

Report on  
Reconnaissance Soil Geochemical Survey

EMMA, EMMA 1, 2, 3, 4 CLAIMS

Lillooet, M.D., B.C.

NTS 92J/15

Latitude 50° 46'

Longitude 122° 50'

Owner: Golden Slipper Resources Inc.

Operator: Golden Slipper Resources Inc.

Consultant: Nevin Sadlier-Brown Goodbrand Ltd.

Author: J.T. Crandall, P.Eng.

Date Submitted: October 20, 1981

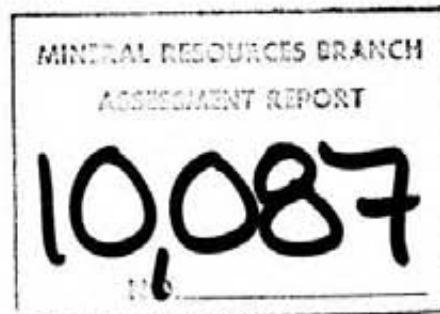


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SUMMARY

The Emma claims are located in the Bralorne area 180 km north of Vancouver, B.C. They lie immediately west of the portion of the Cadwallader Fault System which has localized the Bralorne-Pioneer gold ore bodies.

A geochemical soil survey conducted in August 1981 has completed reconnaissance coverage of the claim group. Weakly anomalous and weakly coincident zinc, arsenic, and gold values have been returned from the northern part of the claims.

These results are moderately encouraging and warrant limited follow-up. Fill-in sampling in the anomalous areas is required in conjunction with a detailed geologic appraisal of rock types and structure.

## 1.0 INTRODUCTION

### 1.1 Terms of Reference

This report is prepared at the request of Golden Slipper Resources Inc. for submittal to the Ministry of Energy, Mines and Petroleum Resources as required under Mineral Act Regulations to apply assessment work. The report describes a soil geochemical survey conducted on the Emma and Emma 1,2,3,4 mineral claims, Lillooet Mining Division during August, 1981. The work was supervised by J.T. Crandall, P.Eng., for Nevin Sadlier-Brown Goodbrand Ltd., Consulting Geologists.

### 1.2 Location and Access

The property is located on NTS 92J/15 at latitude 50° 46', longitude 122° 50'. It lies immediately west and southwest of the town of Bralorne, across Cadwallader and Noel Creeks. Access to the claims is by foot along a disused bush track into the old Native Son adit. This track begins on the Bralorne-Hurley Pass Road at a point some 700 m north of the bridge crossing Cadwallader Creek.

### 1.3 Terrain and Vegetation

The property straddles the ridge between Noel and Carl Creeks. Both creeks flow northerly and are deeply incised into the high relief of the Coast Mountain Range. The property lies between 3400 and 6400 feet (1036 and 1950 m) above sea level. Topography is generally steep and densely forested with conifers, locally with deciduous trees.

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#### 1.4 Property

The Emma property consists of two claim groups: the Emma 1199(1) of 16 units and the Emma 1 (1647[1]), Emma 2 (1648[1]), Emma 3 (1649[1]), Emma 4 (1650[1]) claims. These latter are 2-post claims and are thrown west and east of a south to north central claim line. Both sets of claims are contiguous and hereafter are known as the Emma Claims.

Portions of the Emma Claims overlap ground held in good standing by other parties. In the northwest the RE (116[8]) Claim pre-emptes an area 200 m by 900 m. In the east the Emma Claims overlap a number of valid Crown granted claims.

The Emma Claims are owned by Golden Slipper Resources Inc., 4353 Carolyn Drive, North Vancouver, B.C.

#### 1.5 Previous Work

The area covered by the Emma Claims has been prospected in the past for gold-bearing quartz veins as a result of discovery of placer gold in the area in 1863 and auriferous veins in 1897. The Native Son adit and several old trenches in the northern part of the claims attest to this.

More recently a reconnaissance geology-geochemical survey was conducted on a portion of the 16 unit Emma Claim during November 1980 by Nevin Sadlier-Brown Goodbrand Ltd. under the supervision of J. Ostler. Data from this survey is included in this report to fill in the interpretive base only.

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The property was briefly examined in 1981 by H.A. Jones, P.Eng. and further soil geochemical sampling recommended.

## 2.0 GEOLOGY

### 2.1 Regional Geology

The Cadwallader Creek area is underlain by the Permian-Triassic volcanic and sedimentary rocks of the Bridge River (Fergusson) Group and by the younger, Upper Triassic volcanics and sediments of the Noel, Pioneer, and Hurley Formations. All have been intruded and locally metamorphosed by the Bralorne intrusives, a variety of small bodies of ultrabasics (serpentine), gabbro, augite diorite, quartz diorite and soda granite.

The Bralorne-Cadwallader Creek area lies athwart the Cadwallader Fault Zone, a regional fault structure which is an offshoot of the major Fraser River Fault System. The Cadwallader Fault has been repeatedly active and has displaced a wide range of ages of rock formations. It has localized intrusions of varied age, composition and size. Intrusion appears to have progressed from ultrabasics through diorite to granitic bodies (youngest and least volume). The evolution of the Cadwallader Fault variously dislocated and contained the various intrusions, producing a concentration of complexly fractured old and young intrusives relatively unique to the fault zone. Interior to and beside this wide fault zone numerous associated shears and tension fractures have formed loci for gold-bearing quartz veins.

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## 2.2 Property Geology

Outcrop is intermittent on the Emma Claims. Argillaceous and cherty metasediments of the Fergusson Series occupy, in a northerly trending fashion, the central area of the claims. Serpentinite is indicated central to the southern boundary of the claims. In the southwest corner and in a narrow band along the eastern side of Carl Creek and the Noel Formation argillaceous and tuffaceous sediments outcrop. Along the eastern edge of the claims, including the Native Son adit, Noel Formation pelitic sediments and greenstone outcrop sporadically.

Immediately west of the northern part of the claims is a relatively extensive body of fine grained Bralorne diorite and/or Pioneer Formation greenstone (Cairnes, 1937). Jones (1981) reports: "A few small, isolated outcrops of diorite (?) were observed along an old logging road near the north boundary of the claim west of Noel Creek."

## 3.0 SOIL GEOCHEMISTRY

### 3.1 Soil Grid

Soil samples were taken at 50 m intervals along east-west lines 200 m apart. Lines were tied on to a geochemical grid already in place on the property (Ostler, 1980). This grid, (Lines 0+00, 2+00S, 4+00S, 6+00S, 8+00S) was extended in this survey to 20+00S and 6+00N and samples taken from near the boundary of valid Crown granted claims on the east to beyond

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extreme break-in-slope above Carl Creek in the west. Grid lines were laid out by compass and hip chain.

Samples were taken from the 'B' horizon from 10 to 20 cm below the 'A' horizon or marked Ash layer. The 'A' horizon was generally of the order of 10 cm thick. Bridge River Ash was minimal and generally rather diffuse.

Samples were analyzed by Chemex Laboratories of North Vancouver (see Appendix B, C).

