

**BRITISH COLUMBIA**  
**PROSPECTORS ASSISTANCE PROGRAM**  
**MINISTRY OF ENERGY AND MINES**  
**GEOLOGICAL SURVEY BRANCH**

PROGRAM YEAR: 2000/2001

REPORT #: PAP 00-46

NAME: DAVID BENNETT

**D. TECHNICAL REPORT**

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, pages 6 and 7.



Information on this form is confidential subject to the provisions of the Freedom of Information Act.

**SUMMARY OF RESULTS**

- This summary section must be filled out by all grantees, one for each project area

Name DAVID BENNETT Reference Number \_\_\_\_\_

**LOCATION/COMMODITIES**

Project Area (as listed in Part A) NEWHYKULSTEN MINFILE No. if applicable \_\_\_\_\_

Location of Project Area NTS 092P 8E Lat 51°18' Long 120°4'

Description of Location and Access Drive from Barriere B.C. north for approx. 2.0 km along the east side of N. Thompson River. Take 4x4 rd East (follows Newhykulsten Creek via N. side) for approx. 8 km at which point road becomes overgrown.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Main Commodities Searched For Intrusion related gold, VMS, epithermal gold.

Known Mineral Occurrences in Project Area Massive sulfide showing on road approx 1 km NE of Chinook Mtn, Chu Chua massive sulfide located 5 to 10 km north - 2.7 million ton reserve Cu, Zn, Ag, Au.

**WORK PERFORMED**

1. Conventional Prospecting (area) 9 sq. km.
2. Geological Mapping (hectares/scale) \_\_\_\_\_
3. Geochemical (type and no. of samples) 5 Hill samples.
4. Geophysical (type and line km) \_\_\_\_\_
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no. holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

**Best Discovery**

Project/Claim Name \_\_\_\_\_ Commodities \_\_\_\_\_

Location (show on map) Lat. \_\_\_\_\_ Long \_\_\_\_\_ Elevation \_\_\_\_\_

Best assay/sample type No significant results.

Description of mineralization, host rocks, anomalies \_\_\_\_\_

Till samples were very weakly anomalous for Au (3 to 7 ppb). Outcrops in this area are mainly Fennel Fm andesites/basalts in an area with granitic intrusions (2-3 km diameter stock). Hornfels type alteration w. carbonate fractures occurs in outcrops. Float in area of D512 (1999) is weakly silicified.

**FEEDBACK:** comments and suggestions for Prospector Assistance Program \_\_\_\_\_

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS



- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.

Information on this form is confidential for one year from the date of receipt subject to the provisions of the Freedom of Information Act.

Name DAVID BENNETT Reference Number \_\_\_\_\_

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

APPROXIMATELY 20 km NE of Barriere, B.C. NTS 092P/8  
Specific target area is the headwaters of Newhykulsten Creek  
approximately 4 km ENE of Chinook Mtn.

2. PROGRAM OBJECTIVE [Include original exploration target.]

To follow up on anomalous gold geochemistry in the 1999 program  
(D512 - Till 185 ppb Au, D513 - Silt 76 ppb Au). Primary target consists of  
a mag high centred on Newhykulsten Ck immediately SW of 2 granite  
stocks. Government Hills in the area were anomalous for gold, bismuth and  
arsenic.

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

The follow-up till sampling was inconclusive with Au values of 3-11 ppb.  
Outcrops encountered were unaltered granites, hornfelsed meta-volcanics in contact  
zone near the granite and weakly vstcd and carbonate fractured andolites.

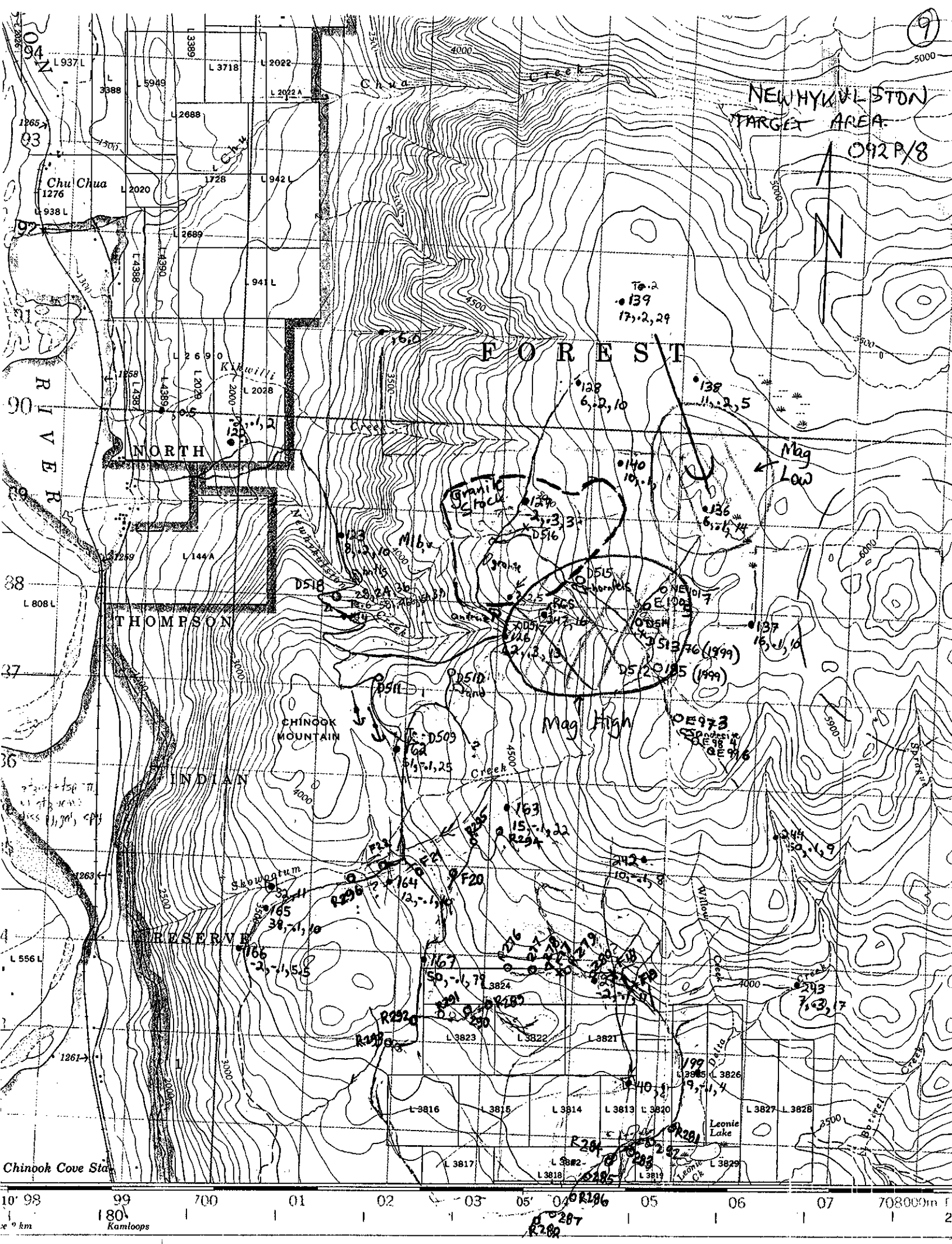
D. TECHNICAL REPORT (continued)



REPORT ON RESULTS (continued)

4. GEOCHEMICAL RESULTS [Describe all survey types done (rock, soil, silt) and their objective. Show clearly on accompanying map(s) of appropriate scale all sample sites along with all significant values. Any anomalous areas should be indicated on maps by the use of contouring, variable symbol sizes, or some other suitable technique. Include a discussion/interpretation of results. A copy of analysis/assay certificates must be included with sample numbers from map. Details of individual rock samples taken are encouraged. Significant geochemical values obtained must be stated.]

5 Hill samples were collected in an area of previously anomalous Au in a fill and silt sample. No significant results were obtained.



9

NEW HYVALSTON  
TARGET AREA  
092P/8

N

T-2  
•139  
17.2, 29

FOREST

MAG  
Low

MAG  
High

NORTH

THOMPSON

CHINOOK  
MOUNTAIN

INDIAN  
RESERVE

Chinook Cove Sta

10° 98' 99' 700 01 02 03 05 06 07 708000m  
180  
Kamloops  
0287  
R282

### D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, pages 6 and 7.



Information on this form is confidential subject to the provisions of the Freedom of Information Act.

### SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Name DAVID BENNETT Reference Number \_\_\_\_\_

#### LOCATION/COMMODITIES

Project Area (as listed in Part A) MARTIN CREEK MINFILE No. if applicable \_\_\_\_\_

Location of Project Area NTS 082M 13E, 14W Lat 51°45' to 51°57' N Long 119°25' to 119°40' W

Description of Location and Access Access to the south half of the area is via logging roads → Mad River logging main located 30 km north of Clearwater. North half of the property is accessed out of Anula on logging roads headed N. out of Anula.

Prospecting Assistant(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)  
GORDON RICHARDS, M.Sc. Geological Engineering, U.B.C.  
- over thirty years prospecting experience in B.C.

Main Commodities Searched For Intrusion related Au, epithermal Au, W skarn.

Known Mineral Occurrences in Project Area Several known W skarns including the Dimaac, Mar and TV occur in the area (TV skarn located within the READYMIX 6 claim). 10 km north is the SK property with 2 m wide, 2 km long Broken Hill type Zn-Pb massive sulfide.

WORK PERFORMED	
1. Conventional Prospecting (area)	<u>60 sq. km.</u>
2. Geological Mapping (hectares/scale)	<u>30 sq. km @ 1:25,000 scale.</u>
3. Geochemical (type and no. of samples)	<u>18 Rock, 20 SILT, 102 TILL</u>
4. Geophysical (type and line km)	_____
5. Physical Work (type and amount)	_____
6. Drilling (no. holes, size, depth in m, total m)	_____
7. Other (specify)	_____

**Best Discovery**  
Project/Claim Name READYMIX Commodities Au  
Location (show on map) Lat. 51°48' N. Long 119°33' W Elevation 5000 to 5600 ft.  
Best assay/sample type R 116 - 13.150 gm/T Au. - angular Qtz. Float with 10-15% leached sulfides.  
A-74 9,540 ppb Au. - angular Qtz. Float with >5% disseminated py - 3cm band w/ >60% sulfides.  
Description of mineralization, host rocks, anomalies See attached report.

**FEEDBACK:** comments and suggestions for Prospector Assistance Program \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## D. TECHNICAL REPORT (continued)

### REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- Supporting data must be submitted with the following **TECHNICAL REPORT** or any report accepted in lieu of.

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

Name DAVID BENNETT Reference Number \_\_\_\_\_

#### 1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

Plateau area between Reft River and Mad River (NTS 082M13E & 14W)  
from approximately 51°45' N to 51°57' N latitude.

#### 2. PROGRAM OBJECTIVE [Include original exploration target.]

The primary target in this area was the Martin Creek drainage basin and upper ridge to follow up on sample D644 (29 gm/T Au, 202 gm/T Ag) in proximity to 87 ppb Au in the soil from the East fork of upper Martin Creek. Objective was to try to locate the source of sample D 644 and to identify a target for staking. The remaining area to the north was identified as an excellent potential area for intrusion related Au and W shows within the belt of Shuswap Complex metamorphics, Eagle Bay Fm metamorphics, with multiphase granitic intrusions.

#### 3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

READYMIX PROPERTY — See attached report.

STRATTON CREEK AREA: Chalcedonic silicification in medium grained gneiss/biotite granite with anomalous Au.

C 242 - Medium grained gneiss/granite with strong limonite staining and limonitic fractures. Vuggy chalcedony veins up to 3 cm wide. Minor visible pyrite → Angular Floats

C 246 - Sub-crop of clay altered micro pegmatite/granite with strong sulfide mineralization and iron staining. — 140 ppb Au.

C 247 - angular float of fine to medium grained clay altered gneiss/granite with 10-15% disseminated Pyrite — numerous chalcedony fractures. 350 ppb Au.

D. TECHNICAL REPORT (continued)



REPORT ON RESULTS (continued)

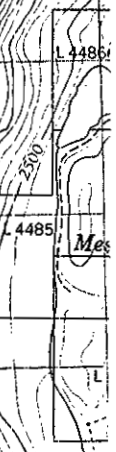
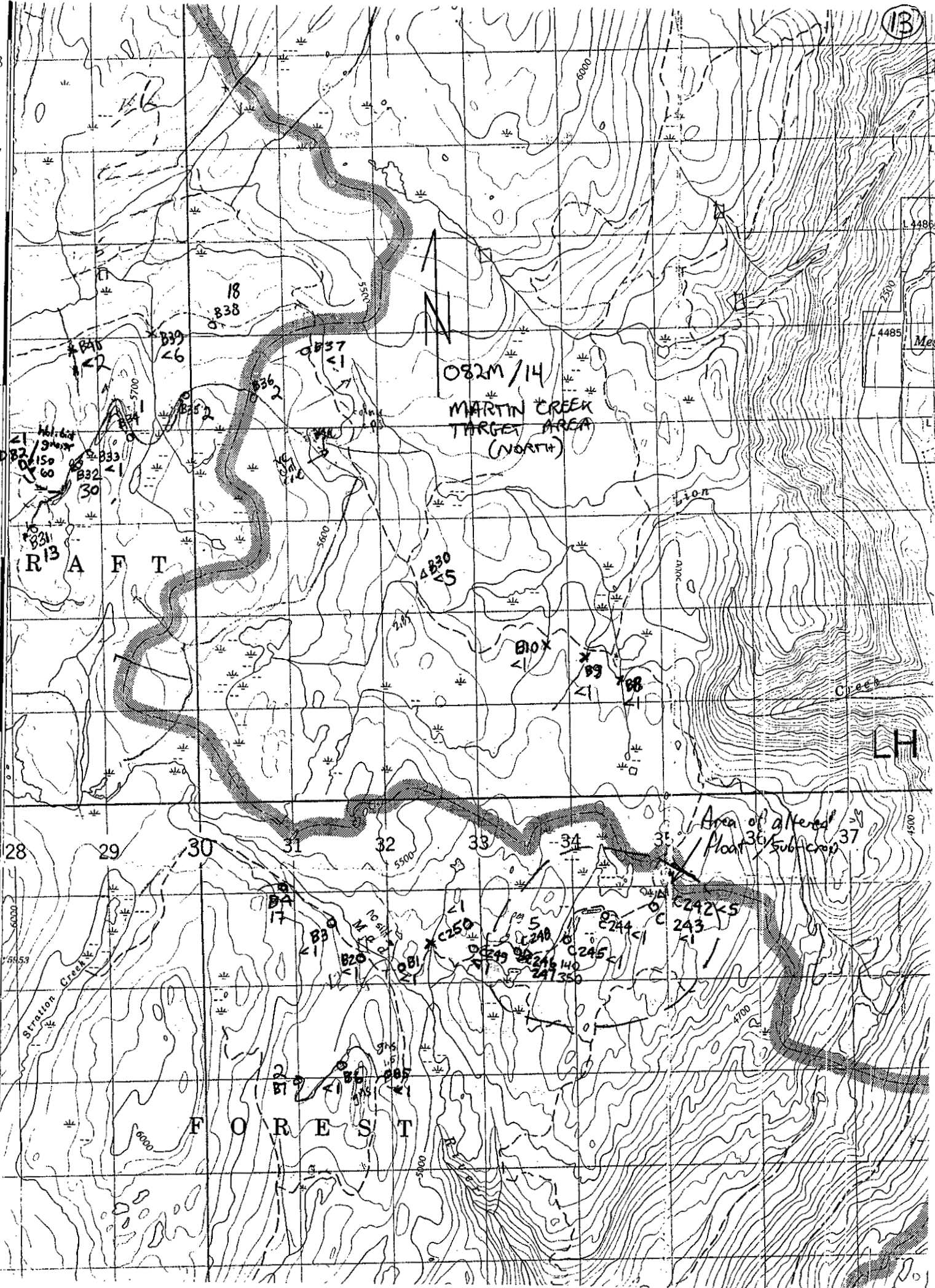
4. GEOCHEMICAL RESULTS [Describe all survey types done (rock, soil, silt) and their objective. Show clearly on accompanying map(s) of appropriate scale all sample sites along with all significant values. Any anomalous areas should be indicated on maps by the use of contouring, variable symbol sizes, or some other suitable technique. Include a discussion/interpretation of results. A copy of analysis/assay certificates must be included with sample numbers from map. Details of individual rock samples taken are encouraged. Significant geochemical values obtained must be stated.]

READYMIX PROPERTY - See attached report.

Outside of the READYMIX property in the Martin Creek Target Area reconnaissance sampling consisting of 6 ROCK, 7 SILT AND 25 TILL samples were collected. The only area with significant results was the area near Mad River approximately 4 km east of the headwaters lake of Stratton Creek. Anomalous Au (C246 - 140 ppb Au and C247 - 350 ppb Au) was discovered in an area of clay-chalcedony-sulfide alteration within medium grained gneiss/granites with pegmatite float occurring in the area. Corresponding tills and silts in the area were not anomalous for Au with the exception of a 17 Au in till sample B4 located at the westernmost end of the sample traverse approximately 3 km west of the area of altered sub-crop and float. Prior to further follow-up sampling in the area it is recommended that the samples be run for multielement ICP in order to check for possible anomalous Bi, Sb, As, W which may be often associated with intrusion related Au deposits. Positive results from the multielement analysis would provide a basis for further follow-up by till sampling, alteration mapping and rock sampling to look for higher grade gold mineralizations.



58  
57  
56  
55  
54  
53  
52  
51  
50  
49  
48  
47  
46  
50  
45



LH

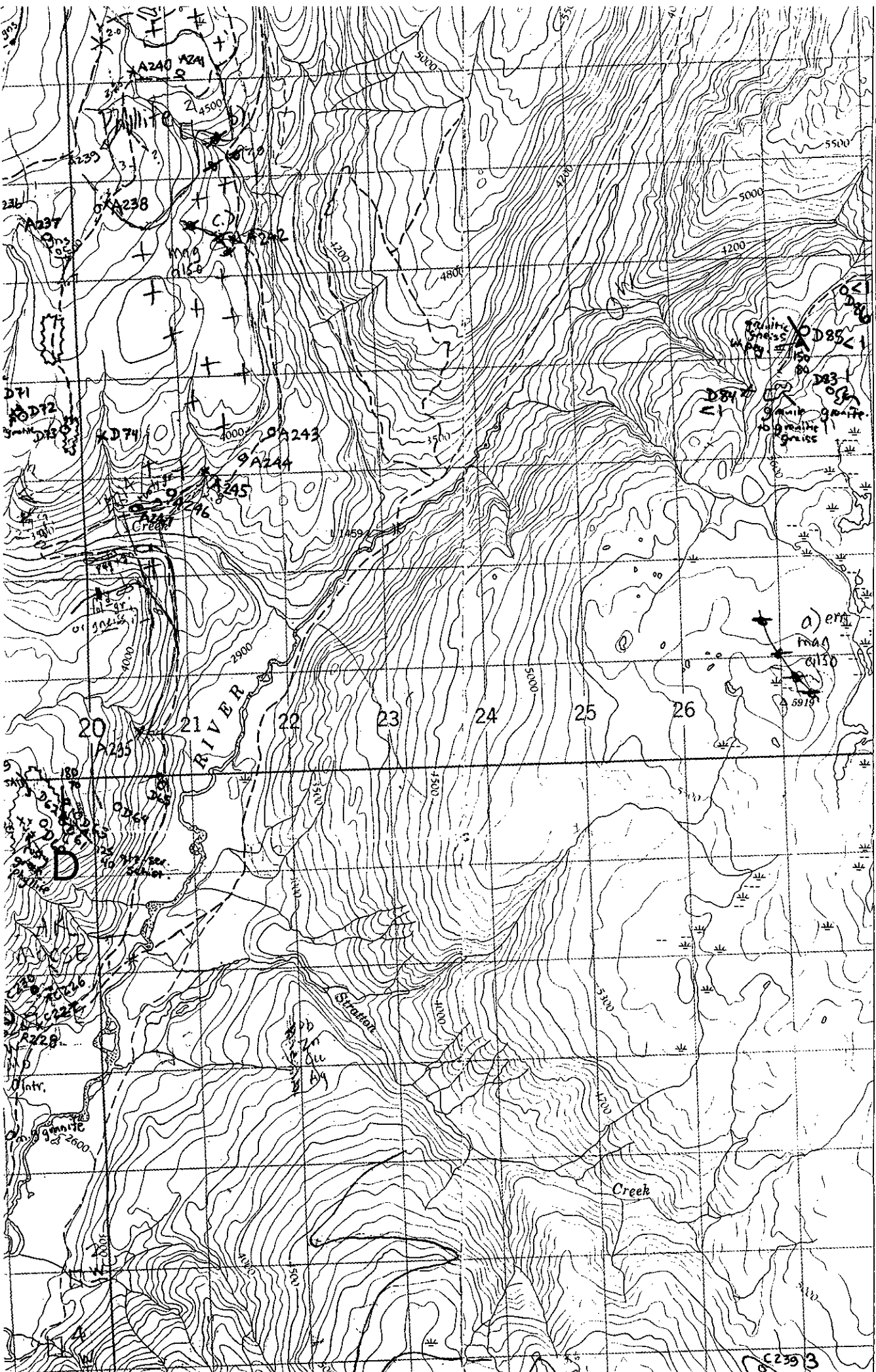
Area of altered Plant Subcrop

082M/14  
MARTIN CREEK  
TARGET AREA  
(NORTH)

