# GEOLOGICAL and GEOCHEMICAL REPORT

## GRANITE MINERAL CLAIM

GRANITE M.C 20 units Record No. 12642

located in the Omineca Mining Division

of British Columbia

N.T.S 94C/5W

Latitude 56 Degrees 28 Minutes North

Longitude 125 degrees 55 minutes West

Work applied to: Granite Mineral Claim



Owner and Operator

P. J. Weishaupt
1160 Tall Tree Lane,
North Vancouver, B. C. V7R 1W4

Prepared by: P.J. Weishaupt
Paul J. Weishaupt F.M.C 128530

Date submitted: December 16, 1991

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## APPENDICES AND MAPS

## 1. INTRODUCTION

On October 4th. 1990, six 2 Post Claims (GB 1-6) were staked by P. J. Weishaupt. The claims cover the ground where extensive exploration work was done in 1936 and 1937 by the Consolidated Mining and Smelting Company of Canada. (Cominco), who located Gold-Silver mineralization on the property.

On October 8th. 1990, one 4 Post Claim (Granite M.C.) consisting of 20 units was staked to cover the general area of interest.

All the claims were recorded on October 15th. 1990 in Vancouver. The Statement of Work was filed on October 4th. 1991. The six 2 Post Claims (G.B 1-6) Record Nos. 12643 to 12648 were dropped as the Granite claim (20 units) covered the area and all the claims had the same owner.

Paul Weishaupt assumed that Emil Bronlund was in possession of some valuable documentation regarding this property but he was unable to get access to any of it until the death of Emil Bronlund in 1989.

Some exploration work was carried out by Teck Explorations Ltd. in conjunction with their Porphyry Creek 1991 Project

## 2. LOCATION, ACCESS and PHYSIOGRAPHIC SETTING

The Granite Mineral Claim is located in the Aiken Lake District of the Omineca Mining Division of British Columbia. Designation by the National Topographic Systems (N.T.S) is 94C/5W. Aiken Lake is approximately 7.5 Km. S 41 degrees East from the Granite Claim.

Access to the property is via a 4-wheel drive road which takes off from the Omineca Mine Access Road (O.M.A.R) at Km. 363 from Windy Point on the Hart Highway. Alternative access is from Fort St. James a distance of 365 kilometers.
The claim covers the south wall of a nort-easterly facing cirque, draining into Lay Creek. Most of the claim area is above treeline elevation. The lower elevation is forested by Alpine Fir and Spruce.
Elevations range from 1300 meters at the North-East corner to 2070 meters above mean sea level at the South-West corner of the claim.
Weather in this location is typical of the interior of the province The exploration season opens around May 15, and continues to the end of September. Snow remains on the North facing cirque until July.

## 3. LAND STATUS

The Granite Mineral Claim, record No. 12642, consists of 20 units.
Paul J. Weishaupt owns 100% interest in the claim.
A Statement of Work was filed on October 4, 1991.

| CLAIM | UNITS | RECORD NO. | NEW EXPIRY DATE |
|---|---|---|---|
| Granite | 20 | 12642 | 8.10.93 |

## 4. HISTORY

In 1935 interesting gold assays were obtained by Cominco from ore floats located along a steep , craggy slope. The area was staked in 1936 and 1,142 linear feet of hand trenching was done. 110 feet of drifting in talus was done without reaching bedrock. The trenches were surveyed and sampled at 5 ft. widths. In 1937 a new drift , at somewhat higher elevation, was driven to intersect the surface values obtained in Trench 1+12 No. 1 zone. This surface trench, 65 feet in length, had two sections with gold values. Section 1, 20-30 feet ( 10 ft. of 0.11 oz/ton gold) and Section 2, 45-65 ft. (20 ft. 0.355 oz/ton gold) Trench Section 1 was intersected underground in the No.1 Cross-cut South. Cross-cut No.2 was too short to intersect Trench Section 2. A proposed 970 ft. Cross-cut to be driven in 1938 was cancelled when all Cominco's efforts were concentrated at the Pinchi Lake Mercury claims staked May 1st. of that year.

In 1940 Douglas Lay, of the Department of Mines, visited the Granite Basin Property, took samples and wrote a report on the property. ( Bulletin 1, 1940 by D. Lay ). The property was idle until 1962 when Emil Bronlund prospected the area and located new showings to the West of the 1937 Adit Workings and consequently staked the Lay Group of Mineral Claims.

In 1963 W. Sinola, geologist for Kerr Addison Gold Mines Ltd.,took some samples from the area one of which assayed 0.22 oz/ton gold and 7.9 oz./ton silver. Nothin further was done on the Property until 1971 when D. Stelling staked the Susie Claims. In 1972 and 1973 the claims were under option to Union Miniere Exploration who conducted a soil geochemical survey and 65 ft. of exposure was sampled.

In 1974 Stelling optioned the Susie group to Susie Gold Mines who conducted geochemical soil and rock chip surveys over all the claims. Road access was constructed and trenching to the South-east of the original showings was done. This was a 2 year program.

The showings were re-staked by N. Burmeister in 1979 as the Granite Basin 1-6 Claims and he optioned them to Mark V Petroleum Ltd. early in 1980. Taiga Consulting of Calgary conducted EM and Magnetometer surveys and took chip samples along the road. Nothing more was done until Paul Weishaupt staked the GB 1-6 in October of 1990.

## 5. GEOLOGY

The claims are underlain by Takla group andesite and intercalated sedimentary rocks, invaded by small bodies of Omineca Intrusions. The predominant rocks in the immediate vicinity of the main workings are moderately dark, grey-green porphyritic andesites, with small black hornblend and scattered grey feldspar phenocryst. A few beds of tuff, argillite and impure limestone are intercalated with the andesite. The rock is cut by a grey to greenish-grey "diorite porphyry" with hornblend phenocryst in a fine grained matrix. This porphyry closely resembles the andesite.

The andesite and the "diorite porphyry" are intruded by a medium to light grey to buff coloured, medium grained, sugary "porphyritic diorite" with abundant feldspar phenocryst.

The andesite, the "diorite porphyry and the "porphyritic diorite" are all cut by well defined dykes, 10 to 100 feet wide, of light grey feldspar porphyry.

The andesite and the "diorite Porphyry" are generally sparsely mineralized with fine grained pyrite but maybe well mineralized where they are in contact with the "porphyritic diorite" which is heavily, though somewhat irregularly, pyritized.
Four pyritized bands are exposed within a horizontal distance ofabout 600 meters between elevations of 1600 to 2000 meters above mean sea level. They appear to consist mainly of sill-like bodies of porphritic diorite trending about parallel with the bedding of the tuffs and argillites which are well exposed further West on the cirque wall, where they strike North-east and dip 40 to 60 degrees North-west. The most Easterly of these bands is split by an unmineralized porphyry dyke about 18 meters wide producing, at the crest of the ridge, five pyritized bands which have been numbered 1 to 4 consecutively from East to West. In the earlier days most of the work was concentrated on the pyritized bands.
Recent prospecting and mapping indicates that the gold and silver values are associated with a pattern of shearing which cuts across all rock types and contacts and is later than the pyritic zones and probably the latest structural event.
The zones of shearing are three to fifteen meters wide , have an East West strike with steep North-westerly dips and trend parallel to the cirque valley axis. There are three of these zones indicated. They have the appearance of gneissic bands and contain quartz, chlorite and carbonates. The extent of these shear zones has not been explored in detail.

## 6. 1991 EXPLORATION PROGRAM

6.1 Soil surveys were conducted by Teck Explorations Ltd. 5 traverse, totaling approximately 6.0 Km.,along contour lines were made and 123 samples were collected. Sample spacing was approximately 50 meters.
The traverse are numbered 1 to 5 and shown on the plan G91-1
All samples were were submitted to Rossbachen Laboratory Ltd. of Burnaby B. C. for 31 element analysis using I.C.P (Induction Coupled Plasma) technique. Gold values in ppb. were termined by Atomic Absorbtion. Gold values only were plotted on plan G91-1.

### 6.2 Discussion of Results

The following values in gold have been used in evaluating the geochemical results.

| | Above Threshold | Weakly Anomalous | Anomalous |
|---|---|---|---|
| Au. | 20 ppb. | 40 ppb. | 80 ppb. |

Based on the above criteria anomalous Au. geochemical results are as follows:

Traverse No.1
Sample 91-G-179

Traverse No.2 nil

Traverse No.3 nil

Traverse No.4
Samples 91-G-258,162,166,191

Traverse No.5
Samples 91-B-174,178,179,180,183,186,187,189

### 6.3 Rock Sampling

28 rock samples were taken, the majority taken in the newly dug trenches 1 to 3.
Trenches Nos. 1 and 2 - Map G91-2 were dug by hand in the hopes of locating and exposing the No.1 Shear Zone just above the caved adit and to duplicate the results obtained in 1937 in trench 1+12.(0.36 oz./ton gold over 6 meters) The exact location of the 1937 sample location is difficult to determine as the old surface trenching has been filled with talus.
Trench No.3 _ Map 91-3 was blasted into a cliff face to permit samples to be taken. The location of this trench is approximately 200 meters West of the old adit site and probably represents the No.3 Shear Zone.

### 6.4 Discussion of Results

The main objective of the Rock sampling program was to locate one of the Shear Zones. Discrepancies between sampling carried out on the three zones from 1937 to 1980 suggest that the sampling was not carried out on the same zones. It is very difficult to recognise the zones in outcrops as the intrusive rocks, as a whole contain in part abundant pyrite. The results obtained from trench No.3 strongly indicates the existence of No.3 Shear Zone.

## 7. SUMMARY AND CONCLUSION

The property has been well documented over the past 50 years. The original work done by Emil Bronlund for Cominco in 1935 - 1937 was the most concentrated. To this time all efforts have failed to duplicate Cominco's results.
The geochemical survey done by Teck Exploration Ltd. indicates the presence of gold bearing rocks on the North facing slopes of the cirque. The limited rock sampling program indicates the presence of gold and silver bearing rocks west of the main workings of 1937. The Granite M.C. deserves a comprehensive evaluation.

## 8. RECOMMENDATIONS

The potential economic widths and grades from the 1936 to 1937 sampling and the widespread zones of shearing with some anomalous Au. and Ag. values, warrants further detailed evaluation of the Granite Mineral Claim.

The following, 2 stage, exploration program is recommended.

Stage 1.
- a. Produce a base map Scale 1:500 with 5 meters contour off the 1936 to 1937 Exploration area.
- b. E.D.M survey based on the 1936 survey notes to to locate all Trenches, Geology and Topography
- c. Open up all old trenches and sample at 1 meter intervals. Drilling and blasting will be required to obtain uniform samples.
- d. Detailed mapping of trenches and geology from established survey points.

Stage 2. Diamond drilling if trenching outlined valid drill targets.

# APPENDIX 1
# METHOD OF ANALYSIS

## ROSSBACHEN LABORATORY LTD. BURNABY, B.C

## ACME ANALYTICAL LABORATORIES LTD.VANCOUVER, B.C

## GEOCHEMICAL LABORATORY METHOD

### SAMPLE PREPARATION

Soil Samples

1. Soil samples are dried at 60 degrees Celsius and 30 grams is seived to -80 mesh.

### GEOCHEMICAL ANALYSIS (ICP)

0.5 gram samples are digested in hot dilute aqua regia in a boiling water bath and diluted to 10 ml. with demineralized water.

Extracted metals are determined by:

1. ICP - 0.50 gram sample is digested with 3 ml. of 3:1:2 HC1-HN03-H20 at 95 degrees celsius for 1 hour and is diluted to 10 ml. with water.

   Cu.,Pb.,Zn. and AG. are determined by ICP.

### GEOCHEMICAL ANALYSIS (AA)

2. 10.0 gram samples that have been ignited overnite at 600 degrees celsius are digested with hot dilute aqua regia and the clear solution obtained is extracted with Methyl Isobutyl Ketone.

   Au. is determined in the MIBK extract by Atomic Absorption.

3. Fire Assay for Au. and Ag. 1 A.T. Sample

The results for Cu.,Pb.,Zn. and AG. are reported in Parts Per Million (PPM)

The results for Au. are reported in Parts Per Billion (PPB).

