

85-898-14105

# LARAMIE MINING CORPORATION

REPORT ON  
ASSESSMENT WORK

on the  
GOLDWAY PEAK PROPERTY

OMINECA MINING DIVISION  
JOHANSON LAKE, BRITISH COLUMBIA

N. Lat. 56° 31' 00"

W. Long. 126° 00"

NTS 94D 9 E/W

by

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STRATO GEOLOGICAL ENGINEERING LTD.  
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OCTOBER 17, 1985

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

14,105



## SUMMARY

Laramie Mining Corporation's Goldway Peak property is located 210 kilometers north-northeast of Smithers, British Columbia. A road extends to Johanson Lake, seven kilometers northeast of Goldway Peak property; helicopters based at Johanson Lake provide access to the property.

Prospecting, geological mapping, trenching and rock sampling were conducted by Laramie Mining Corporation and by Strato Geological Engineering Ltd. during August, 1985. Attempted diamond drilling was prevented by an inaccessible water supply.

One large quartz vein, the F vein, and 16 smaller quartz veins were discovered during prospecting. Samples of the F vein contain up to 0.116 oz/ton gold and 0.18 oz/ton silver. Samples from the 16 smaller quartz veins contain up to 0.390 oz/ton gold and 2.08 oz/ton silver.

High gold values exist within the A vein at Goldway Peak property; this vein has been well sampled at surface.

The F vein has a strike length of 386m and contains sulphide minerals at 4 points.



The relationship between the quartz veins is unclear, but they may all belong to the same vein system at depth.

A diamond drill program, utilizing a wireline drill with a relay pumping system to provide water, is recommended to test the A vein. Trenching and sampling of the F vein where it is mineralized should be performed and several of the smaller, recently discovered veins should also be trenched and properly sampled.

Respectfully submitted,  
Strato Geological Engineering Ltd.

*David J. Pawliuk*

D. J. Pawliuk, P. Geol.

October 17, 1985



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## INTRODUCTION

Pursuant to a request by the directors of Laramie Mining Corporation, 635 - 470 Granville Street, Vancouver, B.C., a mineral exploration program was conducted at Goldway Peak property by Laramie Mining Corporation and by Strato Geological Engineering Ltd. during August, 1985.

This report presents the results of prospecting, geological mapping, trenching and rock sampling carried out over the property. An attempted Winkie diamond drilling program was prevented by an inaccessible water supply; the drill crew was employed in trenching and prospecting.

A diamond drilling program, utilizing a wireline drill with a relay pumping system to provide water, is proposed. Trenching and sampling of ceretain of the newly discovered quartz veins is recommended. Further prospecting and detail geological mapping should be continued.

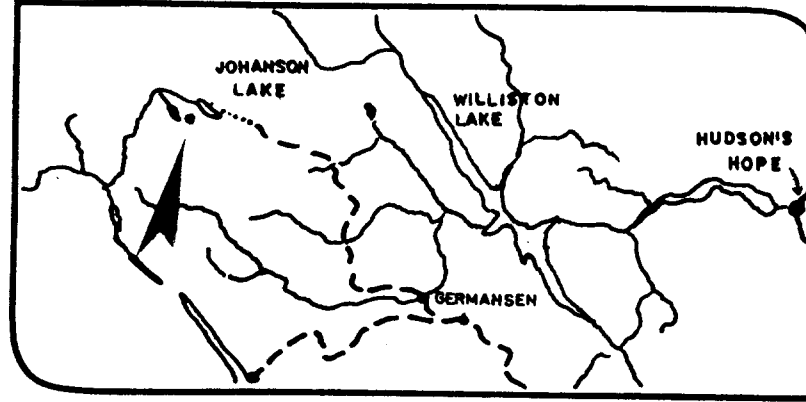
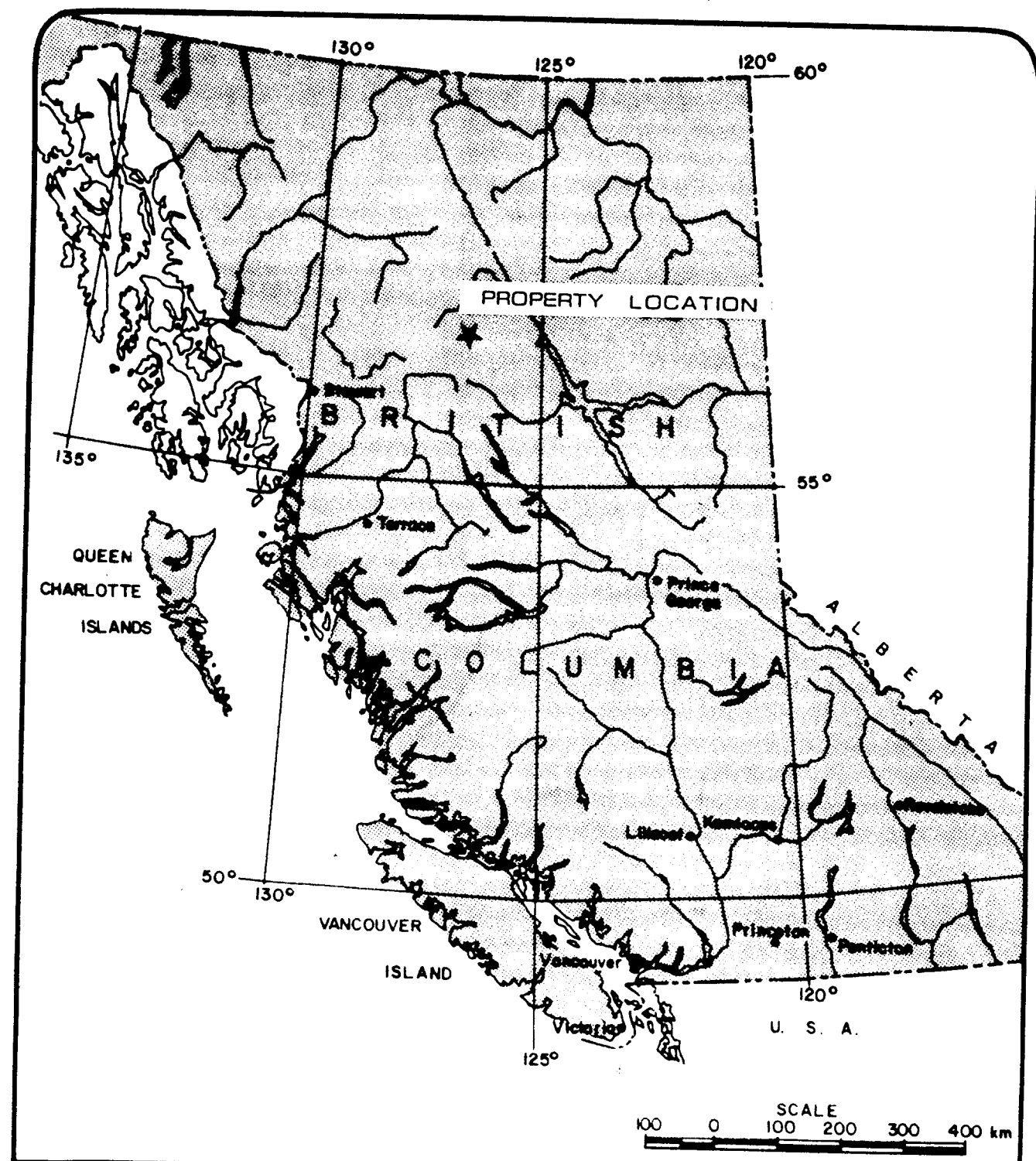


FIGURE 1  
 LARAMIE MINING CORPORATION  
 LOCATION MAP

October, 1985



## LOCATION, ACCESS AND PROPERTY

Goldway Peak property is located 210 kilometers north-northeast of Smithers, British Columbia, at approximately 56 degrees 31 minutes north latitude and 126 degrees 15 minutes west longitude (Figure 1).