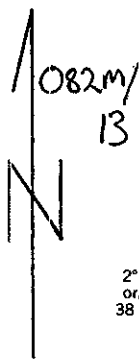
RAFT

FOREST

Stratton Creek



- C Cemetery
- CO County
- E Elevator
- F Ferry
- IR Indian Rese
- H Hospital
- L Lot
- M cro Microwave
- M m Municipal
- P Post Office
- PH Power Hous
- RCMP Royal Cana
- Res Reservoir
- Trans Sta Transforme
- TFL Tree Farm

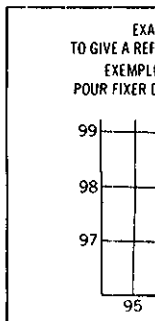


MARTIN CREEK  
TARGET AREA  
(NORTH)

Use diagram of  
APPROXIMATE  
Annual  
N'utiliser le diagramme  
DECLINAISON  
AU CENT  
Variation

ONE TH  
UNIVERSAL TR  
QUADRILLA  
TRANSVERSE

GRID ZONE DESIGNATION  
DÉSIGNATION DE  
LA ZONE  
DU QUADRILLAGE:  
  
11U



REFERENCE POINT  
POINT DE REPÈRE  
EASTING: Read number  
immediately to left

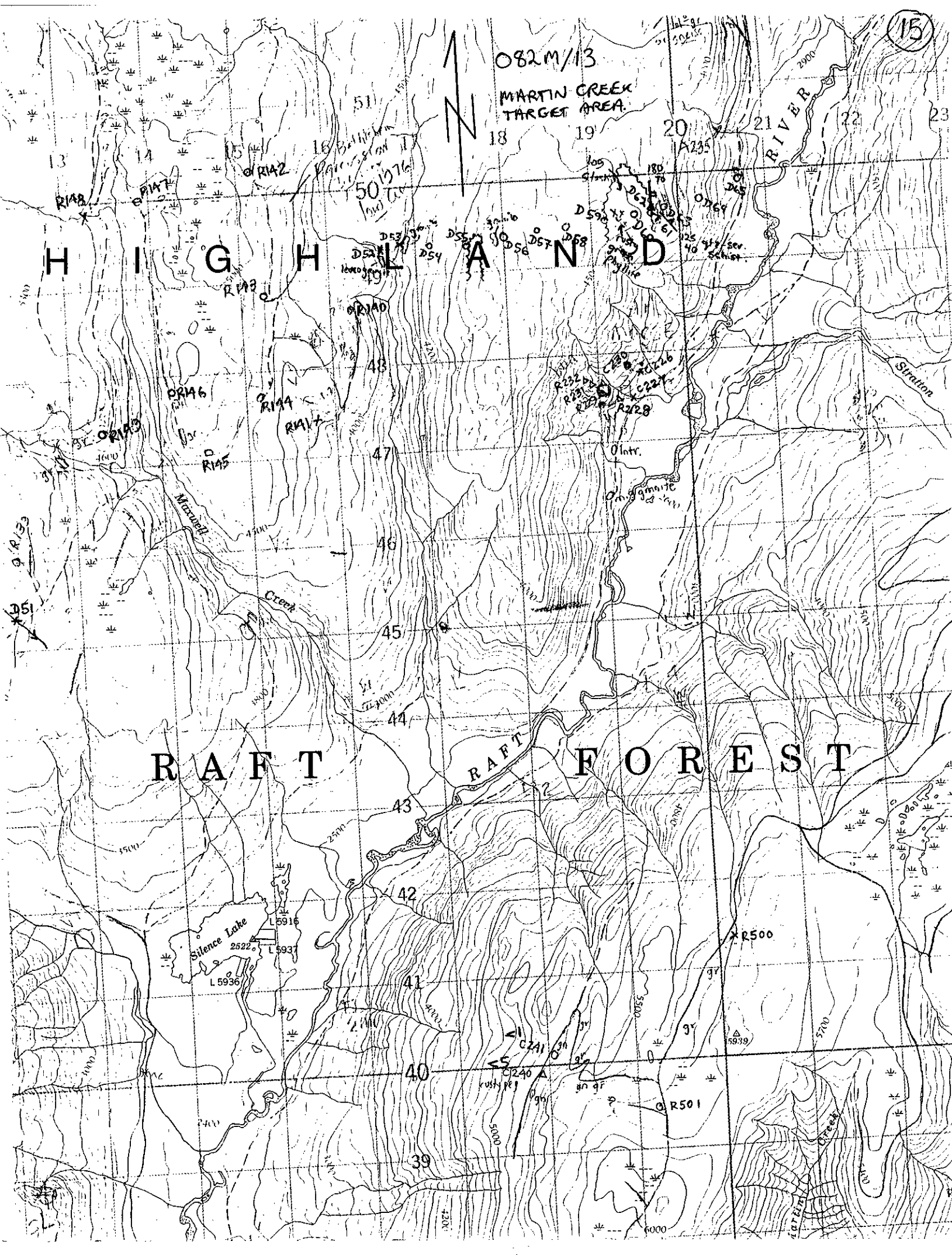
082M/13

MARTIN CREEK  
TARGET AREA



# H I G H L A N D

# R A F T F O R E S T



Silence Lake  
2522  
L 5936

R500

C241  
rusty peg  
C240

R501

5939

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, pages 6 and 7.



Information on this form is confidential subject to the provisions of the Freedom of Information Act.

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Name DAVID BENNETT Reference Number \_\_\_\_\_

LOCATION/COMMODITIES

Project Area (as listed in Part A) VAVENBY EAST MINFILE No. if applicable \_\_\_\_\_

Location of Project Area NTS 082M 11W Lat 51°38'30"N Long 119°27'W

Description of Location and Access Follows Hwy 5. East of Vavenby for approx. 33 km to the Otter Creek bridge crossing of the N. Thompson River. Follow log roads SW on the south side of the N. Thompson to a main junction at 5 km. Head South along secondary log roads into immediate target area.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6) M.Sc. Geological Engineering, U.B.C. - over 30 years experience prospecting in B.C.

Main Commodities Searched For Intrusion related Au, epithermal Au

Known Mineral Occurrences in Project Area Caribou Showing located 7km SE - Quartz veins in metavolcanic rocks with chalcopyrite, molybdenite, gold, and silver.

**WORK PERFORMED**

1. Conventional Prospecting (area) 14 sq.km.
2. Geological Mapping (hectares/scale) 10 sq.km @ 1:50,000 scale.
3. Geochemical (type and no. of samples) 4 ROCK, 2 SILT, 7 TILL samples.
4. Geophysical (type and line km) \_\_\_\_\_
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no. holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

**Best Discovery**  
Project/Claim Name \_\_\_\_\_ Commodities \_\_\_\_\_

Location (show on map) Lat. \_\_\_\_\_ Long \_\_\_\_\_ Elevation \_\_\_\_\_

Best assay/sample type D 91 - 30ppb Au - mineralized outcrop  
D 97 - 24ppb Au in till sample

Description of mineralization, host rocks, anomalies Granite/gneiss stock intrudes Eagle Bay Fm. gneiss/schist. Numerous pegmatite dykes (one found in outcrop over 10m in width) and zones of strong quartz veining and silicification occur in the slopes immediately north of the granite. Anomalous Au, As, Sb and Bi were identified in till in close proximity to the pegmatite and rusted gneiss (1999 sample = 6.1ppb Au, 193ppm As, 31.2ppm Bi, 0.8ppm Sb - sample D583).

**FEEDBACK:** comments and suggestions for Prospector Assistance Program \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**D. TECHNICAL REPORT (continued)**

**REPORT ON RESULTS**

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- Supporting data must be submitted with the following **TECHNICAL REPORT** or any report accepted in lieu of.

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

Name DAVID BENNETT Reference Number \_\_\_\_\_

**1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]**

PROJECT AREA LOCATION - NTS 082 M 11W // 51°37' to 51°40' N lat  
119°25' to 119°28' W longitude.

**2. PROGRAM OBJECTIVE [Include original exploration target.]**

The main objective in this area was to follow up on 1999 sampling/mapping that identified an area near a granite stock with pegmatite dykes and zones of silicification within Eagle Bay Fm. schists and gneisses. Anomalous Au, As, Sb and Bi occur in the float with strongest silicification and in tills where the greatest concentration of pegmatite dykes occur.

**3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]**

Outcrops throughout the area mapped consist of dark coloured hornblende/biotite gneiss, chloritic schist and gritty quartzite believed to be of Eagle Bay Formation. Foliation within the metamorphics <sup>strike</sup> N15E with moderate dips towards the east. Numerous pegmatite dykes cut the metamorphics in outcrop exposures along the road. Alteration near the dykes consists of strong silicification (3-5% disseminated Pyrite), open-vegy quartz veins, clay alteration (probably sericite/montmorillonite) and minor fracture silicification. (D 92 - 10ppb Au, and D 91 - 30ppb Au). D 88 ~~and D 90~~ is from outcrop of rusty silicified pegmatite and D 90 is outcrop of strongly fractured, rusty gritty quartzite.

D. TECHNICAL REPORT (continued)  
REPORT ON RESULTS (continued)



4. GEOCHEMICAL RESULTS [Describe all survey types done (rock, soil, silt) and their objective. Show clearly on accompanying map(s) of appropriate scale all sample sites along with all significant values. Any anomalous areas should be indicated on maps by the use of contouring, variable symbol sizes, or some other suitable technique. Include a discussion/interpretation of results. A copy of analysis/assay certificates must be included with sample numbers from map. Details of individual rock samples taken are encouraged. Significant geochemical values obtained must be stated.]

4 Rock, 2 Silt and 7 Till samples were collected in the target area. Rocks were taken from ~~at~~ outcrops of ~~the~~ altered schists/gneisses intruded by pegmatite dykes (D92 + D91), rusty pegmatite D89 and from fractured, rusty quartzite D90. D91 and D92 were only weakly anomalous for Au (10 and 30 ppb respectively). A line of tills was taken in an E-W direction to cover the area immediately down ice <sup>(south)</sup> of the alteration with pegmatite dykes and just north of the granite stock and the area of anomalous gold in strongly silicified float from the 1999 sampling program (D573 - 665 ppb Au, D575 - 125 ppb Au). In general the till and silt results were disappointing with only one till "D97" being ~~slightly~~ <sup>moderately</sup> anomalous at 24 ppb Au.

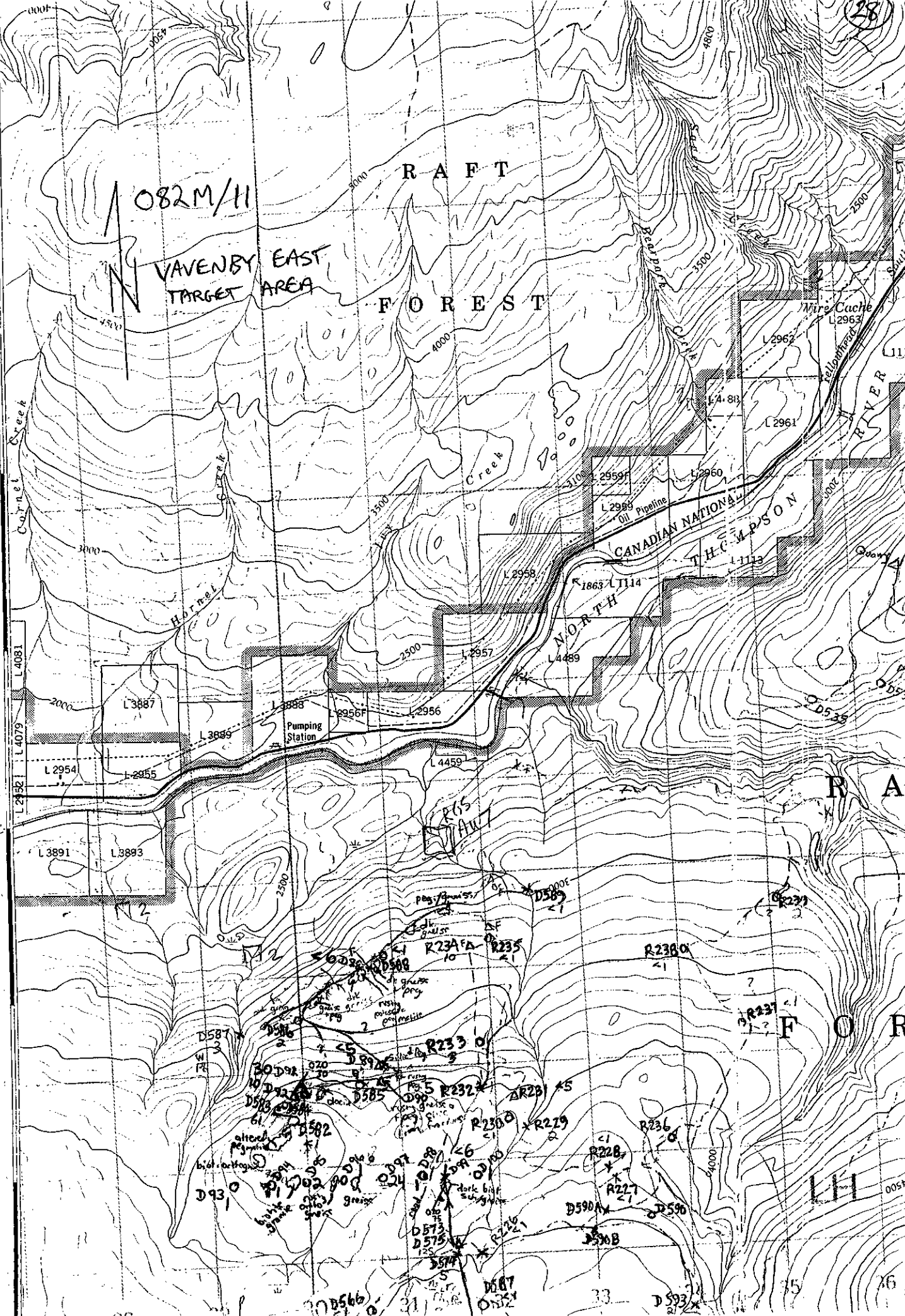
It is the opinion of the author that weak gold anomalies are a result of the pegmatite intrusions with slightly elevated gold values being introduced in reaction with certain rocks (mainly hochland-biotite schists/gneisses). Small hot spots of more epithermal type alteration produce slighter higher concentrations of gold with associated As, Sb and Ag (such as D573 and D575 from 1999 sampling).

082M/H

VAVENBY EAST TARGET AREA

RAFT

FOREST



Vavenby 23 km

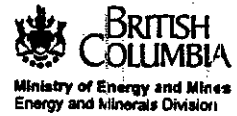
Vavenby 40

LIH 0057

35 36

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, pages 6 and 7.



Information on this form is confidential subject to the provisions of the Freedom of Information Act.

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Name DAVID BENNETT Reference Number \_\_\_\_\_

LOCATION/COMMODITIES

Project Area (as listed in Part A) ADAMS LAKE NE. MINFILE No. if applicable \_\_\_\_\_

Location of Project Area NTS O82M/6 + O82M/11 Lat 51°25' to 51°32' N Long 119°00' to 119°15' W.

Description of Location and Access From Vancouver take the Reg Christie/Adams R. logging main to the Adams River valley. Cross the Adams River at the bridge just N. of Adams lake and continue west along the Harbour L. forest service road for about 20 to 30 km to the two main target areas of Meadow Creek and

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6) Ceyenne Creek - M.Sc. Geol. Engineering - over 30 years prospecting in B.C.

Main Commodities Searched For Intrusion related gold, W. skarn, carbonate hosted zinc

Known Mineral Occurrences in Project Area Uranium occurrence located 10 km N just west of Dodgean L. and a Beryllium occurs 15 km NE in the headwaters of Sunset Creek.

**WORK PERFORMED**

1. Conventional Prospecting (area) 40 sq. km.
2. Geological Mapping (hectares/scale) 30 sq. km @ 1:50,000 scale.
3. Geochemical (type and no. of samples) 5 rock, 7 silt, 21 till samples
4. Geophysical (type and line km) \_\_\_\_\_
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no. holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

**Best Discovery**  
Project/Claim Name \_\_\_\_\_ Commodities \_\_\_\_\_

Location (show on map) Lat. \_\_\_\_\_ Long \_\_\_\_\_ Elevation \_\_\_\_\_

Best assay/sample type NO SIGNIFICANT RESULTS - highest sample was B 24 - HT1 (10 ppb Au)

Description of mineralization, host rocks, anomalies \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**FEEDBACK:** comments and suggestions for Prospector Assistance Program \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**D. TECHNICAL REPORT (continued)**

**REPORT ON RESULTS**

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- Supporting data must be submitted with the following **TECHNICAL REPORT** or any report accepted in lieu of.

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

Name DAVID BENNETT Reference Number \_\_\_\_\_

**1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]**

Main target areas are immediately north of the small lake 4 km north of Tsikwushum Lake (82M/6) bounded on the north by Harbour Lake forest service road and on the East by Meadow Creek. Second area is 4 to 10 km East of Meadow Creek in the headwaters of Cayenne Creek (SE corner of 82M/11).

**2. PROGRAM OBJECTIVE [Include original exploration target.]**

Primary targets in this area were to follow up on W-Au-As anomalies in RGS silt data where the anomalies are associated with previously mapped granitic intrusions to look for intrusion related gold, possible tungsten skarns and ~~and~~ carbonate hosted zone in Shuswap Complex metamorphic rocks.

**3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]**

The only significant mineralization occurs in <sup>the Meadow Creek</sup> area ~~area~~ where strong sulfide mineralization occurs in biotite schists/gneisses in close proximity (within three km) of the contact of a leucogranite with pegmatite dykes. Within the metamorphic rocks there is a section with abundant white marble float that is weakly skarned. With ice direction running roughly N-S and W-Au anomaly occurring in Meadow Creek tributaries immediately South of the area, the potential exists for a W-Au skarn or possibly carbonate hosted zinc deposit in the mineralized metamorphic rocks.

