	5	4	196	15.07	9	5	ND	5	28	1	2	2	127	.13	.115	13	12	.28	42	.68	4	1.34	.03	.06	1	8
L6 L16+00S 3+75W	8	143	14	62	.6	6	4	210	17.51	2	5	ND	3	46	1	2	2	58	.21	.074	11	14	.50	47	.25	5	2.29	.02	.07	1	13
L6 L16+00S 3+25W	4	309	19	63	.1	4	5	244	28.18	26	5	ND	5	13	1	2	2	166	.08	.422	17	31	.26	20	.28	3	2.15	.03	.04	1	2
L6 L16+00S 2+75W	1	700	20	83	.3	4	8	118	41.97	13	7	ND	3	30	1	2	2	88	.29	.153	3	10	.43	19	.21	2	1.33	.13	.09	1	4
L6 L16+00S 2+25W P	1	371	9	75	.4	9	5	73	16.39	5	5	ND	3	14	1	2	2	11	.15	.132	29	9	.19	12	.03	4	1.32	.04	.06	1	2
L6 L16+00S 1+75W	4	307	20	95	.5	3	4	73	28.44	6	5	ND	3	16	1	2	2	71	.08	.092	4	5	.14	21	.25	3	1.22	.02	.04	1	1
L6 L16+00S 1+25W	18	121	19	52	.2	3	3	206	9.20	14	5	ND	5	44	1	2	9	118	.23	.136	28	9	.29	30	.45	2	1.63	.01	.05	1	6
L6 L16+00S 0+75W P	1	276	2	97	.7	15	7	91	.88	2	5	ND	3	41	1	2	3	14	.58	.115	70	5	.21	43	.03	5	2.85	.06	.07	1	1
STD C/AU-S	20	58	42	131	7.3	68	29	964	4.31	41	21	7	34	49	18	17	21	58	.53	.094	39	53	.92	178	.09	35	1.88	.05	.14	13	50

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L6 L16+00S 0+25W	6	40	14	50	.7	6	4	188	5.40	12	5	ND	1	40	1	2	4	53	.26	.072	13	9	.41	38	.20	2	1.87	.05	.05	2	7
L6 L17+00S 9+00W	5	117	13	113	.2	13	23	847	5.52	13	5	ND	4	62	1	2	2	69	.70	.129	10	14	1.34	73	.23	2	1.63	.11	.13	1	8
L6 L17+00S 8+50W	2	93	6	99	.2	16	25	821	4.57	11	5	ND	3	64	1	2	2	74	.77	.123	11	17	1.43	60	.28	3	1.63	.17	.12	1	2
L6 L17+00S 7+50W	4	64	2	90	.3	12	21	747	4.39	5	5	ND	5	90	1	2	2	67	.84	.104	11	11	1.34	109	.33	3	1.81	.23	.14	2	5
L6 L17+00S 7+00W	5	162	5	68	.2	8	18	767	3.99	7	5	ND	5	66	1	2	3	33	.36	.119	13	9	.80	91	.08	6	1.74	.01	.07	1	15
L6 L18+00S 7+00W	5	160	5	69	.1	6	20	799	3.61	10	5	ND	3	61	1	2	2	32	.36	.103	15	9	.78	89	.07	3	1.62	.01	.06	3	21
L6 L18+00S 6+50W	2	68	8	105	.2	11	15	778	3.81	10	5	ND	3	57	1	2	2	58	.65	.107	9	11	1.10	56	.19	2	1.46	.12	.12	1	2
L6 L18+00S 6+00W	1	111	27	234	1.0	19	20	1192	4.76	19	8	ND	3	62	1	2	2	77	.98	.129	9	12	1.35	78	.25	4	1.44	.12	.20	1	62
L6 L18+00S 5+50W	3	105	34	219	.5	14	17	1229	4.73	21	5	ND	4	41	1	4	2	78	.73	.161	10	13	1.20	106	.15	3	1.51	.01	.24	1	16
L6 L18+00S 5+00W	2	96	28	373	.5	16	20	1309	4.79	27	5	ND	3	51	2	2	2	70	.72	.133	9	15	1.15	76	.20	3	1.43	.08	.17	1	32
L6 L18+00S 4+50W	3	110	24	180	.5	14	18	1055	4.81	17	5	ND	4	57	1	2	2	72	.81	.155	11	17	1.23	91	.19	3	1.53	.05	.18	2	34
L6 L18+00S 4+00W	4	613	57	685	1.1	67	113	8599	4.20	31	5	ND	4	45	6	2	2	59	.63	.107	23	16	1.10	103	.14	5	5.97	.04	.12	1	29
L6 L18+00S 3+50W	5	197	21	111	1.0	11	21	689	3.98	12	5	ND	4	56	1	3	2	63	.52	.104	15	13	.91	50	.20	3	2.44	.08	.10	1	7
L6 L18+00S 3+00W	7	269	2	77	.6	6	8	334	6.06	5	5	ND	2	38	1	2	4	47	.24	.070	15	8	.53	35	.13	3	1.80	.02	.06	1	1
L6 L18+00S 2+50W	3	150	12	131	.7	12	17	644	4.67	15	5	ND	3	46	1	2	2	75	.53	.084	10	15	1.17	48	.25	4	1.86	.12	.15	1	8
L6 L18+00S 2+00W	2	113	7	83	.4	10	15	484	3.34	4	5	ND	3	49	1	2	3	48	.49	.054	12	10	.84	44	.22	2	1.53	.14	.09	1	1
L6 L18+00S 1+75W	8	29	10	58	.2	5	5	246	5.35	7	5	ND	4	44	1	2	3	78	.19	.029	7	8	.66	58	.12	4	2.18	.01	.07	1	1
L6 L18+00S 1+00W	20	263	5	31	.8	7	2	25	.82	2	5	ND	2	11	1	2	3	17	.13	.087	40	7	.08	17	.06	2	7.73	.01	.03	1	1
L6 L18+00S 0+50W	8	32	18	61	.1	5	5	249	9.67	9	5	ND	4	39	1	2	3	53	.20	.054	6	14	.48	33	.23	4	1.78	.01	.04	1	1
L6 L18+00S 0+00W	8	13	11	37	.2	3	4	178	5.92	13	5	ND	4	39	1	4	4	121	.17	.138	11	9	.34	28	.20	4	1.92	.01	.04	4	1
STD C/AU-S	20	62	40	132	7.2	71	29	957	4.10	43	18	7	38	49	20	15	23	66	.52	.092	38	60	.95	178	.08	36	1.83	.05	.14	14	53