A road extends to Johanson Lake, seven kilometers northeast of the Goldway Peak property; there is a gravel airstrip at Johanson Lake. Helicopters based at Johanson Lake during the summer months provide access to Goldway Peak property.

Laramie Mining Corporation's Goldway Peak property is composed of the Vi-1 (1948), Vi-2 (1949), PROSPECTS (4147), AND (4148), MUCH (4149), PRO (4150), GOOD (4155), DAR (4154), and FIT (4151) mineral claims totalling 70 mineral claim units (Figure 3). Assessment work has been filed to keep the claims in good standing until August, 1986.

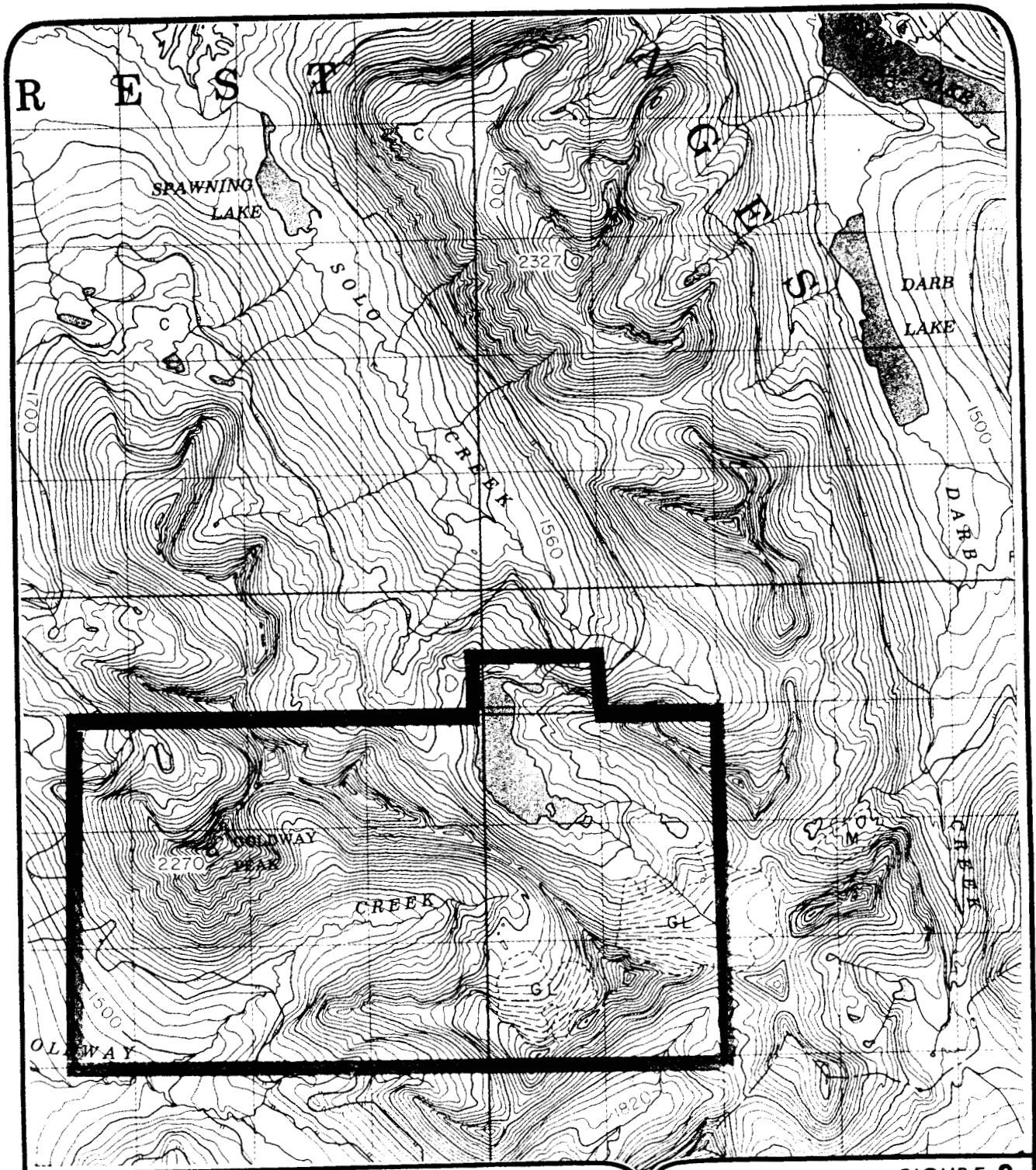


FIGURE 2

LARAMIE MINING CORPORATION

**TOPOGRAPHIC MAP**  
GOLDWAY PEAK , NTS 94D 9

Scale 1:50 000



October , 1985





## TOPOGRAPHY AND CLIMATE

Rugged topography exists within the Goldway Peak property (Figure 2); the area is above treeline at elevations of 1,680 meters to 2,130 meters (5,500 to 7,000 feet). A ridge traverses east-southeasterly through the north central property area at an elevation of over 1,980 meters (6,500 feet). Gold occurrences have been located on both the south-facing and north-facing slopes of this ridge.

The Goldway Peak area has a harsh climate; snowfall can occur on any day of the year. A glacier exists within the southeastern part of the property.

## HISTORY

Gold-bearing quartz veins were discovered in 1945 at Goldway Peak area by the Geological Survey of Canada (Lord, 1948). The Bruce mineral claims were staked in 1946 to cover these gold-bearing quartz veins; the veins were then trenched and sampled (Phendler, February 25, 1984).

The Vi-1 and Vi-2 mineral claims were staked at Goldway Peak area by C. S. Powney in 1979. These claims were optioned to Laramie Mining Corporation who later staked adjoining mineral claims (von Rosen, December 19, 1980).

Results of a geochemical soil survey over the area south of and downslope from the gold-bearing quartz veins indicate that high concentrations of gold exist within soil at Goldway Peak property (von Rosen, November 26, 1982). The source of these high gold concentrations is unknown but probably is the gold-bearing quartz veins located on either side of Goldway Creek valley.

A reconnaissance trip to investigate possible road access to Goldway Peak property, and to select veins for trenching and sampling, was undertaken in July, 1983 (Phendler, September 27, 1983a). Subsequent to this trip, A and C veins were trenched and 60 chip samples collected (Phendler, September 27, 1983b).

Results of a very low frequency electromagnetic (VLF-EM) survey show that gold-bearing quartz veins at Goldway Peak property cannot be detected by utilizing that exploration technique (Game, September 1, 1984).

Twenty rock chip samples were collected from the A vein during August, 1983; assay results confirm that high concentrations of gold exist within A vein (Phendler, November 20, 1984).

#### GEOLOGY

Goldway Peak property is within the Omineca Mountains of north-central British Columbia. Late Triassic volcanic rocks are intruded by Jurassic and/or Cretaceous Omineca Intrusions at Goldway Peak property. Quartz veins intrude all other rocks (Figure 4).

The volcanic rocks are dark green, fine to medium grained andesitic flows and tuffs. These rocks contain abundant hornblende and chlorite, and locally abundant epidote. The volcanic rocks locally contain up to one percent disseminated pyrite near quartz veins.