The results for Au.,Ag. Fire Assay are reported in oz/ton

# APPENDIX 2

## ASSAY CERTIFICATES FOR SOIL AND ROCK SAMPLES

# ROSSBACHER LABORATORY LTD.

*CERTIFICATE OF ANALYSIS*

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

**To :** TECK EXPLORATIONS LTD.
# 960-175 SECOND AVE.
KAMLOOPS, B.C.

**Project:** 1384
**Type of Analysis:** ICP

*TRAVERSE NO. I*

*Sample No. 172- 212*

**Certificate:** 91198
**Invoice:** 20347
**Date Entered:** 91-08-09
**File Name:** TEK91198.I
**Page No.:** 8

| PRE FIX | SAMPLE NAME | PPM MO | PPM CU | PPM PB | PPM ZN | PPM AG | PPM NI | PPM CO | PPM MN | % FE | PPM AS | PPM AU | PPM HG | PPM SR | PPM CD | PPM SB | PPM BI | PPM V | % CA | % P | PPM LA | PPM CR | % MG | PPM BA | % TI | % AL | % NA | % K | % S | PPM W | PPM BE | PPB AU | PPB AA | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | 91G-202S | 3 | 87 | 19 | 201 | 0.2 | 33 | 28 | 1172 | 4.59 | 14 | ND | ND | 97 | 1 | 3 | 2 | 95 | 0.57 | 0.13 | 5 | 19 | 1.34 | 152 | 0.15 | 3.27 | 0.05 | 0.07 | 0.01 | 1 | 2 | 10 | 5.7 |
| S | 91G-203S | 2 | 90 | 36 | 390 | 0.3 | 38 | 37 | 1454 | 5.03 | 22 | ND | ND | 95 | 1 | 3 | 2 | 99 | 0.68 | 0.15 | 6 | 20 | 1.58 | 152 | 0.16 | 3.61 | 0.07 | 0.07 | 0.01 | 1 | 2 | 5 | 5.9 |
| S | 91G-204S | 4 | 115 | 87 | 579 | 0.7 | 57 | 46 | 1750 | 5.98 | 36 | ND | ND | 93 | 2 | 4 | 2 | 108 | 0.67 | 0.15 | 7 | 24 | 2.00 | 92 | 0.16 | 3.47 | 0.07 | 0.09 | 0.01 | 1 | 2 | 5 | 6.1 |
| S | 91G-205S | 4 | 112 | 32 | 278 | 0.5 | 46 | 46 | 1750 | 6.09 | 24 | ND | ND | 111 | 1 | 2 | 2 | 105 | 0.78 | 0.19 | 7 | 18 | 1.81 | 105 | 0.16 | 4.00 | 0.07 | 0.08 | 0.01 | 5 | 2 | 5 | 6.0 |
| S | 91G-206S | 4 | 112 | 35 | 370 | 0.5 | 50 | 46 | 1791 | 5.94 | 28 | ND | ND | 104 | 2 | 6 | 2 | 85 | 0.86 | 0.22 | 6 | 17 | 1.71 | 85 | 0.07 | 3.54 | 0.05 | 0.09 | 0.09 | 5 | 2 | 5 | 6.3 |
| S | 91G-207S | 5 | 157 | 33 | 227 | 0.7 | 62 | 47 | 1573 | 6.22 | 14 | ND | ND | 157 | 1 | 2 | 2 | 112 | 1.20 | 0.18 | 8 | 19 | 1.94 | 144 | 0.15 | 3.97 | 0.08 | 0.14 | 0.02 | 7 | 3 | 10 | 6.3 |
| S | 91G-208S | 4 | 179 | 34 | 264 | 1.1 | 74 | 47 | 1542 | 7.17 | 21 | ND | ND | 160 | 2 | 8 | 2 | 136 | 1.02 | 0.16 | 7 | 19 | 2.29 | 367 | 0.19 | 3.78 | 0.10 | 0.12 | 0.01 | 7 | 3 | 10 | 6.4 |
| S | 91G-209S | 4 | 181 | 47 | 252 | 1.0 | 115 | 55 | 1665 | 6.56 | 40 | ND | ND | 217 | 1 | 8 | 2 | 133 | 0.94 | 0.13 | 6 | 22 | 2.81 | 229 | 0.17 | 4.26 | 0.08 | 0.11 | 0.01 | 7 | 3 | 5 | 6.5 |
| S | 91G-210S | 4 | 159 | 32 | 225 | 1.1 | 60 | 46 | 1688 | 6.31 | 26 | ND | ND | 128 | 1 | 3 | 2 | 136 | 0.72 | 0.19 | 7 | 14 | 2.12 | 224 | 0.18 | 3.77 | 0.07 | 0.14 | 0.01 | 6 | 3 | 5 | 6.0 |
| S | 91G-211S | 4 | 180 | 46 | 330 | 0.4 | 55 | 50 | 1565 | 5.86 | 24 | ND | ND | 86 | 1 | 8 | 2 | 122 | 0.64 | 0.16 | 6 | 13 | 1.91 | 129 | 0.23 | 3.43 | 0.07 | 0.11 | 0.01 | 4 | 3 | 10 | 5.5 |
| S | 91G-212S | 5 | 230 | 36 | 191 | 0.6 | 51 | 60 | 1984 | 6.21 | 23 | ND | ND | 123 | 2 | 14 | 2 | 143 | 0.91 | 0.15 | 4 | 20 | 2.08 | 109 | 0.22 | 3.60 | 0.04 | 0.17 | 0.02 | 3 | 3 | 5 | 6.1 |
| S | 91G 172S | 19 | 146 | 16 | 303 | 0.7 | 40 | 35 | 2594 | 7.08 | 29 | ND | ND | 143 | 2 | 7 | 2 | 97 | 1.38 | 0.13 | 5 | 13 | 0.97 | 141 | 0.14 | 4.18 | 0.11 | 0.13 | 0.03 | 2 | 2 | 30 | 5.3 |
| S | 91G-173S | 9 | 159 | 27 | 142 | 0.8 | 27 | 20 | 1746 | 6.05 | 33 | ND | ND | 92 | 1 | 5 | 2 | 103 | 0.49 | 0.10 | 4 | 21 | 0.89 | 258 | 0.12 | 3.10 | 0.05 | 0.06 | 0.01 | 4 | 2 | 45 | 5.5 |
| S | 91G-174S | 5 | 214 | 15 | 108 | 0.7 | 20 | 31 | 1548 | 5.11 | 11 | ND | ND | 154 | 1 | 4 | 2 | 76 | 1.14 | 0.27 | 7 | 16 | 0.96 | 245 | 0.11 | 3.85 | 0.05 | 0.09 | 0.03 | 6 | 2 | 30 | 5.5 |
| S | 91G 175S | 6 | 190 | 16 | 106 | 0.6 | 22 | 21 | 1582 | 4.38 | 18 | ND | ND | 89 | 1 | 2 | 2 | 75 | 0.75 | 0.13 | 5 | 15 | 0.76 | 199 | 0.08 | 3.45 | 0.05 | 0.07 | 0.01 | 4 | 2 | 10 | 5.3 |
| S | 91G 176S | 4 | 95 | 19 | 175 | 1.2 | 29 | 17 | 983 | 4.55 | 29 | ND | ND | 72 | 1 | 4 | 2 | 75 | 0.51 | 0.15 | 6 | 18 | 1.08 | 246 | 0.07 | 4.83 | 0.06 | 0.05 | 0.02 | 1 | 2 | 10 | 5.8 |
| S | 91G 177S | 4 | 118 | 17 | 159 | 0.8 | 32 | 24 | 1518 | 4.03 | 34 | ND | ND | 91 | 2 | 4 | 2 | 64 | 1.64 | 0.14 | 5 | 16 | 1.12 | 321 | 0.07 | 2.28 | 0.10 | 0.10 | 0.01 | 6 | 1 | 20 | 6.6 |
| S | 91G-178S | 5 | 208 | 13 | 190 | 1.0 | 34 | 33 | 1917 | 5.34 | 37 | ND | ND | 150 | 1 | 2 | 2 | 79 | 0.87 | 0.09 | 4 | 18 | 1.27 | 238 | 0.14 | 3.51 | 0.06 | 0.12 | 0.01 | 1 | 2 | 30 | 6.3 |
| S | 91G 179S | 9 | 112 | 28 | 202 | 1.3 | 88 | 42 | 3399 | 7.69 | 57 | ND | ND | 140 | 2 | 9 | 2 | 97 | 1.15 | 0.15 | 7 | 24 | 1.88 | 191 | 0.13 | 3.69 | 0.09 | 0.09 | 0.01 | 5 | 2 | 100 | 6.6 |
| S | 91G 180S | 6 | 68 | 16 | 124 | 0.6 | 88 | 41 | 2947 | 5.91 | 20 | ND | ND | 127 | 1 | 3 | 2 | 93 | 0.77 | 0.10 | 5 | 22 | 1.93 | 286 | 0.18 | 4.40 | 0.07 | 0.15 | 0.01 | 2 | 2 | 20 | 6.2 |
| S | 91G-181S | 4 | 109 | 19 | 443 | 1.4 | 68 | 41 | 2885 | 9.19 | 73 | ND | ND | 43 | 2 | 9 | 2 | 117 | 0.52 | 0.11 | 17 | 16 | 1.98 | 79 | 0.16 | 3.54 | 0.08 | 0.01 | 0.02 | 5 | 3 | 30 | 6.5 |
| S | 91G-182S | 4 | 112 | 15 | 163 | 0.6 | 66 | 32 | 3457 | 5.62 | 17 | ND | ND | 95 | 1 | 5 | 2 | 58 | 2.23 | 0.26 | 8 | 14 | 1.35 | 287 | 0.03 | 2.71 | 0.06 | 0.05 | 0.01 | 9 | 1 | 20 | 6.9 |
| S | 91G-183S | 6 | 121 | 18 | 151 | 0.6 | 48 | 43 | 2838 | 6.34 | 24 | ND | ND | 96 | 1 | 2 | 2 | 89 | 1.03 | 0.16 | 7 | 22 | 1.62 | 270 | 0.11 | 3.05 | 0.06 | 0.14 | 0.03 | 3 | 2 | 20 | 6.6 |
| S | 91G-184S | 6 | 60 | 19 | 200 | 0.5 | 27 | 24 | 2740 | 5.35 | 6 | ND | ND | 123 | 1 | 2 | 2 | 66 | 1.52 | 0.15 | 7 | 16 | 1.75 | 286 | 0.09 | 3.63 | 0.06 | 0.05 | 0.02 | 8 | 2 | 5 | 7.2 |
| S | 91G-185S | 3 | 82 | 11 | 130 | 0.3 | 39 | 24 | 1873 | 5.04 | 26 | ND | ND | 82 | 1 | 2 | 2 | 81 | 0.68 | 0.16 | 5 | 18 | 1.40 | 258 | 0.08 | 3.56 | 0.07 | 0.06 | 0.02 | 2 | 2 | 10 | 5.9 |
| S | 91G-186S | 3 | 135 | 14 | 146 | 0.3 | 33 | 31 | 1240 | 5.96 | 28 | ND | ND | 60 | 1 | 2 | 2 | 84 | 0.39 | 0.14 | 9 | 15 | 1.32 | 233 | 0.14 | 4.07 | 0.06 | 0.07 | 0.02 | 1 | 2 | 10 | 5.8 |
| S | 91G-187S | 3 | 123 | 19 | 170 | 0.5 | 46 | 34 | 1604 | 5.43 | 14 | ND | ND | 91 | 1 | 2 | 2 | 99 | 0.55 | 0.17 | 7 | 17 | 1.71 | 363 | 0.18 | 3.86 | 0.06 | 0.19 | 0.02 | 2 | 2 | 5 | 5.5 |
| S | 91G-188S | 3 | 95 | 16 | 132 | 0.3 | 38 | 23 | 659 | 4.96 | 9 | ND | ND | 81 | 1 | 2 | 2 | 87 | 0.49 | 0.14 | 5 | 16 | 1.36 | 315 | 0.16 | 4.34 | 0.05 | 0.09 | 0.02 | 1 | 2 | 20 | 5.5 |
| S | 91G 189S | 3 | 122 | 20 | 151 | 0.6 | 45 | 29 | 1017 | 5.21 | 11 | ND | ND | 166 | 1 | 4 | 2 | 79 | 0.55 | 0.15 | 9 | 15 | 1.26 | 516 | 0.13 | 3.89 | 0.06 | 0.09 | 0.02 | 2 | 2 | 10 | 5.5 |
| S | 91G-191S | 3 | 91 | 16 | 174 | 0.6 | 31 | 23 | 1527 | 4.78 | 6 | ND | ND | 114 | 1 | 2 | 2 | 54 | 0.58 | 0.16 | 8 | 13 | 0.97 | 271 | 0.06 | 3.27 | 0.07 | 0.08 | 0.01 | 1 | 2 | 10 | 5.7 |
| S | 91G-192S | 3 | 85 | 13 | 125 | 0.4 | 30 | 28 | 1162 | 4.86 | 7 | ND | ND | 77 | 1 | 2 | 2 | 87 | 0.72 | 0.12 | 6 | 14 | 1.40 | 198 | 0.19 | 3.70 | 0.05 | 0.15 | 0.01 | 2 | 2 | 15 | 5.1 |
| S | 91G-193S | 3 | 102 | 40 | 246 | 0.5 | 35 | 32 | 1194 | 5.01 | 13 | ND | ND | 86 | 1 | 7 | 2 | 98 | 0.63 | 0.15 | 5 | 21 | 1.43 | 253 | 0.23 | 4.00 | 0.07 | 0.09 | 0.02 | 6 | 2 | 15 | 5.9 |
| S | 91G-194S | 4 | 80 | 24 | 209 | 0.3 | 37 | 32 | 1585 | 5.40 | 9 | ND | ND | 63 | 1 | 9 | 6 | 107 | 0.92 | 0.14 | 5 | 22 | 1.80 | 192 | 0.21 | 3.30 | 0.07 | 0.10 | 0.01 | 8 | 2 | 5 | 5.4 |
| S | 91G-195S | 3 | 86 | 24 | 151 | 0.3 | 37 | 32 | 1311 | 4.98 | 18 | ND | ND | 59 | 1 | 7 | 10 | 94 | 0.53 | 0.13 | 6 | 19 | 1.53 | 193 | 0.18 | 3.62 | 0.07 | 0.08 | 0.01 | 4 | 2 | 5 | 6.0 |
| S | 91G-196S | 3 | 114 | 29 | 295 | 0.5 | 46 | 36 | 1605 | 5.54 | 22 | ND | ND | 75 | 1 | 2 | 2 | 98 | 0.50 | 0.17 | 6 | 20 | 1.76 | 181 | 0.14 | 3.61 | 0.07 | 0.10 | 0.02 | 3 | 2 | 10 | 5.8 |
| S | 91G-197S | 3 | 93 | 28 | 203 | 0.6 | 37 | 31 | 1732 | 5.49 | 13 | ND | ND | 90 | 1 | 3 | 2 | 101 | 0.49 | 0.19 | 7 | 17 | 1.63 | 233 | 0.17 | 3.82 | 0.07 | 0.08 | 0.01 | 1 | 2 | 10 | 5.4 |
| S | 91G-198S | 2 | 93 | 18 | 184 | 0.4 | 40 | 29 | 1468 | 5.42 | 13 | ND | ND | 77 | 1 | 2 | 2 | 93 | 0.57 | 0.16 | 5 | 16 | 1.73 | 222 | 0.20 | 3.54 | 0.08 | 0.11 | 0.01 | 1 | 2 | 10 | 5.6 |
| S | 91G-199S | 4 | 96 | 17 | 204 | 0.3 | 38 | 32 | 1822 | 5.63 | 19 | ND | ND | 71 | 1 | 5 | 2 | 106 | 0.45 | 0.15 | 5 | 16 | 1.76 | 298 | 0.15 | 3.82 | 0.07 | 0.07 | 0.01 | 2 | 2 | 5 | 5.7 |
| S | 91G-200S | 3 | 79 | 17 | 183 | 0.4 | 35 | 17 | 732 | 5.06 | 15 | ND | ND | 54 | 1 | 8 | 2 | 93 | 0.43 | 0.10 | 5 | 15 | 1.48 | 204 | 0.13 | 4.01 | 0.05 | 0.04 | 0.01 | 1 | 2 | 10 | 5.5 |
| S | 91G-201S | 3 | 98 | 38 | 390 | 0.4 | 39 | 35 | 1448 | 4.93 | 22 | ND | ND | 85 | 1 | 3 | 2 | 102 | 0.53 | 0.14 | 7 | 14 | 1.61 | 156 | 0.15 | 3.40 | 0.05 | 0.07 | 0.01 | 1 | 2 | 40 | 5.6 |