WESTERN CANADIAN PROJECT#9102 FILE # 87-1998

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
687R-101	6	11	2	16	.1	2	2	234	1.95	2	5	ND	7	86	1	2	2	26	.70	.076	7	2	.60	131	.10	2	1.14	.07	.05	1	1
687R-001	5	9	5	10	.1	2	6	75	3.24	4	5	ND	3	47	1	2	3	25	.29	.052	3	3	.17	33	.08	2	.47	.06	.09	1	3
687R-002	9	13	11	47	.2	2	74	271	8.55	7	7	ND	2	61	1	2	2	29	.39	.070	3	2	.94	26	.08	2	1.30	.04	.12	2	8
687R-003	4	70	2	27	.7	4	3	279	2.10	6	6	ND	1	38	1	2	3	24	.89	.046	2	11	.43	13	.20	2	.73	.02	.04	4	23
687R-004	12	61	2	29	.5	7	4	316	2.08	2	5	ND	2	61	1	2	2	42	1.71	.262	10	18	.55	57	.27	2	.95	.07	.12	2	3
687R-005	14	153	11	75	.9	4	3	157	11.98	23	5	ND	3	16	1	2	29	46	.07	.054	2	2	.58	242	.13	2	1.28	.04	.44	21	65
STD C/AU-R	20	57	40	134	6.7	66	27	983	3.90	38	22	7	34	47	17	16	19	62	.44	.084	35	55	.86	177	.08	34	1.75	.06	.12	13	495

Rock Geochemistry

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
687-R-519	1	8	29	93	.3	1	2	660	2.76	12	7	ND	5	171	1	2	3	20	.26	.097	12	2	.72	203	.07	8	.85	.05	.11	1	6
687-R-520	4	13	16	49	.7	1	5	208	3.55	16	5	ND	3	9	1	2	2	6	.19	.099	3	1	.27	61	.01	5	.47	.01	.14	1	5
687-R-521	1	4	2	9	.1	2	3	232	2.25	5	5	ND	1	8	1	5	2	1	.09	.012	2	1	.10	40	.01	4	.10	.01	.05	1	265
687-R-522	2	6	2	18	.1	2	6	821	2.64	6	5	ND	6	43	1	2	2	9	1.54	.063	6	1	.57	56	.01	4	.72	.01	.15	1	29
687-R-523	8	27	109	40	1.3	3	1	273	2.18	29	7	ND	1	72	1	2	2	12	.11	.071	4	7	.25	73	.06	2	.47	.01	.13	3	165
687-R-524	1	37	9	18	.3	8	20	241	2.69	2	5	ND	1	5	1	2	3	2	.03	.005	2	2	.03	56	.01	4	.22	.01	.03	2	4
STD C/AU-R	18	56	39	128	7.1	67	28	953	4.08	41	18	7	34	49	18	15	23	57	.50	.092	38	57	.92	178	.08	33	1.76	.06	.14	12	505

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

AUG 12 1987

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-ROCK P2 TO P3-SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 2 1987 DATE REPORT MAILED: Aug 11/87 ASSAYER. D. Toye. .DEAN TOYE, CERTIFIED B.C. ASSAYER

WESTERN CANADIAN MINING PPROJECT-GOSSAN # 9102 File [redacted] Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
687R 543	3	10	10	8	.2	2	6	83	3.55	5	5	ND	4	76	1	4	2	17	.51	.075	4	1	.11	39	.07	2	.50	.03	.11	1	22
687R 544	2	10	5	61	.3	20	40	632	5.10	13	5	ND	1	60	1	2	2	68	.49	.075	3	20	2.51	27	.16	3	1.89	.05	.07	1	24
STD C/AU-R	18	59	41	132	7.5	70	28	945	3.95	41	21	7	38	51	19	18	21	58	.48	.091	38	59	.88	180	.08	38	1.85	.06	.14	14	510

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock Chips AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 5 1987 DATE REPORT MAILED: Sept 14/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