D. TECHNICAL REPORT (continued)

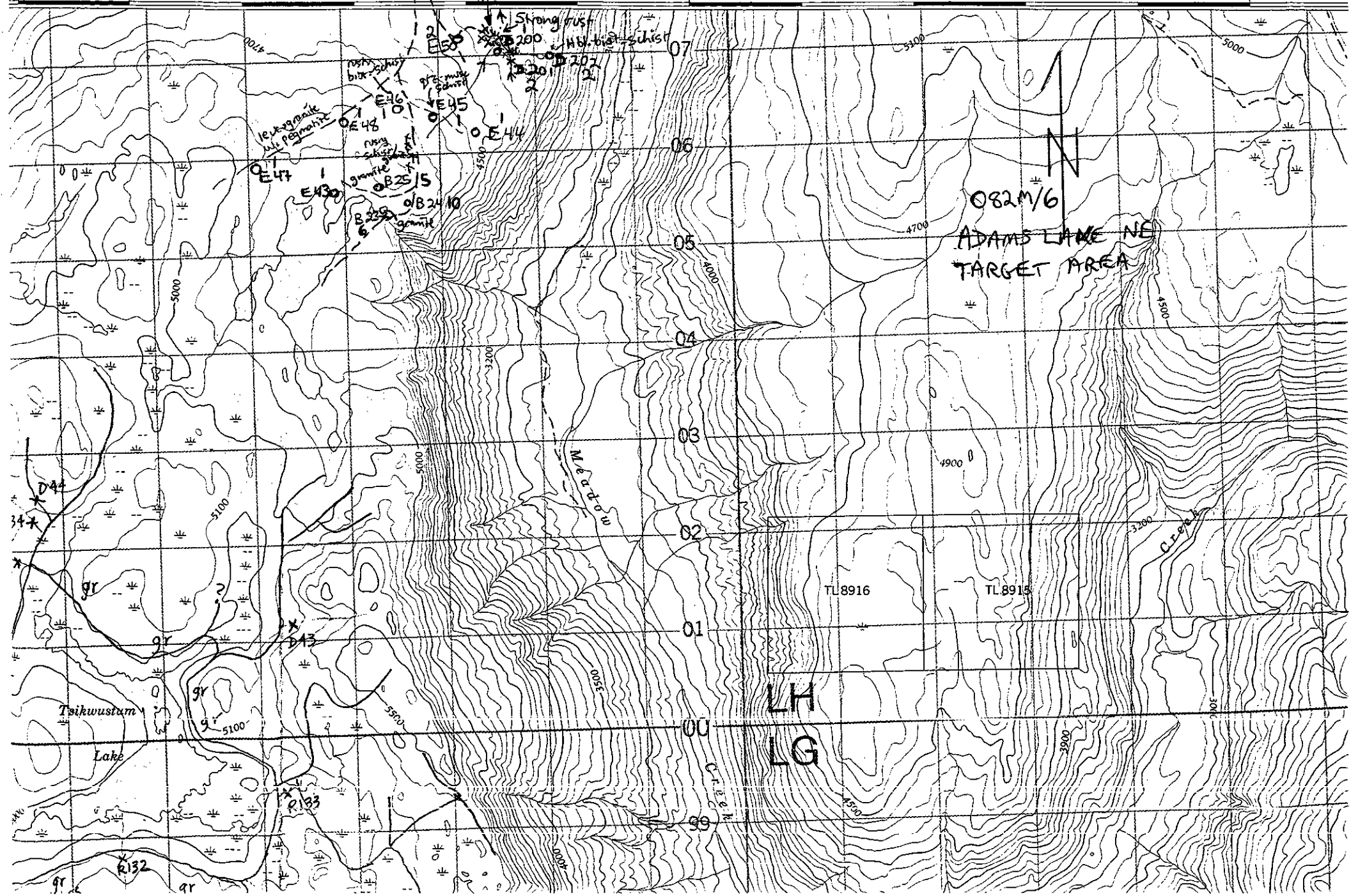


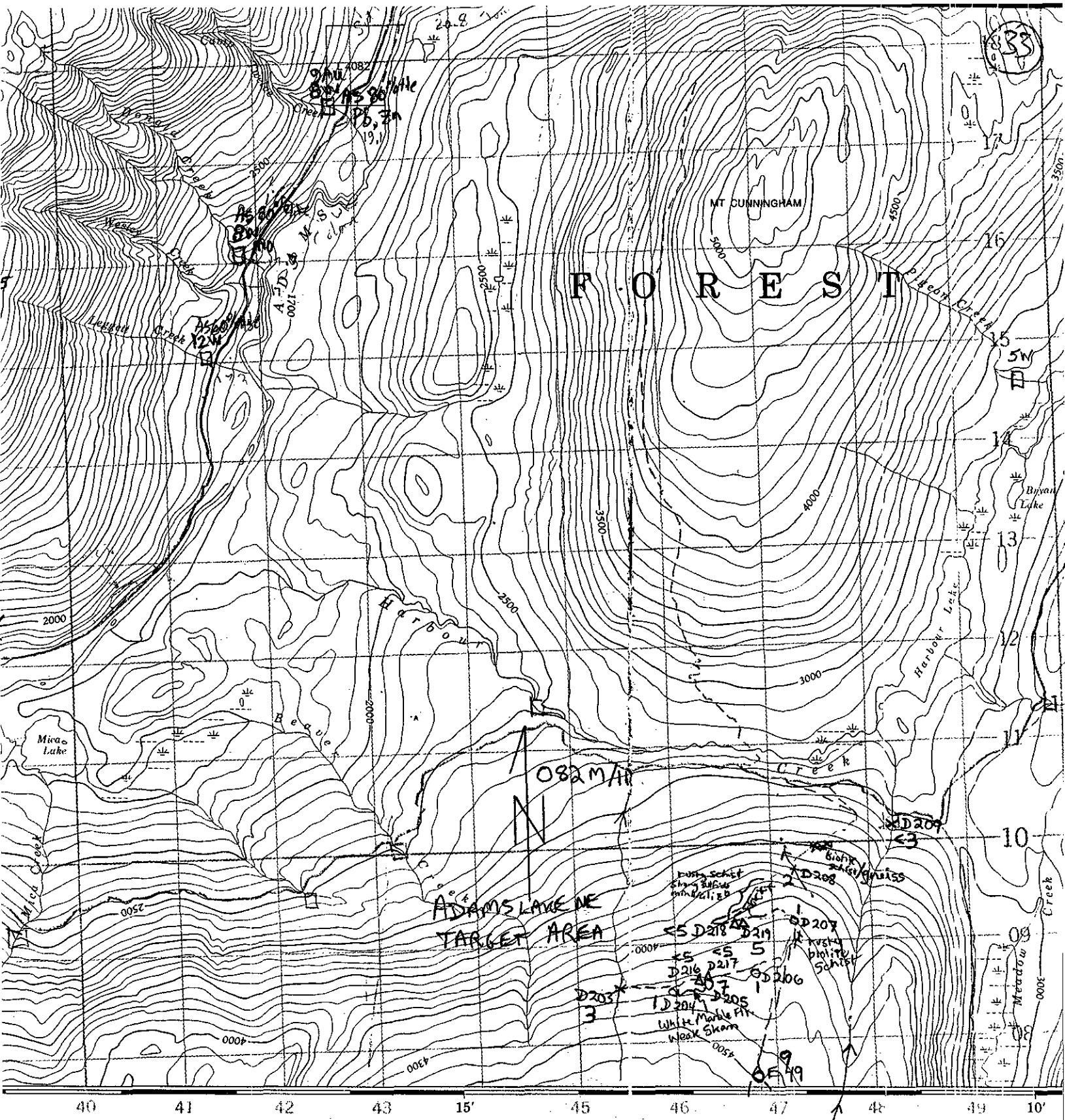
REPORT ON RESULTS (continued)

4. GEOCHEMICAL RESULTS [Describe all survey types done (rock, soil, silt) and their objective. Show clearly on accompanying map(s) of appropriate scale all sample sites along with all significant values. Any anomalous areas should be indicated on maps by the use of contouring, variable symbol sizes, or some other suitable technique. Include a discussion/interpretation of results. A copy of analysis/assay certificates must be included with sample numbers from map. Details of individual rock samples taken are encouraged. Significant geochemical values obtained must be stated.]

The 33 samples collected in this area were all run for Au - only with no significant anomalies occurring. The geological potential in the Meadow Creek area combined with the W-Au RGS anomaly make it advisable to run the silts and tills for multielement to look for other indicator elements such as W-Bi-As-Sb-Zn-Cu.

43 15' 45 46 47 48 49 50 51 52 53 54 55 05' 56

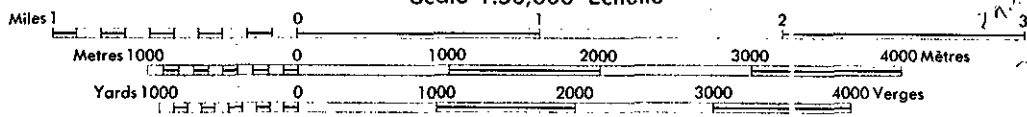
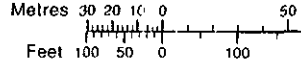




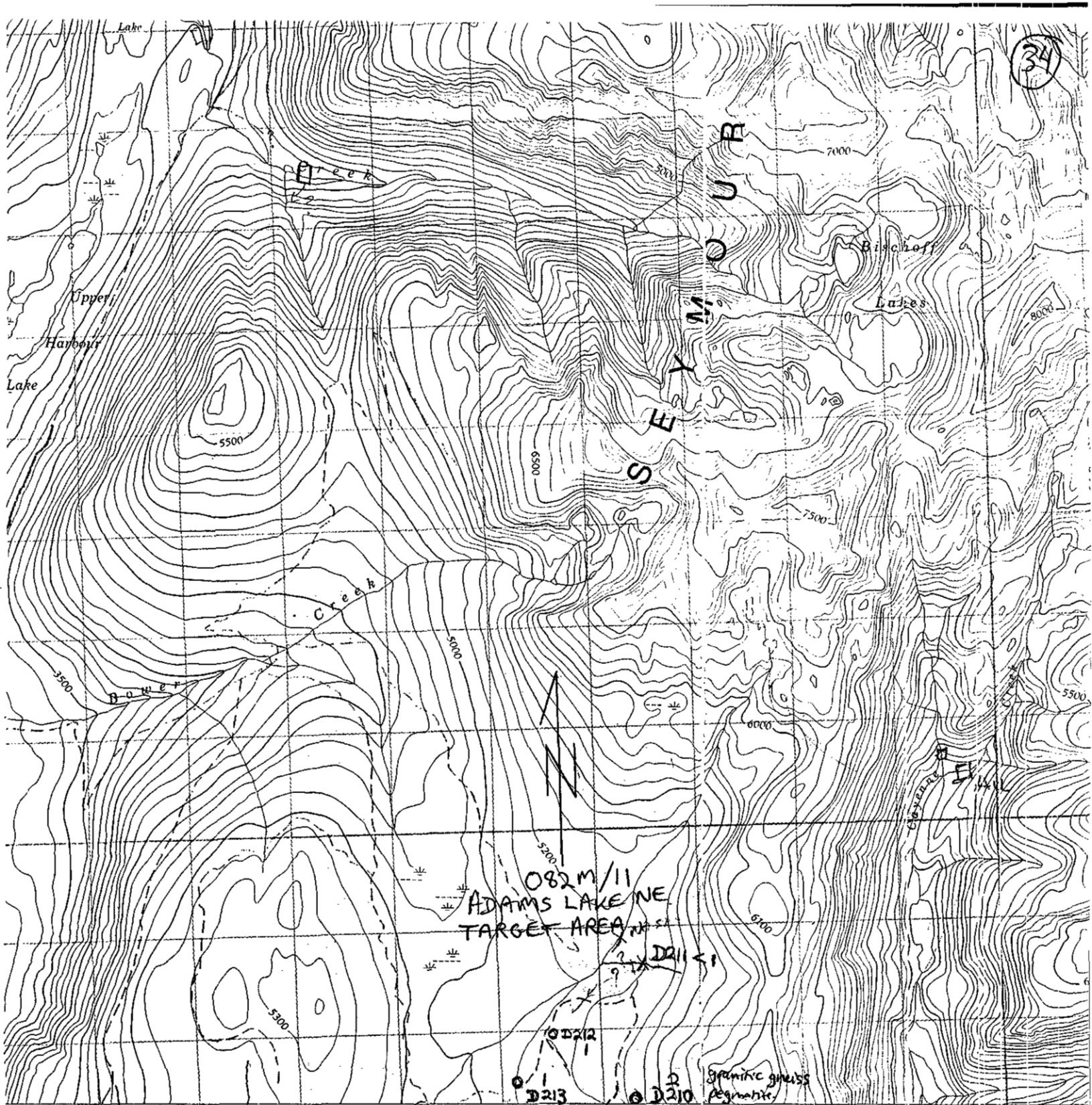
**ADAMS RIVER**  
 KAMLOOPS DIVISION OF YALE LAND DISTRICT  
 BRITISH COLUMBIA  
 WEST OF SIXTH MERIDIAN - OUEST DU SIXIÈME MÉRIDIEN  
 Scale 1:50,000 Échelle

Information concerning location and precise marks can be obtained by writing to the Geomatics and Mapping Branch, Ottawa.

CONVERSION SCALE FOR



CONTOUR INTERVAL 100  
 Elevations in Feet: above Mean Sea Level  
 North American Datum 1983  
 Transverse Mercator Projection



51 52 53 54 55 05' 56 57 58 59 1:50,000 M.L.

1 gneiss pegmatite D215  
D214

On peut obtenir des renseignements sur le lieu et l'altitude exacte des repères de nivellement en écrivant aux Levés géodésiques, Direction des levés et de la cartographie, Ottawa.

ELEVATIONS ÉCHELLE DE CONVERSION DES ALTITUDES

100	150	200	250	300
300	400	500	600	700
800	900	1000		

Mètres  
Pieds

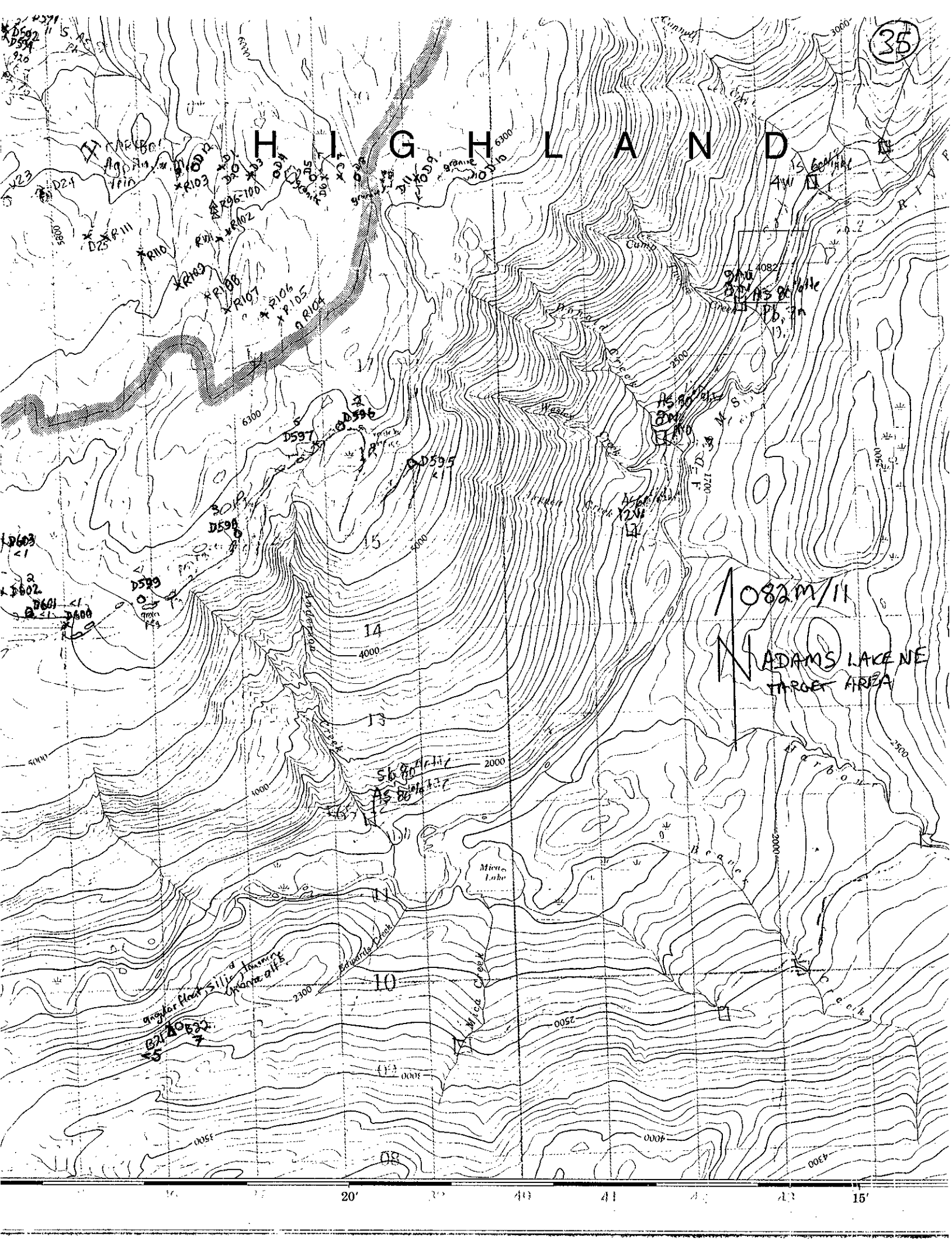
ÉQUIDISTANCE DES COURBES 100 PIEDS  
Altitudes en pieds  
Système de référence géodésique nord-américain, 1927  
Projection transverse de Mercator

Établie par la DIRECTION DES LEVÉS ET DE  
LE MINISTÈRE DE L'ÉNERGIE, DES MINES ET  
DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises  
pour des ouvrages en 1978. Renseignements à jour en 1979.

Ces cartes sont en vente au Bureau des Cartes du Canada,  
Ministère de l'Énergie, des Mines et des Ressources,  
ou chez le vendeur le plus près.

© 1979. Sa Majesté La Reine du Chef du Canada.  
Ministère de l'Énergie, des Mines et des Ressources

# HIGHLAND



1082M/11  
 ADAMS LAKE NE  
 TARGET AREA

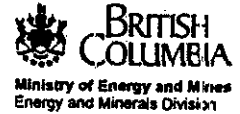
angular Plant Sills  
 of Immature  
 Ontonagon affs

Mittu Lahu

Mica Creek

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, pages 6 and 7.



Information on this form is confidential subject to the provisions of the Freedom of Information Act.

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Name DAVID BENNETT Reference Number \_\_\_\_\_

LOCATION/COMMODITIES

Project Area (as listed in Part A) BLUE RIVER MINFILE No. if applicable \_\_\_\_\_

Location of Project Area NTS NTS 83D/3 Lat 52°00' to 52°09'N Long 119°00' to 119°20'W

Description of Location and Access Area prospected is accessed via old logging roads on the East side of the N. Thompson River immediately East of Blue River, BC. From Mud Lake south to the south edge of NTS 83D/3. The logging road main branches off of hwy. 5 at the bridge 10km south of Blue River.

Prospecting Assistant(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)  
M.Sc. Geol. Engineering - over 30 years experience prospecting in B.C.

Main Commodities Searched For Intrusion related Au, massive sulfide, epithermal Au,

Known Mineral Occurrences in Project Area Several Carbonatite showings in the Blue River area.

**WORK PERFORMED**

1. Conventional Prospecting (area) 50 sq. km.
2. Geological Mapping (hectares/scale) 50 sq. km 1:50,000 scale.
3. Geochemical (type and no. of samples) 9 silts
4. Geophysical (type and line km) \_\_\_\_\_
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no. holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

Best Discovery

Project/Claim Name \_\_\_\_\_ Commodities \_\_\_\_\_

Location (show on map) Lat. \_\_\_\_\_ Long \_\_\_\_\_ Elevation \_\_\_\_\_

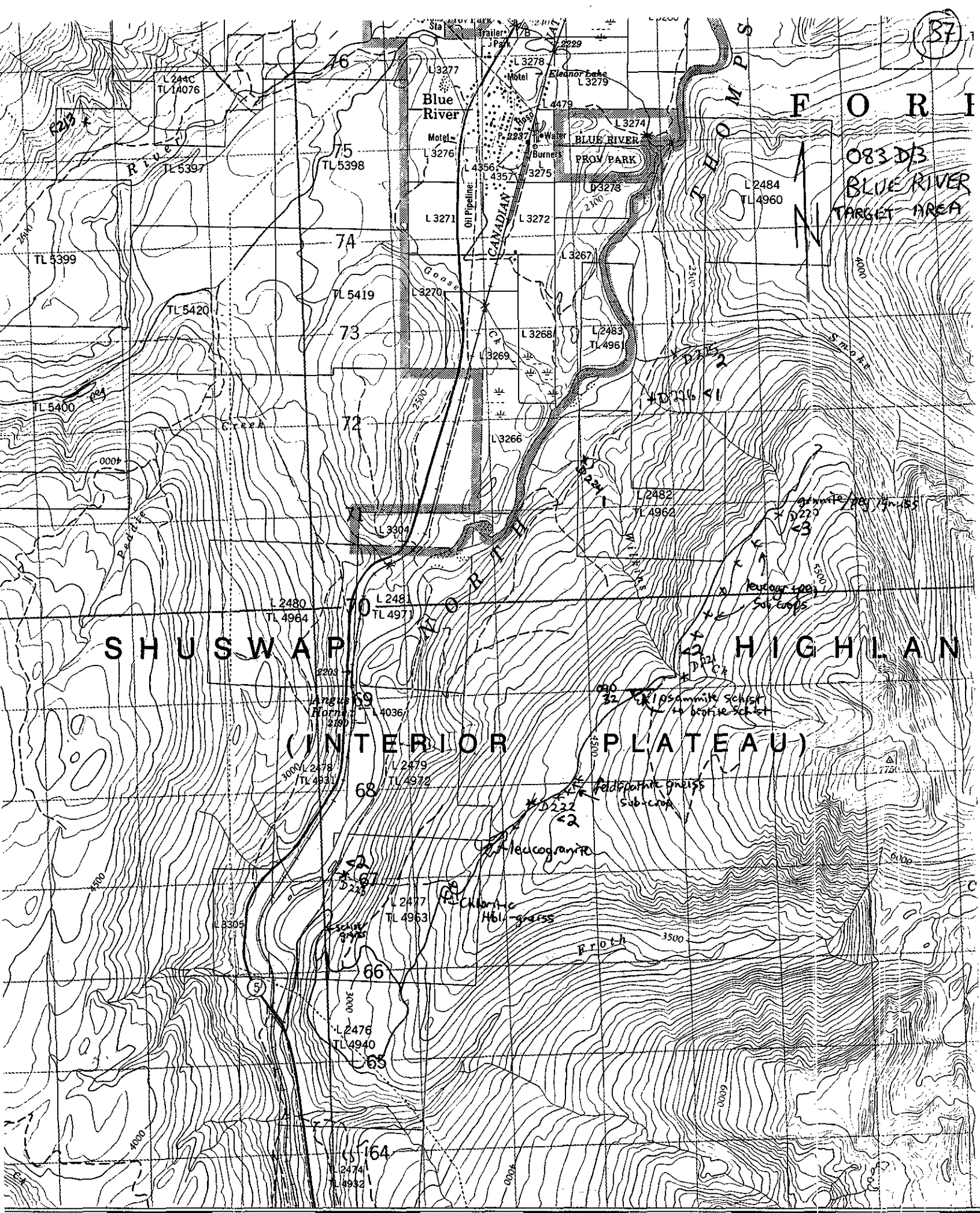
Best assay/sample type \_\_\_\_\_

Description of mineralization, host rocks, anomalies NO SIGNIFICANT RESULTS.