The volcanic rocks are irregularly intruded by dark greenish grey, medium grained quartz diorite; contacts between the two rock units are generally discrete. The quartz diorite contains abundant hornblende and plagioclase and about 20 percent quartz.

The quartz veins are composed of off-white, weakly to moderately fractured quartz. The veins locally contain wispy inclusions of wallrock. Limonitic iron oxides often coat vein fractures. Metallic minerals within the veins include locally up to five percent pyrite, galena, chalcopyrite, malachite and/or azurite. Sulphides are generally disseminated but also occur as irregular masses and wispy fracture fillings. Weathered pyrite partially fills a vug 7cm in diameter within vein F. Visible gold was reported by White (1947), Phendler (February 25, 1984) and Game (September 1, 1984) within vein A. White (1947) found gold in fractures closely associated with galena at A vein; gold is possibly also associated with chalcopyrite. Mineralizing of the veins with sulphides and with gold probably occurred as one event during and immediately after vein emplacement. Pale brown calcite was observed in a few places near vein margins. Cream coloured feldspar locally forms up to 5 percent of one small quartz vein. The quartz veins mainly strike southeasterly and dip steeply; they have strike lengths of up to 386m (average about 15 to 20m) and widths of up to 5m (average about 0.25m).

The veins appear similar to each other and were likely all emplaced at the same time. The relationship between the veins is unclear from present knowledge of the property, but the veins may all belong to the same vein system at depth.

#### ATTEMPTED DIAMOND DRILLING

An attempt was made to drill the A vein at Goldway Peak property by utilizing a Winkie (EX core) diamond drill. This attempt was prevented by an inaccessible water supply. Water for drilling must be obtained from Goldway Creek which is 914m (3,000 feet) south of, and 274m (900 feet) below, the A vein. A relay pumping system with high pressure water hose is required to lift water from Goldway Creek to the A vein.

Laramie Resources drill crew personnel, J. Gabbs and R. Landry were utilized in blasting and trenching of the "A" vein while J. Sperling, an experienced prospector, was utilized for geological work.

## PROSPECTING

1985 prospecting at Goldway Peak property resulted in the discovery of a quartz vein (F vein) with a strike length of 386m; F vein contains sulphide minerals at 4 points (Figure 5). In addition, 16 smaller quartz veins with strike lengths of up to approximately 40m were discovered within the prospected area in the central part of the property. Two of these smaller veins appear as pieces of quartz vein material within talus. Ten of the 16 smaller quartz veins contain sulphide minerals.

Vein F is 170m northeast of previously known vein A; it is almost continuously exposed for a strike length of 386m (Figure 4). Vein F is from 0.27m to 5m (average about 0.4m) in width.

## SAMPLING AND ASSAYING

Thirty-six rock chip samples were collected from quartz veins and 4 rock chip samples were collected from vein wallrock at Goldway Peak property in August, 1985. The rock samples were assayed for gold, silver, molybdenum, copper, lead, zinc, nickel,

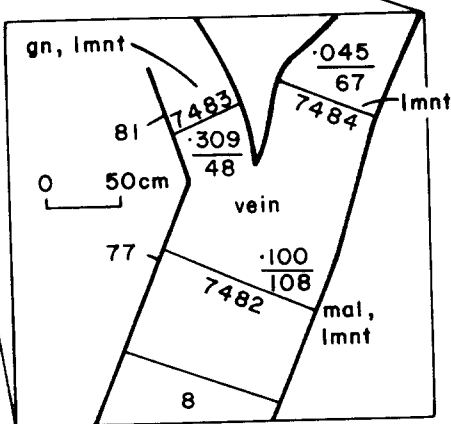
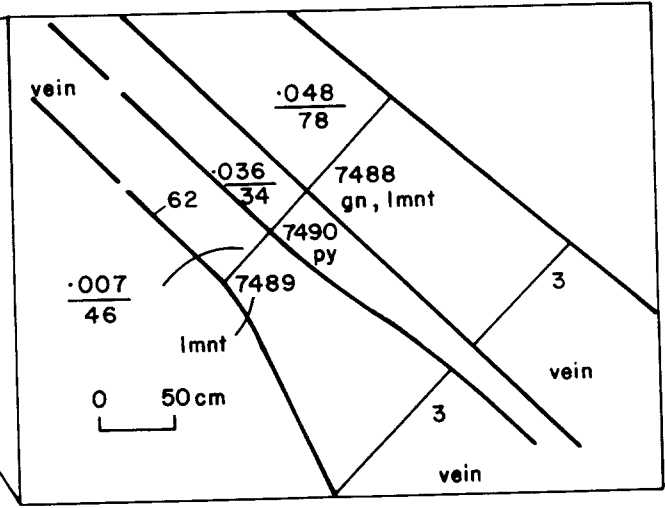
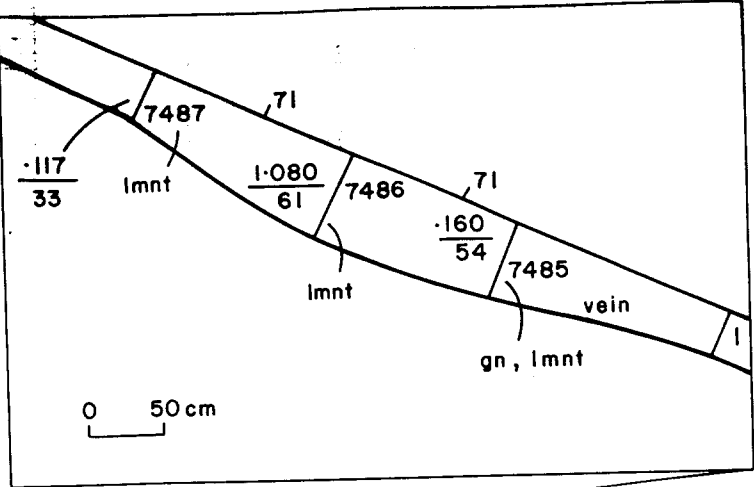
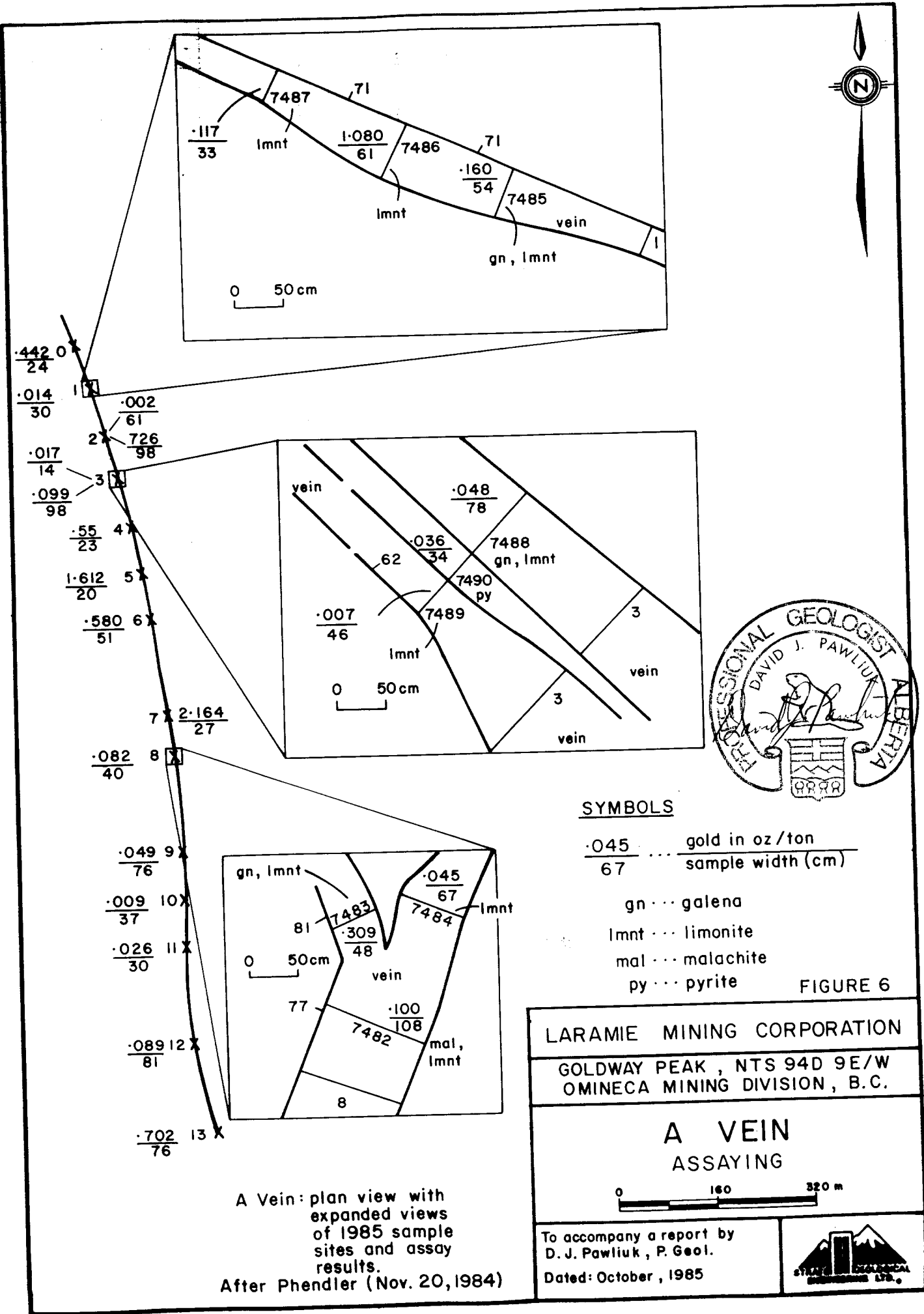
cobalt, manganese, iron, arsenic, uranium, thorium, cadmium, antimony and bismuth by Acme Analytical Laboratories Ltd., Vancouver, British Columbia. Assay results form Appendix A. A brief description of each rock chip sample forms Appendix B.