WESTERN CANADIAN PROJECT-GOSSAN #9102 File # 87-3940 Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
687R-131	1	41	262	519	4.1	3	2	102	1.55	133	5	ND	3	43	2	9	2	32	.59	.161	6	14	.04	124	.19	5	.40	.01	.23	3	53
687R-132	2	24	19	101	.4	85	32	1652	7.56	23	5	ND	4	224	1	2	2	88	1.74	.288	14	134	2.66	11	.28	6	2.71	.01	.02	1	19
687R-133	1	2019	104	226	9.2	4	47	145	10.82	201	5	ND	2	24	2	2	5	14	.11	.010	6	9	.15	13	.01	2	.24	.01	.03	1	152
687R-134	16	26	28	53	1.3	15	24	905	7.10	55	5	ND	4	256	1	2	2	56	1.34	.130	8	35	.96	23	.33	3	1.63	.01	.04	1	66
687R-135	4	619	38	188	1.5	20	17	2705	9.00	56	5	ND	2	130	1	4	2	119	1.24	.278	5	62	4.37	36	.34	7	3.54	.01	.02	10	8
687R-136	5	374	50	122	4.7	12	26	880	10.00	56	5	ND	3	63	1	2	7	50	.45	.087	6	37	1.28	23	.11	5	1.84	.01	.06	31	45
687R-632	3	59	12	440	.8	34	23	5623	6.61	106	5	ND	5	108	1	2	2	95	3.57	.247	15	56	4.79	116	.23	5	4.12	.01	.19	1	21
687R-633	4	38	21	268	1.2	18	48	3225	8.87	33	5	ND	2	162	1	5	2	83	1.81	.193	5	20	3.08	32	.22	3	2.90	.01	.13	1	24
687R-634	1	84	6	88	.8	21	12	3268	4.29	65	5	ND	5	248	1	3	2	88	1.79	.310	17	55	2.38	112	.28	7	2.23	.01	.07	1	16
687R-635	8	44	14	133	.7	33	40	1910	10.59	15	5	ND	4	110	1	5	2	124	1.23	.230	7	83	4.22	26	.39	2	4.07	.01	.06	1	10
687R-636	7	3665	34	169	7.5	51	19	1921	6.55	49	5	ND	2	141	1	2	2	35	.86	.085	6	46	1.53	62	.15	7	2.47	.01	.09	1	20
687R-637	11	210	59	3147	1.0	99	31	2580	7.61	40	5	ND	4	77	19	2	2	84	1.80	.174	8	78	3.30	78	.21	4	3.53	.01	.13	8	1
687R-638	5	157	13	98	1.0	22	36	1378	8.17	13	5	ND	4	147	1	5	2	108	1.27	.195	8	60	2.19	6	.38	2	2.68	.01	.02	5	9
687R-639	4	121	44	215	.8	34	5	1283	3.95	7	5	ND	2	140	1	2	2	72	.93	.086	4	57	2.07	29	.34	2	2.09	.06	.10	1	1
687R-640	4	88	5	32	.1	8	16	398	4.48	5	5	ND	1	36	1	2	2	90	.47	.109	3	21	1.33	67	.24	8	1.28	.07	.19	1	13
687R-641	10	54	3	67	.3	8	10	577	6.79	6	5	ND	2	116	1	2	2	95	.75	.107	3	19	1.97	23	.25	2	2.09	.05	.05	1	6
687R-642	6	167	8	132	.4	10	14	1308	8.84	5	5	ND	3	84	1	2	2	128	.45	.152	4	24	2.91	29	.25	2	2.57	.03	.10	1	5
687R-643	4	20	22	88	.6	4	34	107	5.31	4	5	ND	2	28	1	2	2	21	.16	.044	2	7	.22	20	.12	2	.33	.06	.06	1	12
687R-644	2	125	7	35	.4	4	10	1081	3.66	7	5	ND	1	68	1	2	2	7	5.64	.046	2	7	.13	33	.01	3	.24	.01	.16	1	109
687R-645	3	71	6	29	.3	4	21	551	6.49	15	5	ND	3	6	1	2	3	11	.08	.053	2	9	.49	23	.01	6	1.18	.01	.17	1	31
687R-646	2	278	4	138	.9	12	8	2633	5.97	8	5	ND	3	96	1	3	2	111	1.29	.162	5	18	2.22	13	.20	7	2.95	.05	.05	1	2
687R-647	2	13	8	73	.4	3	22	1300	5.76	7	5	ND	4	187	1	2	2	20	3.81	.114	14	12	1.22	31	.01	9	1.56	.03	.15	1	6
687R-648	6	31	6	251	.7	14	31	1774	11.30	8	5	ND	3	38	1	3	2	102	.49	.119	4	16	3.63	8	.20	10	4.07	.01	.07	1	10
687R-806	1	12	7	60	.2	3	7	903	3.19	23	5	ND	3	106	1	3	2	21	.73	.114	6	8	.67	163	.09	10	1.53	.01	.20	1	9
687R-807	3	33	32	190	1.3	46	23	2411	9.42	30	5	ND	8	15	1	2	2	137	.75	.245	6	107	5.29	58	.22	2	4.51	.01	.16	1	24
687R-808	6	197	25	133	2.4	33	53	1568	12.34	38	5	ND	2	129	1	2	4	78	.97	.181	6	90	2.11	29	.25	2	2.41	.01	.05	1	67
687R-809	4	56	16	125	.6	30	37	2025	9.69	20	5	ND	2	112	1	2	2	83	.69	.118	6	101	3.51	25	.22	9	2.97	.01	.02	1	19
687R-810	2	176	3368	2738	8.3	15	12	1487	6.25	106	5	ND	2	78	27	3	2	73	.55	.136	8	45	1.56	38	.25	2	1.54	.02	.10	9	98
687R-811	4	27	25	209	1.8	34	25	2210	9.58	24	5	ND	6	114	1	4	2	182	1.34	.285	14	75	6.04	32	.45	2	4.94	.01	.05	1	39
687R-812	2	45	20	153	.2	7	9	1900	4.57	29	5	ND	4	101	1	2	2	54	.82	.136	9	24	2.37	198	.16	7	2.41	.01	.12	1	11
687R-813	3	103	129	2088	1.6	26	17	2362	9.34	163	5	ND	5	79	13	4	2	139	1.10	.260	15	85	4.77	35	.36	4	3.62	.01	.07	4	31
687R-814	2	100	53	148	4.5	49	32	556	11.20	199	5	ND	2	66	2	2	6	22	.38	.060	3	29	.89	16	.08	4	1.08	.01	.17	1	186
687R-815	7	34	166	284	1.6	16	42	3384	12.50	25	5	ND	3	29	1	3	2	172	1.28	.235	11	30	4.51	37	.27	10	4.16	.01	.14	1	24
687R-816	8	31	15	66	.5	17	34	1303	9.76	19	5	ND	3	37	1	2	2	77	.54	.089	8	30	3.18	65	.04	2	3.41	.02	.09	1	2
687R-817	1	9	20	51	.9	2	11	780	4.53	28	5	ND	2	78	1	2	2	21	.55	.108	8	10	.98	73	.07	2	1.41	.01	.23	1	11
687R-818	1	14	14	39	.5	1	3	645	3.77	26	5	ND	3	47	1	2	2	23	.29	.105	5	8	.74	123	.10	2	.97	.01	.24	1	5
STD C/AU-R	18	61	35	133	7.3	68	28	1045	4.08	43	21	8	40	51	17	17	18	59	.47	.088	38	60	.85	181	.08	31	1.77	.06	.13	11	510