**CERTIFIED BY :** J. Rossbach

# ROSSBACHER LABORATORY LTD.

*CERTIFICATE OF ANALYSIS*

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

**To :** TECK EXPLORATIONS LTD.
# 960-175 SECOND AVE.
KAMLOOPS, B.C.

**Project:** 1384
**Type of Analysis:** ICP

TRAVERSE NO 2
Sample No. 236-240

**Certificate:** 91198
**Invoice:** 20347
**Date Entered:** 91-08-09
**File Name:** TEK91198.I
**Page No.:** 6

| RE IX | SAMPLE NAME | PPM MO | PPM CU | PPM PB | PPM ZN | PPM AG | PPM NI | PPM CO | PPM MN | % FE | PPM AS | PPM AU | PPM HG | PPM SR | PPM CD | PPM SB | PPM BI | PPM V | % CA | % P | PPM LA | PPM CR | % MG | PPM BA | % TI | % AL | % NA | % K | % S1 | PPM W | PPM BE | PPB AU | PPB AA | DH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | 91B-236T | 4 | 119 | 12 | 167 | 0.2 | 37 | 42 | 2221 | 7.00 | 4 | NO | ND | 136 | 1 | 8 | 2 | 104 | 0.86 | 0.22 | 6 | 20 | 1.90 | 95 | 0.24 | 4.37 | 0.09 | 0.07 | 0.02 | 5 | 2 | 5 | 5.8 |
| S | 91B-237T | 4 | 147 | 26 | 184 | 0.2 | 56 | 34 | 1362 | 5.28 | 12 | NO | ND | 87 | 1 | 8 | 3 | 107 | 0.56 | 0.18 | 9 | 20 | 1.79 | 142 | 0.21 | 3.62 | 0.06 | 0.08 | 0.01 | 4 | 2 | 5 | 5.4 |
| S | 91B-238S | 3 | 68 | 29 | 178 | 0.3 | 38 | 22 | 2202 | 5.24 | 9 | NO | ND | 82 | 1 | 6 | 2 | 130 | 0.42 | 0.14 | 7 | 19 | 1.37 | 336 | 0.15 | 3.57 | 0.05 | 0.08 | 0.01 | 3 | 2 | 5 | 5.6 |
| S | 91B-239S | 4 | 121 | 51 | 444 | 0.7 | 70 | 41 | 1697 | 6.20 | 29 | NO | ND | 124 | 2 | 8 | 2 | 113 | 1.08 | 0.17 | 8 | 20 | 2.13 | 111 | 0.16 | 3.94 | 0.06 | 0.09 | 0.01 | 9 | 2 | 5 | 6.5 |
| S | 91B-240T | 4 | 209 | 62 | 393 | 0.5 | 69 | 52 | 1819 | 6.80 | 40 | ND | ND | 108 | 2 | 6 | 2 | 123 | 0.85 | 0.17 | 8 | 18 | 2.12 | 137 | 0.15 | 3.94 | 0.08 | 0.10 | 0.01 | 9 | 3 | 5 | 6.1 |
| S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**CERTIFIED BY :** J. Rossbach

# ROSSBACHER LABORATORY LTD.

*CERTIFICATE OF ANALYSIS*

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

**To :** TECK EXPLORATIONS LTD.
# 960-175 SECOND AVE.
KAMLOOPS, B.C.

**Project:** 1384
**Type of Analysis:** ICP

TRAVERSE NO. 3
Sample No. 190 - 215

**Certificate:** 91198
**Invoice:** 20347
**Date Entered:** 91-08-09
**File Name:** TEK91198.I
**Page No.:** 5

| PRE FIX | SAMPLE NAME | PPM MO | PPM CU | PPM PB | PPM ZN | PPM AG | PPM NI | PPM CO | PPM MN | % FE | PPM AS | PPM AU | PPM HG | PPM SR | PPM CD | PPM SB | PPM BI | PPM V | % CA | % P | PPM LA | PPM CR | % MG | PPM BA | % TI | % AL | % NA | % K | % SI | PPM W | PPM BE | PPB AU | PPB AA | DH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | 91B-190T | 7 | 184 | 42 | 217 | 1.9 | 48 | 34 | 1805 | 7.28 | 17 | ND | ND | 79 | 1 | 4 | 2 | 113 | 0.52 | 0.10 | 8 | 15 | 1.32 | 335 | 0.07 | 5.19 | 0.07 | 0.08 | 0.03 | 1 | 3 | 50 | 5.6 |
| S | 91B-191S | 9 | 90 | 12 | 165 | 0.8 | 52 | 17 | 569 | 6.10 | 13 | ND | ND | 90 | 1 | 7 | 2 | 99 | 0.59 | 0.11 | 4 | 15 | 0.99 | 208 | 0.21 | 5.46 | 0.07 | 0.07 | 0.01 | 2 | 2 | 190 | 5.3 |
| S | 91B-192T | 6 | 161 | 8 | 136 | 0.7 | 48 | 35 | 1182 | 8.25 | 4 | ND | ND | 150 | 1 | 2 | 2 | 82 | 1.59 | 0.20 | 4 | 13 | 0.85 | 173 | 0.17 | 4.96 | 0.09 | 0.11 | 0.05 | 4 | 2 | 60 | 5.6 |
| S | 91B-193T | 5 | 102 | 9 | 219 | 0.7 | 52 | 34 | 2759 | 7.16 | 5 | ND | ND | 154 | 1 | 6 | 2 | 77 | 1.52 | 0.16 | 3 | 11 | 0.89 | 199 | 0.13 | 5.34 | 0.08 | 0.10 | 0.04 | 5 | 2 | 80 | 5.4 |
| S | 91B-194T | 6 | 86 | 11 | 159 | 0.8 | 66 | 34 | 1882 | 10.74 | 11 | ND | ND | 215 | 1 | 2 | 2 | 43 | 1.16 | 0.16 | 3 | 11 | 0.49 | 281 | 0.15 | 6.43 | 0.13 | 0.08 | 0.01 | 1 | 1 | 60 | 4.8 |
| S | 91B-195T | 5 | 87 | 8 | 171 | 0.5 | 38 | 22 | 1206 | 5.89 | 5 | ND | ND | 133 | 1 | 6 | 2 | 98 | 1.04 | 0.10 | 5 | 11 | 0.92 | 188 | 0.19 | 5.92 | 0.09 | 0.09 | 0.02 | 5 | 2 | 40 | 5.5 |
| S | 91B-196S | 6 | 84 | 14 | 178 | 0.6 | 26 | 31 | 2105 | 5.83 | 7 | ND | ND | 229 | 1 | 3 | 2 | 73 | 1.26 | 0.10 | 5 | 15 | 0.67 | 214 | 0.14 | 5.80 | 0.12 | 0.08 | 0.04 | 13 | 2 | 50 | 5.8 |
| S | 91B-197S | 6 | 98 | 14 | 146 | 0.8 | 32 | 15 | 711 | 5.02 | 17 | ND | ND | 75 | 1 | 2 | 2 | 84 | 0.50 | 0.10 | 7 | 16 | 1.07 | 398 | 0.14 | 4.83 | 0.06 | 0.05 | 0.02 | 7 | 2 | 10 | 5.5 |
| S | 91B-198S | 5 | 110 | 19 | 126 | 0.4 | 29 | 18 | 1153 | 5.08 | 15 | ND | ND | 85 | 1 | 2 | 2 | 107 | 0.51 | 0.10 | 5 | 16 | 1.01 | 229 | 0.17 | 3.82 | 0.06 | 0.07 | 0.02 | 3 | 2 | 10 | 5.3 |
| S | 91B-199S | 5 | 87 | 9 | 105 | 0.4 | 27 | 11 | 585 | 3.93 | 4 | ND | ND | 59 | 1 | 2 | 2 | 66 | 0.52 | 0.13 | 4 | 14 | 0.85 | 139 | 0.15 | 7.60 | 0.07 | 0.05 | 0.03 | 6 | 2 | 15 | 5.5 |
| S | 91B-200S | 8 | 75 | 16 | 112 | 1.0 | 14 | 10 | 813 | 6.56 | 5 | ND | ND | 95 | 1 | 3 | 2 | 52 | 0.36 | 0.15 | 4 | 14 | 0.53 | 200 | 0.14 | 5.85 | 0.07 | 0.06 | 0.02 | 2 | 2 | 70 | 5.4 |
| S | 91B-201S | 6 | 87 | 27 | 178 | 0.8 | 25 | 19 | 826 | 5.02 | 9 | ND | ND | 133 | 1 | 6 | 2 | 55 | 0.55 | 0.16 | 7 | 14 | 0.65 | 154 | 0.11 | 6.22 | 0.07 | 0.07 | 0.01 | 2 | 2 | 20 | 5.3 |
| S | 91B-202S | 5 | 93 | 24 | 180 | 0.6 | 27 | 13 | 588 | 4.69 | 25 | ND | ND | 66 | 1 | 2 | 2 | 88 | 0.45 | 0.12 | 6 | 15 | 0.82 | 127 | 0.14 | 5.47 | 0.08 | 0.05 | 0.02 | 2 | 2 | 180 | 5.2 |
| S | 91B-203S | 4 | 57 | 14 | 122 | 0.6 | 37 | 22 | 3165 | 5.08 | 10 | ND | ND | 81 | 1 | 2 | 2 | 85 | 0.47 | 0.13 | 6 | 15 | 0.92 | 257 | 0.11 | 3.08 | 0.05 | 0.06 | 0.01 | 1 | 2 | 20 | 5.3 |
| S | 91B-204S | 4 | 57 | 10 | 147 | 0.8 | 96 | 31 | 972 | 5.62 | 14 | ND | ND | 60 | 1 | 2 | 2 | 72 | 0.45 | 0.10 | 3 | 21 | 1.51 | 95 | 0.15 | 3.66 | 0.05 | 0.04 | 0.01 | 3 | 2 | 10 | 5.3 |
| S | 91B-205S | 5 | 67 | 1 | 108 | 0.4 | 49 | 24 | 1324 | 4.92 | 6 | ND | ND | 150 | 1 | 2 | 2 | 67 | 0.91 | 0.08 | 4 | 23 | 1.37 | 134 | 0.15 | 4.12 | 0.07 | 0.09 | 0.01 | 5 | 2 | 30 | 5.3 |
| S | 91B-206S | 4 | 52 | 10 | 105 | 0.4 | 41 | 15 | 852 | 4.60 | 5 | ND | ND | 92 | 1 | 2 | 2 | 69 | 0.61 | 0.10 | 6 | 19 | 1.08 | 163 | 0.11 | 3.85 | 0.05 | 0.06 | 0.01 | 2 | 2 | 100 | 5.3 |
| S | 91B-207S | 7 | 68 | 14 | 118 | 0.4 | 55 | 20 | 742 | 4.89 | 14 | ND | ND | 67 | 1 | 3 | 2 | 67 | 0.54 | 0.11 | 6 | 20 | 1.30 | 130 | 0.14 | 4.63 | 0.07 | 0.04 | 0.02 | 2 | 2 | 5 | 5.2 |
| S | 91B-208S | 4 | 70 | 8 | 104 | 0.3 | 43 | 18 | 606 | 4.69 | 8 | ND | ND | 75 | 1 | 2 | 2 | 71 | 0.59 | 0.10 | 6 | 17 | 1.25 | 117 | 0.16 | 4.33 | 0.07 | 0.04 | 0.02 | 4 | 2 | 10 | 5.5 |
| S | 91B-209S | 4 | 88 | 11 | 135 | 0.2 | 38 | 24 | 835 | 5.05 | 10 | ND | ND | 79 | 1 | 4 | 2 | 70 | 0.71 | 0.09 | 4 | 16 | 1.33 | 132 | 0.18 | 4.74 | 0.06 | 0.04 | 0.01 | 4 | 2 | 5 | 5.4 |
| S | 91B-210S | 3 | 79 | 14 | 136 | 0.2 | 39 | 15 | 596 | 5.50 | 13 | ND | ND | 71 | 1 | 7 | 2 | 106 | 0.47 | 0.10 | 6 | 17 | 1.37 | 169 | 0.14 | 3.58 | 0.05 | 0.05 | 0.01 | 3 | 2 | 5 | 5.2 |
| S | 91B-211S | 3 | 109 | 10 | 129 | 0.2 | 43 | 19 | 628 | 5.46 | 9 | ND | ND | 86 | 1 | 2 | 2 | 98 | 0.67 | 0.08 | 5 | 16 | 1.53 | 189 | 0.23 | 3.75 | 0.06 | 0.04 | 0.01 | 4 | 2 | 30 | 5.7 |
| S | 91B-212S | 4 | 59 | 17 | 175 | 0.6 | 28 | 12 | 473 | 4.36 | 9 | ND | ND | 34 | 1 | 2 | 2 | 81 | 0.25 | 0.10 | 8 | 13 | 1.02 | 163 | 0.18 | 4.52 | 0.05 | 0.06 | 0.01 | 1 | 2 | 25 | 5.2 |
| S | 91B-213S | 4 | 58 | 14 | 115 | 0.5 | 25 | 18 | 1061 | 5.52 | 8 | ND | ND | 62 | 1 | 2 | 2 | 127 | 0.43 | 0.14 | 5 | 15 | 1.06 | 245 | 0.25 | 2.73 | 0.05 | 0.06 | 0.01 | 2 | 2 | 10 | 5.0 |
| S | 91B-214S | 3 | 41 | 14 | 121 | 0.1 | 22 | 11 | 658 | 4.75 | 11 | ND | ND | 64 | 1 | 2 | 2 | 130 | 0.44 | 0.12 | 6 | 14 | 0.88 | 147 | 0.19 | 2.33 | 0.04 | 0.05 | 0.01 | 3 | 2 | 5 | 5.1 |
| S | 91B-215S | 3 | 81 | 16 | 164 | 0.4 | 32 | 15 | 549 | 6.11 | 10 | ND | ND | 66 | 1 | 4 | 2 | 143 | 0.40 | 0.13 | 5 | 25 | 1.16 | 106 | 0.26 | 2.84 | 0.04 | 0.04 | 0.01 | 1 | 3 | 5 | 4.9 |