The objective of this program was to obtain new information to start to build a silt geochem data base for an area with potential for economic Au and massive sulfide mineralization. The sampling results were not anomalous for Au and no significant mineralization was discovered in an area underlain predominantly by granites and granitic gneisses with varying amounts of quartz-muscovite pegmatite.

FEEDBACK: comments and suggestions for Prospector Assistance Program \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

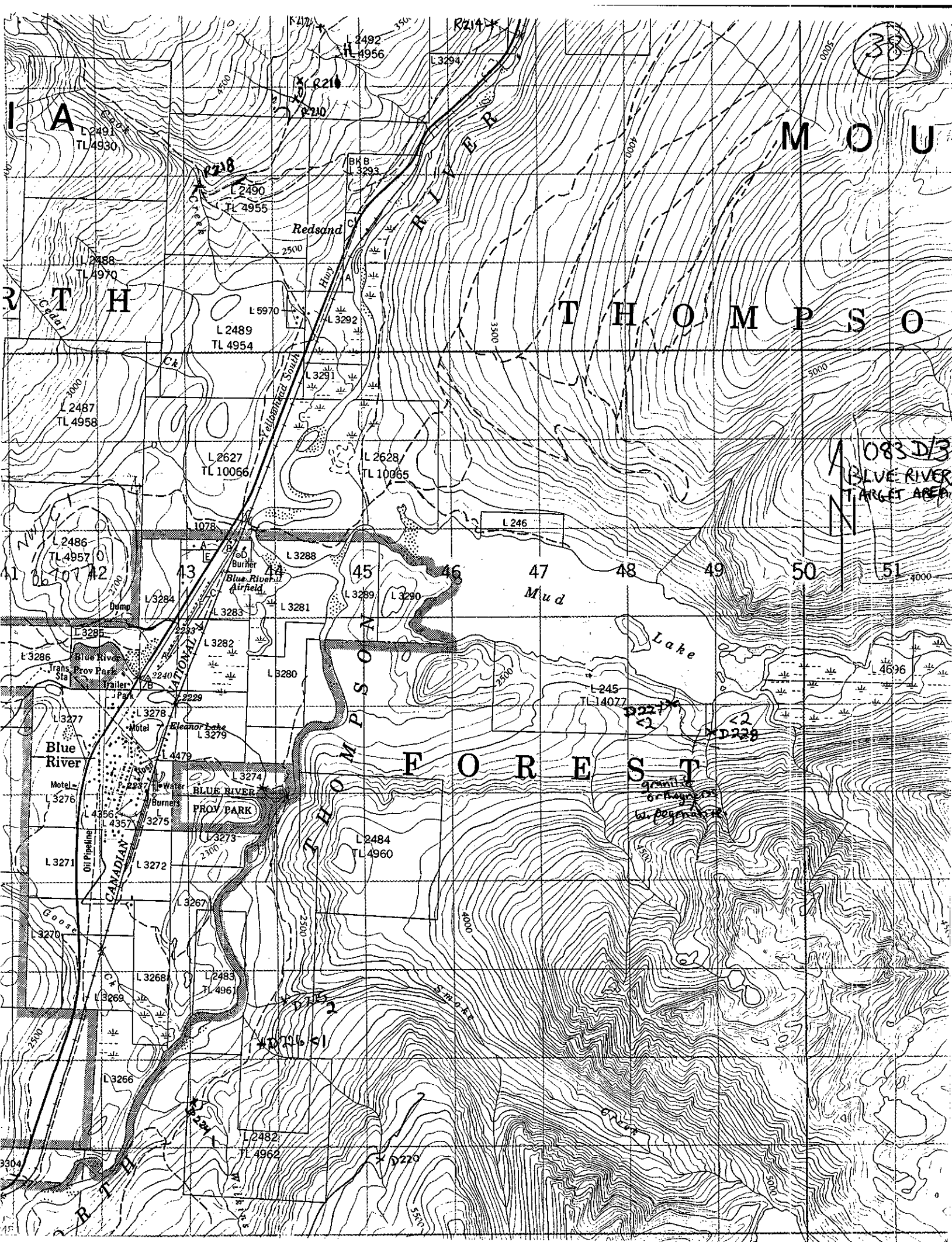


# SHUSWAP INTERIOR PLATEAU

## (INTERIOR PLATEAU)

083 DB  
BLUE RIVER  
TARGET AREA



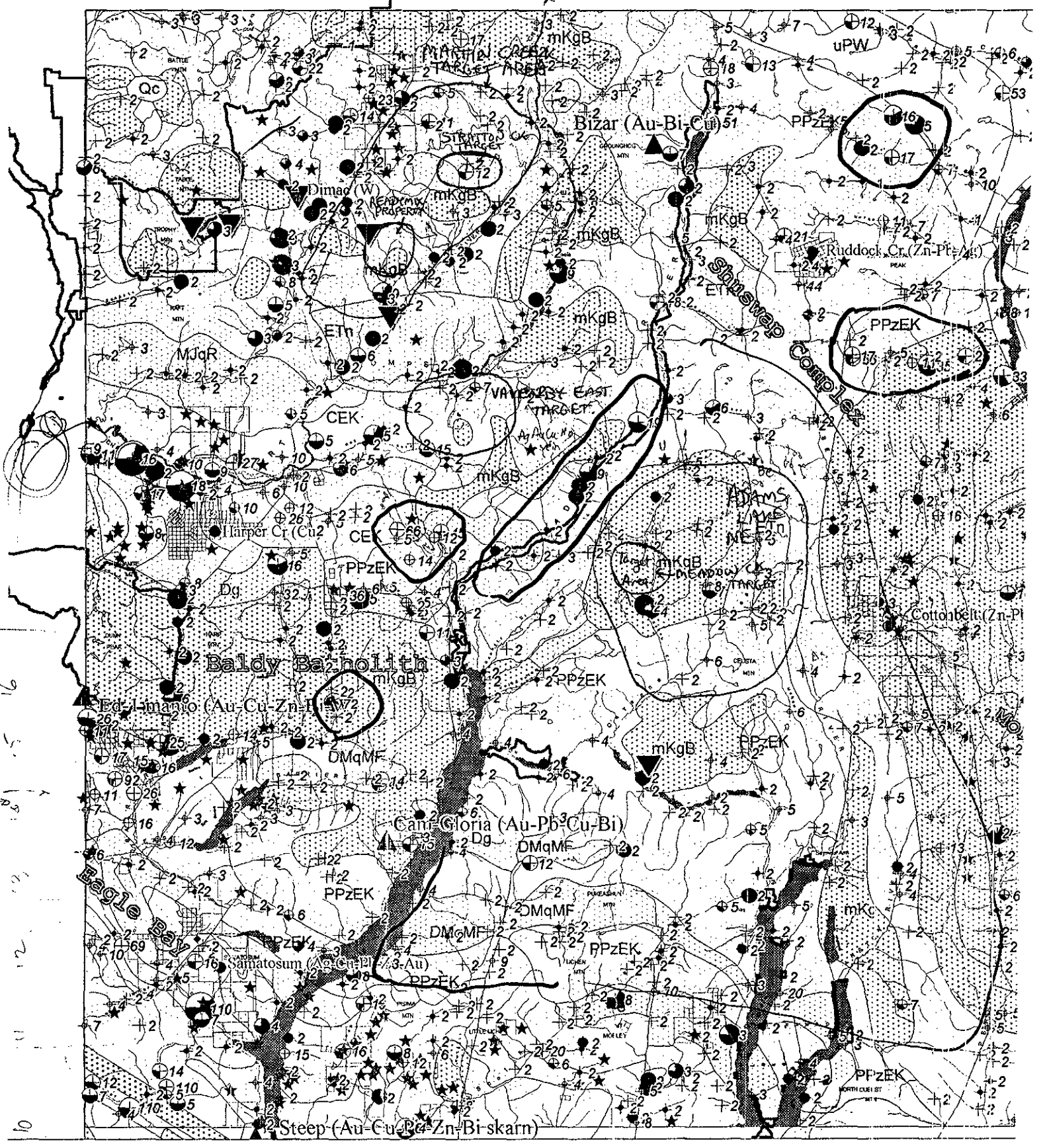


083 D/3  
BLUE RIVER  
TARGET AREA

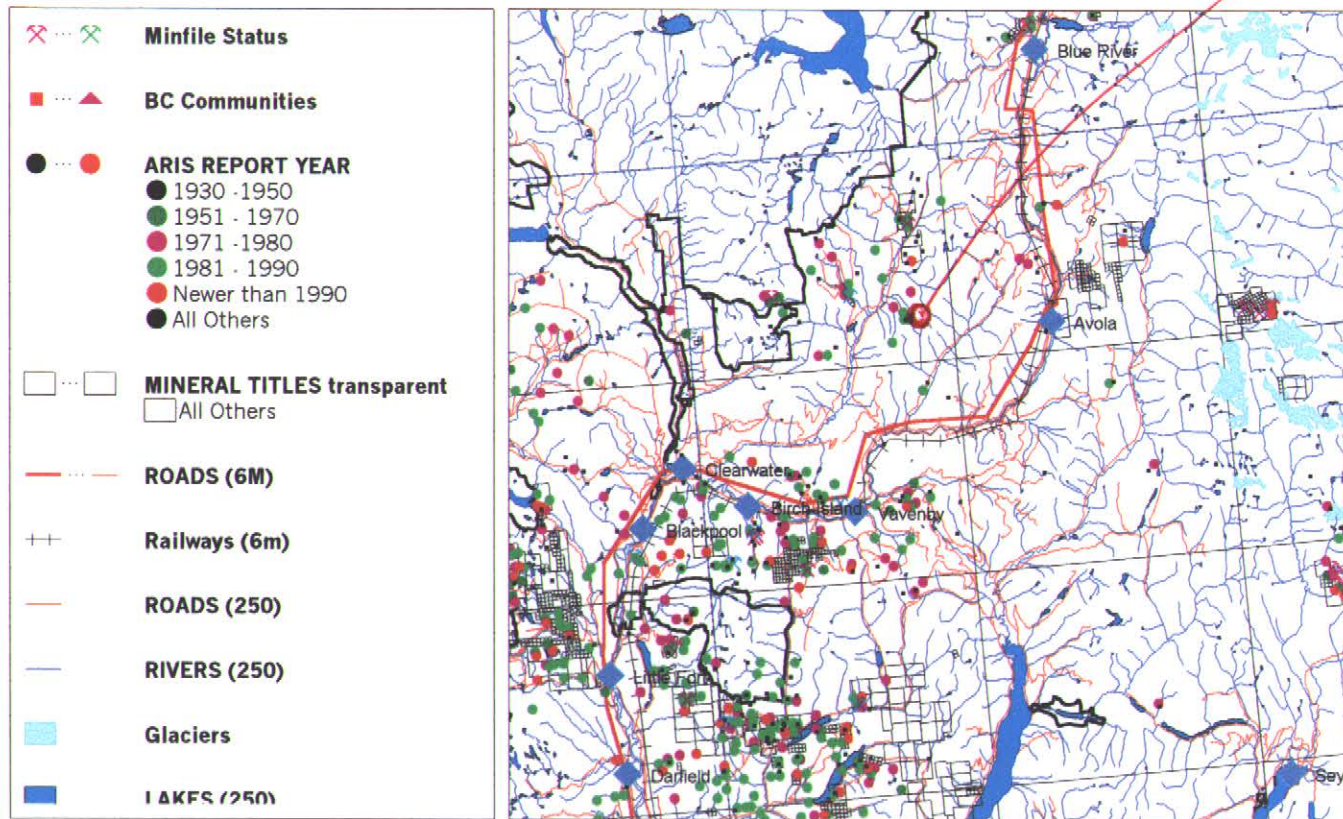
granite  
or heavy ss  
w/ pegmatite



# Compilation of Intrusion-Related Gold Indicators for 82

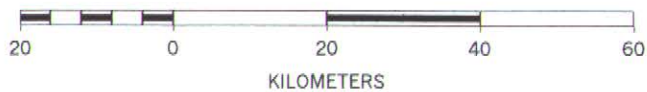


# Location - READYMIX Mineral Claim

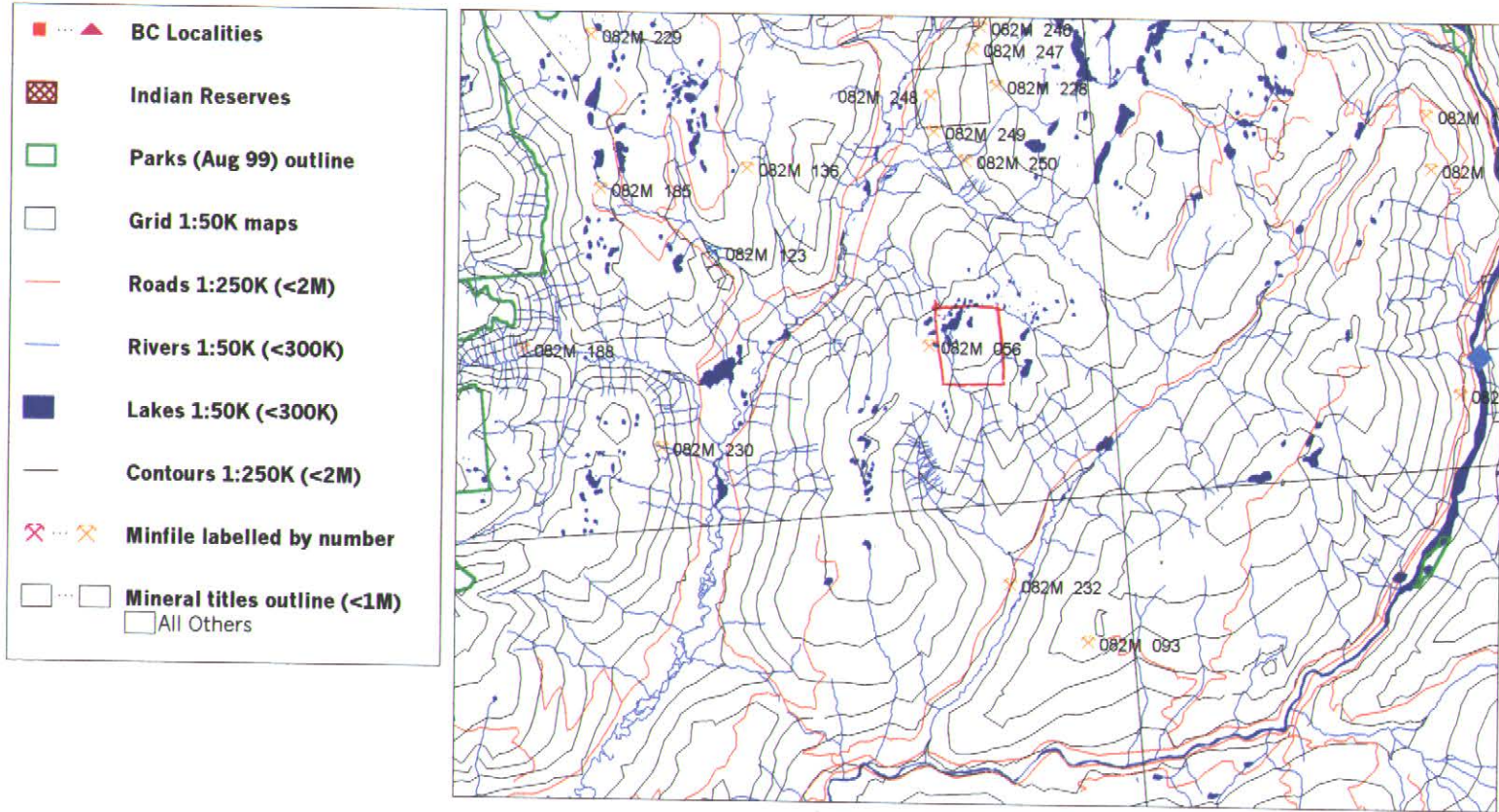


PROPERTY

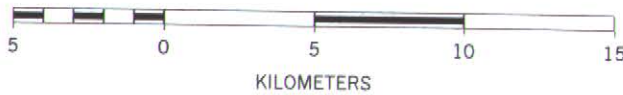
SCALE 1 : 981,608



# READYMIX - Work History



SCALE 1 : 251,189



## READIMIX MINERAL PROPERTY

**TITLE.** READIMIX. Record No.381074. 20 units. Kamloops Mining Division. Record Date Sept 23/2000. Owner Gordon G Richards. Also five additional claims the READIMIX 1,3,4,5 & 6 - RECORD DATES JANUARY 4&5/2001. Owner David R. Bennett.

**LOCATION.** 082 M/13E. Headwaters Martin Creek at elevation 5000 to 5600 feet on plateau between Mad and Raft Rivers 36 km northeast of Clearwater B.C. on Highway 5, North Thompson River.

**ACCESS.** Easy access from Highway 5 using 25 km of BCFS logging roads. Exit Highway 5 on Mad River Main and branch off on Martin Main logging roads.

**PHYSIOGRAPHY.** Area is timbered although recent logging has created logging slash over much of the northwest half of the property. Secondary logging roads off of Martin Main provide excellent access through this part of the property and open mature timber provides easy traverse access through the rest of the property. The area is used for cattle grazing during summer months. Wells Grey Park lies 20-km northwest of the property. All land between this park and Highway 5 has been extensively logged from centers at Clearwater, Vavenby, Avola and Blue River. A major highway, CNR railroad and BC Hydro transmission and gas lines lie along the North Thompson Valley 10 km south of the property.

**CAPSULE GEOLOGY.** Refer to Geology Figure. Quartzofeldspathic gneiss with a highly variable color index made up of variable biotite and hornblende contents and minor garnet has been intruded by variable composition intrusions and quartz-feldspar pegmatite dykes. Contacts are often diffuse. These rocks belong to the Shuswap Metamorphic Complex.

Younger metamorphic rocks of the Eagle Bay Formation of the Kootenay Terrain outcrop to the northeast of the Shuswap rocks. Float of slabby, fairly clean, cream-colored quartzite occurs as shown in the south half of the area. Float of schists with quite variable mineralogy occurs to the north of the quartzite. Near vertical east-west foliation attitudes occur throughout the claim but change to nearly flat attitudes north of the claim.

Pegmatite float is rare within the area underlain by Eagle Bay schists and none of the few outcrops seen contained pegmatite. The contact between the Shuswap and Eagle Bay rocks appears as shown in a northwesterly attitude.

Three intrusive rock types are shown on the figure. Unit 1 is a granodiorite to quartz monz as described by GSC. Unit 2 is a fine grained leucocratic granite with 3 % hornblende and minor biotite occurring as small bodies as shown. Unit 3 is a muscovite granite described by Newmont personnel in AR 14,233 as a dyke controlling a tungsten skarn drilled by Newmont 300 m west of R499.

**MINERALIZATION.** Three pieces of angular float yielded high gold values as follows:

- D644 yielded 29.350 gm/T Au. A 30 cm long piece of intrusive breccia with fragments of variable composition intrusions, quartz vein material and metamorphics. Blebs of pyrite were present although the sample was deeply leached. Two subparallel hairline quartz veins separated by about one cm extended for five cm across two or three fragments and intervening finely ground matrix.
- A74 yielded 9,540 ppb Au. A 20 cm long piece of quartz with high sulfide including 3 cm wide band with >60% pyrite. Breccia like surface may be concretionary.
- R116 yielded 13.150 gm/T Au. A 15-cm wide piece of quartz with highly leached sulfide. Original sulfide content 10 to 15 %.

A small outcrop ( 5 m long ) sampled by R112 to 115 was sericite altered leucogranite with local brecciation like D644 except for only minor sulfide content. Samples were weakly anomalous for gold.