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
687R-819	1	45	12	22	.2	4	7	366	3.31	20	5	ND	3	51	1	4	2	23	.44	.098	4	9	.35	73	.17	7	.71	.01	.22	1	11
687R-820	1	7	5	55	.2	18	17	708	3.58	4	5	ND	1	50	1	2	6	51	.49	.102	2	35	2.17	19	.19	2	1.81	.03	.07	1	2
687R-821	2	10	8	98	.2	9	15	621	2.85	4	5	ND	1	38	1	2	4	53	.42	.086	2	26	1.28	21	.18	5	1.02	.06	.05	1	3
687R-822	7	21	14	197	.7	6	19	1122	7.18	6	6	ND	4	88	1	2	2	48	.39	.124	3	12	1.69	35	.14	5	1.49	.02	.09	1	13

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock Chips AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 18 1987 DATE REPORT MAILED: Sept 30/87 ASSAYER. D. Toye ...DEAN TOYE, CERTIFIED B.C. ASSAYER

WESTERN CANADIAN PROJECT-GOSSAN #9102 File # 87-4314

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
687R-649	12	142	387	672	5.0	7	7	988	2.27	54	5	ND	1	164	6	8	2	6	3.01	.022	2	4	.11	151	.01	2	.26	.02	.04	1	50
687R-650	4	104	5	19	.3	13	2	134	2.70	5	5	ND	1	34	1	2	2	48	.27	.071	5	29	.94	22	.17	4	.75	.07	.07	1	32
687R-651	1	76	22	57	1.5	12	15	529	3.10	22	5	ND	2	39	1	2	2	46	.62	.136	5	9	.45	35	.17	2	.73	.08	.16	1	15
687R-652	1	8	5	4	.1	2	1	399	.52	14	5	ND	2	15	1	2	2	2	.12	.005	2	2	.02	300	.01	2	.06	.02	.01	1	11
687R-653	4	510	24	62	1.4	27	25	843	7.27	105	5	ND	2	110	1	2	2	63	1.04	.149	5	25	1.21	6	.26	2	1.54	.03	.01	3	31
STD C/AU-R	18	58	36	132	7.2	68	27	1035	3.70	38	21	7	38	50	18	17	22	57	.45	.084	37	57	.83	178	.08	31	1.74	.08	.13	12	510