**CERTIFIED BY :** J. Rossbacher

# ROSSBACHER LABORATORY LTD.

*CERTIFICATE OF ANALYSIS*

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

**To :** TECK EXPLORATIONS LTD.
# 960-175 SECOND AVE.
KAMLOOPS, B.C.

**Project:** 1384
**Type of Analysis:** ICP

TRAVERSE NO. 4

Sample No. 144-171

**Certificate:** 91196 B
**Invoice:** 20339
**Date Entered:** 91-08-07
**File Name:** TEK91196.B
**Page No.:** 10

| SAMPLE NAME | PPM MO | PPM CU | PPM PB | PPM ZN | PPM AG | PPM NI | PPM CO | PPM MN | % FE | PPM AS | PPM AU | PPM HG | PPM SR | PPM CD | PPM SB | PPM BI | PPM V | % CA | % P | PPM LA | PPM CR | % MG | PPM BA | % TI | % AL | % NA | % K | % S | PPM W | PPM BE | PPB AU | AA | DH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91G-144S | 7 | 138 | 24 | 207 | 0.4 | 88 | 46 | 1033 | 6.30 | 2 | ND | ND | 167 | 2 | 7 | 2 | 109 | 3.15 | 0.15 | 7 | 19 | 2.39 | 99 | 0.20 | 3.38 | 0.10 | 0.16 | 0.04 | 24 | 2 | 5 | 8.4 | |
| 91G-145S | 5 | 135 | 17 | 196 | 0.2 | 124 | 54 | 1409 | 6.30 | 16 | ND | ND | 186 | 2 | 11 | 2 | 117 | 1.79 | 0.15 | 5 | 23 | 2.84 | 96 | 0.20 | 4.52 | 0.10 | 0.15 | 0.04 | 24 | 2 | 10 | 7.8 | |
| 91G-146S | 6 | 159 | 80 | 279 | 0.3 | 58 | 55 | 1309 | 6.61 | 22 | ND | ND | 174 | 2 | 7 | 2 | 116 | 1.82 | 0.15 | 6 | 16 | 2.38 | 79 | 0.23 | 4.50 | 0.09 | 0.14 | 0.03 | 22 | 2 | 5 | 7.8 | |
| 91G-147S | 4 | 137 | 87 | 781 | 0.3 | 42 | 57 | 1570 | 6.10 | 54 | ND | ND | 228 | 4 | 6 | 2 | 106 | 1.65 | 0.15 | 5 | 15 | 2.15 | 84 | 0.20 | 4.16 | 0.10 | 0.17 | 0.02 | 18 | 2 | 5 | 7.7 | |
| 91G-148S | 5 | 164 | 79 | 934 | 0.3 | 45 | 60 | 1683 | 6.82 | 79 | ND | ND | 239 | 5 | 11 | 2 | 127 | 1.62 | 0.14 | 5 | 15 | 2.34 | 88 | 0.22 | 4.39 | 0.12 | 0.17 | 0.02 | 21 | 2 | 10 | 7.8 | |
| 91G-149S | 6 | 460 | 128 | 3567 | 1.7 | 177 | 119 | 3693 | 9.16 | 220 | ND | ND | 111 | 12 | 20 | 2 | 179 | 0.79 | 0.16 | 12 | 26 | 3.76 | 253 | 0.06 | 4.88 | 0.08 | 0.10 | 0.04 | 38 | 3 | 20 | 7.8 | |
| 91G-150S | 11 | 343 | 72 | 775 | 3.3 | 112 | 72 | 2152 | 10.23 | 208 | ND | ND | 336 | 6 | 11 | 2 | 71 | 2.63 | 0.17 | 14 | 14 | 1.87 | 221 | 0.11 | 3.33 | 0.06 | 0.14 | 0.08 | 26 | 2 | 50 | 7.7 | |
| 91G-151S | 5 | 204 | 25 | 323 | 0.5 | 63 | 65 | 1598 | 7.30 | 36 | ND | ND | 223 | 3 | 6 | 2 | 155 | 1.79 | 0.13 | 5 | 16 | 2.47 | 194 | 0.31 | 4.42 | 0.08 | 0.22 | 0.04 | 19 | 3 | 5 | 8.3 | |
| 91G-152S | 6 | 174 | 34 | 343 | 0.6 | 55 | 59 | 1347 | 6.26 | 40 | ND | ND | 205 | 2 | 10 | 2 | 113 | 2.45 | 0.14 | 6 | 18 | 2.24 | 175 | 0.16 | 4.08 | 0.07 | 0.14 | 0.06 | 26 | 2 | 5 | 8.1 | |
| 91G-153S | 4 | 113 | 11 | 174 | 0.4 | 33 | 41 | 1034 | 5.03 | 23 | ND | ND | 203 | 1 | 4 | 2 | 88 | 3.59 | 0.15 | 6 | 16 | 1.67 | 126 | 0.10 | 4.31 | 0.09 | 0.15 | 0.02 | 19 | 2 | 5 | 8.4 | |
| 91G-154S | 5 | 166 | 29 | 409 | 0.2 | 75 | 64 | 1277 | 6.30 | 22 | ND | ND | 261 | 3 | 2 | 2 | 122 | 2.68 | 0.15 | 5 | 19 | 2.56 | 218 | 0.26 | 4.87 | 0.09 | 0.31 | 0.06 | 21 | 2 | 10 | 8.5 | |
| 91G-155S | 4 | 165 | 30 | 258 | 0.2 | 58 | 52 | 1466 | 6.90 | 19 | ND | ND | 191 | 2 | 11 | 2 | 141 | 1.54 | 0.14 | 5 | 18 | 2.57 | 327 | 0.24 | 4.47 | 0.12 | 0.25 | 0.02 | 24 | 3 | 5 | 8.2 | |
| 91G-156S | 6 | 229 | 28 | 291 | 0.6 | 65 | 55 | 1544 | 8.04 | 16 | ND | ND | 241 | 3 | 14 | 2 | 209 | 2.69 | 0.15 | 5 | 20 | 2.93 | 464 | 0.30 | 5.22 | 0.17 | 0.45 | 0.03 | 26 | 4 | 10 | 7.8 | |
| 91G-157S | 5 | 171 | 23 | 265 | 0.6 | 52 | 47 | 1687 | 6.86 | 19 | ND | ND | 319 | 3 | 10 | 2 | 152 | 2.77 | 0.17 | 8 | 16 | 2.16 | 395 | 0.20 | 5.68 | 0.30 | 0.50 | 0.05 | 22 | 3 | 40 | 8.3 | |
| 91G-158S | 6 | 203 | 20 | 340 | 1.0 | 65 | 50 | 1464 | 7.11 | 44 | ND | ND | 327 | 3 | 8 | 2 | 166 | 2.96 | 0.18 | 9 | 17 | 2.29 | 393 | 0.20 | 5.17 | 0.22 | 0.35 | 0.05 | 24 | 3 | 390 | 8.2 | |
| 91G-159S | 6 | 188 | 25 | 330 | 0.6 | 63 | 51 | 1481 | 7.13 | 40 | ND | ND | 293 | 3 | 6 | 2 | 133 | 2.53 | 0.17 | 8 | 15 | 2.24 | 324 | 0.21 | 4.75 | 0.18 | 0.31 | 0.05 | 25 | 3 | 20 | 8.2 | |
| 91G-160S | 4 | 183 | 20 | 291 | 0.8 | 40 | 36 | 1513 | 6.32 | 28 | ND | ND | 205 | 3 | 2 | 2 | 150 | 3.58 | 0.13 | 11 | 13 | 1.70 | 344 | 0.16 | 5.86 | 0.25 | 0.36 | 0.02 | 9 | 3 | 20 | 7.2 | |
| 91G-161S | 6 | 167 | 49 | 576 | 1.8 | 79 | 40 | 1399 | 6.13 | 52 | ND | ND | 245 | 5 | 2 | 2 | 130 | 4.65 | 0.14 | 8 | 18 | 2.09 | 357 | 0.21 | 4.44 | 0.15 | 0.28 | 0.02 | 12 | 3 | 70 | 8.0 | |
| 91G-162S | 8 | 312 | 41 | 939 | 1.2 | 47 | 43 | 1870 | 7.04 | 35 | ND | ND | 181 | 6 | 7 | 2 | 131 | 2.58 | 0.11 | 6 | 13 | 1.66 | 217 | 0.14 | 4.79 | 0.14 | 0.24 | 0.04 | 15 | 3 | 130 | 7.5 | |
| 91G-163S | 7 | 250 | 160 | 1111 | 1.6 | 43 | 39 | 1468 | 5.92 | 142 | ND | ND | 129 | 6 | 4 | 2 | 68 | 2.02 | 0.12 | 6 | 31 | 0.98 | 103 | 0.09 | 3.21 | 0.11 | 0.12 | 0.03 | 6 | 2 | 70 | 7.4 | |
| 91G-164S | 32 | 203 | 10 | 97 | 1.1 | 24 | 55 | 1314 | 5.92 | 25 | ND | ND | 57 | 1 | 2 | 2 | 58 | 2.20 | 0.14 | 4 | 24 | 0.28 | 57 | 0.14 | 3.95 | 0.05 | 0.05 | 0.05 | 3 | 1 | 5 | 4.5 | |
| 91G-165S | 21 | 240 | 56 | 498 | 2.0 | 45 | 42 | 1655 | 6.62 | 29 | ND | ND | 127 | 2 | 4 | 2 | 74 | 2.33 | 0.12 | 4 | 26 | 1.11 | 138 | 0.12 | 3.71 | 0.08 | 0.15 | 0.03 | 4 | 2 | 70 | 7.1 | |
| 91G-166S | 11 | 354 | 22 | 184 | 2.8 | 55 | 42 | 1461 | 6.27 | 33 | ND | ND | 137 | 1 | 3 | 2 | 75 | 1.61 | 0.15 | 6 | 25 | 1.21 | 137 | 0.12 | 2.93 | 0.07 | 0.14 | 0.05 | 2 | 2 | 260 | 6.9 | |
| 91G-167S | 10 | 140 | 6 | 189 | 0.8 | 94 | 40 | 1572 | 5.61 | 9 | ND | ND | 144 | 1 | 5 | 2 | 74 | 2.01 | 0.14 | 4 | 25 | 1.49 | 153 | 0.12 | 3.75 | 0.09 | 0.20 | 0.03 | 3 | 2 | 50 | 6.9 | |
| 91G-168S | 10 | 102 | 9 | 155 | 0.8 | 74 | 46 | 1669 | 7.12 | 11 | ND | ND | 186 | 1 | 3 | 2 | 92 | 1.70 | 0.14 | 4 | 22 | 1.43 | 205 | 0.18 | 3.95 | 0.16 | 0.24 | 0.05 | 3 | 2 | 50 | 6.7 | |
| 91G-169S | 8 | 97 | 9 | 129 | 0.6 | 35 | 36 | 1355 | 5.54 | 11 | ND | ND | 217 | 1 | 4 | 2 | 87 | 1.76 | 0.14 | 3 | 15 | 1.24 | 234 | 0.13 | 4.09 | 0.20 | 0.30 | 0.01 | 1 | 2 | 55 | 6.3 | |
| 91G-170S | 13 | 95 | 12 | 197 | 0.7 | 82 | 39 | 1834 | 5.22 | 3 | ND | ND | 259 | 1 | 8 | 2 | 72 | 2.31 | 0.13 | 5 | 15 | 1.23 | 179 | 0.10 | 4.03 | 0.15 | 0.20 | 0.05 | 4 | 2 | 60 | 6.6 | |
| 91G-171S | 11 | 99 | 24 | 138 | 1.2 | 63 | 40 | 1358 | 5.76 | 16 | ND | ND | 264 | 1 | 9 | 2 | 63 | 1.51 | 0.15 | 4 | 14 | 0.92 | 179 | 0.11 | 3.74 | 0.11 | 0.21 | 0.05 | 5 | 2 | 150 | 4.9 | |