### Assay Results

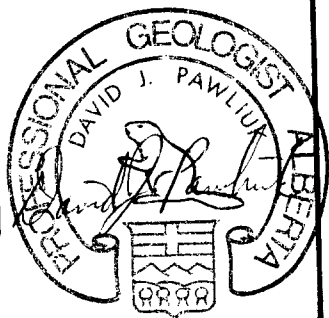
The quartz vein samples contain between .001 and 1.080 oz/ton gold and between .01 and 2.09 oz/ton silver. The wallrocks contain .001 oz/ton gold and .01 to .03 oz/ton silver. Sample locations and assay results are plotted on Figures 5, 6 and 7.

Eight samples from the newly discovered F vein contain up to 0.116 oz/ton gold and 0.18 oz/ton silver across 32cm.

Nine samples were taken from 3 trenches excavated during August, 1985 in the northern portion of A vein. These samples contain up to 1.080 oz/ton gold across 61cm (Figure 6).



- 442.0 / 24
- .014 / 30
- .017 / 14
- .099 / 98
- .55 / 23
- 1.612 / 20
- .580 / 51
- 2.164 / 27
- .082 / 40
- .049 / 76
- .009 / 37
- .026 / 30
- .089 / 81
- .702 / 76



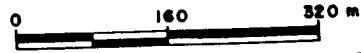
**SYMBOLS**

- $\frac{.045}{67}$  ... gold in oz/ton  
sample width (cm)
- gn ... galena
- lmnt ... limonite
- mal ... malachite
- py ... pyrite

FIGURE 6

LARAMIE MINING CORPORATION  
 GOLDWAY PEAK, NTS 94D 9E/W  
 OMINICA MINING DIVISION, B.C.

**A VEIN  
 ASSAYING**



To accompany a report by  
 D. J. Pawliuk, P. Geol.  
 Dated: October, 1985

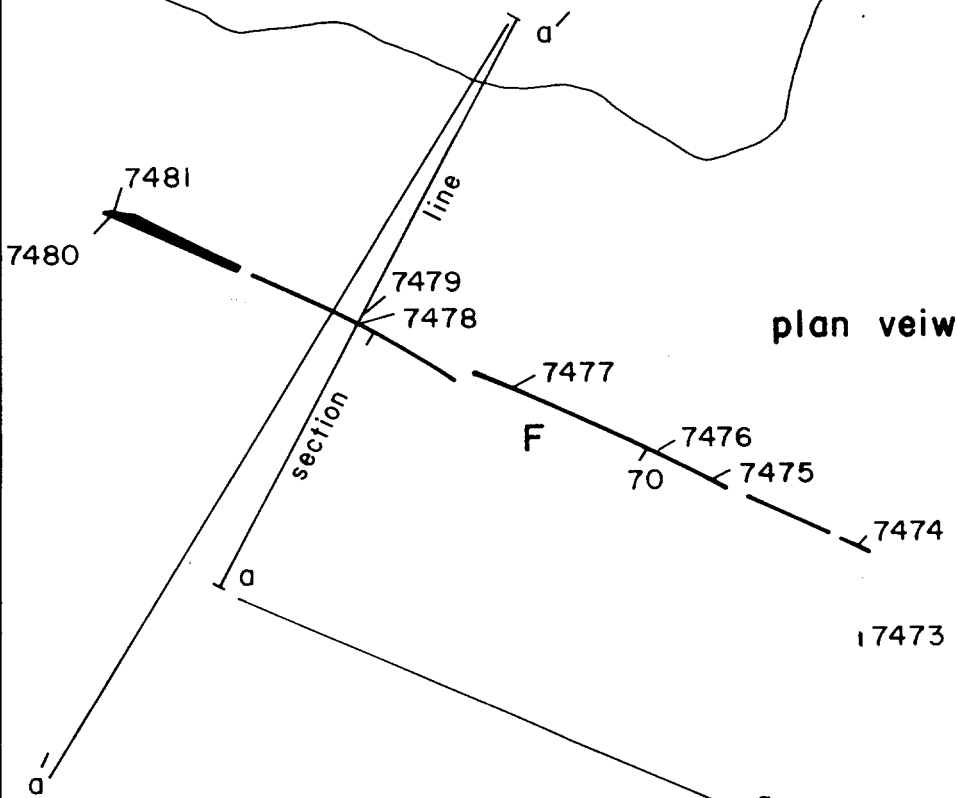


A Vein: plan view with expanded views of 1985 sample sites and assay results.  
 After Phendler (Nov. 20, 1984)