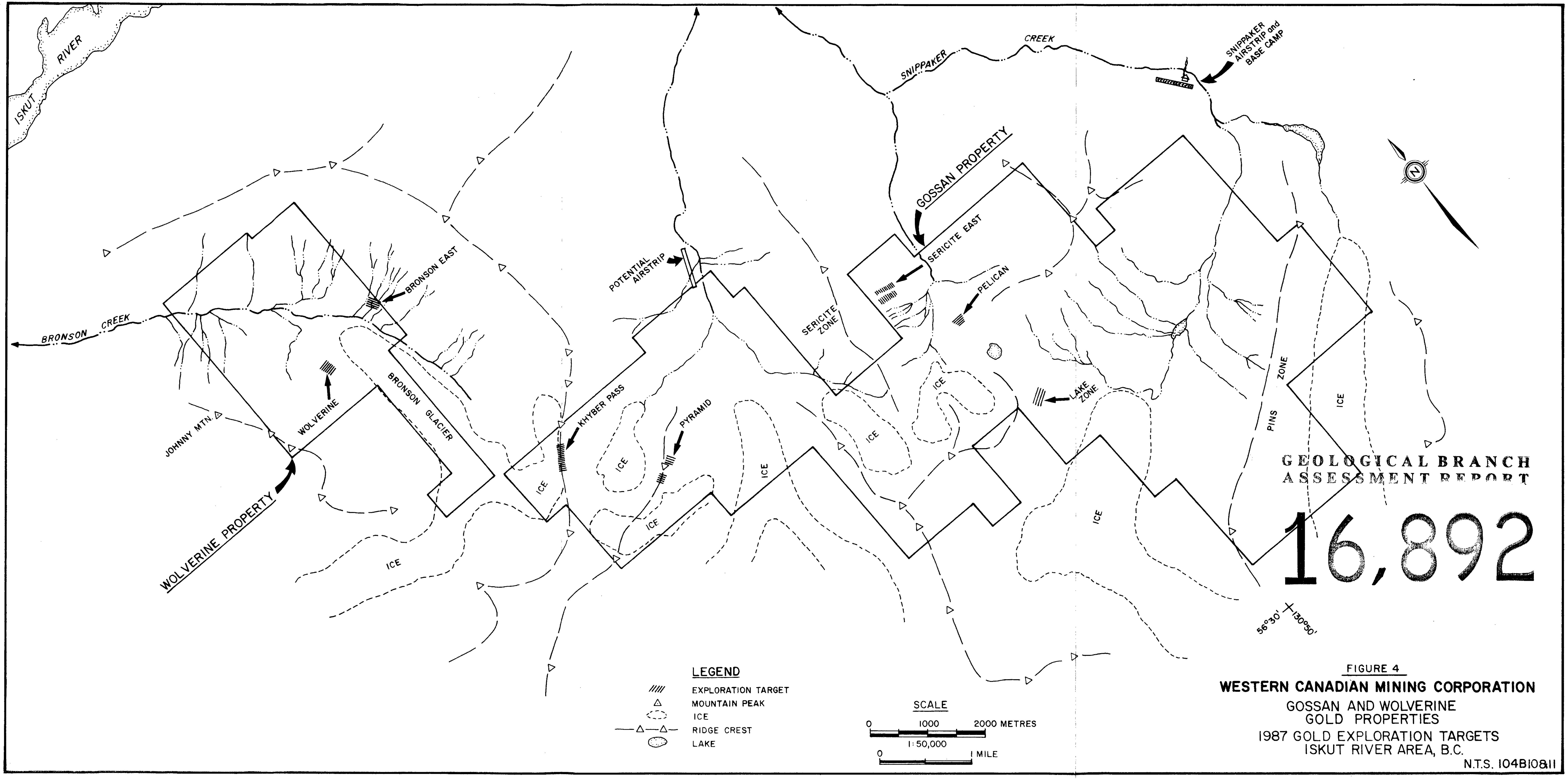

FIGURE 4

WESTERN CANADIAN MINING CORPORATION

GOSSAN AND WOLVERINE
GOLD PROPERTIES

1987 GOLD EXPLORATION TARGETS
ISKUT RIVER AREA, B.C.

N.T.S. 104B10&11

LEGEND

HYPABYSSAL INTRUSIVE ROCKS

1a APLITE
Light, creamy, grey, aphanitic groundmass; rare disseminated pyrite.

1b BIOTITE LAMPROPHYRE
Brown to dark grey aphanitic groundmass with scattered biotite phenocrysts. Phenocrysts are dark brown to black, subhedral to euhedral and locally up to 3 cm wide.

1c ORTHOCLASE PORPHYRY
Light to medium green, medium to coarse grained matrix comprised of 30% anhedral to subhedral chlorite and hornblende and 40% anhedral quartz masses. Tabular, 0.5 cm x 2.0 cm feldspar phenocrysts comprise 15-20% of the matrix.

PLUTONIC ROCKS

1 MONZONITE/QUARTZ MONZONITE

Medium grained, equigranular intrusive comprised of 60-70% anhedral plagioclase; and 25-30% anhedral quartz. Plagioclase frequently occurs as euhedral lathes and is occasionally replaced by irregular patches of fine to medium grained epidote.

VOLCANIC AND SEDIMENTARY ROCKS

2a LAPILLI TUFF

Medium to dark green, medium grained volcaniclastic sequence. Angular, epidotized rock fragments up to 7 cm x 7 cm of unknown composition. Locally, matrix is porphyritic with euhedral feldspar lathes to 2 cm x 0.5 cm which have been altered to epidote and saussurite. Matrix is moderately chloritized.

Sulphide mineralization is comprised of disseminated and coarse grained aggregates of pyrite, chalcopyrite and isolated occurrences of galena and sphalerite.

2b TUFFACEOUS SILTSTONE/WACKE/SILTSTONE

Pale to medium green, fine to medium grained volcanosedimentary sequence. Angular fragments up to 3 cm x 3 cm are scattered throughout a medium grained matrix. Grades into an interbedded sequence of greywacke and siltstone.

SYMBOLS AND ABBREVIATIONS

Limit of Outcrop
Strike and Dip of Bedding
Strike and Dip of Joints
Strike of Vertical Joints
Strike and Dip of Cleavage and Foliation
Strike and Dip where Bedding Parallels Cleavage
Strike and Dip of Veins and/or Dykes
Strike and Dip of Fault
Geologic Contact Definite, Approximate, Inferred
Rock Chip Sample Location

Py - Pyrite
He - Hematite
Cp - Chalcopyrite
Cl - Clay
Sph - Sphalerite
Qtz - Quartz Vein, Veinlets
Chl - Chlorite
Ep - Epidote
Ser - Sericite
Si - Silification