**CERTIFIED BY :**

# ROSSBAC ER LABORATORY LTD.

*CERTIFICATE OF ANALYSIS*

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

**To :** TECK EXPLORATIONS LTD.
# 960-175 SECOND AVE.
KAMLOOPS, B.C.

**Project:** 1384
**Type of Analysis:** ICP

TRAVERSE NO. 5
Sample No. 165 - 189

**Certificate:** 91196 B
**Invoice:** 20339
**Date Entered:** 91-08-07
**File Name:** TEK91196.B
**Page No.:** 6

| RE IN | SAMPLE NAME | PPM MO | PPM CU | PPM PB | PPM ZN | PPM AG | PPM NI | PPM CO | PPM MN | % FE | PPM AS | PPM AU | PPM HG | PPM SR | PPM CD | PPM SB | PPM BI | PPM V | % CA | % P | PPM LA | PPM CR | % MG | PPM BA | % TI | % AL | % NA | % K | % SI | PPM W | PPM BE | PPB AU AA | DH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 91B-165T | 4 | 149 | 19 | 196 | 0.1 | 31 | 37 | 1137 | 5.10 | 16 | ND | ND | 228 | 2 | 3 | 2 | 96 | 2.19 | 0.11 | 5 | 16 | 1.75 | 164 | 0.14 | 4.57 | 0.08 | 0.20 | 0.02 | 12 | 2 | 5 | 6 8 |
| | 91B-166T | 3 | 141 | 26 | 220 | 0.1 | 50 | 41 | 1251 | 6.09 | 15 | ND | ND | 188 | 2 | 8 | 3 | 126 | 1 79 | 0.12 | 5 | 18 | 2.32 | 283 | 0.22 | 4.19 | 0.10 | 0.25 | 0.03 | 14 | 2 | 10 | 7 1 |
| | 91B-167T | 5 | 140 | 15 | 212 | 0.1 | 49 | 41 | 1303 | 6.14 | 20 | ND | ND | 216 | 2 | 5 | 2 | 130 | 1.60 | 0 13 | 4 | 18 | 2.30 | 288 | 0.23 | 4.16 | 0.12 | 0.25 | 0.02 | 11 | 2 | 5 | 7.4 |
| | 91B-168S | 4 | 125 | 16 | 202 | 0.1 | 46 | 38 | 1276 | 6.19 | 14 | ND | ND | 165 | 2 | 10 | 2 | 148 | 1.38 | 0.13 | 4 | 17 | 2.42 | 316 | 0.25 | 4.16 | 0.13 | 0.27 | 0.03 | 8 | 3 | 10 | 7.6 |
| | 91B-169T | 4 | 139 | 15 | 189 | 0.1 | 48 | 40 | 1247 | 6.14 | 14 | ND | ND | 201 | 3 | 4 | 2 | 141 | 2.21 | 0.14 | 5 | 17 | 2.29 | 297 | 0.25 | 4.34 | 0.11 | 0.25 | 0.04 | 15 | 3 | 10 | 8 2 |
| | 91B-170T | 5 | 154 | 18 | 225 | 0 2 | 46 | 39 | 1452 | 6.57 | 27 | ND | ND | 258 | 3 | 7 | 2 | 144 | 2.17 | 0 15 | 6 | 21 | 2.11 | 318 | 0.23 | 4 54 | 0 15 | 0.33 | 0 04 | 21 | 3 | 20 | 7 6 |
| | 91B-171S | 4 | 166 | 17 | 384 | 0.3 | 57 | 37 | 1765 | 6.08 | 20 | ND | ND | 279 | 4 | 4 | 2 | 110 | 2 74 | 0 17 | 8 | 19 | 1 76 | 302 | 0 15 | 4.21 | 0.21 | 0.34 | 0.03 | 19 | 2 | 60 | 7 5 |
| | 91B-172S | 5 | 161 | 13 | 279 | 0 2 | 46 | 33 | 1349 | 4 93 | 31 | ND | ND | 230 | 3 | 2 | 2 | 90 | 2 82 | 0 15 | 7 | 17 | 1 54 | 245 | 0 12 | 3 40 | 0 12 | 0 30 | 0 04 | 17 | 2 | 30 | 7 8 |
| | 91B-173S | 4 | 143 | 18 | 193 | 0 1 | 45 | 31 | 1343 | 5 80 | 29 | ND | ND | 239 | 2 | 5 | 2 | 121 | 1 82 | 0 14 | 7 | 18 | 2 04 | 370 | 0 22 | 4 34 | 0 21 | 0 29 | 0 03 | 20 | 2 | 20 | 7 2 |
| | 91B-174S | 5 | 163 | 24 | 474 | 0 4 | 71 | 41 | 1358 | 6 11 | 60 | ND | ND | 230 | 5 | 5 | 2 | 132 | 3 52 | 0 15 | 7 | 21 | 2 22 | 348 | 0 21 | 4 73 | 0 22 | 0 33 | 0 03 | 22 | 3 | 110 | 8 3 |
| | 91B-175S | 5 | 156 | 36 | 553 | 0 3 | 48 | 31 | 1478 | 4.66 | 44 | ND | ND | 189 | 6 | 3 | 2 | 90 | 3 47 | 0 15 | 6 | 16 | 1.43 | 309 | 0.11 | 3.34 | 0 22 | 0 22 | 0 02 | 23 | 2 | 70 | 7 5 |
| | 91B 176T | 7 | 180 | 31 | 411 | 0 8 | 71 | 40 | 1393 | 6.43 | 73 | ND | ND | 195 | 4 | 6 | 3 | 121 | 3 19 | 0 13 | 8 | 19 | 2.10 | 282 | 0.21 | 4.44 | 0.13 | 0.25 | 0 02 | 23 | 2 | 60 | 8.3 |
| | 91B-177S | 6 | 194 | 40 | 453 | 0 8 | 49 | 33 | 1225 | 6.03 | 133 | ND | ND | 182 | 4 | 3 | 2 | 95 | 3 10 | 0 15 | 7 | 16 | 1.56 | 297 | 0 15 | 3.66 | 0 23 | 0.19 | 0 03 | 24 | 2 | 60 | 7 9 |
| | 91B 178S | 9 | 323 | 18 | 169 | 2 4 | 53 | 36 | 1299 | 6.31 | 28 | ND | ND | 170 | 1 | 8 | 2 | 87 | 1 68 | 0.15 | 7 | 17 | 1.53 | 173 | 0.18 | 3.47 | 0 08 | 0.15 | 0 04 | 20 | 2 | 250 | 6 9 |
| | 91B-179S | 8 | 305 | 36 | 307 | 0 8 | 74 | 37 | 1491 | 6.18 | 40 | ND | ND | 192 | 3 | 6 | 2 | 107 | 1 86 | 0 14 | 8 | 18 | 1 88 | 299 | 0 18 | 4 08 | 0.17 | 0 20 | 0 01 | 17 | 2 | 90 | 7 0 |
| | 91B-180S | 11 | 234 | 23 | 214 | 0 4 | 64 | 39 | 1450 | 6 37 | 30 | ND | ND | 151 | 2 | 4 | 2 | 81 | 1 90 | 0 15 | 5 | 23 | 1 48 | 166 | 0 16 | 3 75 | 0 13 | 0 13 | 0 05 | 19 | 2 | 90 | 6 9 |
| | 91B-181S | 12 | 103 | 13 | 199 | 0 2 | 68 | 40 | 1659 | 6 14 | 21 | ND | ND | 225 | 2 | 3 | 2 | 85 | 2 31 | 0.13 | 5 | 21 | 1 49 | 165 | 0 12 | 4 52 | 0 17 | 0 17 | 0 03 | 21 | 2 | 40 | 7 4 |
| | 91B-182S | 13 | 99 | 12 | 187 | 0 2 | 59 | 37 | 1601 | 6.33 | 17 | ND | ND | 237 | 2 | 3 | 2 | 87 | 2 43 | 0 13 | 5 | 19 | 1.40 | 177 | 0.17 | 4 69 | 0 22 | 0 15 | 0 06 | 18 | 2 | 40 | 7 4 |
| | 91B-183T | 16 | 132 | 23 | 168 | 0.9 | 134 | 48 | 1752 | 6 70 | 27 | ND | ND | 237 | 2 | 2 | 2 | 84 | 1 56 | 0 16 | 6 | 23 | 1 74 | 168 | 0 16 | 4 56 | 0 18 | 0 20 | 0.06 | 15 | 2 | 150 | 6 1 |
| | 91B-184R | 6 | 32 | 30 | 51 | 3 0 | 13 | 6 | 375 | 4 95 | 98 | ND | ND | 197 | 1 | 4 | 2 | 17 | 0 42 | 0 08 | 3 | 14 | 0 73 | 91 | 0 20 | 1 74 | 0.15 | 0 20 | 0 01 | 2 | 1 | 240 | ___ |
| | 91B-185R | 10 | 24 | 16 | 97 | 0 4 | 57 | 14 | 592 | 4.50 | 42 | ND | ND | 132 | 1 | 6 | 2 | 77 | 0 51 | 0 08 | 3 | 19 | 1.13 | 92 | 0 24 | 1.92 | 0.11 | 0.09 | 0 04 | 3 | 1 | 60 | ___ |
| | 91B-186T | 15 | 95 | 56 | 226 | 1 2 | 33 | 23 | 1617 | 6 55 | 26 | ND | ND | 182 | 1 | 5 | 2 | 117 | 0 72 | 0.11 | 4 | 13 | 0.76 | 354 | 0.11 | 5 03 | 0 07 | 0.09 | 0.02 | 6 | 2 | 160 | 5.4 |
| | 91B-187S | 9 | 84 | 35 | 197 | 0.7 | 29 | 20 | 1064 | 6 60 | 20 | ND | ND | 100 | 1 | 10 | 2 | 109 | 0.41 | 0.11 | 3 | 14 | 0.75 | 270 | 0.12 | 4.76 | 0.06 | 0 05 | 0.02 | 1 | 2 | 80 | 4.9 |
| | 91B-188T | 5 | 79 | 11 | 122 | 0 5 | 34 | 30 | 1008 | 4 94 | 7 | ND | ND | 229 | 1 | 3 | 2 | 106 | 0 79 | 0.10 | 2 | 13 | 1 01 | 284 | 0.13 | 5.87 | 0 07 | 0 07 | 0.01 | 1 | 2 | 40 | 5 5 |
| | 91B-189S | 7 | 74 | 16 | 141 | 0 4 | 33 | 19 | 769 | 4.65 | 16 | ND | ND | 255 | 1 | 2 | 2 | 73 | 0.57 | 0.09 | 6 | 12 | 0.61 | 349 | 0.15 | 5.64 | 0.06 | 0.08 | 0.01 | 3 | 2 | 80 | 5.3 |