Angular rubble at C174 along the main road north of the claim was rusty quartzite with drusy quartz crystals along open spaces partly filled with quartz. This till sample was the only one anomalous for gold along this road.

In the southwest corner of the geology figure near till sample E65 ( 95ppb Au) outcrops and rubble of skarn-like mineralization of pyroxene and garnet with only minor sulfide were common.

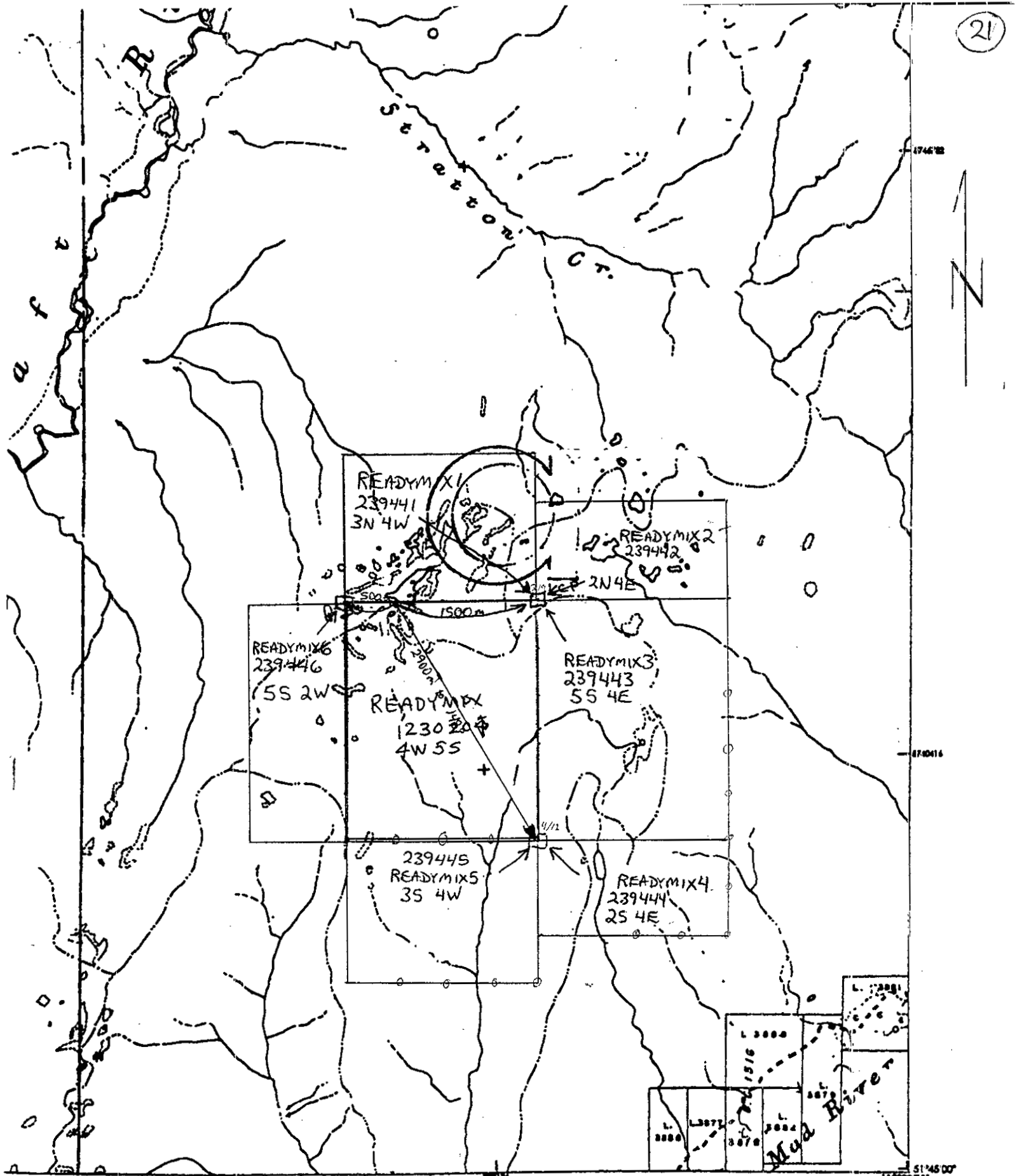
Elsewhere on the property sulfide content was variable. Quartzite contained none to minor sulfide, intrusions none except at R112 as described above and the Eagle Bay schists generally less than 1% except within hornfels located adjacent to a granodiorite situated along the contact with Shuswap rocks and within schists along the eastern limit of mapping. Outcrop is rare within the anomalous gold geochem pattern described below.

**GEOCHEMISTRY.** Till samples anomalous for gold cover a large area over the claim and adjacent ground. Ice direction is from the north. Tills as seen along road cuts and creek banks are generally one to four meters deep but deeper sections were occasionally seen.

74<sup>th</sup> and 82<sup>nd</sup> percentile values for gold were taken from a GSB till survey open file 1997-9 over similar geological terrain to the south on 82M/4&5. 500 till samples form the basis of that report.

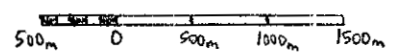
Rock sample D644 which ran 29.350gm/T Au was also highly anomalous for many other elements – 128.0 ppm Sb; 1165 ppm As; 8.00 ppm Bi; 5020 ppm Pb; 202 gm/T Ag. For this reason seven tills anomalous for gold, A218 to A224, were analyzed by ICP – Mass Spec to test for anomalous values of other elements. These samples were in general anomalous for As, Bi and W with a few anomalous values for Sb and Pb. See attached.

**SUMMARY.** Granodiorite, quartz monzonite and granite stocks and dykes have intruded Shuswap gneisses and Eagle Bay schists and quartzites. Pegmatite dykes cut the Shuswap gneisses. Widely spaced till samples indicate anomalous gold over an area three km by three km. Selective analyses of seven of these till samples also indicate anomalous values for As, Bi and W and some Sb and Pb. Several tungsten skarns, Dimac, Mar and TU, occur in the area, with the TU skarn 800 m west of the claim. Float of intrusive breccia assayed 29.350 gm/T Au and 202 gm/T Ag. Two pieces of high sulfide quartz float assayed 13.150 gm/T Au and 9540 ppb Au. Outcrop is rare within the target area though till is, in general, believed be less than four meters. Detailed geochemical sampling, float and bedrock mapping and geophysical surveys are required prior to drilling.



821A 13E

SCALE 1:50,000

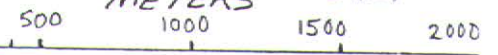




GEOLOGY

1:25,000 METERS

Dec/2000

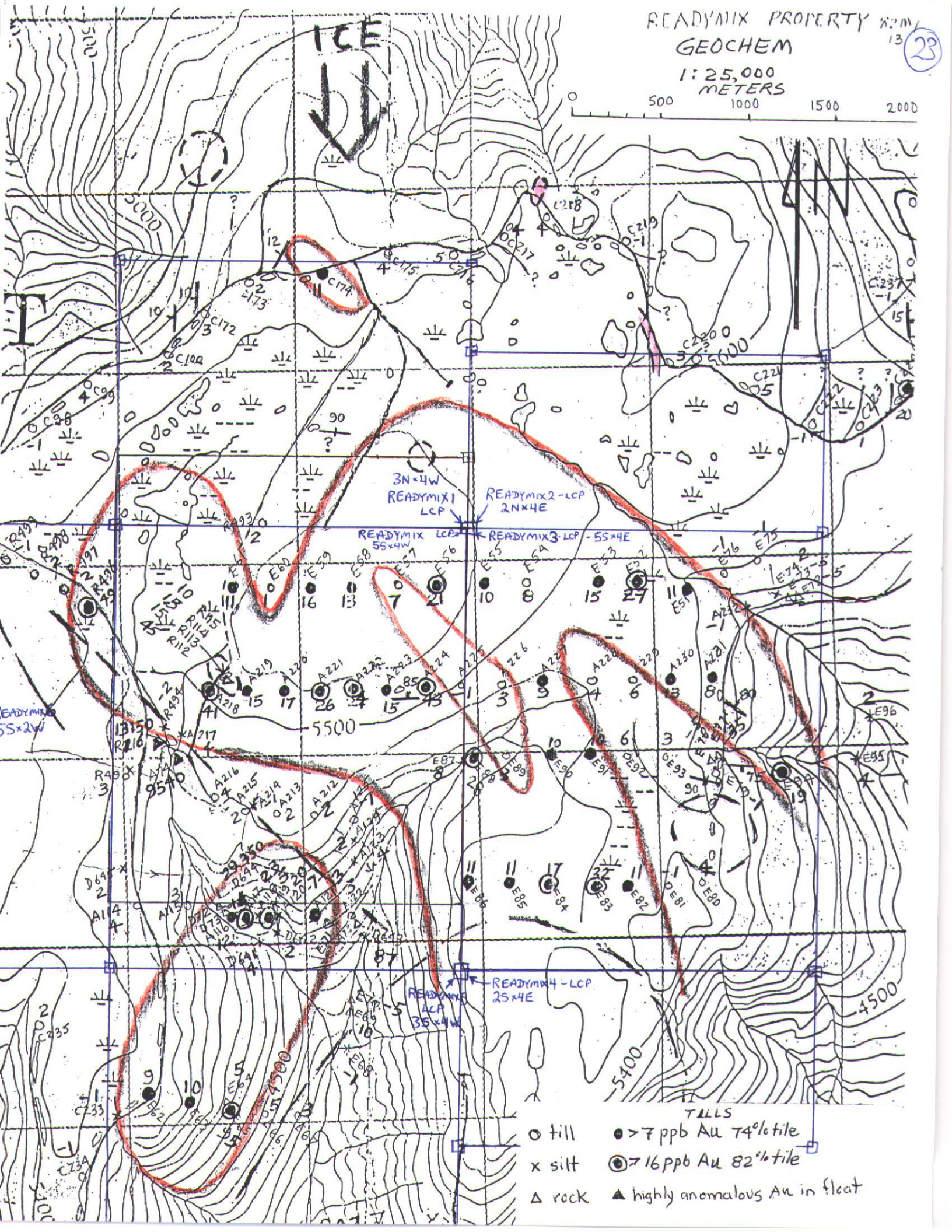
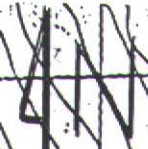


- 5 Eagle Bay Gp  
qtzite in south  
schists in north
- 4 Shuswap Form  
qtz-fspar gneiss  
cut by granitic  
+ peg dykes
- 3 musc. granite  
from AR 14,233
- 2 f.g. leucocratic gran.  
3% hbd
- 1 Gd + Qtz MORZ  
contact from GSC

1:25,000  
METERS

0 500 1000 1500 2000

ICE  
↓  
↓



TILLS

- till
- > 7 ppb Au 74% till
- x silt
- ⊙ > 16 ppb Au 82% till
- △ rock
- ▲ highly anomalous Au in float

24



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page Number :1-A  
 Total Pages :1  
 Certificate Date: 21-NOV-2000  
 Invoice No. : I0033845  
 P.O. Number :  
 Account : NDJ

Project: MARTIN  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS A0033845

SAMPLE	PREP CODE	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
A 218	244 --	2.64	1.35	80.9	120.8	1.00	0.58	10	0.19	0.26	59	24.2	50.8	7.80	0.05	4.81	30.2	36.4	1.46	780
A 219	244 --	2.58	0.40	25.4	85.4	0.85	0.54	10	0.12	0.07	52	13.6	41.0	7.55	0.05	3.95	33.6	20.8	1.17	550
A 220	244 --	2.31	0.20	7.3	68.6	0.75	0.42	10	0.22	0.06	50	11.0	27.4	7.35	0.05	4.23	31.6	15.6	0.99	465
A 221	244 --	2.95	0.35	74.8	100.2	1.35	0.70	10	0.15	0.10	73	19.7	49.8	9.30	0.10	4.78	26.0	20.6	1.27	655
A 222	244 --	2.18	0.30	7.4	56.0	0.65	0.58	10	0.31	0.03	54	10.3	32.6	8.15	0.05	4.30	20.4	17.8	0.87	560
A 223	244 --	2.85	0.20	19.4	68.4	1.10	0.48	10	0.34	0.05	68	15.8	52.3	8.65	0.05	4.51	22.2	20.2	1.30	495
A 224	244 --	3.30	0.20	14.6	84.2	1.55	0.65	< 10	0.33	0.04	61	18.3	77.6	9.65	0.05	4.41	19.0	52.8	1.01	650



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page Number :1-B  
 Total Pages :1  
 Certificate Date: 21-NOV-2000  
 Invoice No. : I0033845  
 P.O. Number :  
 Account : NDJ

Project: MARTIN  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS A0033845

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Tl %	W ppm	U ppm	V ppm	Zn ppm
A 218	244 --	0.05	1.55	41.5	1310	0.18	5.9	0.8	0.19	0.02	15.0	0.02	0.08	0.18	0.10	2.60	2.05	77	112
A 219	244 --	0.03	0.95	30.5	390	0.17	3.5	< 0.2	0.11	0.01	6.8	0.02	0.07	0.16	0.06	1.50	1.65	47	100
A 220	244 --	0.07	1.15	24.5	930	0.15	2.0	0.4	0.15	0.01	6.6	0.04	0.05	0.12	0.05	0.40	1.20	46	86
A 221	244 --	0.04	1.70	39.5	520	0.19	3.6	0.8	0.23	0.01	11.6	0.03	0.08	0.18	0.07	0.90	2.30	62	122
A 222	244 --	0.06	1.55	23.5	600	0.09	1.7	0.4	0.17	0.01	4.4	0.04	0.06	0.12	0.05	0.20	1.20	47	82
A 223	244 --	0.06	1.80	45.0	460	0.14	2.7	0.6	0.15	0.01	6.2	0.03	0.07	0.16	0.05	0.25	1.35	55	128
A 224	244 --	0.06	1.65	46.0	520	0.16	2.7	< 0.2	0.44	0.01	7.2	0.04	0.07	0.18	0.05	0.95	2.10	52	132



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: MARTIN  
 Comments: ATTN: GORDON RICHARDS

Page: 1 of 1  
 Total Pages: 1  
 Certificate Date: 25-AUG-2000  
 Invoice No.: I0026153  
 P.O. Number:  
 Account: NDJ

## CERTIFICATE OF ANALYSIS

### A0026153

SAMPLE	PREP CODE	Au ppb FA+AA										
A 72	205 226	< 5										
A 75	205 226	< 5										
C 228	205 226	< 5										
C 229	205 226	< 5										
C 230	205 226	5										
C 231	205 226	< 5										
C 232	205 226	< 5										
C 236	205 226	< 5										
C 240	205 226	< 5										
C 242	205 226	< 5										
C 246	205 226	140										
C 247	205 226	350										
E 64	205 226	5										
E 69	205 226	10										
E 70	205 226	< 5										
E 71	205 226	< 5										
E 72	205 226	< 5										
E 73	205 226	< 5										
E 77	205 226	35										
E 78	205 226	< 5										

CERTIFICATION:



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

A0026161

Comments: ATTN: GORDON RICHARDS

<b>CERTIFICATE</b>	<b>A0026161</b>
--------------------	-----------------

(NDJ) - RICHARDS, GORDON

Project: MARTIN  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 25-AUG-2000.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
216	94	sieve to -150 mesh
202	94	save reject

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3993	94	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project : MARTIN  
 Comments: ATTN: GORDON RICHARDS

Page : 1  
 Total Pages : 3  
 Certificate Date: 25-AUG-2000  
 Invoice No. : I0026161  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

### A0026161

SAMPLE	PREP CODE	Au ppb EXT-AA										
A 114	216 202	4										
A 115	216 202	3										
A 116	216 202	12										
A 117	216 202	23										
A 119	216 202	20										
A 121	216 202	13										
A 122	216 202	5										
A 125	216 202	< 1										
A 212	216 202	2										
A 213	216 202	2										
A 215	216 202	2										
A 216	216 202	4										
A 218	216 202	41										
A 219	216 202	15										
A 220	216 202	17										
A 221	216 202	26										
A 222	216 202	24										
A 223	216 202	15										
A 224	216 202	43										
A 225	216 202	< 1										
A 226	216 202	3										
A 227	216 202	9										
A 228	216 202	4										
A 229	216 202	6										
A 230	216 202	13										
A 231	216 202	8										
B 1	216 202	< 1										
B 2	216 202	< 1										
B 3	216 202	< 1										
B 4	216 202	17										
B 5	216 202	< 1										
B 6	216 202	< 1										
B 7	216 202	2										
C 97	216 202	< 1										
C 98	216 202	< 1										
C 99	216 202	4										
C 100	216 202	2										
C 172	216 202	3										
C 173	216 202	2										
C 174	216 202	11										

CERTIFICATION:



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: MARTIN  
 Comments: ATTN: GORDON RICHARDS

Page: 1 of 2  
 Total Pages: 3  
 Certificate Date: 25-AUG-2000  
 Invoice No.: I0026161  
 P.O. Number:  
 Account: NDJ

## CERTIFICATE OF ANALYSIS

A0026161

SAMPLE	PREP CODE	Au ppb EXT-AA										
C 175	216 202	4										
C 176	-- --	Not Recd										
C 216	216 202	5										
C 217	216 202	4										
C 218	216 202	4										
C 219	216 202	< 1										
C 220	216 202	3										
C 221	216 202	5										
C 222	216 202	< 1										
C 223	216 202	1										
C 224	216 202	20										
C 225	216 202	2										
C 234	216 202	< 1										
C 235	216 202	2										
C 238	216 202	< 1										
C 239	216 202	3										
C 241	216 202	< 1										
C 243	216 202	< 1										
C 244	216 202	< 1										
C 245	216 202	< 1										
C 248	216 202	5										
C 249	216 202	< 1										
E 51	216 202	11										
E 52	216 202	27										
E 53	216 202	15										
E 54	216 202	8										
E 55	216 202	10										
E 56	216 202	21										
E 57	216 202	7										
E 58	216 202	13										
E 59	216 202	16										
E 60	216 202	1										
E 61	216 202	11										
E 62	216 202	9										
E 63	216 202	10										
E 65	216 202	94										
E 66	216 202	5										
E 67	216 202	3										
E 75	216 202	< 1										
E 76	216 202	< 1										

CERTIFICATION:



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: MARTIN  
 Comments: ATTN: GORDON RICHARDS

Page 1 of 3  
 Total Pages :3  
 Certificate Date: 25-AUG-2000  
 Invoice No. : I0026161  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

A0026161

SAMPLE	PREP CODE	Au ppb EXT-AA									
E 79	216 202	< 1									
E 80	216 202	4									
E 81	216 202	< 1									
E 82	216 202	11									
E 83	216 202	32									
E 84	216 202	17									
E 85	216 202	11									
E 86	216 202	11									
E 88	216 202	28									
E 89	216 202	3									
E 90	216 202	10									
E 91	216 202	10									
E 92	216 202	6									
E 93	216 202	3									
E 94	216 202	19									

CERTIFICATION:





# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

A0026145

Comments: ATTN: GORDON RICHARDS

CERTIFICATE

A0026145

(NDJ) - RICHARDS, GORDON

Project: MARTIN  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 28-AUG-2000.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	20	Dry, sieve to -80 mesh save reject
202	20	

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3993	20	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000
9201	20	Al %: ICP + ICP-MS package	ICP	0.01	15.00
9202	20	Sb ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
9203	20	As ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
9204	20	Ba ppm: ICP + ICP-MS package	ICP	10	10000
9205	20	Be ppm: ICP + ICP-MS package	ICP	0.05	100.0
9206	20	Bi ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
9235	20	B ppm: ICP + ICP-MS package	ICP	10	10000
9207	20	Cd ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	500
9208	20	Ca %: ICP + ICP-MS package	ICP	0.01	15.00
9209	20	Cr ppm: ICP + ICP-MS package	ICP	1	10000
9210	20	Co ppm: ICP + ICP-MS package	ICP	0.2	10000
9211	20	Cu ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
9212	20	Ga ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
9213	20	Ge ppm: ICP + ICP-MS package	ICP-MS	0.1	500
9214	20	Fe %: ICP + ICP-MS package	ICP	0.01	15.00
9215	20	La ppm: ICP + ICP-MS package	ICP	10	10000
9216	20	Pb ppm: ICP + ICP-MS package	ICP	2	10000
9217	20	Mg %: ICP + ICP-MS package	ICP	0.01	15.00
9218	20	Mn ppm: ICP + ICP-MS package	ICP	5	10000
9219	20	Hg ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
9220	20	Mo ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
9221	20	Ni ppm: ICP + ICP-MS package	ICP	1	10000
9222	20	P ppm: ICP + ICP-MS package	ICP	10	10000
9223	20	K %: ICP + ICP-MS package	ICP	0.01	10.00
9224	20	Sc ppm: ICP + ICP-MS package	ICP	1	10000
9237	20	Se ppm: ICP + ICP-MS package	ICP-MS	0.5	1000
9225	20	Ag ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	100.0
9226	20	Na %: ICP + ICP-MS package	ICP	0.01	10.00
9227	20	Sr ppm: ICP + ICP-MS package	ICP	1	10000
9236	20	S %: ICP + ICP-MS package	ICP	0.01	5.00
9228	20	Te ppm: ICP + ICP-MS package	ICP-MS	0.05	500
9229	20	Tl ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	10000
9230	20	Ti %: ICP + ICP-MS package	ICP	0.01	10.00
9231	20	W ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
9232	20	U ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
9233	20	V ppm: ICP + ICP-MS package	ICP	1	10000
9234	20	Zn ppm: ICP + ICP-MS package	ICP	2	10000