### 3.2 Metal Distributions in Soils

The geochemical soil survey was reconnaissance in nature. Soils were tested for zinc, arsenic, and gold values. This survey collected a total of 221 samples. Reported values are plotted on Drawings 4,5, 6 (zinc, arsenic, and gold, respectively).

The soil grid sampled this survey was tied in with the Ostler 1980 sample grid by coincident sample stations along Line 0+00S between Stations 1+50W and 10+50W. On the metal value plots, contours were chosen to contain the somewhat scattered anomalous values. The zinc contour is 100 ppm to show anomalous values of 140 ppm and greater. Anomalous arsenic values of 25 ppm and greater are enclosed by a 20 ppm contour. Gold distribution was not contoured.

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Zinc, arsenic, and gold values are weakly anomalous and weakly coincident in the northern part of the claims. North-northeasterly trending lenticular zinc anomalous zones splay along the nose and flanks of the ridge between Noel and Carl Creeks. Arsenic values show some strength in the same area. Gold values of 10 ppm to a maximum of 50 ppm are fairly compactly concentrated in the northwest portion of the claims.

Topography in the northern part of the claims where these anomalous areas occur is moderate to steep in places. If these anomalies represent secondary dispersion from a bedrock source, the source is probably uphill. In this model, source for the compact anomalous gold values (which lie largely on the RE Claim) could be on valid Emma ground.

In the Bralorne-Gold Bridge area there is a tendency for areas of relatively thinner overburden to produce relative anomalies. While there is no quantitative information to support or reject this model in the case of the northern part of the Emma Claims, the present bias is towards rejection.

#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

##### 4.1 Conclusions

Weakly anomalous zinc, arsenic, and gold soil geochemical values have been returned from the northern portion of the Emma Claims. These are coincident in a general way, and have probably been influenced most strongly by topography.

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The anomalous areas are primarily underlain by rocks of the Fergusson Series. These argillaceous, cherty, and tuffaceous sediments have not proved to be viable hosts for gold-bearing veins in the past. Bralorne intrusive diorite and Pioneer greenstone have proved good hosts for gold-bearing veins. There is a possibility that a diorite/greenstone (Unit 1, Drawing 3) may subtend the northern part of the claims at an unknown depth.

Metal values of little consequence are present in the central and southern portions of the claims.


#### 4.2 Recommendations

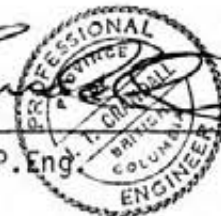
The weakly anomalous northern area should be more fully defined through infill soil sampling. Attention should be paid to tracing the anomalies uphill. Concurrently, more detailed geologic mapping should be done in the northern claim area, with attention to grid and elevation control, and with identification, if possible, of a diorite/greenstone unit subtending the area.

Respectfully submitted,

NEVIN SADLIER-BROWN GOODBRAND LTD.

October 20, 1981

  
J. T. Crandall, P. Eng.



APPENDIX A - REFERENCES

- Barr, D.A. (1979): Gold in the Canadian Cordillera; paper presented at the Annual General Meeting CIMM 1979.
- Cairnes, C.E. (1937): Geology and Mineral Deposits of Bridge River Mining Camp, B.C.; Geol. Surv. Can. Mem. 213, Map 430A.
- Jones, H.M. (1981): Report on the Emma Claim; private report for Golden Slipper Resources Inc.
- Ostler, J. (1980): Soil Geochemical Survey of Part of the Emma Claim; private report for Hillside Energy Corporation.
- Woodsworth, G.J. (1977): Geology of Pemberton Map Area (92J); Geol. Surv. Can. O.F. 482.
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Appendix B  
Soil Geochemistry Analytic Method

PPM Arsenic: A 1.0 gram sample is digested with a mixture of perchloric and nitric acid to strong fumes of perchloric acid. The digested solution is diluted to volume and mixed. An aliquot of the digested is acidified, reduced with KI and mixed. A portion of the reduced solution is converted to arsine with  $\text{NaBH}_4$  and the arsenic content determined using flameless atomic absorption.  
Detection limit - 1 PPM

PPM Zinc: A 1.0 gram sample portion of sample is digested in conc. perchloric-nitric acid ( $\text{HClO}_4\text{-HNO}_3$ ) for approx. 2 hours. The digested sample is cooled and made up to 25 mls with distilled water. The solution is mixed and solids are allowed to settle. Zinc is determined by atomic absorption techniques.

PPM Gold: 5 gram samples ashed @  $800^\circ\text{C}$  for one hour, digested with aqua regia - twice to dryness - taken up in 25% HCL-, the gold then extracted as the bromide complex into MIBK and analyzed via A.A.  
Detection limit - 10 PPB

NOTE: Samples are dried and run through 80 mesh prior to above.

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Appendix C

Geochemical Data



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 CANADA V7J 2C1  
 TELEPHONE: (604)984-0221  
 TELEX: 043-52597

ANALYTICAL CHEMISTS

GEOCHEMISTS

REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : Nevin Sadler-Brown Goodbrand Ltd.,  
 401 - 134 Abbott St.,  
 Vancouver, B.C.  
 V6B 2K4

CERT. # : A8113691-001-A  
 INVOICE # : I8113691  
 DATE : 15-SEP-81  
 P.O. # : NONE  
 128

Sample description	Prep code	Zn ppm	AS ppm	AU -(AA) ppb			
L0+00 1+50W	203	156	39	<10	--	--	--
L0+00 2+00W	201	92	6	<10	--	--	--
L0+00 2+50W	201	95	14	<10	--	--	--
L0+00 3+00W	201	63	19	<10	--	--	--
L0+00 3+50W	201	157	12	<10	--	--	--
L0+00 4+00W	201	180	15	<10	--	--	--
L0+00 4+50W	203	78	15	<10	--	--	--
L0+00 5+00W	201	160	53	<10	--	--	--
L0+00 5+50W	201	91	16	<10	--	--	--
L0+00 6+00W	201	118	19	<10	--	--	--
L0+00 6+50W	201	368	27	<10	--	--	--
L0+00 7+50WA	201	142	11	<10	--	--	--
L0+00 7+50WB	201	56	10	<10	--	--	--
L0+00 8+00W	201	120	20	<10	--	--	--
L0+00 8+50W	201	75	25	<10	--	--	--
L0+00 9+00W	201	83	15	<10	--	--	--
L0+00 9+50W	201	98	24	<10	--	--	--
L0+00 10+00	201	105	15	20	--	--	--
L0+00 10+50	201	80	17	<10	--	--	--
L2+00N 3+00W	201	58	14	<10	--	--	--
L2+00N 3+50W	201	115	25	<10	--	--	--
L2+00N 4+00W	201	95	10	<10	--	--	--
L2+00N 4+50W	201	78	30	<10	--	--	--
L2+00N 5+00W	201	65	9	<10	--	--	--
L2+00N 5+50W	201	86	24	<10	--	--	--
L2+00N 6+00W	201	162	53	<10	--	--	--
L2+00N 6+50W	201	76	10	10	--	--	--
L2+00N 7+00W	201	148	14	<10	--	--	--
L2+00N 7+50W	201	85	13	<10	--	--	--
L2+00N 8+00W	201	35	24	<10	--	--	--
L2+00N 8+50W	201	68	7	10	--	--	--
L2+00N 9+00W	201	78	7	<10	--	--	--
L2+00N 9+50W	201	60	19	50	--	--	--
L2+00N 10+00W	201	92	11	<10	--	--	--
L2+00N 10+50W	201	98	14	10	--	--	--
L4+00N 3+50W	201	24	9	<10	--	--	--
L4+00N 4+00W	201	50	19	<10	--	--	--
L4+00N 4+50W	201	56	12	<10	--	--	--
L4+00N 5+00W	203	48	10	<10	--	--	--
L4+00N 5+50W	203	165	16	<10	--	--	--