SUMMARY of LITHOGEOCHEMICAL RESULTS

Sample #	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
G87R- 01	9	5	10	0.1	3
02	13	11	47	0.2	8
101	11	2	16	0.1	1
102	Not analyzed				
131	41	262	519	4.1	53
132	24	18	101	0.4	19
133	2019	104	226	9.2	152
134	26	28	53	1.3	66
135	619	38	188	1.5	8
136	374	50	122	4.7	45
520	13	16	49	0.7	5
521	4	2	9	0.1	265
522	6	2	18	0.1	29
543	10	10	8	0.2	22
544	10	5	61	0.3	24
632	59	12	440	0.8	21
633	38	21	268	1.2	24
634	84	6	88	0.8	16
635	44	14	133	0.7	10
636	3665	34	169	7.5	20
637	210	59	3147	1.0	1
638	157	13	98	1.0	9
639	124	44	215	0.8	1
640	88	5	32	0.1	13
641	54	3	67	0.3	6
642	167	8	132	0.4	5
643	20	22	88	0.6	12
644	125	7	35	0.4	109
645	71	6	29	0.3	31
646	278	4	138	0.9	2
647	13	8	73	0.4	6
648	31	6	257	0.2	10
806	12	7	60	0.2	9
807	33	32	190	1.3	24
808	197	25	133	2.4	67
809	56	16	125	0.6	19
810	176	3368	2738	8.3	98
811	27	25	209	1.8	39
812	45	20	153	0.2	11
813	103	129	2088	1.6	31
814	100	53	148	4.5	186
815	34	166	284	1.6	24
816	31	15	66	0.5	2
817	9	20	51	0.9	11
818	14	14	39	0.5	5
819	45	12	22	0.2	11
820	7	5	55	0.2	2
821	10	8	98	0.2	3
822	21	14	197	0.7	13
GOSSAN 25 MINERAL CLAIM					
649	142	387	672	5.0	50
650	104	5	19	0.3	32
651	76	22	57	1.5	15
652	8	5	4	0.1	11
653	510	24	62	1.4	31

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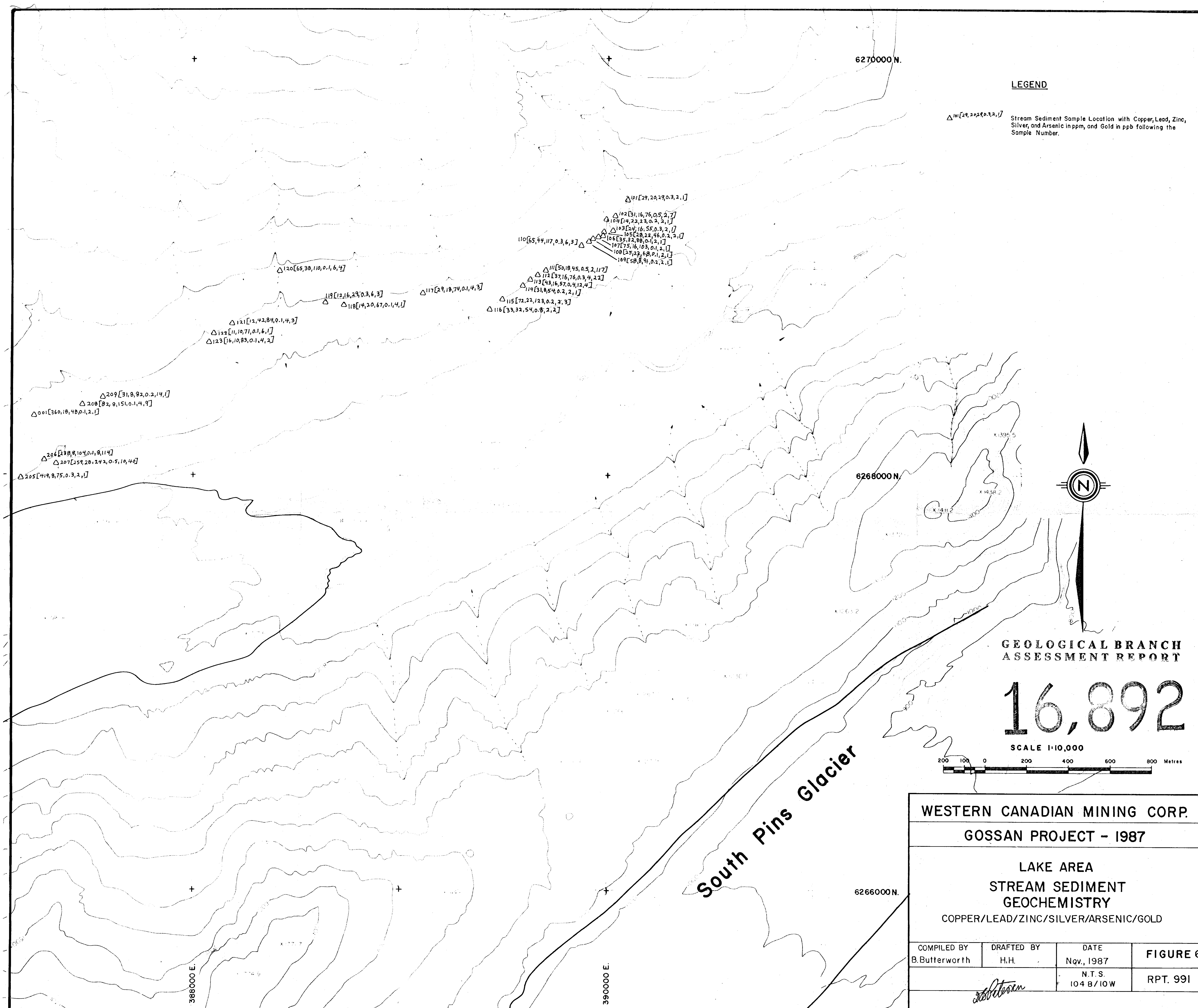
GOSSAN PROJECT - 1987

LAKE and PINS AREAS
GEOLOGY AND LITHOGEOCHEMISTRY

GOSSAN 1-4,7, 5,8,22 Claim Groups			LIARD M.D.
COMPILED BY S.C.	DRAFTED BY S.C.B.	DATE Nov. 1987	FIGURE 5
		N.T.S. 104 B/10W	RPT. 991