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: MARTIN  
 Comments: ATTN: GORDON RICHARDS

Page Number: 1-A  
 Total Pages: 1  
 Certificate Date: 28-AUG-2000  
 Invoice No.: I0026145  
 P.O. Number:  
 Account: NDJ

## CERTIFICATE OF ANALYSIS A0026145

SAMPLE	PREP CODE	Au ppb EXT-AA	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %
A 118	201 202	5	1.26	0.1	8.6	100	0.65	0.28	< 10	0.18	0.35	31	12.6	18.4	4.3	< 0.1	2.55	10	6	0.64
A 120	201 202	7	1.76	0.3	23.0	110	0.55	0.30	< 10	0.24	0.39	47	18.2	26.6	6.1	< 0.1	3.58	10	14	0.98
A 123	201 202	4	1.67	< 0.1	6.0	100	0.95	0.23	< 10	0.22	0.29	36	11.0	17.0	5.8	< 0.1	2.76	10	6	0.65
A 124	201 202	2	1.89	0.1	7.8	110	1.15	0.36	< 10	0.24	0.19	37	13.0	25.6	6.2	< 0.1	2.69	10	12	0.62
A 214	201 202	< 1	1.87	0.1	7.0	150	0.95	0.22	< 10	0.74	0.53	42	38.6	13.8	6.5	< 0.1	3.70	10	10	1.01
A 217	201 202	4	1.92	0.5	55.6	180	1.20	0.17	< 10	1.38	0.35	47	64.4	16.2	6.8	< 0.1	4.63	< 10	12	1.05
A 232	201 202	< 1	1.31	< 0.1	5.0	100	1.15	0.19	< 10	0.42	0.24	30	23.6	14.0	4.6	< 0.1	3.31	< 10	10	0.57
B 8	201 202	< 1	1.46	< 0.1	1.0	100	3.15	0.14	< 10	0.28	0.34	15	7.0	14.4	4.5	0.1	1.80	40	6	0.35
B 9	201 202	< 1	1.59	0.1	3.4	300	2.40	0.11	< 10	0.92	0.35	9	25.6	7.6	4.9	< 0.1	4.47	30	4	0.17
B 10	201 202	< 1	1.80	0.1	3.4	100	1.90	0.08	< 10	0.42	0.28	11	16.4	7.2	4.1	< 0.1	3.86	10	10	0.23
C 226	201 202	1	2.19	< 0.1	1.8	110	1.90	1.09	< 10	0.50	0.82	51	17.2	64.8	7.8	< 0.1	3.55	50	14	0.86
C 227	201 202	< 1	1.66	< 0.1	2.8	50	1.95	1.08	< 10	0.46	0.72	60	16.8	143.5	6.7	0.1	3.69	40	14	0.93
C 233	201 202	< 1	1.98	< 0.1	3.0	240	0.80	0.30	< 10	0.26	0.81	25	21.6	13.6	7.2	< 0.1	3.36	30	8	0.91
C 237	201 202	< 1	1.34	0.1	19.6	90	1.50	0.39	< 10	0.52	0.25	33	22.6	33.2	4.3	< 0.1	4.79	10	24	0.52
C 250	201 202	< 1	1.92	0.1	5.2	130	2.85	0.11	< 10	0.52	0.32	15	23.0	10.6	4.8	< 0.1	4.78	30	6	0.35
E 68	201 202	< 1	1.40	< 0.1	2.2	140	0.70	0.18	< 10	0.06	0.60	26	11.2	12.8	5.3	< 0.1	2.49	20	8	0.69
E 74	201 202	2	0.70	< 0.1	0.8	60	0.55	0.12	< 10	0.06	0.16	18	6.6	5.2	3.9	< 0.1	1.14	< 10	10	0.32
E 87	201 202	8	1.52	< 0.1	5.6	120	0.95	0.45	< 10	0.44	0.23	33	44.8	18.2	5.2	< 0.1	4.04	10	22	0.65
E 95	201 202	4	2.10	0.1	12.0	70	1.10	1.17	< 10	0.10	0.26	37	19.8	33.0	6.9	< 0.1	4.11	10	12	0.95
E 96	201 202	2	1.16	< 0.1	3.8	70	0.75	0.27	< 10	0.20	0.20	28	15.2	16.0	4.3	< 0.1	2.59	10	6	0.55

CERTIFICATION:

*Sard / Letna*



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: MARTIN  
 Comments: ATTN: GORDON RICHARDS

Page 1 of 1  
 Total Pages: 1  
 Certificate Date: 28-AUG-2000  
 Invoice No.: I0026145  
 P.O. Number:  
 Account: NDJ

## CERTIFICATE OF ANALYSIS

A0026145

SAMPLE	PREP CODE		Mn	Hg	Mo	Ni	P	K	Sc	Se	Ag	Na	Sr	S	Te	Tl	Ti	W	U	V	Zn
			ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
A 118	201	202	685	0.01	0.8	24	750	0.18	3	< 0.5	0.14	0.01	22	0.15	< 0.05	0.18	0.06	0.40	1.60	34	76
A 120	201	202	855	0.01	2.4	33	850	0.20	4	< 0.5	0.26	0.01	23	0.01	< 0.05	0.20	0.08	0.45	1.55	50	92
A 123	201	202	615	0.05	1.0	25	460	0.14	2	< 0.5	0.18	0.01	26	0.03	< 0.05	0.14	0.05	0.25	1.90	35	82
A 124	201	202	585	0.05	1.0	28	480	0.18	2	< 0.5	0.24	0.01	19	0.03	< 0.05	0.18	0.05	0.40	2.05	37	90
A 214	201	202	3970	0.05	3.0	23	1320	0.10	4	< 0.5	0.22	0.02	39	0.03	< 0.05	0.32	0.08	1.45	2.80	70	102
A 217	201	202	7400	0.04	1.4	42	960	0.11	4	< 0.5	0.22	0.01	27	0.03	< 0.05	0.66	0.08	2.10	1.15	60	166
A 232	201	202	2220	< 0.01	1.4	37	620	0.17	2	< 0.5	0.08	0.01	14	0.07	< 0.05	0.30	0.05	0.25	1.20	27	110
B 8	201	202	1125	0.05	0.8	9	830	0.06	3	< 0.5	0.16	0.01	27	0.05	< 0.05	0.18	0.01	0.15	40.9	29	76
B 9	201	202	9220	0.07	2.4	7	850	0.07	2	< 0.5	0.12	0.01	30	0.06	< 0.05	1.10	0.03	0.15	15.15	39	110
B 10	201	202	2120	0.09	2.4	8	840	0.07	1	< 0.5	0.10	0.01	24	0.08	< 0.05	0.30	0.03	0.10	5.95	41	90
C 226	201	202	1380	0.04	4.6	53	890	0.18	4	0.5	0.40	0.01	66	0.04	< 0.05	0.18	0.04	0.65	24.9	60	122
C 227	201	202	770	0.03	6.2	47	900	0.09	3	1.0	0.32	0.01	38	0.17	0.10	0.10	0.03	0.35	17.55	52	110
C 233	201	202	2750	0.04	3.6	16	1720	0.21	4	< 0.5	0.20	0.02	105	0.04	< 0.05	0.20	0.13	0.65	2.90	73	98
C 237	201	202	1640	0.03	1.0	70	530	0.14	3	< 0.5	0.20	< 0.01	17	0.03	0.05	0.36	0.04	0.20	2.25	29	146
C 250	201	202	5180	0.08	1.8	10	1020	0.08	3	< 0.5	0.12	0.01	23	0.05	< 0.05	0.64	0.03	0.15	9.35	56	92
E 68	201	202	505	0.02	0.8	18	1050	0.22	3	< 0.5	0.10	0.01	55	0.03	< 0.05	0.18	0.08	0.25	2.60	48	58
E 74	201	202	415	0.03	0.2	11	280	0.06	< 1	< 0.5	0.08	0.01	11	0.03	< 0.05	0.08	0.04	0.05	0.60	17	36
E 87	201	202	4460	0.03	2.8	26	500	0.13	3	< 0.5	0.08	0.01	25	0.03	< 0.05	0.30	0.05	0.45	1.10	38	102
E 95	201	202	740	< 0.01	1.2	44	520	0.25	4	< 0.5	0.62	0.01	20	0.05	< 0.05	0.20	0.06	0.10	2.10	33	106
E 96	201	202	1000	0.01	0.8	27	490	0.14	2	< 0.5	0.08	0.01	13	0.03	< 0.05	0.18	0.05	0.10	1.15	26	86

CERTIFICATION:

*Sara L. ...*



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

A0030540

Comments: ATTN: GORDON RICHARDS

**CERTIFICATE**                      **A0030540**

(NDJ) - RICHARDS, GORDON

Project: RAFT  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 12-OCT-2000.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
216	12	sieve to -150 mesh
202	12	save reject

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3993	12	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000

TUCS



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: RAFT  
 Comments: ATTN: GORDON RICHARDS

Page 1 of 1  
 Total Pages : 1  
 Certificate Date: 12-OCT-2000  
 Invoice No. : I0030540  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

### A0030540

SAMPLE	PREP CODE	Au ppb EXT-AA										
B 11	216 202	5										
B 12	216 202	4										
B 15	216 202	4										
B 16	216 202	8										
B 17	216 202	3										
B 31	216 202	13										
B 33	216 202	< 1										
B 34	216 202	1										
B 35	216 202	2										
B 36	216 202	2										
B 37	216 202	< 1										
B 38	216 202	18										

TICS

CERTIFICATION:



# ALS Chemex

Aurora Laboratory Services Ltd.  
Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
VANCOUVER, BC  
V5Z 3N4

A0030541

Comments: ATTN: GORDON RICHARDS

**CERTIFICATE**

**A0030541**

(NDJ) - RICHARDS, GORDON

Project: RAFT  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 12-OCT-2000.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
216	10	sieve to -150 mesh
202	10	save reject

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3993	10	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000

TILUS



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page Number :1  
 Total Pages :1  
 Certificate Date: 12-OCT-2000  
 Invoice No. :10030541  
 P.O. Number :  
 Account :NDJ

Project : RAFT  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS

### A0030541

SAMPLE	PREP CODE		Au ppb EXT-AA									
A 233	216	202	< 1									
A 234	216	202	< 1									
A 237	216	202	4									
A 238	216	202	3									
A 241	216	202	7									
A 243	216	202	< 1									
A 244	216	202	4									
A 248	216	202	3									
A 249	216	202	3									
A 250	216	202	1									

TILLS

CERTIFICATION:

12 Oct 2000



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

A0030542

Comments: ATTN: GORDON RICHARDS

**CERTIFICATE**

**A0030542**

(NDJ) - RICHARDS, GORDON

Project: RAFT

P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 12-OCT-2000.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
216	4	sieve to -150 mesh
202	4	save reject

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3993	4	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000

TILLS





# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: RAFT  
 Comments: ATTN: GORDON RICHARDS

Page : 1 of 1  
 Total Pages : 1  
 Certificate Date: 12-OCT-2000  
 Invoice No. : I0030542  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

A0030542

SAMPLE	PREP CODE		Au ppb EXT-AA									
E 97	216	202	3									
E 98	216	202	4									
E 99	216	202	6									
E 100	216	202	7									

TILLS

CERTIFICATION: \_\_\_\_\_



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

A0030543

Comments: ATTN: GORDON RICHARDS

**CERTIFICATE**                      **A0030543**

(NDJ) - RICHARDS, GORDON

Project: RAFT  
 P.O.#:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 12-OCT-2000.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
216	1	sieve to -150 mesh
202	1	save reject

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3993	1	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000

TILLS



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project : RAFT  
 Comments: ATTN: GORDON RICHARDS

Page 1 of 1  
 Total Pages : 1  
 Certificate Date: 12-OCT-2000  
 Invoice No. : I0030543  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

### A0030543

SAMPLE	PREP CODE		Au ppb EXT-AA									
	216	202										
NE 101	216	202	5									

CERTIFICATION:

TULLS

*[Handwritten signature]*



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: RAFT  
 Comments: ATTN: GORDON RICHARDS

Page 1 of 1  
 Total Pages : 1  
 Certificate Date: 12-OCT-2000  
 Invoice No. : I0030555  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

### A0030555

SAMPLE	PREP CODE	Au ppb EXT-AA									
R 104	216 202	< 1									
R 117	216 202	< 1									
R 118	216 202	< 1									
R 123	216 202	6									
R 124	216 202	1									
R 126	216 202	< 1									
R 136	216 202	3									
R 137	216 202	4									
R 138	216 202	3									
R 139	216 202	< 1									
R 140	216 202	< 1									
R 141	216 202	3									
R 142	216 202	4									
R 143	216 202	1									
R 144	216 202	< 1									
R 145	216 202	< 1									
R 146	216 202	< 1									
R 147	216 202	3									
R 149	216 202	< 1									

TILLI

CERTIFICATION: \_\_\_\_\_



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: RAFT  
 Comments: ATTN: GORDON RICHARDS

Page Number : 1  
 Total Pages : 1  
 Certificate Date: 18-OCT-2000  
 Invoice No. : I0030556  
 P.O. Number :  
 Account : NDJ

<b>CERTIFICATE OF ANALYSIS</b>	<b>A0030556</b>
--------------------------------	-----------------

SAMPLE	PREP CODE	Au ppb EXT-AA								
D 18	216 202	4								
D 19	216 202	2								
D 20	216 202	< 3								
D 21	216 202	3								
D 22	-- --	not/ss								
D 23	216 202	10								
D 24	216 202	1								
D 61	216 202	< 1								

TILLS

CERTIFICATION: +



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: RAFT  
 Comments: ATTN: GORDON RICHARDS

Page Number: 1  
 Total Pages: 1  
 Certificate Date: 12-OCT-2000  
 Invoice No.: I0030557  
 P.O. Number:  
 Account: NDJ

## CERTIFICATE OF ANALYSIS

### A0030557

SAMPLE	PREP CODE		Au ppb EXT-AA									
R 120	216	202	< 1									

TILLS

CERTIFICATION: \_\_\_\_\_

Handwritten initials/signature



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page 1 of 1  
 Total Pages : 2  
 Certificate Date: 12-OCT-2000  
 Invoice No. : I0030558  
 P.O. Number :  
 Account : NDJ

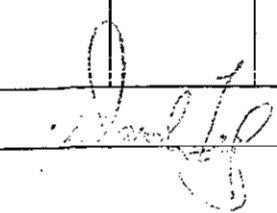
Project : RAFT  
 Comments : ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS

A0030558

SAMPLE	PREP CODE	Au ppb EXT-AA										
D 2	216 202	< 1										
D 4	216 202	3										
D 5	216 202	< 1										
D 8	216 202	< 1										
D 9	216 202	< 1										
D 10	216 202	6										
D 12	216 202	< 1										
D 15	---	NotRcd										
D 16	---	NotRcd										
D 17	---	NotRcd										
D 26	---	NotRcd										
D 27	---	NotRcd										
D 28	---	NotRcd										
D 29	---	NotRcd										
D 32	216 202	< 1										
D 34	216 202	8										
D 47	216 202	< 1										
D 48	216 202	2										
D 49	216 202	< 1										
D 50	216 202	< 1										
D 54	216 202	< 1										
D 55	216 202	< 1										
D 56	216 202	< 1										
D 57	216 202	< 1										
D 58	216 202	1										
D 59	216 202	< 1										
D 60	216 202	< 1										
D 63	216 202	1										
D 64	216 202	< 1										
D 65	216 202	< 1										
D 67	216 202	< 1										
D 68	216 202	< 1										
D 69	216 202	< 1										
D 72	216 202	1										
D 73	216 202	< 1										
D 77	216 202	< 1										
D 78	216 202	< 1										
D 80	216 202	< 1										
D 82	216 202	< 1										
D 83	216 202	1										

TUCS

CERTIFICATION: 



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: RAFT  
 Comments: ATTN: GORDON RICHARDS

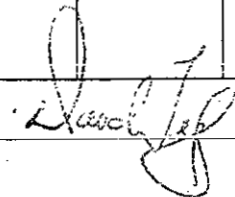
Page : 2  
 Total Pages : 2  
 Certificate Date: 12-OCT-2000  
 Invoice No. : I0030558  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

### A0030558

SAMPLE	PREP CODE		Au ppb									
			EXT-AA									
D 85	216	202	< 1									
D 86	216	202	< 1									

TILLS

CERTIFICATION: 





# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page Number : 1  
 Total Pages : 1  
 Certificate Date: 05-OCT-2000  
 Invoice No. : I0030492  
 P.O. Number :  
 Account : NDJ

Project :

Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS

A0030492

SAMPLE	PREP CODE		Au ppb RUSH	Au FA g/t								
D14	--	--	NotRed	NotRed								
R112	255	295	45	-----								
R113	255	295	15	-----								
R114	255	295	15	-----								
R115	255	295	10	-----								
R116	255	295	>10000	13.15								

CERTIFICATION:

*Lawrence J.*

PT



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page . . . . . : 1  
 Total Pages : 1  
 Certificate Date: 11-OCT-2000  
 Invoice No. : I0030544  
 P.O. Number :  
 Account : NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

<b>CERTIFICATE OF ANALYSIS</b>	<b>A0030544</b>
--------------------------------	-----------------

SAMPLE	PREP CODE	Au ppb FA+AA								
D 30	205 226	< 5								
D 31	205 226	35								
D 37	205 226	15								
D 62	205 226	< 5								

RX

CERTIFICATION:



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project:  
 Comments: ATTN: GORDON RICHARDS

Page : 1 of 1  
 Total Pages : 1  
 Certificate Date: 11-OCT-2000  
 Invoice No. : I0030545  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

A0030545

SAMPLE	PREP CODE		Au ppb FA+AA									
B 14	205	226	< 5									
B 18	205	226	< 5									
B 19	205	226	< 5									
B 20	205	226	< 5									
B 30	205	226	< 5									
B 32	205	226	30									

CERTIFICATION

RX



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

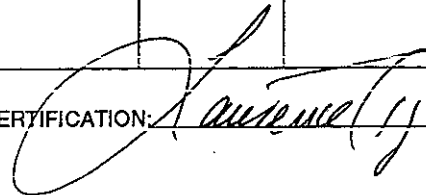
Page : 1  
 Total Pages : 1  
 Certificate Date: 11-OCT-2000  
 Invoice No. : I0030546  
 P.O. Number :  
 Account : NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS

### A0030546

SAMPLE	PREP CODE		Au ppb									
			FA+AA									
R 96	205	226	35									
R 97	205	226	95									
R 98	205	226	35									
R 99	205	226	15									
R 100	205	226	10									
R 125	205	226	< 5									

CERTIFICATION: 

RX



# ALS Chemex

Aurora Laboratory Services Ltd.  
Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
VANCOUVER, BC  
V5Z 3N4

Project :  
Comments: ATTN: GORDON RICHARDS

Page : 1  
Total Pages : 1  
Certificate Date: 11-OCT-2000  
Invoice No. : 10030547  
P.O. Number :  
Account : NDJ

## CERTIFICATE OF ANALYSIS

A0030547

SAMPLE	PREP CODE		Au ppb FA+AA									
A 239	205	226	< 5									

RX

CERTIFICATION:



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page 1 of 1  
 Total Pages : 1  
 Certificate Date: 17-OCT-2000  
 Invoice No. : I0030549  
 P.O. Number :  
 Account : NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS