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CERT. # : A8113691-002-A  
 INVOICE # : 18113691  
 DATE : 15-SEP-81  
 P.O. # : NCNE  
 128

Sample description	Prep code	Zn ppm	AS ppm	Au -(AA) ppb			
L4+00N 6+00W	201	107	17	<10	--	--	--
L4+00N 6+50W	201	50	7	10	--	--	--
L4+00N 7+00W	201	64	17	10	--	--	--
L4+00N 7+50W	201	48	7	10	--	--	--
L4+00N 8+00W	201	73	10	10	--	--	--
L4+00N 9+00W	201	63	16	<10	--	--	--
L4+00N 9+50W	201	57	10	10	--	--	--
L4+00N 10+00W	201	125	14	<10	--	--	--
L4+00N 10+50W	201	82	9	<10	--	--	--
L6+00N 4+50W	201	35	7	<10	--	--	--
L6+00N 5+00W	201	56	10	<10	--	--	--
L6+00N 5+50W	201	98	107	<10	--	--	--
L6+00N 6+00W	201	45	13	<10	--	--	--
L6+00N 6+50W	201	82	33	<10	--	--	--
L6+00N 7+00W	201	112	11	<10	--	--	--
L6+00N 7+50W	201	55	11	<10	--	--	--
L6+00N 8+00W	201	158	135	40	--	--	--
L6+00N 8+50W	201	150	19	<10	--	--	--
L6+00N 9+00W	201	43	9	<10	--	--	--
L6+00N 9+50W	201	66	10	<10	--	--	--
L6+00N 10+00W	201	45	10	<10	--	--	--
L6+00N 10+50W	201	115	11	<10	--	--	--
10+00S 0+00	201	56	12	<10	--	--	--
10+00S 0+50W	201	76	11	10	--	--	--
10+00S 1+00W	201	62	10	<10	--	--	--
10+00S 1+50W	201	75	17	<10	--	--	--
10+00S 2+00W	201	62	9	<10	--	--	--
10+00S 3+50W	201	63	16	<10	--	--	--
10+00S 4+00W	201	70	14	<10	--	--	--
10+00S 4+50W	201	56	29	<10	--	--	--
10+00S 7+00W	201	45	175	<10	--	--	--
10+00S 7+50W	201	55	15	<10	--	--	--
10+00S 8+00W	201	76	24	20	--	--	--
10+00S 8+50WA	201	62	33	<10	--	--	--
10+00S 8+50WB	201	28	20	<10	--	--	--
10+00S 9+00WA	201	55	14	<10	--	--	--
10+00S 9+00WB	201	60	16	<10	--	--	--
10+00S 9+50WA	201	40	6	<10	--	--	--
10+00S 9+50WB	201	48	7	10	--	--	--
10+00S 10+00WA	201	82	9	<10	--	--	--

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CERT. # : AB113691-003-A  
 INVOICE # : 18113691  
 DATE : 15-SEP-81  
 P.C. # : NCNE  
 128

Sample description	Prep code	Zn ppm	AS ppm	Au -(AA) ppb			
10+00S 10+00WB	201	140	20	<10	--	--	--
10+00S 10+50W	201	98	14	<10	--	--	--
10+00S 11+00W	201	100	6	<10	--	--	--
10+00S 11+50W	201	163	16	10	--	--	--
10+00S 12+00W	201	180	19	<10	--	--	--
12+00S 0+00	201	49	11	<10	--	--	--
12+00S 0+50W	201	58	7	<10	--	--	--
12+00S 1+00W	201	70	10	<10	--	--	--
12+00S 1+50W	201	90	9	20	--	--	--
12+00S 2+00W	201	85	15	<10	--	--	--
12+00S 2+50W	201	80	15	<10	--	--	--
12+00S 3+00W	201	50	9	<10	--	--	--
12+00S 3+50W	201	58	9	<10	--	--	--
12+00S 4+00W	201	88	23	<10	--	--	--
12+00S 4+50W	201	45	11	<10	--	--	--
12+00S 5+00W	201	105	22	<10	--	--	--
12+00S 5+50W	201	90	23	<10	--	--	--
12+00S 6+00W	201	55	23	<10	--	--	--
12+00S 6+50W	201	110	33	10	--	--	--
12+00S 7+00W	201	56	17	<10	--	--	--
12+00S 7+50W	201	45	11	<10	--	--	--
12+00S 09+00W	201	70	15	<10	--	--	--
12+00S 09+50W	201	76	14	<10	--	--	--
12+00S 10+00W	201	95	20	<10	--	--	--
12+00S 10+50W	201	95	11	<10	--	--	--
12+00S 11+00W	201	100	16	<10	--	--	--
12+00S 0+50E	201	45	7	<10	--	--	--
12+00S 1+00E	201	49	9	<10	--	--	--
12+00S 1+50E	201	85	35	<10	--	--	--
12+00S 1+76E	201	81	25	<10	--	--	--
14+00S 0+00	201	92	17	<10	--	--	--
14+00S 00+50W	201	98	14	<10	--	--	--
14+00S 01+00W	201	28	6	<10	--	--	--
14+00S 01+50W	201	47	9	<10	--	--	--
14+00S 02+00W	201	58	10	<10	--	--	--
14+00S 02+50W	201	75	14	<10	--	--	--
14+00S 03+00W	201	62	11	<10	--	--	--
14+00S 03+50W	201	50	9	<10	--	--	--
14+00S 04+00W	201	50	11	<10	--	--	--
14+00S 04+50W	201	60	10	<10	--	--	--