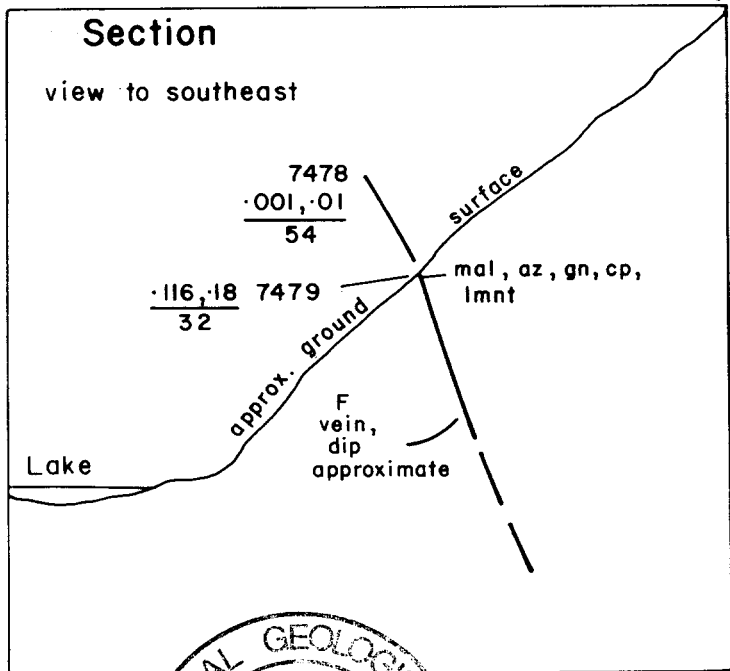




SOLO (BRUCE) LAKE



plan view



Section

view to southeast

SYMBOLS

F ... Quartz vein, identifier

7479  $\frac{.116, .18}{32}$  ... Sample number and gold in oz/ton, silver in oz/ton sample width (cm)

mal ... malachite      gn ... galena  
 lmnt ... limonite      az ... azurite  
 cp ... chalcopryite

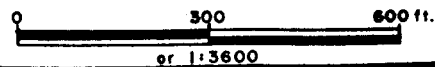
FIGURE 7

LARAMIE MINING CORPORATION

GOLDWAY PEAK, NTS 94D 9E/W  
OMINECA MINING DIVISION, B.C.

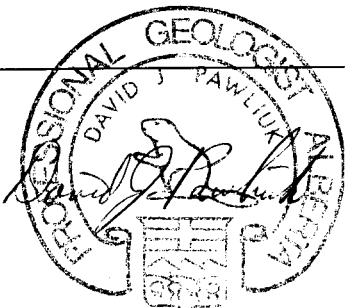
F VEIN

SAMPLING, ASSAYING, SECTION



To accompany a report by  
D. J. Pawluk, P. Geol.

Dated: October, 1985



## Geochemical Analyses

Thirteen of the assayed rock chip samples from quartz veins were also geochemically analyzed for gold, silver, copper, lead, zinc and arsenic by Acme Analytical Laboratories Ltd.; the certificate of analysis forms Appendix C.

Results of the geochemical analyses show that the samples contain up to 15,800 ppb gold and 86.3 ppm silver (Appendix C, Figure 5).

## CONCLUSIONS

High grade gold values exist within the A vein at the Goldway Peak property. This vein has been well sampled and diamond drill testing has been previously recommended.

A major new quartz vein, the F vein, was discovered on a north facing slope south of Bruce Lake at an elevation of approximately 1,830 meters (6,000 feet). The F vein has a strike length of 386 meters and contains sulphides at four points. Gold and silver values exist within the F vein. Sixteen smaller

quartz veins, ten of which carry sulphides, were also discovered in August, 1985. Assay values for samples from all of the newly discovered quartz veins range from 0.01 to 0.39 oz/ton gold.

### RECOMMENDATIONS

A two-phase program is proposed to further develop the A vein zone and to further define mineralized portions of the F vein and other newly discovered, smaller veins as follows:

#### Phase 1

- 1) A diamond drill program, utilizing a BQ wireline drill and a relay pumping system to provide water, is recommended to test and develop the A vein. The preparation of two drillsites will be required to commence the program because the ground surface slopes at 38 degrees at the A vein. The vein can be initially tested at depth from two drillsites by using a fan pattern of drill holes.

- 2) Blasting and trenching of the F vein (at sample site 7479 and other mineralized zones) and trenching of several smaller veins is required to properly expose and sample the more promising of the recently discovered quartz veins.
  
- 3) The western and northern property areas should be prospected and geologically mapped.

### Phase 2

Contingent upon a favourable engineering evaluation of the Phase 1 program it is proposed to further trench and diamond drill mineral zones deemed to be of economic interest, along with bulk sampling and metallurgical testing of the A vein system.

### Estimated Cost of Proposed Work Program

#### PHASE 1

Diamond drilling - BQ wireline, 1200 feet @ \$30/ft.	\$ 36,000
Drillsite preparation - allow	4,000
Trenching and blasting (incl. powder, etc.) - allow 2 weeks	8,200

Geologist and supervision and prospecting - allow 1 month	8,000
Assaying	3,000
Travel and accommodation (incl. vehicles)	6,000
Helicopter support (mob-demob, drill move, etc.) - allow 20 hours @ \$460/hour	9,200
Engineering and Reports - allow	<u>6,500</u>
Estimated Total Cost Phase 1	<u>\$ 80,900</u>

## PHASE 2

Contingent upon an engineering evaluation of the results of Phase 1 and a recommendation to further test the mineral zones.

Diamond drilling - estimate 2500 feet, BQ wireline, @ \$30/ft.	\$ 75,000
Trenching and bulk sampling - allow	25,000
Road construction - allow	20,000
Engineering and Geology	<u>10,000</u>
Estimated Total Cost of Phase 2	<u>\$ 130,000</u>

The proposed field work at Goldway Peak property should be performed during late June and July, when snow conditions are favourable.

Respectfully submitted,  
Strato Geological Engineering Ltd.

*David J. Pawliuk*

D. J. Pawliuk, P. Geol.

October 17, 1985



## REFERENCES

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- Lord, C. S. (1948)  
McConnell Creek map area, Cassiar District, British Columbia; Geological Survey of Canada Memoir 251.
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von Rosen, G. E. A. (December 19, 1980)

Recommendation Report on Goldway Peak Property, Vi: GOOD: PROSPECTS: AND: MUCH: PROFIT: HUR: RAY Mineral Claims, Johanson Lake, B. C., Omineca M. D.; unpublished report prepared for Laramie Mining Corporation.

von Rosen, G. E. A. (November 26, 1982)

Assessment Geochemical Report, Gold Content Survey Report on the GOOD: PROSPECTS: AND: MUCH: PRO: FIT and DAR Mineral Claims, Goldway Peak area, Omineca Mining Division; unpublished report prepared for Dermot Fahey.

White, W. H. (1947)

Report by the British Columbia Minister of Mines, 1947.



CERTIFICATE

I, DAVID J. PAWLIUK, of the City of Vancouver, British Columbia, Canada, do hereby certify the following:

1. I received the degree of Bachelor of Science with Specialization in Geology from the University of Alberta, Edmonton, Alberta, in 1975.
2. Since graduation I have practiced mineral exploration in western and northern Canada for approximately 8 years.
3. I am registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
4. I have no direct, indirect or contingent interest, nor do I expect to receive any such interest, in the securities or properties of Laramie Mining Corporation.

Dated at Surrey, Province of British Columbia, this 17th day of October, 1985.



David J. Pawliuk, P. Geol.



**APPENDIX A**

**ASSAY CERTIFICATES**

## ASSAY CERTIFICATE

1.00 GRAM SAMPLE IS DIGESTED WITH 50ML OF 3-1-2 OF HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR.  
AND IS DILUTED TO 100ML WITH WATER. DETECTION FOR BASE METAL IS .01%.