A0030549

SAMPLE	PREP CODE	Au ppb EXT-AA	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %
R 101	201 202	12	1.61	0.55	7.8	203.8	0.85	0.17	< 10	0.40	0.41	19	15.3	13.8	4.80	0.05	2.24	16.8	15.8	0.47
R 102	201 202	< 2	1.75	0.15	3.6	176.8	0.80	0.16	< 10	0.46	0.40	17	10.6	12.0	5.20	< 0.05	2.04	14.6	11.2	0.42
R 103	201 202	< 6	1.67	0.25	5.0	131.6	1.05	0.17	< 10	0.38	0.41	17	12.2	10.2	4.35	< 0.05	2.02	17.6	9.6	0.36
R 105	201 202	6	0.98	0.05	1.5	91.0	0.45	0.10	< 10	0.28	0.22	11	6.5	7.0	3.45	< 0.05	1.03	8.0	12.2	0.23
R 106	201 202	< 1	0.31	0.05	1.6	14.8	0.05	0.06	< 10	0.02	0.07	4	1.4	3.2	1.80	< 0.05	0.61	2.0	8.4	0.06
R 107	201 202	8	1.40	0.70	8.1	135.2	0.65	0.15	< 10	0.53	0.32	15	11.0	16.4	4.55	< 0.05	1.95	16.6	12.4	0.34
R 108	201 202	6	1.54	0.20	3.7	144.4	0.40	0.15	< 10	0.46	0.30	17	20.5	9.8	4.80	< 0.05	1.89	13.2	22.8	0.37
R 109	201 202	< 3	1.90	0.15	2.6	83.6	1.00	0.15	< 10	0.30	0.15	14	17.6	13.2	5.15	< 0.05	1.56	13.4	12.0	0.27
R 110	201 202	3	1.45	0.15	3.8	131.6	0.90	0.14	< 10	0.25	0.49	17	7.7	10.8	4.25	< 0.05	1.96	20.2	11.8	0.37
R 111	201 202	2	1.69	0.05	1.7	106.4	0.55	0.08	< 10	0.13	0.22	23	6.0	11.8	4.20	< 0.05	1.10	18.4	7.0	0.33
R 119	201 202	6	2.08	0.10	3.5	120.8	1.60	9.06	< 10	0.46	0.74	18	10.9	8.8	6.65	0.05	2.37	45.2	17.8	0.46
R 121	201 202	12	1.01	0.05	1.2	115.4	1.00	0.28	< 10	0.34	0.50	13	5.0	6.4	3.30	0.05	2.00	68.8	11.0	0.21
R 122	201 202	14	1.58	0.45	5.5	265.6	1.45	0.40	< 10	0.20	0.44	25	19.5	42.0	4.80	0.05	4.29	47.6	20.8	0.41
R 127	201 202	2	1.81	< 0.05	0.6	169.8	1.20	0.10	< 10	0.21	0.34	14	8.3	9.6	5.45	< 0.05	1.67	21.0	6.0	0.34
R 128	201 202	4	1.63	0.05	1.1	133.6	1.50	0.09	< 10	0.38	0.40	9	9.1	10.2	4.45	< 0.05	1.45	17.4	10.8	0.23
R 129	201 202	1	1.62	< 0.05	0.7	117.4	1.30	0.10	< 10	0.25	0.25	9	14.1	8.2	5.00	< 0.05	1.64	13.6	6.4	0.19
R 130	201 202	12	1.96	< 0.05	0.8	148.4	1.05	0.09	< 10	0.18	0.44	20	8.1	13.2	6.10	< 0.05	1.88	21.0	8.2	0.43
R 131	201 202	2	2.14	< 0.05	0.7	211.4	1.50	0.12	< 10	0.22	0.44	16	5.6	11.4	5.40	0.05	1.58	24.2	5.6	0.41
R 132	201 202	4	1.59	< 0.05	1.2	139.2	0.80	4.27	< 10	0.21	0.23	14	19.9	9.2	5.35	< 0.05	2.24	15.8	7.2	0.24
R 133	201 202	18	2.48	< 2.00	2.0	510.0	2.50	4.00	< 10	2.50	0.75	16	52.0	13.0	50.00Minr1zd		5.43	30.0	4.0	0.20
R 134	201 202	1	0.97	< 0.05	0.8	64.2	0.30	0.13	< 10	0.05	0.11	11	4.5	8.2	3.15	< 0.05	1.11	10.4	3.4	0.18
R 135	201 202	9	2.95	< 2.00	2.0	600.0	1.50	< 2.00	< 10	1.50	0.71	27	37.0	15.0	40.00Minr1zd		5.72	20.0	8.0	0.41
R 148	201 202	< 6	1.36	< 0.05	1.4	128.8	0.90	0.49	< 10	0.49	0.34	21	21.6	40.4	3.55	< 0.05	2.96	20.0	16.2	0.44
R 150	201 202	2	1.68	0.05	1.2	81.8	1.25	0.32	< 10	0.51	0.17	21	14.6	16.6	3.95	0.05	2.09	20.2	12.4	0.39

CERTIFICATION:

*[Signature]*

SILTS



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page 1 of 1  
 Total Pages : 1  
 Certificate Date: 17-OCT-2000  
 Invoice No. : I0030549  
 P.O. Number :  
 Account : NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS A0030549

SAMPLE	PREP CODE		Mn	Hg	Mo	Ni	P	K	Sc	Se	Ag	Na	Sr	S	Te	Tl	Ti	W	U	V	Zn
			ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
R 101	201	202	2260	0.04	1.65	15.0	1350	0.22	2.2	0.2	0.08	0.01	26.8	0.04	0.04	0.28	0.07	0.20	4.40	37	64
R 102	201	202	1650	0.04	1.90	12.5	1260	0.18	2.0	< 0.2	0.10	0.01	22.0	0.05	0.02	0.22	0.07	0.05	4.10	35	62
R 103	201	202	1945	0.05	2.00	11.5	1230	0.13	1.9	0.2	0.09	0.01	21.2	0.05	0.04	0.22	0.06	0.40	4.90	32	64
R 105	201	202	1070	0.02	2.00	8.0	710	0.07	0.8	0.6	0.08	0.01	15.2	0.05	0.02	0.12	0.05	0.05	2.20	20	30
R 106	201	202	55	< 0.01	0.40	2.5	220	0.01	0.5	< 0.2	0.03	0.01	5.4	0.01	0.01	0.02	0.06	< 0.05	0.95	20	8
R 107	201	202	1710	0.04	1.60	10.5	1060	0.14	1.8	< 0.2	0.09	0.01	18.6	0.04	0.04	0.22	0.06	0.05	4.60	31	48
R 108	201	202	3100	0.05	1.40	12.0	1050	0.16	1.6	< 0.2	0.07	0.01	19.4	0.05	0.01	0.28	0.07	0.15	2.50	37	42
R 109	201	202	3610	0.10	4.10	8.0	920	0.11	0.9	0.2	0.12	0.01	11.8	0.07	0.04	0.34	0.06	0.10	3.80	34	40
R 110	201	202	1285	0.04	1.80	10.5	1600	0.10	1.8	< 0.2	0.09	0.01	26.6	0.05	0.03	0.14	0.06	0.10	6.30	31	54
R 111	201	202	270	0.07	0.75	15.5	1160	0.07	0.8	< 0.2	0.10	0.01	17.6	0.06	0.04	0.08	0.05	0.05	3.30	21	28
R 119	201	202	2810	0.05	6.70	10.0	1580	0.10	2.5	0.2	0.14	0.01	72.9	0.05	0.05	0.22	0.06	1.30	8.30	38	72
R 121	201	202	1485	0.06	4.90	6.0	1600	0.10	1.3	0.4	0.14	0.01	33.0	0.04	0.03	0.16	0.04	0.40	8.75	37	46
R 122	201	202	855	0.02	2.45	40.5	830	0.30	5.1	< 0.2	0.15	0.01	41.2	0.08	0.06	0.26	0.07	0.25	8.90	41	116
R 127	201	202	1210	0.03	1.05	8.0	880	0.18	2.1	0.2	0.09	0.01	31.0	0.04	0.01	0.20	0.08	0.10	7.60	31	58
R 128	201	202	1520	0.07	1.35	7.0	1090	0.10	1.1	0.2	0.11	0.01	31.8	0.07	0.03	0.16	0.05	0.05	5.85	25	66
R 129	201	202	1615	0.05	1.25	6.0	610	0.08	1.3	< 0.2	0.09	0.01	20.8	0.04	0.02	0.14	0.06	0.05	3.90	25	44
R 130	201	202	755	0.04	0.95	12.0	1030	0.22	2.7	< 0.2	0.08	0.01	27.4	0.03	0.03	0.18	0.07	0.15	3.55	30	74
R 131	201	202	500	0.03	0.90	11.5	960	0.15	2.1	< 0.2	0.10	0.02	48.2	0.04	0.03	0.14	0.08	0.05	7.55	33	64
R 132	201	202	2990	0.04	2.55	8.5	710	0.14	1.4	< 0.2	0.09	0.01	17.8	0.02	0.01	0.20	0.05	0.35	2.90	28	46
R 133	201	202	>10000	6.00	3.00	30.0	1010	0.09	1.0	Minrlzd	< 0.20	0.01	63.0	0.07	Minrlzd	20.0	0.04	< 10.00	40.0	29	292
R 134	201	202	295	0.01	0.75	7.5	390	0.09	0.9	0.4	0.05	< 0.01	7.2	0.01	0.03	0.12	0.04	0.15	2.15	14	28
R 135	201	202	>10000	3.00	7.00	44.0	1320	0.14	2.0	Minrlzd	< 0.20	0.02	123.0	0.08	Minrlzd	20.0	0.07	< 10.00	40.0	51	218
R 148	201	202	1855	0.04	3.05	20.5	800	0.19	2.0	0.6	0.17	0.01	20.8	0.18	0.05	0.20	0.05	0.25	6.60	28	94
R 150	201	202	700	0.04	4.05	15.0	530	0.10	1.4	0.2	0.22	< 0.01	12.0	0.06	0.01	0.19	0.05	0.15	9.60	20	76

CERTIFICATION: *[Signature]*

SILTS



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page : 1-A  
 Total Pages : 1  
 Certificate Date: 16-OCT-2000  
 Invoice No. : I0030550  
 P.O. Number :  
 Account : NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS

A0030550

SAMPLE	PREP CODE	Au ppb EXT-AA	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %
A 235	201 202	2	2.62 < 0.05		2.5	51.4	4.25	0.65	10	0.86	0.32	15	129.0	357	4.30	0.15	2.50	122.6	25.0	0.53
A 236	201 202	< 3	1.98 < 0.05		0.8	257.2	0.65	0.20	10	0.29	0.62	75	21.9	35.6	5.10	0.05	3.48	26.8	7.2	0.95
A 240	201 202	< 2	1.68 < 0.05		1.0	227.2	0.55	0.18	10	0.31	0.94	73	20.5	54.4	4.75	0.05	3.04	26.4	8.8	1.04
A 242	201 202	< 6	1.72 < 0.05		0.5	200.8	0.70	0.15	10	0.32	0.83	51	13.0	27.4	4.80	0.05	2.68	27.8	9.0	0.70
A 245	201 202	< 2	1.63 < 0.05		0.7	205.0	1.85	0.16	10	0.18	0.72	25	6.5	22.4	3.90	0.10	2.03	81.0	7.0	0.42
A 246	201 202	4	1.49 < 0.05		1.0	118.4	0.60	0.16	10	0.08	0.29	34	10.3	20.2	4.45	0.05	2.26	23.8	8.6	0.61
A 247	201 202	< 1	2.24 < 0.05		0.9	137.4	1.05	0.24	10	0.12	0.24	30	9.6	18.0	6.40 < 0.05	3.02	19.2	13.0		0.52

CERTIFICATION: \_\_\_\_\_

SILTS





# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page .per :1-B  
 Total Pages :1  
 Certificate Date: 16-OCT-2000  
 Invoice No. :10030550  
 P.O. Number :  
 Account :NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS

A0030550

SAMPLE	PREP CODE		Mn	Hg	Mo	Ni	P	K	Sc	Se	Ag	Na	Sr	S	Te	Tl	Ti	W	U	V	Zn
			ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
A 235	201	202	2510	0.01	2.70	52.4	620	0.07	2.0	< 0.2	0.55	0.01	20.8	0.07	0.05	0.12	0.04	0.35	12.10	21	358
A 236	201	202	1650	0.04	1.65	36.5	1000	0.07	3.5	< 0.2	0.15	0.02	30.6	0.05	0.02	0.10	0.05	0.15	2.20	67	68
A 240	201	202	825	0.02	1.35	40.0	1330	0.11	4.1	< 0.2	0.16	0.02	41.6	0.18	< 0.01	0.08	0.06	0.10	1.15	60	70
A 242	201	202	1230	0.03	1.70	28.5	1160	0.12	3.2	< 0.2	0.11	0.01	40.4	0.04	0.01	0.08	0.04	0.05	5.50	45	64
A 245	201	202	780	0.04	1.15	15.5	860	0.10	2.5	0.2	0.21	0.01	36.4	0.04	< 0.01	0.10	0.04	3.95	18.55	34	48
A 246	201	202	350	0.01	0.75	21.5	830	0.12	2.6	< 0.2	0.08	0.01	14.2	< 0.01	0.01	0.08	0.05	0.10	2.50	36	54
A 247	201	202	560	0.01	0.85	19.0	1130	0.10	3.3	< 0.2	0.10	0.01	14.2	< 0.01	< 0.01	0.10	0.07	0.15	3.35	48	76

CERTIFICATION: \_\_\_\_\_

SILTS



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project :  
 Comments: ATTN: GORDON RICHARDS

Page 1 of 1-1  
 Total Pages : 1  
 Certificate Date: 16-OCT-2000  
 Invoice No. : I0030551  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

A0030551

SAMPLE	PREP CODE	Au ppb EXT-AA	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %
B 13	201 202	4	1.55	0.20	3.5	169.2	0.30	0.12	< 10	0.29	0.54	23	9.7	101.0	3.70	0.05	2.33	27.2	4.8	0.49
B 26	201 202	11	0.74	< 0.05	0.4	50.2	0.40	0.05	< 10	0.06	0.23	6	3.0	4.6	2.05	< 0.05	0.73	13.4	4.0	0.15
B 27	201 202	< 1	1.08	< 0.05	0.5	58.2	0.90	0.07	< 10	0.16	0.26	6	4.2	4.2	3.30	0.05	1.13	17.2	7.4	0.20
B 28	201 202	< 1	1.26	< 0.05	0.4	63.6	0.55	0.07	< 10	0.07	0.25	9	4.1	5.0	3.95	< 0.05	1.16	16.6	6.4	0.27
B 29	201 202	< 1	1.04	< 0.05	0.8	79.6	0.55	0.07	< 10	0.20	0.28	9	10.5	5.2	4.40	< 0.05	2.06	17.0	6.8	0.27
B 39	201 202	< 6	1.66	0.05	2.7	151.4	0.95	0.13	40	0.56	0.34	15	46.4	8.4	4.50	0.05	2.95	17.2	21.8	0.30
B 40	201 202	< 2	1.59	0.05	1.9	100.6	0.90	0.12	10	0.34	0.28	14	19.3	8.2	4.60	0.05	2.25	15.4	13.8	0.24

CERTIFICATION: \_\_\_\_\_

SILTS



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page 1 of 1-B  
 Total Pages : 1  
 Certificate Date: 16-OCT-2000  
 Invoice No. : 10030551  
 P.O. Number :  
 Account : NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS

A0030551

SAMPLE	PREP CODE		Mn	Hg	Mo	Ni	P	K	Sc	Se	Ag	Na	Sr	S	Te	Tl	Ti	W	U	V	Zn
			ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
B 13	201	202	520	0.04	2.60	28.5	510	0.14	4.2	0.6	0.61	0.02	28.2	0.04	0.04	0.10	0.09	0.45	3.50	49	60
B 26	201	202	440	0.01	0.20	3.0	700	0.07	0.9	< 0.2	0.06	0.01	12.2	0.01	0.01	0.06	0.02	0.05	1.95	14	40
B 27	201	202	800	0.04	0.30	3.0	500	0.05	0.9	< 0.2	0.06	0.01	21.6	0.03	< 0.01	0.06	0.02	0.05	4.60	23	36
B 28	201	202	310	0.02	0.25	4.5	630	0.10	1.5	< 0.2	0.05	0.01	15.4	0.01	< 0.01	0.06	0.04	0.05	2.85	24	42
B 29	201	202	2330	0.04	0.60	4.5	650	0.08	1.3	< 0.2	0.08	0.01	24.8	0.03	< 0.01	0.14	0.04	0.05	2.55	40	34
B 39	201	202	>10000	0.05	2.40	10.0	1080	0.13	1.5	< 0.2	0.09	0.01	26.6	0.06	0.02	0.44	0.04	0.05	2.00	41	108
B 40	201	202	3750	0.06	0.95	7.5	780	0.10	1.2	< 0.2	0.09	0.01	23.8	0.06	0.01	0.20	0.04	0.05	2.35	37	64

CERTIFICATION:

SICTS



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project:  
 Comments: ATTN: GORDON RICHARDS

Page: 1 of 1  
 Total Pages: 1  
 Certificate Date: 16-OCT-2000  
 Invoice No.: I0030553  
 P.O. Number:  
 Account: NDJ

## CERTIFICATE OF ANALYSIS

A0030553

SAMPLE	PREP CODE	Au ppb EXT-AA	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %
D 1	201 202	< 6	1.53	0.55	8.0	176.6	0.80	0.23	10	0.43	0.40	19	14.4	10.0	4.35	0.05	2.29	17.2	12.2	0.45
D 3	201 202	6	1.29	0.20	4.9	124.4	0.85	0.14	10	0.44	0.24	12	26.0	7.8	3.55	0.05	2.19	15.0	19.4	0.24
D 6	201 202	12	1.45	0.10	4.0	121.6	0.75	0.08	< 10	0.32	0.25	17	14.6	7.2	4.35	0.05	2.42	10.2	14.2	0.36
D 7	201 202	< 2	1.10	0.05	1.9	123.8	0.85	0.08	< 10	0.14	0.15	14	12.3	9.8	3.20	0.05	1.18	10.8	10.8	0.25
D 11	201 202	< 2	1.53	0.10	2.6	191.8	0.75	0.13	< 10	0.29	0.48	30	11.5	8.6	5.55	0.05	2.98	21.4	23.8	0.61
D 13	201 202	3	1.41	0.05	4.2	114.0	1.25	0.22	10	0.64	0.26	22	22.3	16.4	4.45	0.05	2.49	26.8	15.6	0.43
D 25	201 202	30	1.85	0.25	10.0	253.2	1.10	0.19	20	0.56	0.51	29	28.8	16.4	5.00	0.05	3.43	32.6	12.2	0.58
D 33	201 202	< 6	1.85	< 0.05	2.7	103.8	0.65	0.42	< 10	0.35	0.38	45	12.4	30.2	5.50	0.05	2.76	12.8	23.4	0.71
D 35	201 202	< 3	2.77	< 0.05	0.7	353.6	1.60	0.09	< 10	0.24	0.64	34	10.4	14.2	6.10	0.05	2.07	30.6	8.6	0.75
D 36	201 202	< 6	2.03	< 0.05	0.6	175.0	1.45	0.07	< 10	0.15	0.45	19	7.9	10.4	4.70	0.05	1.88	24.6	6.4	0.49
D 38	201 202	< 1	0.98	< 0.05	0.3	78.4	0.40	0.05	< 10	0.09	0.25	7	6.4	5.2	3.10	0.05	1.00	16.0	3.8	0.18
D 39	201 202	< 6	1.55	< 0.05	0.5	154.8	0.90	0.10	10	0.17	0.35	15	12.7	9.6	4.50	0.05	2.64	25.2	6.2	0.34
D 40	201 202	1	0.99	< 0.05	0.3	78.6	0.40	0.05	< 10	0.06	0.26	10	4.2	6.8	3.10	0.05	1.02	21.2	3.2	0.25
D 41	201 202	< 6	1.10	< 0.05	0.8	113.8	0.50	0.18	< 10	0.24	0.30	12	11.1	7.2	3.35	0.05	1.59	18.8	5.0	0.23
D 42	201 202	4	0.87	< 0.05	1.0	146.2	0.50	0.13	30	0.22	0.24	5	15.3	5.0	3.40	< 0.05	2.04	14.6	5.2	0.15
D 43	201 202	< 2	2.05	< 0.05	2.0	128.6	1.85	0.57	< 10	0.26	0.32	16	15.3	14.2	4.85	0.05	3.98	33.0	8.0	0.24
D 44	201 202	< 2	2.55	0.05	0.8	130.0	1.25	0.20	< 10	0.21	0.25	16	10.2	15.8	5.50	0.05	1.43	29.0	9.0	0.22
D 45	201 202	< 6	2.33	< 2.00	4.0	370.0	2.00	< 2.00	50	0.50	0.58	18	57.0	9.0	< 10.00	Minr1zd	6.85	30.0	18.0	0.25
D 46	201 202	< 1	1.04	< 0.05	1.3	50.6	0.40	0.45	< 10	0.07	0.06	10	4.9	8.0	3.15	< 0.05	1.67	9.8	7.2	0.21
D 51	201 202	6	0.55	< 0.05	0.8	42.4	0.40	0.42	< 10	0.15	0.09	6	7.6	6.2	1.90	0.05	0.89	10.2	6.6	0.13
D 52	201 202	< 6	0.76	< 0.05	0.7	68.6	0.30	0.27	< 10	0.15	0.33	13	13.4	19.4	2.50	0.05	2.30	12.8	6.8	0.34
D 53	201 202	not/ss	2.55	< 0.05	0.9	180.6	1.00	0.22	10	0.37	0.53	20	21.5	24.0	6.35	0.05	4.02	32.4	8.0	1.17
D 66	201 202	< 6	1.80	0.05	1.7	112.0	0.50	0.44	< 10	0.29	0.58	56	23.8	37.8	5.05	0.05	3.35	21.4	7.4	0.90
D 70	201 202	< 1	1.80	< 0.05	0.8	80.2	0.50	0.53	< 10	0.14	0.44	31	10.5	26.2	4.60	0.05	2.07	28.4	8.2	0.59
D 71	201 202	6	1.02	< 0.05	1.6	76.4	0.40	0.35	< 10	0.17	0.53	37	18.5	40.2	3.15	0.05	2.46	16.0	8.0	0.62
D 74	201 202	< 6	1.50	< 0.05	0.9	206.2	0.85	0.21	< 10	0.30	0.63	49	17.0	21.8	4.05	0.05	3.14	30.2	7.4	0.69
D 75	201 202	not/ss	0.95	< 0.05	0.9	63.6	0.65	0.10	< 10	0.19	0.31	11	7.6	8.8	2.40	0.05	1.20	16.0	7.4	0.21
D 76	201 202	18	1.73	2.00	< 2.00	190.0	1.50	< 2.00	40	< 0.50	0.37	11	9.0	8.0	< 10.00	Minr1zd	1.89	10.0	10.0	0.23
D 79	201 202	< 1	1.27	0.05	1.4	118.0	0.85	0.09	10	0.16	0.32	6	19.1	6.4	3.55	0.05	3.45	16.6	9.6	0.15
D 81	201 202	2	1.27	< 0.05	0.8	202.4	0.80	0.09	30	0.20	0.36	11	19.6	33.0	4.15	0.05	3.10	26.0	5.2	0.37
D 84	201 202	< 1	1.81	< 0.05	0.8	104.8	1.20	0.12	< 10	0.23	0.25	15	16.5	12.6	4.40	0.05	1.46	16.6	6.8	0.28