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 Vancouver, B.C.  
 V6B 2K4

CERT. # : A8113691-004-A  
 INVOICE # : 18113691  
 DATE : 15-SEP-81  
 P.O. # : NONE  
 128

Sample description	Prep code	Zn ppm	AS ppm	Au -(AA) ppb			
14+00S 05+00W	201	88	19	<10	--	--	--
14+00S 05+50W	201	30	9	<10	--	--	--
14+00S 06+00W	201	55	11	<10	--	--	--
14+00S 06+50W	201	70	19	<10	--	--	--
14+00S 07+00W	201	46	9	<10	--	--	--
14+00S 07+50W	201	34	6	<10	--	--	--
14+00S 08+00W	201	52	6	<10	--	--	--
14+00S 08+50W	201	28	6	<10	--	--	--
14+00S 09+00W	201	40	7	<10	--	--	--
14+00S 09+50W	201	38	7	<10	--	--	--
14+00S 10+00W	201	50	12	<10	--	--	--
14+00S 10+50W	201	108	12	<10	--	--	--
14+00S 11+00W	201	65	10	<10	--	--	--
14+00E 0+50E	201	82	15	<10	--	--	--
14+00E 1+00E	201	58	7	<10	--	--	--
14+00E 1+50E	201	63	11	<10	--	--	--
14+00E 2+00E	201	64	23	<10	--	--	--
14+00E 2+50E	201	30	6	<10	--	--	--
14+00E 3+00E	201	95	41	<10	--	--	--
14+00E 3+50E	201	163	24	10	--	--	--
14+00E 4+00E	203	108	11	<10	--	--	--
14+00E 4+50E	201	75	12	<10	--	--	--
14+00E 5+00E	203	75	43	<10	--	--	--
14+00E 5+50E	201	108	61	<10	--	--	--
16+00S 0+00	201	60	15	<10	--	--	--
16+00S 00+50W	201	20	6	<10	--	--	--
16+00S 01+00W	201	16	4	<10	--	--	--
16+00S 01+50W	201	56	12	<10	--	--	--
16+00S 02+00W	201	93	14	<10	--	--	--
16+00S 02+50W	201	60	12	<10	--	--	--
16+00S 03+00W	201	48	5	<10	--	--	--
16+00S 03+50W	201	70	10	<10	--	--	--
16+00S 04+00W	201	63	15	<10	--	--	--
16+00S 04+50W	201	40	9	<10	--	--	--
16+00S 05+00W	201	62	23	<10	--	--	--
16+00S 05+50W	201	50	12	<10	--	--	--
16+00S 06+00W	201	104	12	<10	--	--	--
16+00S 06+50W	201	98	9	20	--	--	--
16+00S 07+00W	201	35	7	10	--	--	--
16+00S 07+50W	201	96	12	<10	--	--	--

Certified by *Nevin Sadlier-Brown*





# 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 : Nevin Sadlier-Brown Goodbrand Ltd.,  
 401 - 134 Abbott St.,  
 Vancouver, B.C.  
 V6B 2K4

CERT. # : A8113691-005-A  
 INVOICE # : 18113691  
 DATE : 15-SEP-81  
 P.O. # : NONE  
 128

Sample description	Prep code	Zn ppm	AS ppm	Au -(AA) ppb			
16+00S 08+00W	201	60	12	<10	--	--	--
16+00S 08+50W	201	21	9	<10	--	--	--
16+00S 09+00W	201	38	6	<10	--	--	--
16+00S 09+50W	201	110	77	<10	--	--	--
16+00S 10+00W	201	110	22	<10	--	--	--
16+00S 10+50W	201	95	15	<10	--	--	--
16+00S 11+00W	201	98	23	<10	--	--	--
16+00S 11+50W	201	78	7	<10	--	--	--
16+00S 0+50E	201	86	19	<10	--	--	--
16+00S 1+00E	201	88	55	<10	--	--	--
16+00S 1+50E	201	125	43	<10	--	--	--
16+00S 2+00E	201	77	29	<10	--	--	--
16+00S 2+50E	201	184	27	<10	--	--	--
16+00S 3+00E	201	70	9	<10	--	--	--
16+00S 3+50E	201	112	17	<10	--	--	--
16+00S 4+00E	201	65	10	<10	--	--	--
16+00S 4+50E	201	92	17	<10	--	--	--
16+00S 5+00E	201	92	17	<10	--	--	--
16+00S 5+50E	201	80	19	<10	--	--	--
18+00S 01+50W	201	85	6	<10	--	--	--
18+00S 02+00W	201	70	6	<10	--	--	--
18+00S 02+50W	201	36	3	<10	--	--	--
18+00S 03+00W	201	32	2	<10	--	--	--
18+00S 03+50W	201	62	6	<10	--	--	--
18+00S 04+00W	201	32	4	<10	--	--	--
18+00S 04+50W	201	16	2	<10	--	--	--
18+00S 05+00W	201	38	5	<10	--	--	--
18+00S 05+50W	201	66	4	<10	--	--	--
18+00S 06+00W	201	74	5	<10	--	--	--
18+00S 06+50W	201	26	1	<10	--	--	--
18+00S 07+00W	201	44	3	<10	--	--	--
18+00S 07+50W	201	48	4	<10	--	--	--
18+00S 08+00W	201	29	2	<10	--	--	--
18+00S 08+50W	201	18	3	<10	--	--	--
18+00S 09+50W	201	82	9	<10	--	--	--
18+00S 10+00W	201	55	4	<10	--	--	--
20+00S 0+00	201	85	10	<10	--	--	--
20+00S 00+50W	201	106	12	<10	--	--	--
20+00S 01+00W	201	95	11	<10	--	--	--
20+00S 01+50W	201	98	10	<10	--	--	--

Certified by *Hart B. Schlenker*



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION



# 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 : Nevin Sadlier-Brown Goodbrand Ltd.,  
401 - 134 Abbott St.,  
Vancouver, B.C.  
V6B 2K4

CERT. # : A8113691-006-A  
INVOICE # : I8113691  
DATE : 15-SEP-81  
P.O. # : NONE  
128

Sample description	Prep code	Zn ppm	AS ppm	Au -(AA) ppb			
20+00S 02+00W	201	68	4	<10	--	--	--
20+00S 02+50W	201	78	2	<10	--	--	--
20+00S 03+00W	201	105	6	<10	--	--	--
20+00S 03+50W	201	85	9	<10	--	--	--
20+00S 04+00W	201	34	3	<10	--	--	--
20+00S 04+50W	201	55	3	10	--	--	--
20+00S 05+00W	201	27	1	<10	--	--	--
20+00S 05+50W	201	55	4	<10	--	--	--
20+00S 06+00W	201	48	3	<10	--	--	--
20+00S 06+50W	201	26	3	<10	--	--	--
20+00S 07+00W	201	18	3	<10	--	--	--
20+00S 07+50W	201	33	4	<10	--	--	--
20+00S 08+00W	201	42	4	<10	--	--	--
20+00S 08+50W	201	28	1	<10	--	--	--
20+00S 09+00W	201	90	6	<10	--	--	--
20+00S 09+50W	201	110	14	<10	--	--	--
20+00S 10+00W	201	108	4	10	--	--	--
20+00S 10+50W	201	28	4	<10	--	--	--
20+00S 11+00W	201	172	10	<10	--	--	--
20+00S 0+50E	203	93	12	<10	--	--	--
20+00S 1+00E	203	78	6	<10	--	--	--
20+00S 1+50E	201	130	23	<10	--	--	--
20+00S 2+00E	203	123	125	<10	--	--	--
20+00S 2+50E	203	63	29	<10	--	--	--
20+00S 3+00E	201	225	90	10	--	--	--

Certified by *Hart Bickler*



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Appendix D  
Distribution of Metals in Soils

Zinc

<u>Concentration (ppm)</u>	<u>No. of Determinations</u>	<u>% Distribution</u>
0 - 50	55	24.9
51 - 100	124	56.1
101 - 150	28	12.7
151 - 200	12	5.4
201 - 250	1	0.5
251 +	<u>1</u>	<u>0.5</u>
	221	100.1