6270000 N.
6268000 N.
6266000 N.
388000 E.
390000 E.
LEGEND
101[29,20,29,0.3,2,1]
Stream Sediment Sample Location with Copper, Lead, Zinc, Silver, and Arsenic in ppm, and Gold in ppb following the Sample Number.
101[29,20,29,0.3,2,1]
102[31,16,76,0.5,2,7]
104[14,22,23,0.2,2,1]
103[24,16,55,0.3,2,1]
105[28,22,46,0.2,2,1]
106[35,32,88,0.1,2,1]
107[75,16,103,0.1,2,1]
108[25,22,68,0.1,2,1]
109[58,8,91,0.2,2,1]
110[65,44,117,0.3,6,3]
111[50,18,45,0.5,2,117]
112[37,16,76,0.3,4,22]
113[43,16,57,0.4,12,4]
114[31,8,54,0.2,2,1]
115[72,22,123,0.2,2,3]
116[33,32,54,0.8,2,2]
117[29,18,74,0.1,4,3]
118[14,20,67,0.1,4,1]
119[12,16,29,0.3,6,3]
120[65,38,110,0.1,6,4]
121[12,42,84,0.1,4,3]
122[11,10,71,0.1,6,1]
123[16,10,83,0.1,4,2]
209[31,8,82,0.2,14,1]
208[82,8,151,0.1,4,9]
001[360,18,48,0.1,2,1]
206[238,8,104,0.1,8,114]
207[259,28,242,0.5,10,40]
205[419,8,75,0.3,2,1]
South Pins Glacier
N
GEOLOGICAL BRANCH
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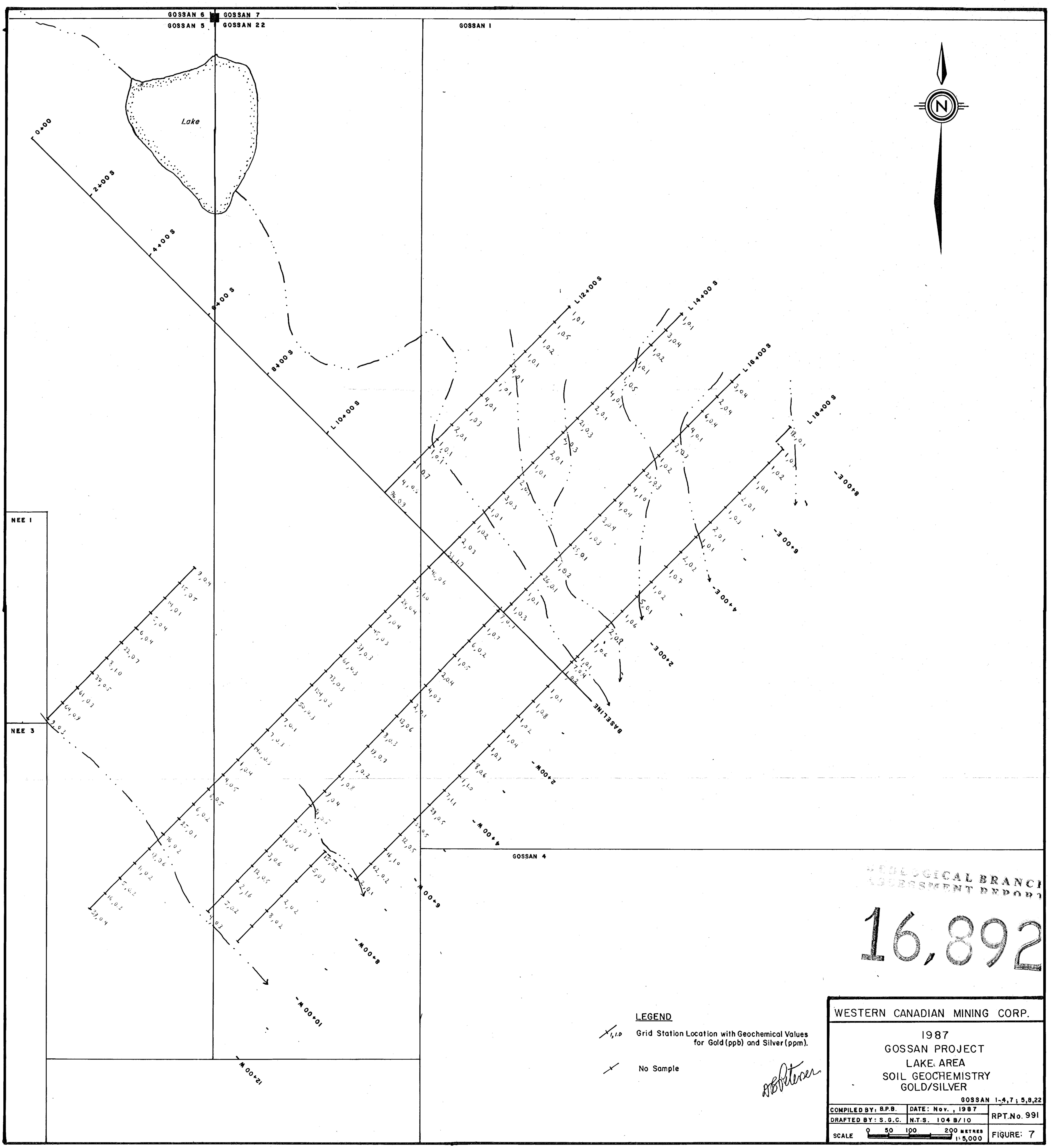
SCALE 1:10,000
200 100 0 200 400 600 800 Metres
WESTERN CANADIAN MINING CORP.
GOSSAN PROJECT - 1987
LAKE AREA
STREAM SEDIMENT
GEOCHEMISTRY
COPPER/LEAD/ZINC/SILVER/ARSENIC/GOLD
COMPILED BY
B. Butterworth
DRAFTED BY
H.H.
DATE
Nov., 1987
N.T.S.
104 B/10W
FIGURE 6
RPT. 991