**CERTIFIED BY :**

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Weishaupt Expl. Services PROJECT GB File # 91-4958**

1695 Marine Dr., North Vancouver BC V7P 1V1 Submitted by: P.J. WEISHAUPT

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D 107201 | 10 | 228 | 859 | 4548 | 49.6 | 26 | 15 | 1246 | 5.05 | 156 | 5 | 7 | 1 | 70 | 12.1 | 26 | 2 | 45 | 1.96 | .061 | 2 | 12 | .91 | 164 | .12 | 2 | 4.07 | .27 | .82 | 1 | 6390 |
| D 107202 | 3 | 87 | 186 | 563 | 29.8 | 29 | 15 | 1207 | 4.25 | 185 | 5 | 4 | 1 | 64 | 1.6 | 2 | 3 | 36 | 2.06 | .055 | 2 | 15 | .84 | 202 | .13 | 2 | 3.93 | .26 | .59 | 1 | 5980 |
| D 107203 | 8 | 151 | 554 | 1737 | 47.3 | 41 | 18 | 445 | 5.13 | 184 | 6 | 4 | 1 | 38 | 5.1 | 35 | 2 | 16 | 1.52 | .056 | 2 | 25 | .28 | 195 | .08 | 3 | 2.76 | .22 | .47 | 1 | 3680 |
| D 107204 | 2 | 83 | 148 | 316 | 53.6 | 47 | 20 | 365 | 6.65 | 125 | 5 | ND | 1 | 29 | .7 | 29 | 2 | 6 | .80 | .055 | 2 | 11 | .26 | 93 | .06 | 2 | 1.52 | .13 | .33 | 1 | 480 |
| D 107205 | 18 | 213 | 881 | 2063 | 328.5 | 43 | 18 | 1116 | 9.17 | 326 | 5 | ND | 1 | 44 | 3.6 | 87 | 2 | 26 | 2.65 | .043 | 2 | 26 | .40 | 227 | .09 | 3 | 4.52 | .49 | .49 | 1 | 2290 |
| D 107206 | 45 | 222 | 756 | 2319 | 419.5 | 45 | 17 | 1121 | 11.39 | 374 | 5 | 2 | 1 | 48 | 4.4 | 120 | 2 | 26 | 2.43 | .038 | 2 | 23 | .38 | 179 | .08 | 2 | 4.54 | .51 | .42 | 1 | 2480 |
| D 107207 | 25 | 134 | 322 | 1043 | 197.0 | 47 | 20 | 752 | 7.72 | 237 | 5 | ND | 2 | 86 | 3.7 | 55 | 4 | 33 | 2.35 | .049 | 2 | 41 | .64 | 205 | .11 | 3 | 5.34 | .60 | .39 | 1 | 1120 |
| D 107208 | 2 | 26 | 12 | 59 | .8 | 12 | 15 | 488 | 4.91 | 11 | 5 | ND | 1 | 105 | .2 | 2 | 2 | 46 | 1.05 | .038 | 2 | 11 | .55 | 61 | .12 | 2 | 2.09 | .25 | .24 | 1 | 37 |
| D 107209 | 2 | 79 | 452 | 662 | 21.7 | 23 | 13 | 486 | 4.37 | 148 | 5 | ND | 1 | 59 | 1.1 | 19 | 2 | 16 | .33 | .061 | 2 | 15 | .71 | 100 | .16 | 2 | 1.35 | .07 | .22 | 1 | 1190 |
| RE D 107206 | 44 | 205 | 685 | 2090 | 413.8 | 42 | 17 | 1059 | 10.82 | 365 | 5 | 3 | 1 | 50 | 4.2 | 112 | 2 | 24 | 2.35 | .038 | 2 | 22 | .40 | 173 | .08 | 2 | 4.21 | .47 | .39 | 1 | 2410 |
| D 107210 | 7 | 71 | 133 | 315 | 41.4 | 32 | 16 | 646 | 5.10 | 144 | 5 | 3 | 2 | 102 | 1.0 | 22 | 6 | 19 | .56 | .060 | 2 | 22 | .96 | 89 | .16 | 3 | 1.84 | .14 | .29 | 1 | 1580 |
| D 107211 | 9 | 66 | 86 | 124 | 11.8 | 29 | 14 | 526 | 4.55 | 134 | 5 | ND | 3 | 95 | .3 | 13 | 4 | 18 | .27 | .062 | 2 | 19 | .87 | 90 | .19 | 3 | 1.40 | .05 | .24 | 2 | 640 |
| STANDARD C/AU-R | 20 | 64 | 40 | 134 | 7.5 | 72 | 31 | 1046 | 3.97 | 43 | 25 | 7 | 40 | 53 | 17.2 | 15 | 20 | 59 | .48 | .090 | 41 | 57 | .88 | 178 | .09 | 34 | 1.90 | .06 | .15 | 11 | 480 |
| D 12192 | 1 | 59 | 2 | 127 | 1.0 | 25 | 21 | 1301 | 5.12 | 8 | 5 | ND | 1 | 74 | .5 | 2 | 2 | 112 | 1.26 | .113 | 3 | 10 | 2.18 | 172 | .24 | 2 | 3.75 | .04 | .07 | 1 | 74 |
| D 12193 | 1 | 48 | 2 | 97 | 1.4 | 12 | 13 | 1097 | 4.99 | 6 | 5 | ND | 1 | 107 | .5 | 2 | 2 | 95 | 1.26 | .109 | 2 | 11 | 2.26 | 376 | .23 | 2 | 3.35 | .04 | .04 | 1 | 96 |
| D 12194 | 16 | 47 | 15 | 117 | 2.8 | 32 | 15 | 1051 | 5.88 | 40 | 5 | ND | 1 | 74 | 1.0 | 2 | 2 | 72 | .93 | .079 | 2 | 25 | 1.62 | 191 | .22 | 2 | 3.02 | .05 | .09 | 1 | 280 |
| D 12195 | 6 | 67 | 8 | 155 | 2.9 | 44 | 25 | 1650 | 5.60 | 38 | 5 | ND | 1 | 75 | .7 | 2 | 2 | 100 | 2.38 | .096 | 5 | 17 | 1.98 | 60 | .19 | 2 | 3.61 | .05 | .11 | 1 | 300 |
| D 12196 | 26 | 87 | 42 | 165 | 5.7 | 45 | 17 | 721 | 7.37 | 109 | 5 | ND | 1 | 32 | .3 | 4 | 2 | 56 | .33 | .069 | 5 | 39 | .84 | 148 | .08 | 3 | 2.10 | .04 | .16 | 1 | 171 |
| RE D 12200 | 4 | 93 | 330 | 1077 | 43.6 | 48 | 19 | 607 | 5.31 | 93 | 5 | 2 | 1 | 41 | 2.9 | 22 | 2 | 14 | 2.21 | .059 | 3 | 14 | .23 | 23 | .07 | 3 | 2.82 | .25 | .25 | 1 | - |
| D 12197 | 13 | 61 | 41 | 155 | 5.8 | 42 | 17 | 632 | 5.59 | 79 | 9 | ND | 1 | 76 | .5 | 2 | 5 | 37 | .35 | .062 | 2 | 39 | .87 | 257 | .10 | 4 | 2.00 | .05 | .16 | 1 | 123 |
| D 12198 | 14 | 47 | 43 | 149 | 10.1 | 25 | 11 | 559 | 5.85 | 102 | 5 | 2 | 1 | 38 | .5 | 2 | 2 | 43 | .54 | .055 | 2 | 35 | 1.34 | 121 | .13 | 2 | 2.32 | .10 | .16 | 1 | 1250 |
| D 12199 | 28 | 69 | 34 | 176 | 6.9 | 23 | 14 | 888 | 6.54 | 123 | 5 | ND | 1 | 14 | .6 | 2 | 2 | 68 | 1.22 | .053 | 2 | 79 | 3.37 | 99 | .01 | 2 | 3.17 | .01 | .15 | 1 | 530 |
| D 12200 | 4 | 91 | 335 | 1074 | 43.2 | 48 | 18 | 613 | 5.29 | 91 | 5 | 2 | 1 | 41 | 2.9 | 20 | 2 | 14 | 2.25 | .058 | 2 | 16 | .25 | 20 | .07 | 2 | 2.86 | .25 | .24 | 1 | 2030 |
| D 12201 | 1 | 32 | 52 | 310 | 19.3 | 52 | 21 | 299 | 5.60 | 68 | 5 | ND | 1 | 55 | 1.2 | 9 | 2 | 9 | 1.29 | .063 | 2 | 9 | .23 | 18 | .09 | 2 | 2.21 | .20 | .30 | 1 | 480 |
| D 12202 | 1 | 53 | 64 | 207 | 26.8 | 51 | 21 | 344 | 6.39 | 88 | 5 | ND | 1 | 62 | .3 | 13 | 6 | 8 | .92 | .065 | 2 | 10 | .30 | 16 | .08 | 3 | 1.77 | .14 | .37 | 1 | 290 |
| D 12203 | 1 | 35 | 46 | 274 | 23.5 | 54 | 22 | 491 | 6.36 | 91 | 5 | ND | 1 | 32 | .7 | 8 | 2 | 9 | .95 | .070 | 2 | 11 | .45 | 15 | .10 | 2 | 1.91 | .15 | .44 | 1 | 370 |
| D 12204 | 7 | 50 | 182 | 453 | 69.2 | 38 | 16 | 363 | 6.34 | 239 | 5 | ND | 1 | 29 | 1.1 | 20 | 7 | 10 | .66 | .052 | 2 | 10 | .38 | 12 | .08 | 3 | 1.67 | .14 | .43 | 1 | 660 |
| D 12205 | 2 | 29 | 10 | 69 | 1.7 | 16 | 17 | 499 | 5.63 | 10 | 6 | ND | 1 | 80 | .2 | 2 | 2 | 61 | 1.17 | .043 | 2 | 16 | 1.10 | 33 | .17 | 2 | 2.10 | .19 | .21 | 1 | 50 |
| D 12206 | 191 | 1771 | 111 | 11362 | 6.1 | 6 | 7 | 465 | 6.79 | 9 | 10 | ND | 1 | 22 | 95.6 | 2 | 12 | 9 | .74 | .058 | 4 | 4 | .11 | 6 | .01 | 2 | .44 | .01 | .20 | 4 | 380 |
| D 12207 | 39 | 1324 | 1023 | 16443 | 5.5 | 4 | 8 | 969 | 5.33 | 15 | 5 | ND | 1 | 18 | 129.7 | 2 | 5 | 23 | .46 | .097 | 9 | 1 | .51 | 8 | .03 | 2 | .88 | .01 | .19 | 4 | 59 |
| STANDARD C/AU-R | 20 | 57 | 39 | 131 | 7.5 | 75 | 34 | 1031 | 3.94 | 41 | 22 | 7 | 37 | 53 | 17.3 | 16 | 21 | 57 | .51 | .088 | 41 | 57 | .93 | 174 | .08 | 34 | 1.93 | .06 | .16 | 11 | 480 |

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 14 1991 DATE REPORT MAILED: Aug 21/91. SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

# ASSAY CERTIFICATE

Weishaupt Expl. Services PROJECT GB FILE # 91-4958R

| SAMPLE# | Ag** oz/t | Au** oz/t |
|---|---|---|
| D 107201 | 1.78 | .203 |
| D 107202 | 1.05 | .205 |
| D 107203 | 1.48 | .118 |
| D 107204 | 1.86 | .017 |
| D 107205 | 11.44 | .081 |
| D 107206 | 14.15 | .085 |
| D 107207 | 6.29 | .038 |
| D 107208 | .07 | .002 |
| D 107209 | .71 | .041 |
| D 107210 | .41 | .050 |
| D 107211 | .36 | .024 |
| STANDARD AG-1/AU-1 | .98 | .097 |

AG** AND AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: OCT 16 1991 DATE REPORT MAILED: Oct 21/91.

SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

## APPENDIX 3

### PROJECT COST

| | | | | | |
|---|---|---|---|---|---|
| 1. | Wages | T. Berger | 2 days @ $160 | $320 | |
| | | L. Grexton | 2 days @ $160 | 320 | |
| | | H. Stirnimann | 6 days @ $165 | 990 | |
| | | P. Weishaupt | 6 days @ $180 | 1080 | |
| | | | | | $2,710 |
| 2. | Analysis | | | | |
| | | 123 soil samples @ $15 | | | 1,845 |
| | | 28 rock samples @ $18.50 | | | 425 |
| | | 10 rock samples - fire assay Au. Ag. @ $12 | | | 120 |
| 3. | Campcost | | | | |
| | | 12 man days @ $45 | | | 540 |
| 4. | Helicopter | | | | |
| | | Pacific Western Helicopter Ltd. | | | |
| | | Fort St.James (Bell 206) | | | |
| | | 1.1 hr. @ $651.80 per hr. | | | 717 |
| 5. | Freight | | | | 50 |
| 6. | Truck expense | | | | |
| | | 6 days @ $45 per day | | | 270 |
| | | | Total field cost of project | | $6,677 |

## APPENDIX 4

## STATEMENT OF QUALIFICATIONS

**NAME:** P.J. WEISHAUPT

**EDUCATION:** Graduated Institute of Technology Agriculture
Flawil, Switzerland.

**AFFILIATIONS:** Member Canadian Institute of Mining
The Geological Society
Member Geological Association of Canada

**EXPERIENCE:**

| | |
|---|---|
| 1960 - 1967 | Bralorne-Pioneer Mines<br>Prospector, Geologist's assistant,<br>Underground mining and surveying. |
| 1968 - 1970 | Can-Fer Mines Ltd.<br>Geologist. |
| 1970 - 1973 | Bralorne Resources Ltd.<br>Exploration Manager. |
| 1973 - 1975 | Westfour Contracting Ltd.<br>Manager, Coal Division. |
| 1975 - 1977 | Dolmage, Mason & Stewart Consulting<br>Project Manager. |
| 1978 - 1981 | McIntyre Coal Mine<br>Environmental Consultant |
| 1981 - to present | Canmine Development Company Inc. &<br>Canasil Resources Inc.<br>President. |

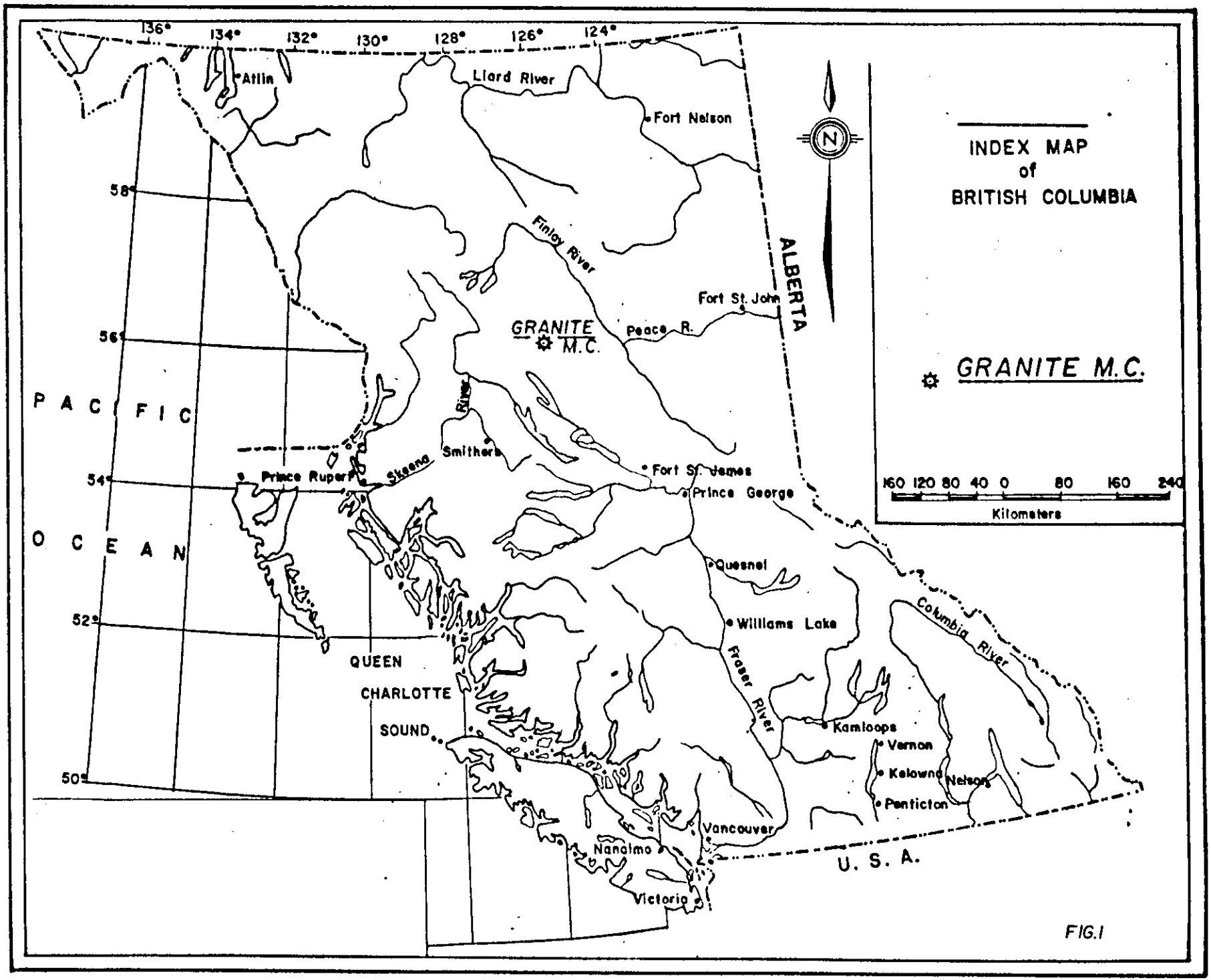

136°
134°
132°
130°
128°
126°
124°
58°
56°
54°
52°
50°
Atlin
Liard River
Fort Nelson
Finlay River
ALBERTA
Fort St. John
GRANITE M.C.
Peace R.
PACIFIC
OCEAN
Skeena River
Smithers
Prince Rupert
Fort St. James
Prince George
Quesnel
Williams Lake
Fraser River
Columbia River
QUEEN CHARLOTTE SOUND
Kamloops
Vernon
Kelowna
Nelson
Penticton
Vancouver
Nanaimo
Victoria
U. S. A.
N
INDEX MAP of BRITISH COLUMBIA
GRANITE M.C.
160 120 80 40 0 80 160 240
Kilometers

FIG.1

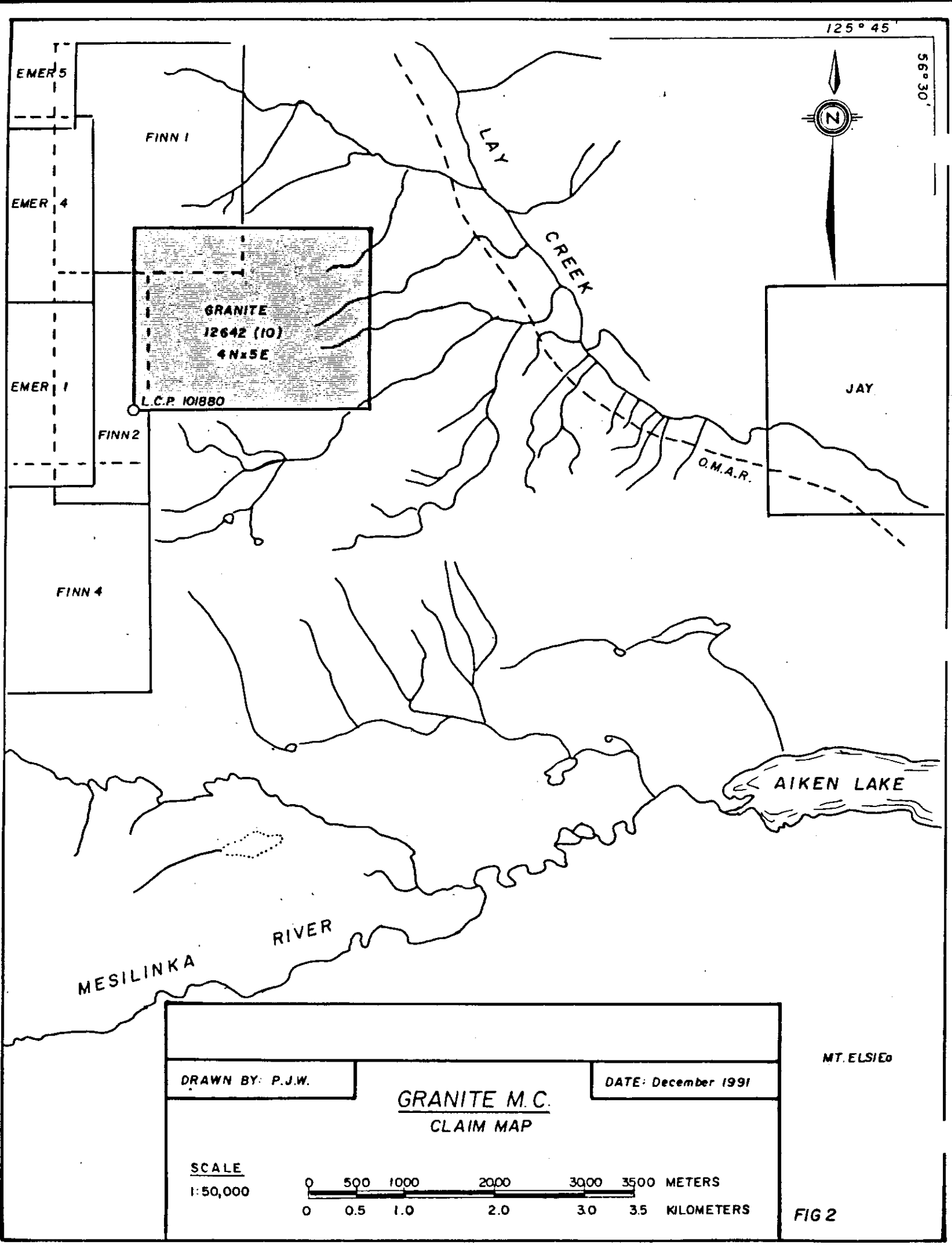

125° 45'
56° 30'
N
EMER 5
EMER 4
EMER 1
FINN 1
FINN 2
FINN 4
LAY
CREEK
GRANITE
12642 (10)
4 N x 5 E
L.C.P. 101880
JAY
O.M.A.R.
AIKEN LAKE
MESILINKA
RIVER
MT. ELSIE
DRAWN BY: P.J.W.
DATE: December 1991
GRANITE M.C.
CLAIM MAP
SCALE
1:50,000
0 500 1000 2000 3000 3500 METERS
0 0.5 1.0 2.0 3.0 3.5 KILOMETERS

FIG 2

| Sample No. | Width in meters | Au ppb | Ag ppm |
|---|---|---|---|
| 12192 | 1.0 | 74 | 1.0 |
| 12193 | 1.0 | 96 | 1.4 |
| 12194 | 1.0 | 280 | 2.8 |
| 12195 | 1.0 | 300 | 2.9 |
| 12196 | 1.0 | 171 | 5.7 |
| 12197 | 1.0 | 123 | 5.8 |
| 12198 | 1.0 | 1250 | 10.1 |
| 12199 | 1.5 | 530 | 6.9 |