Arsenic

<u>Concentration (ppm)</u>	<u>No. of Determinations</u>	<u>% Distribution</u>
0 - 10	94	42.5
11 - 20	85	38.5
21 - 30	24	10.9
31 - 40	5	2.3
41 - 50	3	1.4
51 - 60	3	1.4
61 - 70	1	0.5
71 +	<u>6</u>	<u>2.7</u>
	221	100.2

Gold

<u>Concentration (ppb)</u>	<u>No. of Determinations</u>	<u>% Distribution</u>
<10	198	89.6
10 - 11	17	7.7
11 +	<u>6</u>	<u>2.7</u>
	221	100.0

Appendix E - Itemized Cost StatementField Work

J.T. Crandall, Supervisor, August 21-31/81, 6.625 days @ \$385	\$ 2,550.63
D. de la Mothe, Technician, August 24-29/81, 6 days @ \$183	1,098.00
S. Robinson, Technician, August 24-29/81, 6 days @ \$183	1,098.00
M. Carson, Technician, August 24-29/81, 6 days @ \$136	816.00
B. MacDougall, Expediter, August 24-29/81, 3.5 hours @ \$31.45	110.08
Travel (vehicle rental) August 24-29/81	357.36
Meals, Accommodation, Fuel August 24-29/81	999.20
Assays	2,509.65

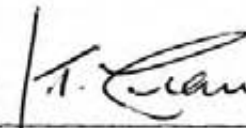

Reporting

J.T. Crandall, October 7-19/81 2.5 days @ \$385	962.50
B. MacDougall, (drafting), September 1-October 15/81 16.75 hours @ \$31.45	526.79
Typing, reproductions	<u>61.93</u>
TOTAL	<u>\$11,090.13</u>

Respectfully submitted,

NEVIN SADLIER-BROWN GOODBRAND LTD.



October 20, 1981

  
 J. T. Crandall, P.Eng.
 

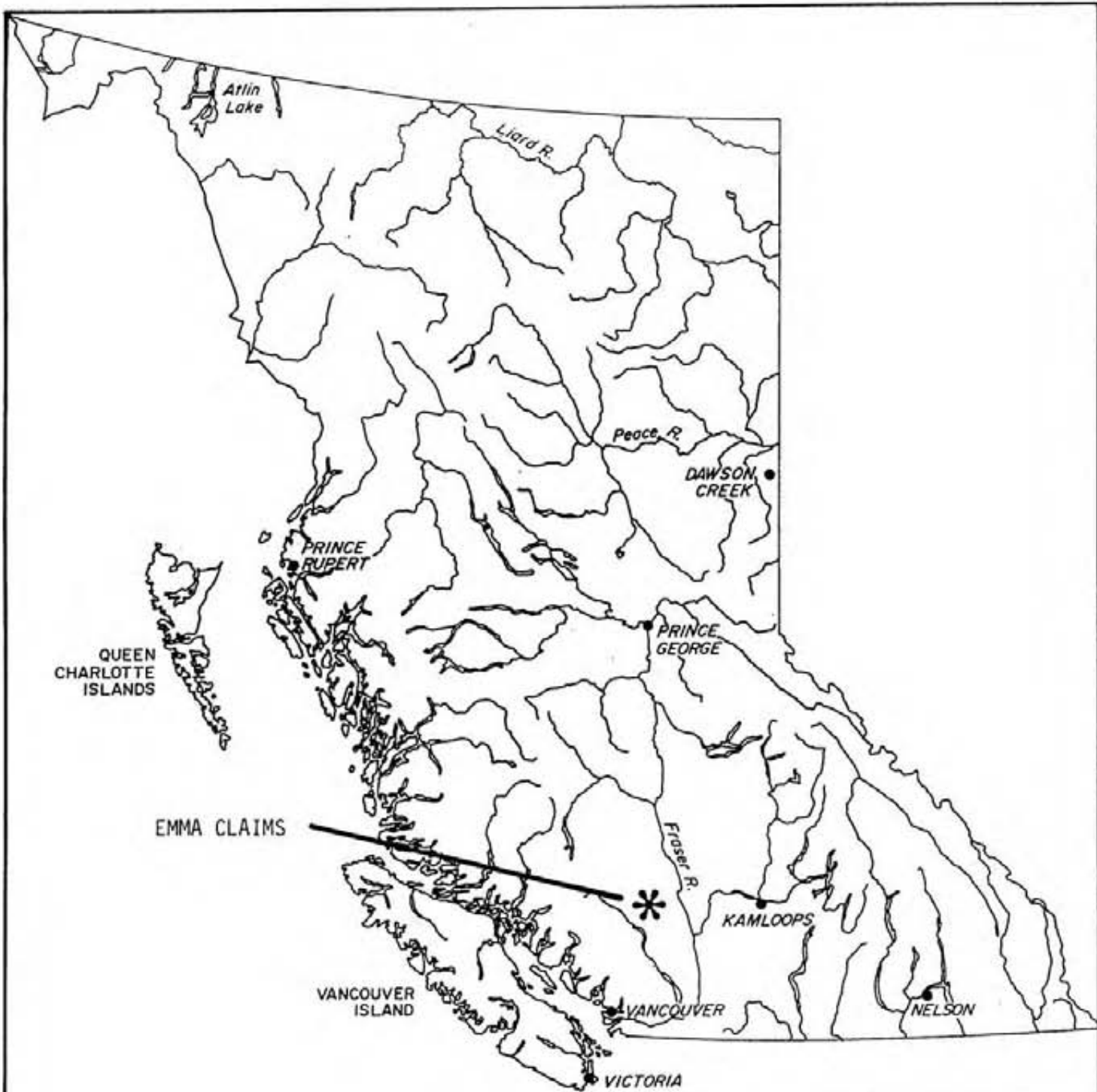
Appendix F  
Certificate of Qualification

I, J.T. Crandall, hereby certify that:

1. My business address is #2 - 1338 Arbutus Street, Vancouver, B.C. V6J 3W8; and that I am a Geologist by occupation
2. I hold a B.Sc. in Geological Engineering from the University of Toronto, Ontario. I have been practicing my profession since 1970, and I am a member of the Association of Professional Engineers (Geological) of the Province of British Columbia
3. I directed the geochemical sampling on the Emma Claims described in the attached report
4. I hold no interest in the Emma Claims nor in the securities of Golden Slipper Resources Inc., nor do I expect to receive any such interest.