SAMPLE TYPE: ROCK CHIPS AU: 10 GRAM REGULAR ASSAY

DATE RECEIVED: SEPT 30 1985 DATE REPORT MAILED: *Oct 7/85* ASSAYER: *J. Saundry* DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

STRATO GEOLOGICAL FILE # 85-2589

PAGE 1

SAMPLE#	Mo %	Cu %	Pb %	Zn %	Ag OZ/T	Ni %	Co %	Mn %	Fe %	As %	U %	Th %	Cd %	Sb %	Bi %	Au OZ/T
7451	.001	.01	.01	.01	.01	.01	.01	.06	.34	.01	.002	.01	.010	.010	.010	.001
7452	.001	.01	.01	.01	.01	.01	.01	.06	4.64	.01	.002	.01	.010	.010	.010	.001
7453	.001	.01	.01	.01	.01	.01	.01	.04	.99	.01	.002	.01	.010	.010	.010	.001
7454	.001	.01	.01	.01	.01	.01	.01	.02	.56	.01	.002	.01	.010	.010	.010	.001
7455	.001	.01	.01	.01	.04	.01	.01	.11	6.67	.01	.002	.01	.010	.010	.010	.001
7456	.001	.01	.01	.01	.01	.01	.01	.03	1.69	.01	.002	.01	.010	.010	.010	.001
7457	.001	.01	.01	.01	.06	.01	.01	.03	1.12	.01	.002	.01	.010	.010	.010	.001
7458	.001	.01	.04	.03	.10	.01	.01	.03	1.10	.01	.002	.01	.010	.010	.010	.006
7459	.001	.01	.01	.01	.13	.01	.01	.08	4.02	.01	.002	.01	.010	.010	.010	.001
7460	.001	.01	.01	.01	.01	.01	.01	.01	.53	.01	.002	.01	.010	.010	.010	.001
7461	.001	.03	.01	.01	.17	.01	.01	.01	.58	.01	.002	.01	.010	.010	.010	.001
7462	.001	.01	.01	.01	.02	.01	.01	.02	1.05	.01	.002	.01	.010	.010	.010	.001
7463	.001	.01	.01	.01	.03	.01	.01	.11	6.98	.01	.002	.01	.010	.010	.010	.001
7464	.001	.01	.01	.01	.21	.01	.01	.02	.90	.01	.002	.01	.010	.010	.010	.244
7465	.001	.01	.01	.01	.07	.01	.01	.01	.65	.01	.002	.01	.010	.010	.010	.003
7466	.002	.01	.01	.01	.06	.01	.01	.01	1.28	.01	.002	.01	.010	.010	.010	.008
7467	.001	.01	.01	.01	.01	.01	.01	.01	.79	.01	.002	.01	.010	.010	.010	.003
7468	.001	.01	.01	.01	.18	.01	.01	.01	1.43	.01	.002	.01	.010	.010	.010	.013
7469	.001	.01	.01	.01	.01	.01	.01	.02	1.34	.01	.002	.01	.010	.010	.010	.001
7470	.001	.01	.01	.01	.13	.01	.01	.01	.45	.01	.002	.01	.010	.010	.010	.001
7471	.001	.01	.01	.01	.04	.01	.01	.01	.77	.01	.002	.01	.010	.010	.010	.001
7472	.001	.01	.01	.01	.02	.01	.01	.01	1.09	.01	.002	.01	.010	.010	.010	.073
7473	.001	.03	.61	.02	2.08	.01	.01	.01	.78	.01	.002	.01	.010	.010	.010	.390
7474	.001	.01	.01	.01	.16	.01	.01	.01	.48	.01	.002	.01	.010	.010	.010	.007
7475	.001	.01	.01	.01	.15	.01	.01	.03	.71	.01	.002	.01	.010	.010	.010	.003
7476	.001	.01	.01	.01	.07	.01	.01	.03	.71	.01	.002	.01	.010	.010	.010	.001
7477	.001	.01	.01	.01	.08	.01	.01	.02	.41	.01	.002	.01	.010	.010	.010	.001
7478	.001	.01	.01	.01	.01	.01	.01	.03	1.05	.01	.002	.01	.010	.010	.010	.001
7479	.001	.01	.12	.05	.18	.01	.01	.02	.72	.01	.002	.01	.010	.010	.010	.116
7480	.001	.01	.01	.01	.06	.01	.01	.01	.44	.01	.002	.01	.010	.010	.010	.001
7481	.001	.01	.01	.01	.04	.01	.01	.01	.53	.01	.002	.01	.010	.010	.010	.001
7482	.001	.03	.13	.06	.30	.01	.01	.01	1.06	.01	.002	.01	.010	.010	.010	.100
7483	.001	.01	3.03	.01	5.61	.01	.01	.01	.69	.01	.002	.01	.010	.010	.010	.309
7484	.001	.01	.08	.02	.16	.01	.01	.01	.70	.01	.002	.01	.010	.010	.010	.045
7485	.001	.01	.11	.01	.23	.01	.01	.01	.33	.01	.002	.01	.010	.010	.010	.160
7486	.001	.01	.01	.01	.17	.01	.01	.01	.46	.01	.002	.01	.010	.010	.010	1.080
STD R-1	.091	.89	1.37	2.39	2.96	.03	.02	.08	7.02	.94	.008	.01	.040	.160	.030	-

## STRATO GEOLOGICAL FILE # 85-2589

PAGE 2

SAMPLE#	Mo %	Cu %	Pb %	Zn %	Ag OZ/T	Ni %	Co %	Mn %	Fe %	As %	U %	Th %	Cd %	Sb %	Bi %	Au OZ/T
7487	.001	.01	.01	.01	.07	.01	.01	.01	.50	.01	.002	.01	.010	.010	.010	.117
7488	.001	.01	.10	.01	.35	.01	.01	.01	.51	.01	.002	.01	.010	.010	.010	.048
7489	.001	.01	.01	.01	.01	.01	.01	.01	.30	.01	.002	.01	.010	.010	.010	.007
7490	.001	.01	.01	.03	.02	.01	.01	.04	2.88	.01	.002	.01	.010	.010	.010	.036
STD R-1	.087	.89	1.37	2.45	2.96	.03	.02	.08	7.01	.92	.009	.01	.040	.160	.030	-

**APPENDIX B**

**SAMPLE DESCRIPTIONS**

## SAMPLE DESCRIPTIONS

SAMPLE NUMBER	DESCRIPTION
7451	Pale greyish quartz vein approx. 3% hornblende and chlorite; trace py; 37cm wide
7452	Dark green, massive, fine grained andesite; 60cm wide
7453	Pale greyish slightly granular quartz vein; up to 2% py; 80cm wide
7454	Off-white glassy quartz vein; 1mnt along fractures; up to 2% py within 10cm of vein margin; 104cm wide
7455	Finely banded, locally silicified andesitic tuff; 1 mnt; trace to 1% disseminated py; 74cm wide
7456	Pale white slightly sugary quartz vein; trace cpy; 26cm wide
7457	Pale white weakly fractured quartz vein; locally up to 10% carbonate; 1mnt; trace mal; 53cm wide
7458	Off white, sugary quartz vein; up to 2% gn; local traces cpy, py, mal; 1mnt; 96cm wide
7459	Sample 10 - 20% quartz vein, 80 - 90% andesitic tuff; 1mnt; carbonate; up to 1% py, traces cpy, mal; non-continuous across 400cm width
7460	White quartz vein; local 1mnt; trace py; 48cm wide
7461	Glassy white quartz vein; locally up to 2% cpy, trace mal, 1mnt, py, gn, az; carbonate up to 5%; 500cm wide
7462	Quartz vein; moderately fractured; 1mnt; 100cm wide
7463	Fine grained faintly banded andesitic tuff; up to 1% diss. py; 53 cm wide
7464	White quartz vein; abundant 1mnt, coating fractures; no sulphides; 18cm wide
7465	White quartz vein; local 1mnt; 85cm wide