GOSSAN 6
GOSSAN 7
GOSSAN 5
GOSSAN 22
GOSSAN 1
Lake
N
0+00
2+00 S
4+00 S
6+00 S
8+00 S
L 10+00 S
L 12+00 S
L 14+00 S
L 16+00 S
L 18+00 S
BASELINE
8+00 E
6+00 E
4+00 E
2+00 E
2+00 W
4+00 W
6+00 W
8+00 W
10+00 W
12+00 W
NEE 1
NEE 3
GOSSAN 4
GEOLOGICAL BRANCH
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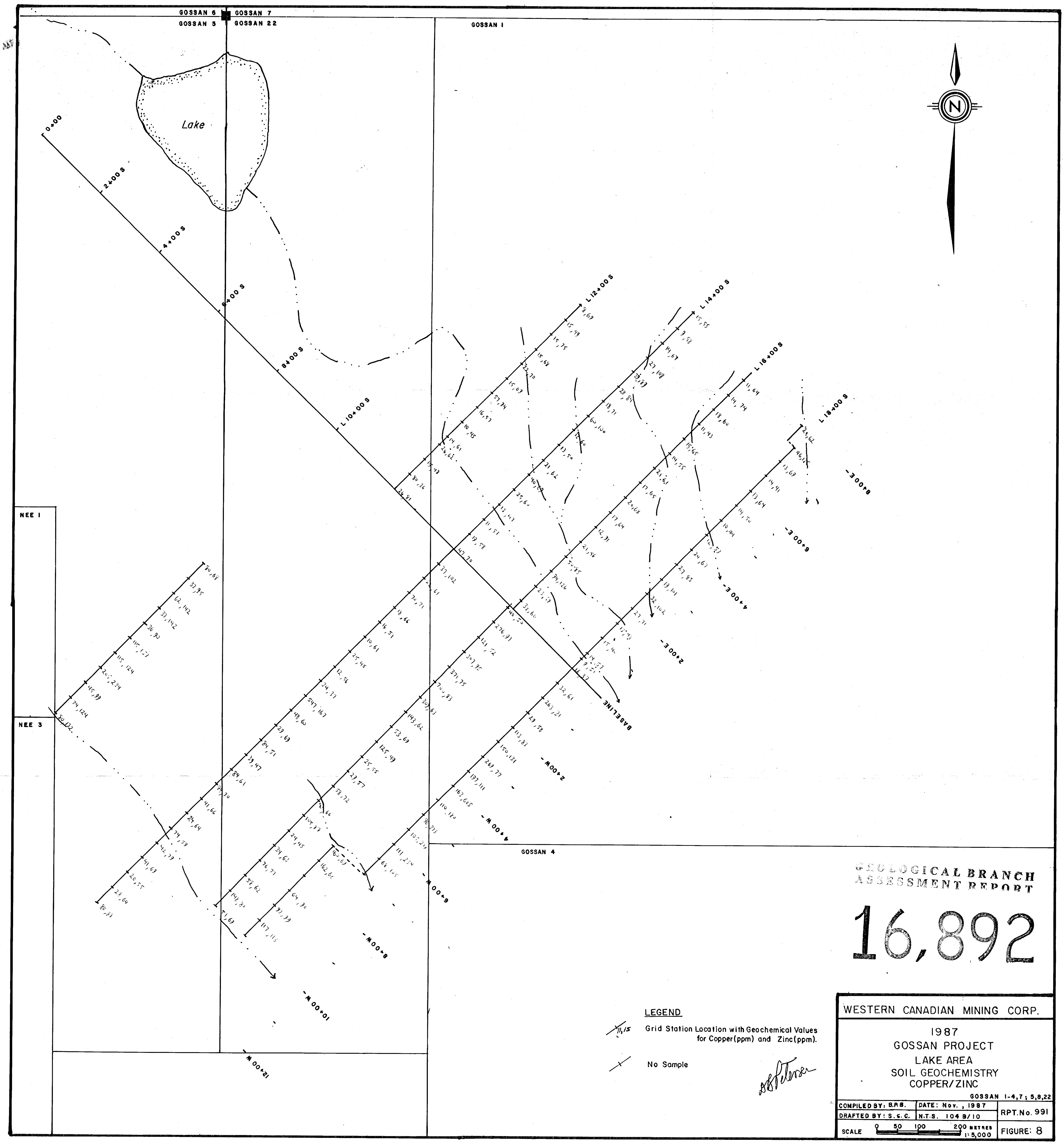
LEGEND
Grid Station Location with Geochemical Values for Gold (ppb) and Silver (ppm).
No Sample
WESTERN CANADIAN MINING CORP.
1987
GOSSAN PROJECT
LAKE AREA
SOIL GEOCHEMISTRY
GOLD/SILVER
GOSSAN 1-4,7; 5,8,22
COMPILED BY: B.P.B.
DATE: Nov., 1987
DRAFTED BY: S.G.C.
N.T.S. 104 B/10
RPT.No. 991
SCALE 0 50 100 200 METRES 1:5,000
FIGURE: 7



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WESTERN CANADIAN MINING CORP.

1987
GOSSAN PROJECT
LAKE AREA
SOIL GEOCHEMISTRY
COPPER/ZINC

GOSSAN 1-4,7; 5,8,22

COMPILED BY: B.P.B.	DATE: Nov., 1987	RPT. No. 991
DRAFTED BY: S.G.C.	N.T.S. 104 B/10	
SCALE 0 50 100 200 METRES 1:5,000		FIGURE: 8