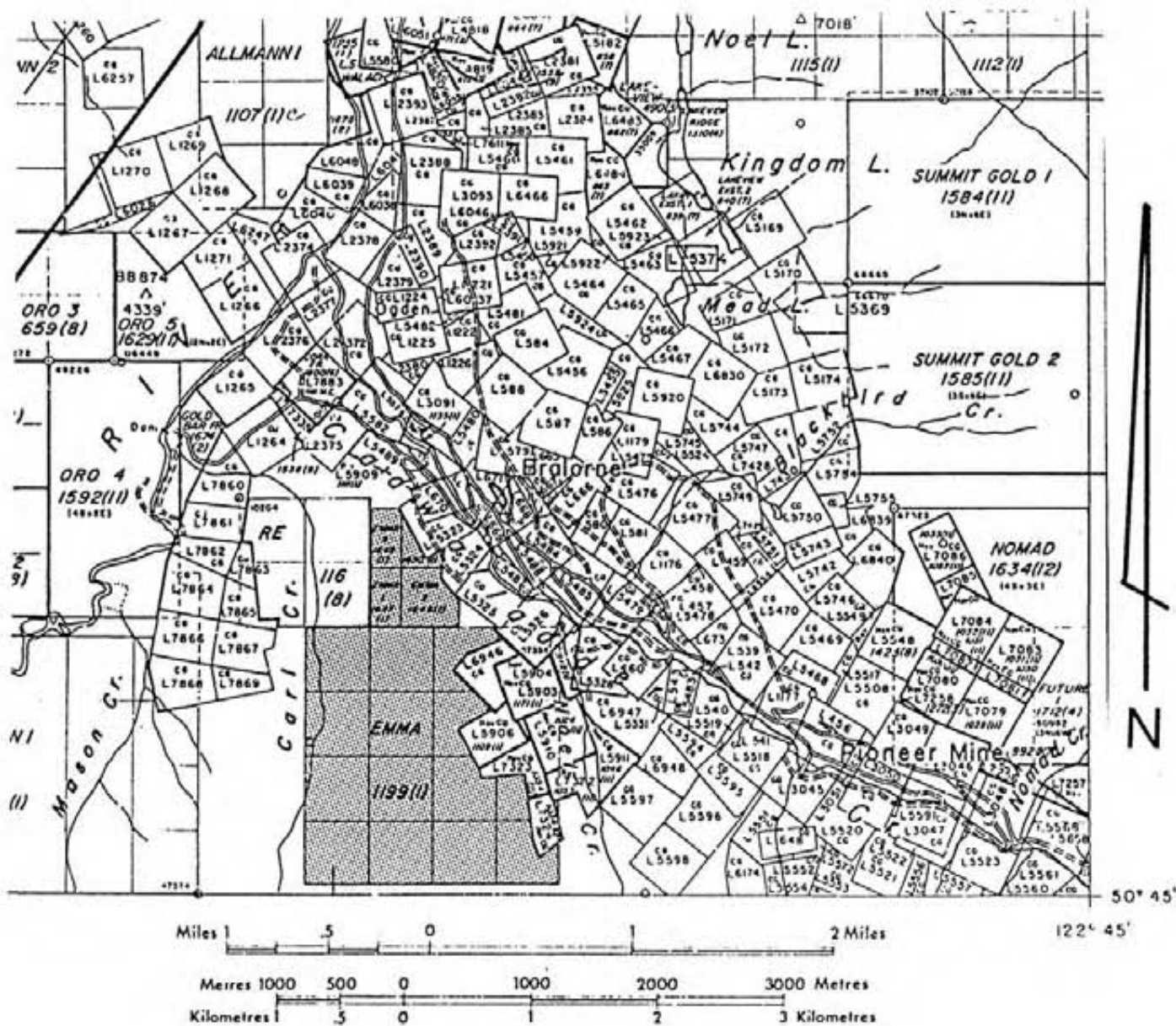
  
J. T. Crandall, P. Eng. 

October 20, 1981



GOLDEN SLIPPER RESOURCES	
EMMA CLAIMS GENERAL LOCATION	
DRAWING 1	20 October 1981
NEVIN SADLIER-BROWN GOODBRAND LTD.	





GOLDEN SLIPPER RESOURCES

EMMA CLAIMS  
CLAIM MAP

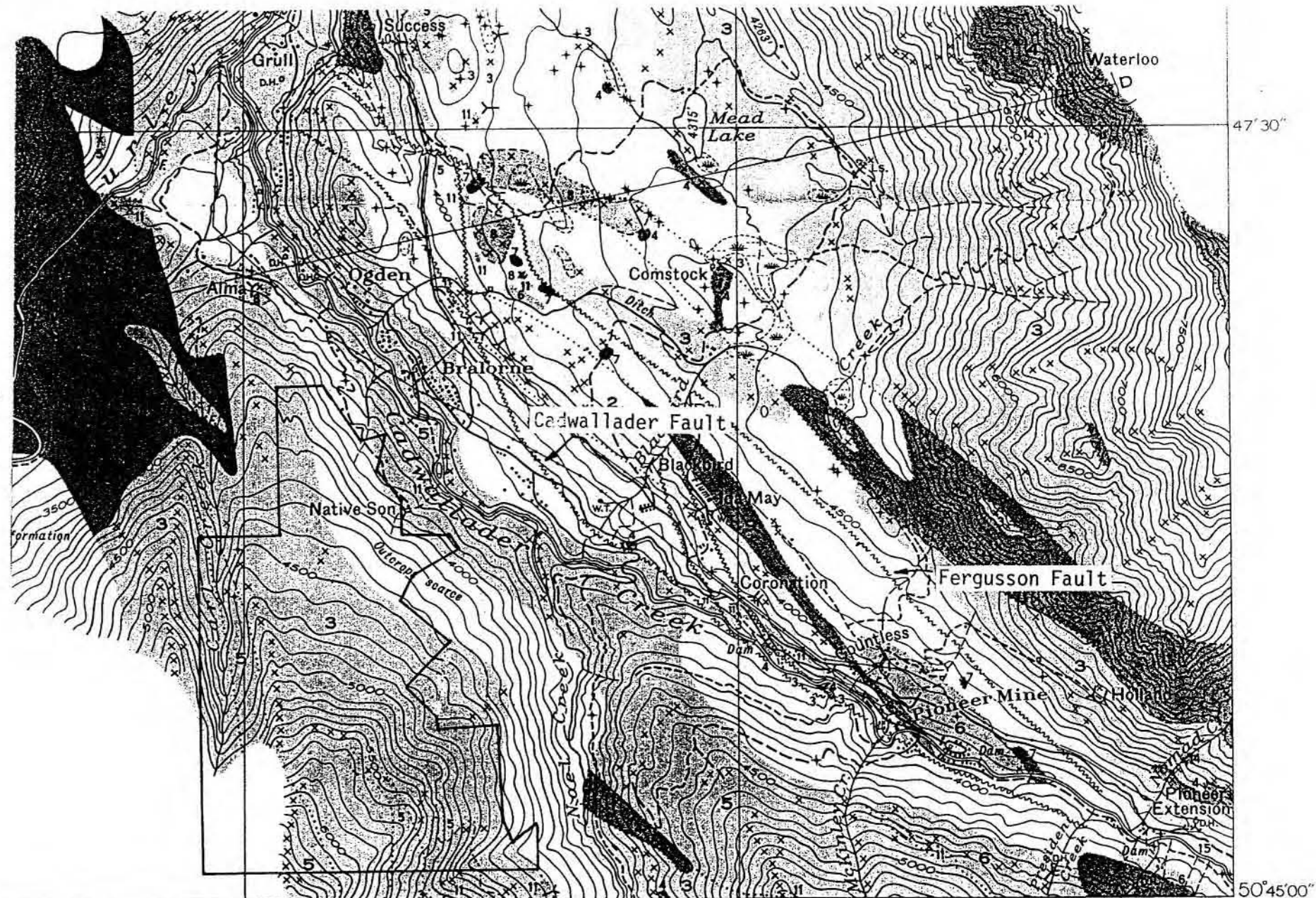
Lillooet Mining Division, B.C.