- 7466 Quartz vein stained yellow-brown by lmnt; no sulphides; 105cm wide
- 7467 Quartz vein with abundant lmnt, trace py; 230cm wide
- 7468 Quartz vein with abundant lmnt; no sulphides, 76cm wide
- 7469 Off white quartz vein with up to 5% creamy feldspar and local lmnt; no sulphides; 27cm wide
- 7470 White quartz vein; local lmnt, up to 1% py; 68cm wide
- 7471 White quartz vein stained with lmnt; no sulphides; 77cm wide
- 7472 White quartz vein stained with lmnt; up to 2% py; 46cm wide
- 7473 White quartz vein pieces in talus; abundant lmnt; locally up to 1% cpy, mal, az; up to 4% gn; 46cm wide
- 7474 F vein; end of large white quartz vein; locally abundant lmnt; 120cm wide
- 7475 F vein; local lmnt patches; trace py; 200cm wide
- 7476 F vein; minor lmnt; local trace py; inclusions of diorite wallrock; 89cm wide
- 7477 F vein; minor lmnt; wallrock inclusions; 27cm wide
- 7478 F vein; lmnt; intensely fractured, brecciated; 54cm wide
- 7479 F vein; lmnt, mal, az, up to 2% gn, trace cpy; 32cm wide
- 7480 F vein; lmnt, inclusions of andesitic wallrock; 230cm wide
- 7481 F vein; lmnt, py; 280cm wide
- 7482 A vein; lmnt, mal; intensely to moderately weathered; 108cm wide
- 7483 A vein; lmnt, 1 to 7% gn; 48cm wide
- 7484 A vein; lmnt; 67cm wide

- 7485 A vein; 1mnt, up to 0.5% gn; 54cm wide
- 7486 A vein; 1mnt; 120cm wide
- 7487 A vein; 1mnt, moderately weathered rock; 33cm wide
- 7488 A vein; 1mnt, up to 2% gn, moderately fractured rock; 78cm wide
- 7489 A vein; 1mnt; 46cm wide
- 7890 Diorite wallrock, near A vein; traces, locally up to 2%, py; 34cm wide



**APPENDIX C**  
**GEOCHEMICAL ANALYSIS CERTIFICATE**

ACME ANALYTICAL LABORATORIES LTD.

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 MM.FE.CA.P.CR.HG.BA.TI.B.AL.NA.K.W.SI.IR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: PULP AU+ ANALYSIS BY AA FROM 20 GRAM SAMPLE.

DATE RECEIVED: OCT 8 1985 DATE REPORT MAILED: *OCT. 16/85* ASSAYER: *T. Saundry* .DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

STRATO GEOLOGICAL FILE # 85-2589 & 85-2588A R

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	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	PPM
7458	2	71	321	283	4.2	27	6	371	.93	12	5	ND	1	73	1	2	2	16	1.80	.01	2	49	.74	143	.01	3	.11	.01	.04	11	360
7461	7	240	130	6	3.1	7	9	144	.46	2	5	ND	1	10	1	2	2	4	.21	.01	2	26	.09	45	.01	2	.06	.01	.01	16	70
7473	3	314	6838	258	86.3	3	10	55	.74	3	5	10	1	1	1	12	49	2	.01	.01	2	19	.01	7	.01	2	.03	.01	.01	19	15800
7479	3	90	1205	526	7.6	2	4	206	.68	2	5	ND	1	9	4	2	2	3	.51	.01	2	17	.07	252	.01	2	.08	.01	.02	17	3100
7488	2	25	995	105	13.7	1	1	91	.51	8	5	ND	1	6	1	2	14	1	.11	.01	2	15	.01	8	.01	2	.04	.01	.01	12	1920
7496	1	9	3655	121	9.3	1	1	94	.45	10	5	ND	4	76	2	19	2	1	8.85	.01	2	9	.82	1	.01	2	.02	.01	.01	9	28
STD C/AU-0.5	20	60	39	135	7.2	72	31	1212	3.95	40	19	7	39	54	16	15	22	58	.48	.15	36	60	.88	182	.08	41	1.72	.07	.11	12	500

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

DATE RECEIVED: OCT 8 1985

DATE REPORT MAILED: .....

*Oct. 16/85*

### 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.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU- DETECTION LIMIT BY ICP IS 3 PPM.

SAMPLE TYPE: PULP

ASSAYER: *T. Saundry* DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

STRATO GEOLOGICAL

FILE # 85-2589 R

PAGE 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM
7456	30	3	27	.2	2
7459	67	36	74	3.0	13
7464	26	25	13	7.2	2
7468	13	13	10	4.8	2
7482	260	1268	647	6.5	20
7486	21	79	35	4.5	4
7487	36	120	72	1.7	2
STD C/AU-0.5	60	39	135	7.2	40

ACME ANALYTICAL LABORATORIES LTD.

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-HNO<sub>3</sub>-H<sub>2</sub>O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SM, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: PULP AU\* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

DATE RECEIVED: OCT 8 1985 DATE REPORT MAILED: *Oct. 16/85* ASSAYER: *J. Saundry*, DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

STRATO GEOLOGICAL FILE # 85-2589 &amp; 85-2588A R

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* PPM
7458	2	71	321	283	4.2	27	6	371	.93	12	5	ND	1	73	1	2	2	16	1.80	.01	2	49	.74	143	.01	3	.11	.01	.04	11	360
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7473	3	314	6838	258	86.3	3	10	55	.74	3	5	10	1	1	1	12	49	2	.01	.01	2	19	.01	7	.01	2	.03	.01	.01	19	15800
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7496	1	9	3655	121	9.3	1	1	94	.45	10	5	ND	4	76	2	19	2	1	8.85	.01	2	9	.82	1	.01	2	.02	.01	.01	9	28
STD C/AU-0.5	20	60	39	135	7.2	72	31	1212	3.95	40	19	7	39	54	16	15	22	58	.48	.15	36	60	.88	182	.08	41	1.72	.07	.11	12	500

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

DATE RECEIVED: OCT 8 1985

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- SAMPLE TYPE: PULP

ASSAYER: *T. Saundry* DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

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STD C/AU-0.5	60	39	135	7.2	40

**APPENDIX D**  
**TIME-COST DISTRIBUTION**

## TIME-COST DISTRIBUTION

The claims toward which work is being applied with this report consist of the Good, Much, Pro, Fit, Prospects, And, Dar claims, Record Numbers 4155, 4149, 4150, 4151, 4147, 4148 and 4154. This report described the survey work done and attempted during the period 19 August through 30 August 1985 by Strato Geological Engineering Ltd. and Laramie Resources Ltd. personnel.

A listing of personnel and a distribution of costs is as follows:

### Personnel:

D. J. Pawliuk, P. Geol.	Geologist Strato Geological Engineering Ltd.
J. Sperling	Prospector/Driller Laramie Mining Corp.
J. Gabbs	Driller/Blaster Laramie Mining Corp.
R. Landry	Field Assistant Laramie Mining Corp.