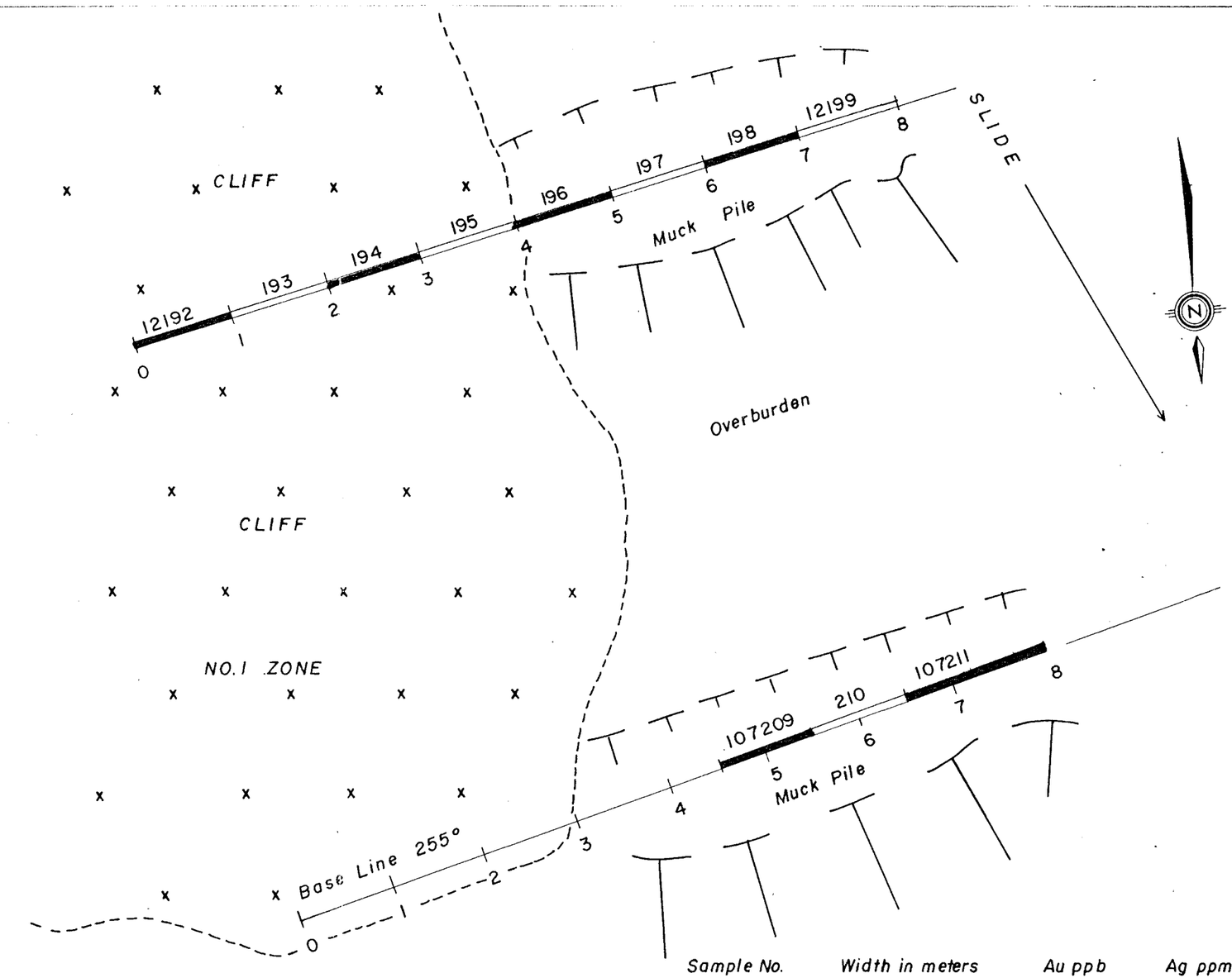
# GRANITE M.C.

## TRENCHES NO.1 ZONE

Scale 1:50

0 1.0 2.0 3.0 4.0 5.0

METERS

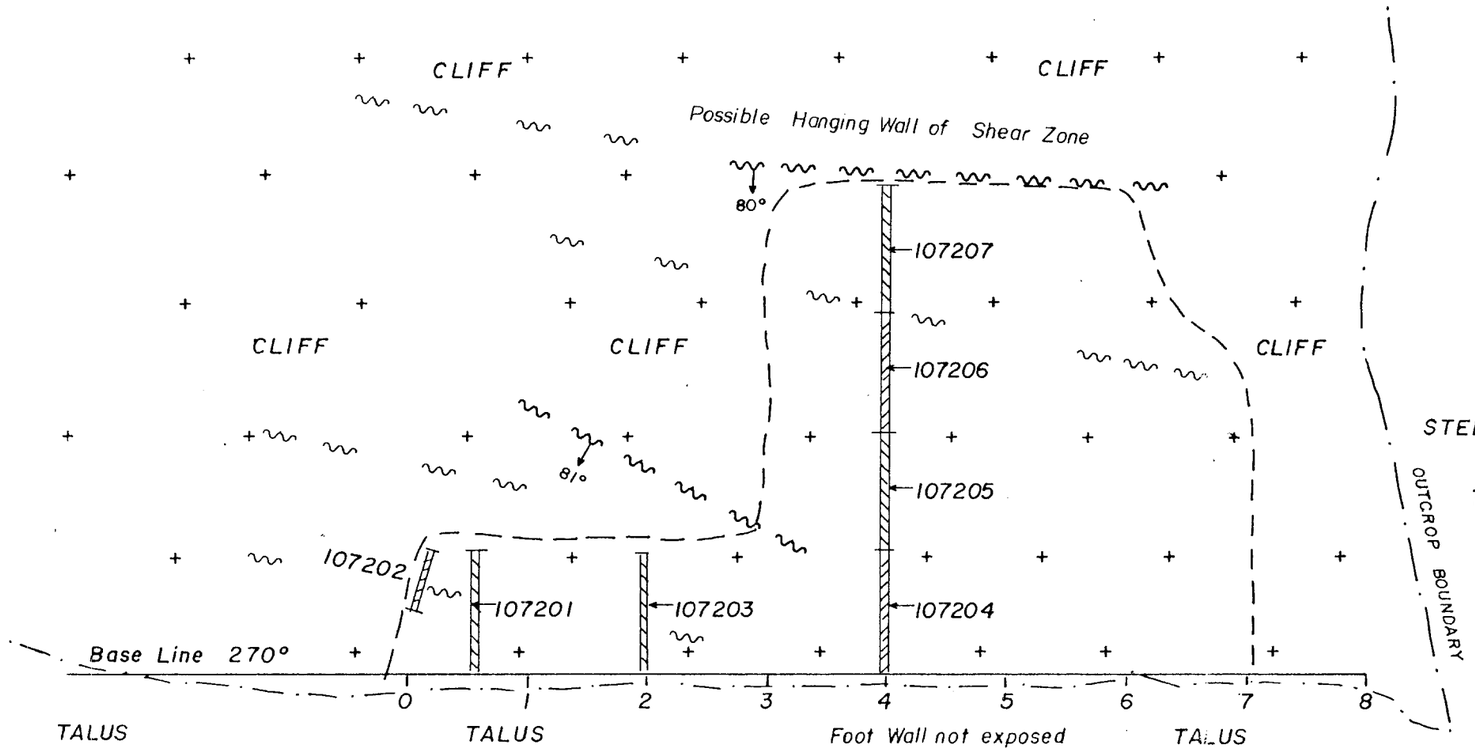



| Sample No. | Width in meters | Au ppb | Ag ppm |
|---|---|---|---|
| 107209 | 1.0 | 1190 | 21.7 |
| 107210 | 1.0 | 1580 | 41.4 |
| 107211 | 1.5 | 640 | 11.8 |

LEGEND

- Sheared, Pyritized Porphyritic Diorite
- Outcrop Boundary
- Sample Section

FIG. 91-G-2




| Sample No. | Width in meters | Au ppb | Ag ppm |
|---|---|---|---|
| 107201 | 1.0 | 6390 | 49.6 |
| 107202 | 0.5 | 5980 | 29.8 |
| 107203 | 1.0 | 3680 | 47.3 |
| 107204 | 1.0 | 480 | 53.6 |
| 107205 | 1.0 | 2290 | 328.5 |
| 107206 | 1.0 | 2480 | 419.5 |
| 107207 | 1.0 | 1120 | 197.0 |

LEGEND

- + + Highly altered, bleached " PORPHYRITIC DIORITE"
- SAMPLE SECTION
- BLASTLINE

## GRANITE M.C.

BLASTED TRENCH NO. 3 SHEAR ZONE

Scale 1: 50

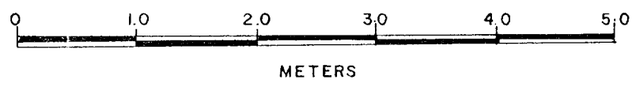
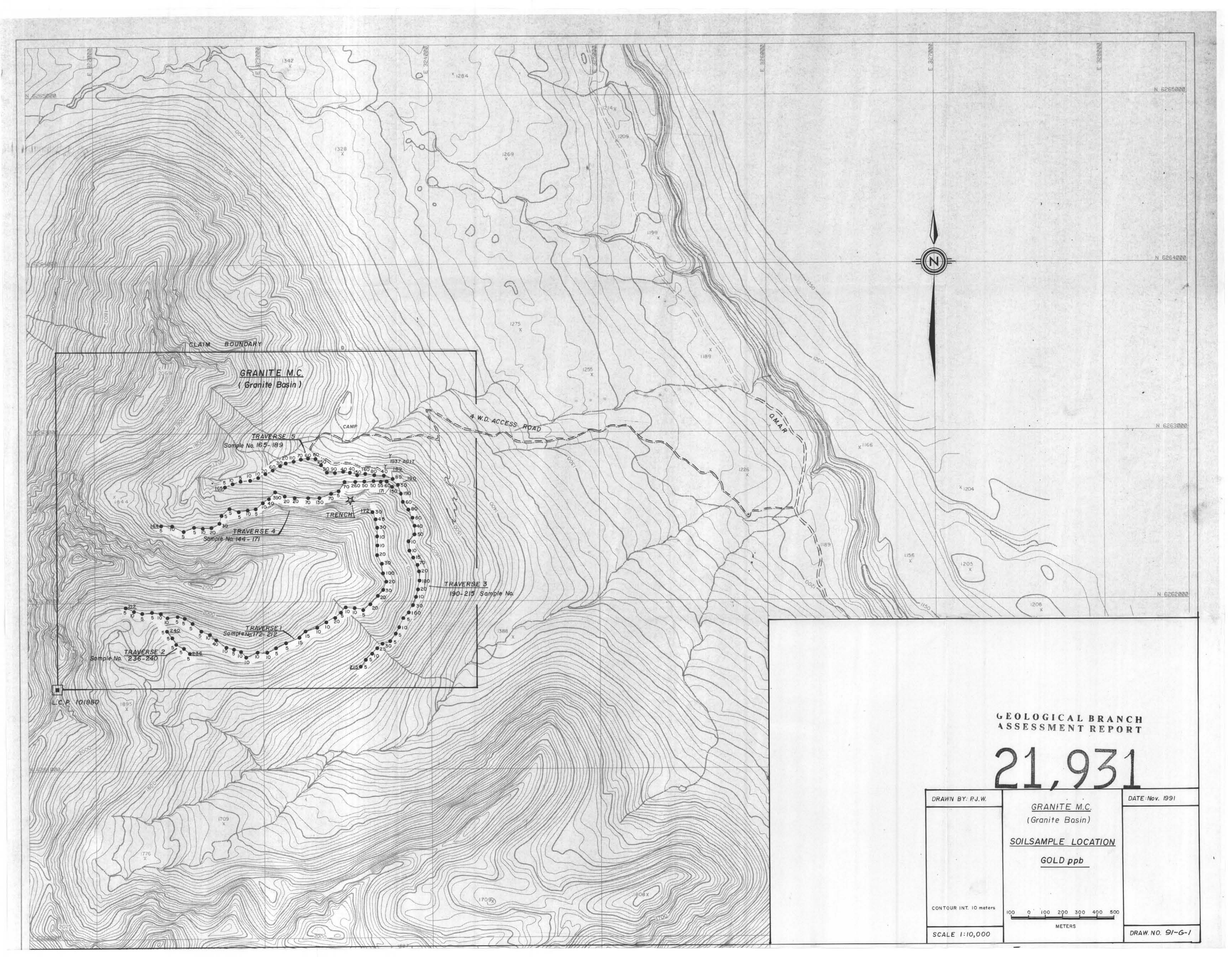



FIG. 91-G-3




GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,931

DRAWN BY: P.J.W.

DATE: Nov. 1991

GRANITE M.C.
(Granite Basin)

SOILSAMPLE LOCATION

GOLD ppb

CONTOUR INT. 10 meters

100 0 100 200 300 400 500
METERS

SCALE 1:10,000

DRAW. NO. 91-G-1