DRAWING 2      20 October 1981

NEVIN SADLER-BROWN GOODBRAND LTD.

# LEGEND

- |                      |   |    |  |
|----------------------|---|----|--|
| CENOZOIC             | MODERN                                      | 15 | PLEISTOCENE and RECENT: recent alluvium and glacial drift  |
|                      | CRETACEOUS OR TERTIARY<br>BENDOR INTRUSIVES | 14 | Hornblende-biotite-quartz diorite; some granite, granodiorite and diorite  |
| MESOZOIC OR CENOZOIC |   | 13 | Porphyritic diorite; feldspar porphyrite, hornblende porphyrite; felsite, aphanite                                     |
|                      | JURASSIC (?)<br>BRALORNE INTRUSIVES         | 8  | Gabbro, augite diorite, quartz diorite, meta-diorite   |
| MESOZOIC             |   | 11 | PRESIDENT INTRUSIVES<br>Serpentine   |
|                      |   | 9  | Sumner diallage gabbro   |
|                      | TRIASSIC AND (OR) JURASSIC                  |    | HURLEY FORMATION: argillaceous and tuffaceous sediments, in part calcareous; limestone, conglomerate, tuff, lava flows |
|                      |   | 6  | PIONEER FORMATION: andesite, meta-andesite; tuff, breccia  |
|                      |   | 5  | NOEL FORMATION: argillaceous and tuffaceous sediments; conglomerate; tuff, breccia; some chert and greenstone          |
| PALAEOZOIC (?)       | PERMIAN (?)<br>FERGUSSON SERIES             |    | Basalt, andesite; tuff, breccia; crystalline limestone   |
|                      |   | 3  | Mainly thinly interbedded chert and argillite; massive chert; crystalline limestone                                    |
|                      |   | 2  | Areas of augite diorite, etc. (8) in which bodies of soda granite (9) occur  |
|                      |   |    | Indistinguishable Pioneer greenstone and Bralorne intrusives: mainly fine-grained diorite and (or) greenstone          |

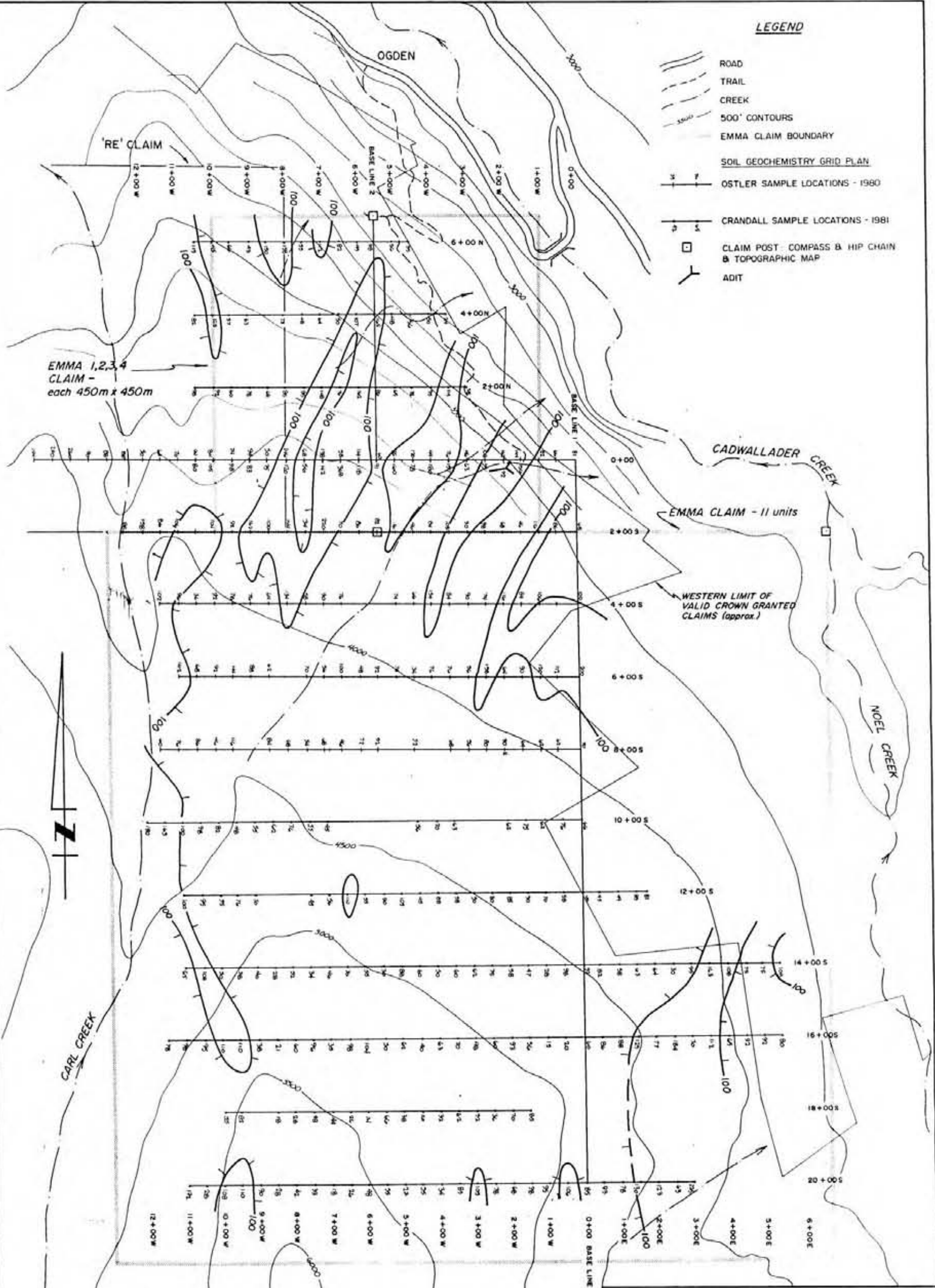


MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**10,087**

GOLDEN SLIPPER RESOURCES  
EMMA CLAIMS  
DRAWING 3 REGIONAL GEOLOGY  
Nevin Sadler-Brown Goodbrand Ltd.  
October 1981

**LEGEND**

- ROAD
- TRAIL
- CREEK
- 500' CONTOURS
- EMMA CLAIM BOUNDARY
- SOIL GEOCHEMISTRY GRID PLAN
- OSTLER SAMPLE LOCATIONS - 1980
- CRANDALL SAMPLE LOCATIONS - 1981
- CLAIM POST - COMPASS & HIP CHAIN  
& TOPOGRAPHIC MAP
- ADIT



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**10,087**  
No.