### Cost Distribution:

1) <u>Strato Geological Engineering Ltd.</u>	
Geological field work - D. Pawliuk	\$ 2,580.00
Field Supplies, expenses, etc.	586.41
Assaying and geochemical analysis	1,179.60
Maps and report - drafting, reproduction, copying, etc.	970.00
Report - Analysis and Interpretation	1,600.00
Contingencies	<u>500.31</u>
Invoice (Strato)	<u>\$ 7,416.32</u>

2) Laramie Mining Corporation

Personnel - drill crew wages  
11 days @ \$320/day \$ 3,520.00

Room and Board  
44 mdays @ \$40/md 1,760.00

Vehicle rentals  
3/4 ton truck and van 1,211.00

Helicopter (Johanson Lake to property) 1,680.60

Machine, drill, pump, rods, equipment  
rental (incl. radio) 1,070.25

Total (Direct costs) \$ 9,241.85

Total Expenses \$ 16,658.21

Signed Kenneth Norman  
Laramie Mining Corporation





**SYMBOLS**

F ... Quartz vein, identifier

7479  $\frac{.116, .18}{.32}$  ... Sample number  $\frac{\text{gold in oz/ton, silver in oz/ton}}{\text{sample width (cm)}}$

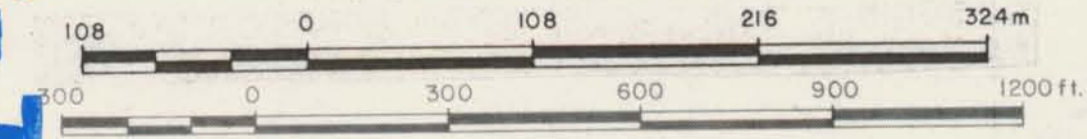
- gn ... galena
- cp ... chalcopyrite
- py ... pyrite
- mal ... malachite
- az ... azurite
- limt ... limonite
- c ... carbonate



FIGURE 5

**LARAMIE MINING CORPORATION**  
GOLDWAY PEAK, NTS 94D 9E/W  
MINNECA MINING DIVISION, BRITISH COLUMBIA

**SAMPLE LOCATION and ASSAY RESULTS**



To accompany a report by D.J. Pawliuk, P. Geol.  
STRATO GEOLOGICAL ENGINEERING LTD.

DRAWN BY: D.J.P., BK

DATED: October, 1985



**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**14,105**



**LEGEND**

- D ... Quartz diorite
- H ... Hornblendite
- Af ... Andesitic flows
- At ... Andesitic tuffs

**SYMBOLS**

- ... Quartz vein, dip, identifier.
- ... Geological contact (defined, inferred)
- ... Outcrop
- ... Fault (inferred, dip)
- ... Strike and dip of bedding
- ... Strike of vertical beds

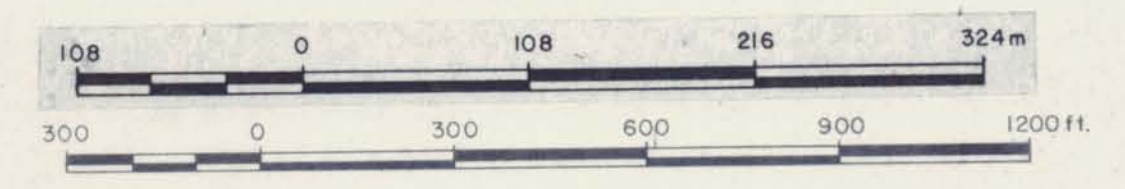
**NOTE**  
- Geology after Campbell (1947)

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

FIGURE 4

**LARAMIE MINING CORPORATION**  
GOLDWAY PEAK, NTS 9 10 9 E/W  
OMINECA MINING DIVISION, BRITISH COLUMBIA

**GEOLOGY**

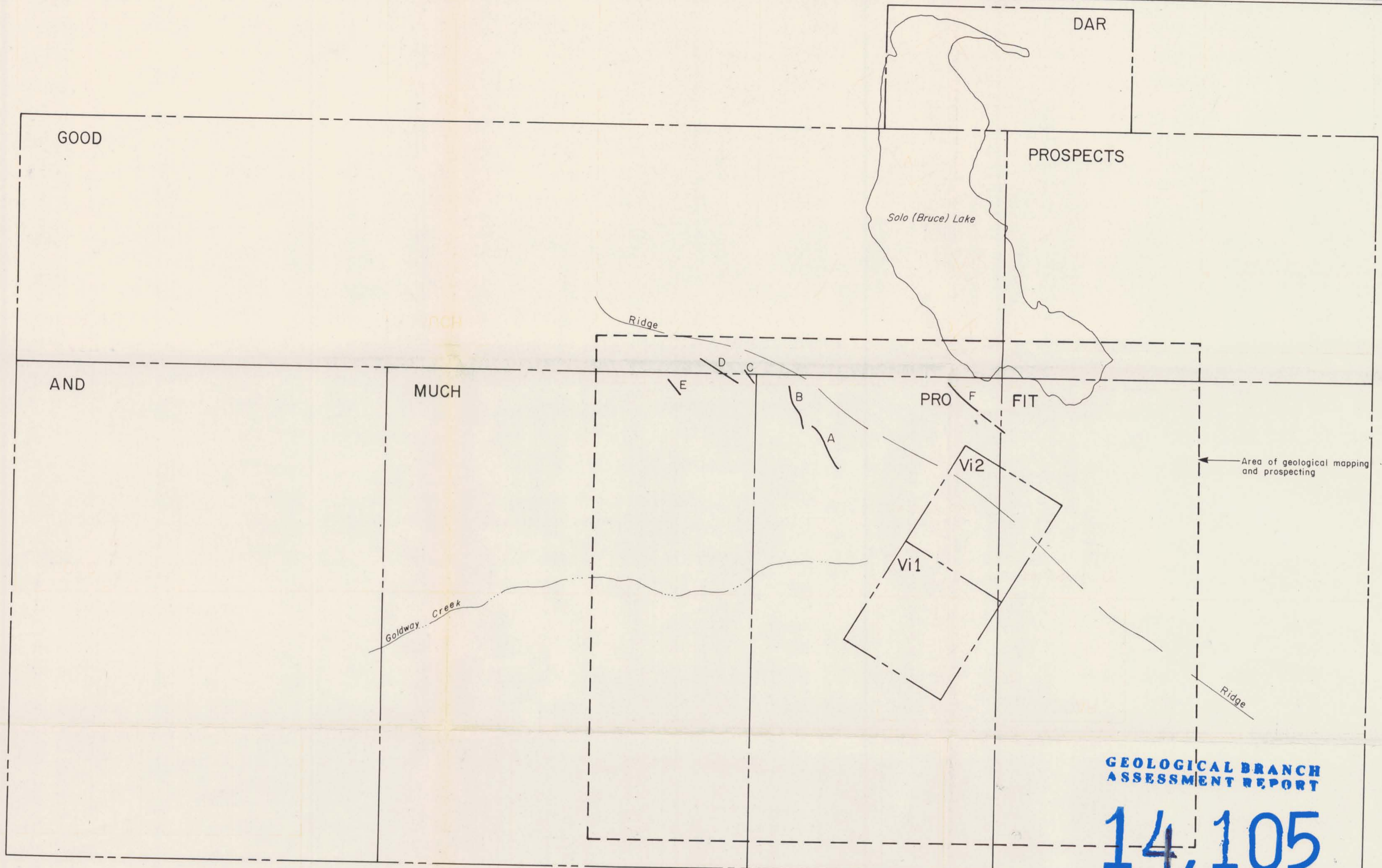


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DRAWN BY: D.J.P, BK

DATED: October, 1985





**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**14,105**

FIGURE 3

**SYMBOLS**  
A --- Quartz vein, identifier



**LARAMIE MINING CORPORATION**

GOLDWAY PEAK, NTS 94D 9E/W  
OMINECA MINING DIVISION, BRITISH COLUMBIA

**PROPERTIES**



To accompany a report by D. J. Pawliuk, P. Geol.  
STRATO GEOLOGICAL ENGINEERING LTD.

DRAWN BY: BK

DATED: October, 1985