GOLDEN SLIPPER RESOURCES	
<b>EMMA CLAIMS SOIL GEOCHEMISTRY ZINC (ppm)</b>	
LILLOOET M.D., B.C.	NTS MAP 92J/15
DRAWING 4:	SCALE 1:10000
NEVIN SADLER-BROWN GOODBRAND LTD OCTOBER 1981	

**LEGEND**

- ROAD
- TRAIL
- CREEK
- 500' CONTOURS
- EMMA CLAIM BOUNDARY
- SOIL GEOCHEMISTRY GRID PLAN
- OSTLER SAMPLE LOCATIONS - 1980
- CRANDALL SAMPLE LOCATIONS - 1981
- CLAIM POST COMPASS & HIP CHAIN & TOPOGRAPHIC MAP
- ADIT

OGDEN

RE CLAIM

EMMA 1,2,3,4 CLAIM - each 450m x 450m

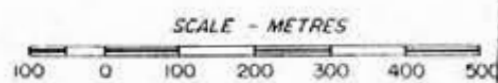
CADWALLADER CREEK

EMMA CLAIM - 11 units

WESTERN LIMIT OF VALID CROWN GRANTED CLAIMS (approx.)

NOEL CREEK

CARL CREEK



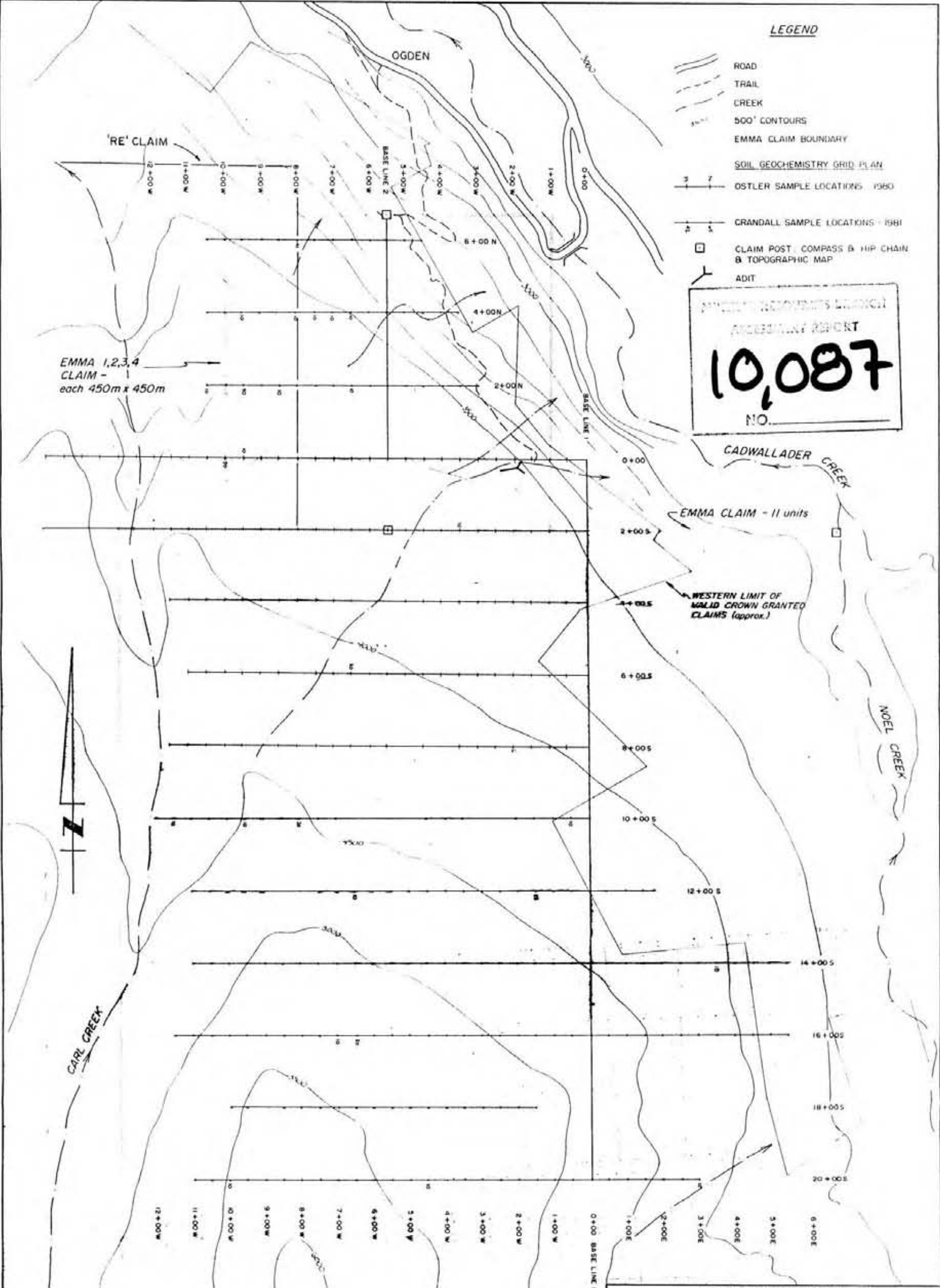
MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**10,087**  
NO.

GOLDEN SLIPPER RESOURCES	
<b>EMMA CLAIMS</b>	
<b>SOIL GEOCHEMISTRY</b>	
<b>ARSENIC (ppm)</b>	
LILLOOET M.D. B.C.	NTS MAP 92J/15
DRAWING 5	SCALE 1:10,000
NEVIN SADLER - BROWN GOODBRAND LTD OCTOBER 1981	

**LEGEND**

- ROAD
- TRAIL
- CREEK
- 500' CONTOURS
- EMMA CLAIM BOUNDARY
- SOIL GEOCHEMISTRY GRID PLAN
- OSTLER SAMPLE LOCATIONS - 1980
- CRANDALL SAMPLE LOCATIONS - 1981
- CLAIM POST: COMPASS & HIP CHAIN & TOPOGRAPHIC MAP
- ADIT

GOLDEN SLIPPER RESOURCES  
 PRELIMINARY REPORT  
**10,087**  
 NO. \_\_\_\_\_



EMMA 1,2,3,4 CLAIM - each 450m x 450m

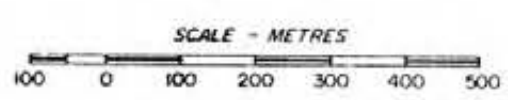
CADWALLADER CREEK  
 EMMA CLAIM - 11 units

WESTERN LIMIT OF VALID CROWN GRANTED CLAIMS (approx.)

CARL CREEK

NOEL CREEK

**NOTE:**  
 GOLD ANALYSES WERE RUN FOR EVERY SAMPLE STATION. DETECTION LIMIT IS 10 ppb. ONLY VALUES ≥ 10 ppb ARE PLOTTED.



GOLDEN SLIPPER RESOURCES	
<b>EMMA CLAIMS SOIL GEOCHEMISTRY GOLD (ppb)</b>	
LILLOET M.D. B.C.	NTS MAP 92.1/15
DRAWING 6	SCALE 1:10,000
NEVIN SADLER - BROWN GOODBRAND LTD. OCTOBER 1981	