CERTIFICATION: \_\_\_\_\_

SILTS



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page : 1-B  
 Total Pages : 1  
 Certificate Date: 16-OCT-2000  
 Invoice No. : I0030553  
 P.O. Number :  
 Account : NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS

A0030553

SAMPLE	PREP CODE	Mn ppm	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
D 1	201 202	2480	0.04	1.50	14.0	1130	0.20	2.4	< 0.2	0.08	0.02	24.6	0.04	0.01	0.30	0.08	0.10	4.20	37	64
D 3	201 202	4400	0.06	1.70	9.0	760	0.09	1.1	< 0.2	0.10	0.01	24.2	0.07	< 0.01	0.26	0.05	0.10	3.90	30	36
D 6	201 202	1865	0.04	2.00	13.5	900	0.12	1.6	< 0.2	0.08	0.02	18.6	0.05	< 0.01	0.22	0.07	0.05	2.45	31	56
D 7	201 202	760	0.03	0.95	13.5	660	0.08	0.9	< 0.2	0.11	0.01	17.2	0.05	0.01	0.12	0.06	0.05	4.65	20	28
D 11	201 202	915	0.04	2.10	17.0	1660	0.12	1.9	< 0.2	0.09	0.02	39.2	0.06	0.01	0.14	0.11	0.25	5.65	48	54
D 13	201 202	4160	0.05	1.60	37.5	690	0.08	1.2	< 0.2	0.25	0.01	21.6	0.05	< 0.01	0.20	0.03	0.10	1.90	26	72
D 25	201 202	4810	0.04	1.85	24.0	1620	0.16	3.5	< 0.2	0.12	0.02	34.8	0.05	0.01	0.38	0.09	0.05	4.55	51	100
D 33	201 202	635	0.01	0.85	31.0	450	0.34	4.0	< 0.2	0.17	0.02	21.4	0.05	0.06	0.22	0.11	2.75	1.50	40	178
D 35	201 202	830	0.06	1.10	26.0	1210	0.25	2.9	< 0.2	0.14	0.04	93.0	0.06	0.01	0.16	0.13	0.15	16.30	50	130
D 36	201 202	830	0.04	0.65	15.0	1330	0.21	2.3	< 0.2	0.11	0.03	28.2	0.05	< 0.01	0.14	0.10	0.10	5.60	42	58
D 38	201 202	870	0.04	0.55	4.0	640	0.11	1.4	< 0.2	0.08	0.02	15.8	0.01	< 0.01	0.10	0.04	0.10	2.50	17	34
D 39	201 202	1915	0.04	1.45	9.5	820	0.21	2.8	< 0.2	0.09	0.02	27.0	0.02	< 0.01	0.20	0.08	0.15	5.05	32	60
D 40	201 202	305	0.01	0.40	6.0	660	0.17	2.0	< 0.2	0.07	0.02	15.6	0.01	0.01	0.14	0.06	0.10	2.10	20	40
D 41	201 202	2100	0.02	1.75	8.0	750	0.14	1.5	< 0.2	0.07	0.01	18.0	0.02	0.01	0.20	0.05	2.50	2.95	20	58
D 42	201 202	5010	0.04	4.55	4.0	860	0.06	0.9	< 0.2	0.09	0.01	19.6	0.03	< 0.01	0.20	0.04	0.85	2.35	21	32
D 43	201 202	1165	0.04	4.40	19.0	690	0.12	1.7	< 0.2	0.19	0.01	22.8	0.05	< 0.01	0.22	0.04	0.25	13.75	31	74
D 44	201 202	820	0.10	1.35	23.0	830	0.10	1.2	< 0.2	0.29	0.02	28.0	0.10	0.03	0.12	0.05	0.15	12.60	21	46
D 45	201 202	>10000	< 1.00	8.00	20.0	1280	0.08	1.0	Minrlzd	< 0.20	0.01	72.0	0.07	Minrlzd	< 10.00	0.04	< 10.00	< 10.00	53	116
D 46	201 202	600	0.03	0.75	5.5	270	0.11	1.1	< 0.2	0.08	0.01	5.2	0.01	< 0.01	0.10	0.02	0.10	1.60	16	34
D 51	201 202	1200	< 0.01	0.75	4.5	290	0.07	0.8	< 0.2	0.06	0.01	5.4	< 0.01	< 0.01	0.10	0.01	0.40	2.10	9	28
D 52	201 202	910	0.01	1.15	11.5	820	0.12	1.7	< 0.2	0.10	0.01	14.8	0.20	0.01	0.12	0.04	0.60	2.05	25	38
D 53	201 202	2910	0.03	1.75	11.5	790	0.51	4.8	< 0.2	0.15	0.01	34.0	0.04	< 0.01	0.40	0.14	0.55	4.70	85	100
D 66	201 202	1360	0.02	2.10	37.0	1160	0.12	4.0	< 0.2	0.12	0.01	28.2	0.09	< 0.01	0.18	0.05	2.15	1.90	50	108
D 70	201 202	415	0.03	1.45	21.0	550	0.13	2.1	< 0.2	0.15	0.01	21.8	0.04	0.03	0.12	0.05	1.10	2.80	33	64
D 71	201 202	770	< 0.01	1.20	28.5	1020	0.07	3.0	< 0.2	8.18	0.01	23.6	0.21	3.41	0.08	0.03	3.50	1.35	33	58
D 74	201 202	2280	0.03	1.85	26.5	1000	0.10	3.4	< 0.2	0.14	0.01	34.2	0.07	0.04	0.12	0.04	0.15	4.00	49	70
D 75	201 202	1260	0.04	0.65	6.5	860	0.07	1.0	< 0.2	0.06	0.01	20.6	0.03	< 0.01	0.08	0.03	0.05	2.95	19	60
D 76	201 202	>10000	1.00	1.00	8.0	660	0.12	1.0	Minrlzd	< 0.20	0.01	39.0	0.03	Minrlzd	< 10.00	0.03	< 10.00	< 10.00	26	74
D 79	201 202	4940	0.09	1.20	3.5	900	0.05	0.9	< 0.2	0.14	0.01	40.4	0.07	0.01	0.16	0.02	0.10	2.85	38	46
D 81	201 202	8350	0.02	7.90	7.5	970	0.14	3.1	< 0.2	0.09	0.01	24.4	0.02	0.03	0.30	0.04	0.05	2.35	46	54
D 84	201 202	920	0.06	0.75	14.5	730	0.13	1.3	< 0.2	0.12	0.01	19.6	0.05	0.01	0.16	0.05	0.10	2.95	27	64

CERTIFICATION: \_\_\_\_\_

*[Handwritten signature]*

SILTS



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: BLUE  
 Comments: ATTN: GORDON RICHARDS

Page Number : 1  
 Total Pages : 3  
 Certificate Date: 07-NOV-2000  
 Invoice No. : I0032264  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

A0032264

SAMPLE	PREP CODE	Au ppb ICP-MS										
B 22	216 202	7										
B 24	216 202	10										
B 25	216 202	5										
B 41	216 202	2										
B 42	216 202	4										
B 43	216 202	3										
B 44	216 202	6										
B 45	216 202	4										
B 46	216 202	3										
B 47	216 202	7										
D 93	216 202	1										
D 94	216 202	1										
D 95	216 202	2										
D 96	216 202	1										
D 97	216 202	24										
D 98	216 202	1										
D 100	216 202	1										
D 200	216 202	1										
D 202	216 202	2										
D 204	216 202	1										
D 205	216 202	7										
D 206	216 202	1										
D 207	216 202	1										
D 210	216 202	2										
D 212	216 202	1										
D 213	216 202	1										
D 215	216 202	1										
E 43	216 202	1										
E 44	216 202	1										
E 45	216 202	1										
E 46	216 202	1										
E 47	216 202	1										
E 48	216 202	1										
E 49	216 202	9										
E 50	216 202	2										
R 152	216 202	< 1										
R 153	216 202	1										
R 154	216 202	1										
R 159	216 202	1										
R 164	216 202	< 1										

CERTIFICATION:

*[Handwritten Signature]*



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: BLUE  
 Comments: ATTN: GORDON RICHARDS

Page 1 of 2  
 Total Pages : 3  
 Certificate Date: 07-NOV-2000  
 Invoice No. : I0032264  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

A0032264

SAMPLE	PREP CODE	Au ppb ICP-MS									
R 166	216 202	1									
R 169	216 202	< 1									
R 170	216 202	1									
R 174	216 202	2									
R 177	216 202	< 1									
R 227	216 202	2									
R 228	216 202	4									
R 229	216 202	2									
R 230	216 202	2									
R 231	216 202	3									
R 232	216 202	3									
R 233	216 202	4									
R 234	216 202	2									
R 235	216 202	3									
R 236	216 202	7									
R 237	216 202	130									
R 238	216 202	4									
R 239	216 202	4									
R 240	216 202	4									
R 241	216 202	5									
R 242	216 202	2									
R 243	216 202	2									
R 244	216 202	2									
R 245	216 202	3									
R 246	216 202	1									
R 247	216 202	7									
R 248	216 202	2									
R 249	216 202	61									
R 250	216 202	4									
R 251	216 202	1									
R 252	216 202	2									
R 253	216 202	3									
R 254	216 202	1									
R 255	216 202	7									
R 256	216 202	3									
R 257	216 202	6									
R 258	216 202	5									
R 259	216 202	2									
R 260	216 202	3									
R 261	216 202	4									

CERTIFICATION: \_\_\_\_\_ +



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: BLUE  
 Comments: ATTN: GORDON RICHARDS

Page Number: 3  
 Total Pages: 3  
 Certificate Date: 07-NOV-2000  
 Invoice No.: I0032264  
 P.O. Number:  
 Account: NDJ

## CERTIFICATE OF ANALYSIS

A0032264

SAMPLE	PREP CODE	Au ppb ICP-MS										
R 262	216 202	13										
R 276	216 202	4										
R 277	216 202	4										
R 279	216 202	3										
R 280	216 202	4										
R 281	216 202	4										
R 282	216 202	2										
R 283	216 202	4										
R 284	216 202	2										
R 285	216 202	5										
R 286	216 202	4										
R 287	216 202	2										
R 288	216 202	2										
R 289	216 202	2										
R 290	216 202	3										
R 291	216 202	5										
R 292	216 202	3										
R 293	216 202	2										
R 294	216 202	2										
R 295	216 202	3										
R 296	216 202	3										
98 D 322	216 202	5										
98 D 323	216 202	4										
98 D 324	216 202	4										
98 D 370	216 202	2										
98 D 373	216 202	36										
98 D 375	216 202	2										
99 F 16	216 202	2										
99 F 20	216 202	9										
99 F 21	216 202	16										
99 F 22	216 202	4										

CERTIFICATION: \_\_\_\_\_





# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: BLUE  
 Comments: ATTN: GORDON RICHARDS

Page Number : 1  
 Total Pages : 3  
 Certificate Date: 07-NOV-2000  
 Invoice No. : I0032261  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

A0032261

SAMPLE	PREP CODE	Au ppb ICP-MS										
B 23	201	202	6									
D 15	201	202	2									
D 26	201	202	2									
D 27	201	202	2									
D 28	201	202	1									
D 29	201	202	4									
D 87	201	202	< 6									
D 88	201	202	< 6									
D 99	201	202	< 6									
D 201	201	202	2									
D 203	201	202	3									
D 208	201	202	2									
D 209	201	202	< 3									
D 211	201	202	< 1									
D 214	201	202	< 2									
D 220	201	202	< 3									
D 221	201	202	< 2									
D 222	201	202	< 2									
D 223	201	202	< 2									
D 224	201	202	1									
D 225	201	202	2									
D 226	201	202	< 1									
D 227	201	202	< 2									
D 228	201	202	< 2									
R 155	201	202	< 1									
R 156	201	202	< 3									
R 157	201	202	4									
R 158	201	202	< 6									
R 160	201	202	< 6									
R 161	201	202	< 2									
R 162	201	202	< 6									
R 163	201	202	< 1									
R 165	201	202	< 2									
R 167	201	202	< 3									
R 168	201	202	< 6									
R 171	201	202	< 1									
R 172	201	202	< 6									
R 175	201	202	< 3									
R 176	201	202	< 3									
R 178	201	202	< 2									

31.75

CERTIFICATION: \_\_\_\_\_ +



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project : BLUE  
 Comments: ATTN: GORDON RICHARDS

Page Number : 2  
 Total Pages : 3  
 Certificate Date: 07-NOV-2000  
 Invoice No. : I0032261  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

A0032261

SAMPLE	PREP CODE	Au ppb ICP-MS										
R 179	201 202	16										
R 180	201 202	< 3										
R 181	201 202	< 2										
R 182	201 202	1										
R 183	201 202	< 2										
R 184	201 202	< 1										
R 185	201 202	< 1										
R 186	201 202	< 1										
R 187	201 202	< 1										
R 188	201 202	< 2										
R 189	201 202	< 2										
R 190	201 202	< 2										
R 191	201 202	< 6										
R 192	201 202	< 3										
R 193	201 202	< 2										
R 194	201 202	< 1										
R 195	201 202	< 2										
R 196	201 202	< 2										
R 197	201 202	< 1										
R 198	201 202	< 2										
R 199	201 202	< 3										
R 200	201 202	< 1										
R 201	201 202	1										
R 202	201 202	1										
R 203	201 202	1										
R 204	201 202	< 2										
R 205	201 202	< 1										
R 207	201 202	< 2										
R 208	201 202	1										
R 209	201 202	< 1										
R 210	201 202	< 2										
R 211	201 202	< 3										
R 212	201 202	< 2										
R 213	201 202	< 2										
R 214	201 202	< 1										
R 215	201 202	< 6										
R 216	201 202	< 2										
R 218	201 202	< 6										
R 219	201 202	< 6										
R 220	201 202	< 2										

CERTIFICATION: \_\_\_\_\_

*[Handwritten signature]*



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page Number : 3  
 Total Pages : 3  
 Certificate Date: 07-NOV-2000  
 Invoice No. : 10032261  
 P.O. Number :  
 Account : NDJ

Project : BLUE  
 Comments: ATTN: GORDON RICHARDS

<b>CERTIFICATE OF ANALYSIS</b>	<b>A0032261</b>
--------------------------------	-----------------

SAMPLE	PREP CODE	Au ppb ICP-MS									
R 221	201 202	< 1									
R 222	201 202	< 3									
R 225	201 202	< 3									
99F 17	201 202	< 6									
99F 18	201 202	< 2									
99F 19	201 202	6									

S1075

CERTIFICATION: +



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

o: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: BLUE  
 Comments: ATTN: GORDON RICHARDS

Page Number: 1  
 Total Pages: 1  
 Certificate Date: 06-NOV-2000  
 Invoice No.: 10032259  
 P.O. Number:  
 Account: NDJ

## CERTIFICATE OF ANALYSIS

A0032259

SAMPLE	PREP CODE	Au ppb FA+AA										
B 21	205 226	< 5										
B 48	205 226	75										
B 49	205 226	15										
B 50	205 226	< 5										
D 16	205 226	< 5										
D 17	205 226	< 5										
D 18	-- --	NotRcd										
D 19	-- --	NotRcd										
D 89	205 226	< 5										
D 90	205 226	5										
D 91	205 226	30										
D 92	205 226	10										
D 216	205 226	< 5										
D 217	205 226	< 5										
D 218	205 226	< 5										
D 219	205 226	5										
R 151	205 226	< 5										
R 173	205 226	< 5										
R 206	205 226	< 5										
R 223	205 226	5										
R 224	205 226	< 5										
R 226	205 226	45										
R 278	205 226	< 5										
98D 325	205 226	10										
98D 371	205 226	1435										
98D 372	205 226	485										
98D 374	205 226	< 5										
98F 23	205 226	< 5										
98F 24	205 226	10										

CERTIFICATION: \_\_\_\_\_



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: MARTIN  
 Comments: ATTN: GORDON RICHARDS

Page 1 of 1-A  
 Total Pages : 1  
 Certificate Date: 21-NOV-2000  
 Invoice No. : I0033845  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

A0033845

SAMPLE	PREP CODE	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
A 218	244 --	2.64	1.35	80.9	120.8	1.00	0.58	10	0.19	0.26	59	24.2	50.8	7.80	0.05	4.81	30.2	36.4	1.46	780
A 219	244 --	2.58	0.40	25.4	85.4	0.85	0.54	10	0.12	0.07	52	13.6	41.0	7.55	0.05	3.95	33.6	20.8	1.17	550
A 220	244 --	2.31	0.20	7.3	68.6	0.75	0.42	10	0.22	0.06	50	11.0	27.4	7.35	0.05	4.23	21.6	15.6	0.99	465
A 221	244 --	2.95	0.35	74.8	100.2	1.35	0.70	10	0.15	0.10	73	19.7	49.8	9.30	0.10	4.78	26.0	20.6	1.27	655
A 222	244 --	2.18	0.30	7.4	56.0	0.65	0.58	10	0.31	0.03	54	10.3	32.8	8.15	0.05	4.30	20.4	17.8	0.87	560
A 223	244 --	2.85	0.20	19.4	68.4	1.10	0.48	10	0.34	0.05	68	15.8	52.3	8.65	0.05	4.51	22.2	20.2	1.30	495
A 224	244 --	3.30	0.20	14.6	84.2	1.55	0.65	< 10	0.33	0.04	61	18.3	77.6	9.65	0.05	4.41	19.0	52.8	1.01	650

RERUNS from A0026161

*Handwritten notes:* RERUNS - 105

CERTIFICATION: \_\_\_\_\_

*Handwritten signature:* [Signature]



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Project: MARTIN  
 Comments: ATTN: GORDON RICHARDS

Page 1 of 1  
 Total Pages : 1  
 Certificate Date: 21-NOV-2000  
 Invoice No. : I0033845  
 P.O. Number :  
 Account : NDJ

## CERTIFICATE OF ANALYSIS

### A0033845

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
A 218	244 --	0.05	1.55	41.5	1310	0.18	5.9	0.8	0.19	0.02	15.0	0.02	0.08	0.18	0.10	2.60	2.05	77	112
A 219	244 --	0.03	0.95	30.5	390	0.17	3.5	< 0.2	0.11	0.01	6.8	0.02	0.07	0.16	0.06	1.50	1.65	47	100
A 220	244 --	0.07	1.15	24.5	930	0.15	2.0	0.4	0.15	0.01	6.6	0.04	0.05	0.12	0.05	0.40	1.20	46	86
A 221	244 --	0.04	1.70	39.5	520	0.19	3.6	0.8	0.23	0.01	11.6	0.03	0.08	0.18	0.07	0.90	2.30	62	122
A 222	244 --	0.06	1.55	23.5	600	0.09	1.7	0.4	0.17	0.01	4.4	0.04	0.06	0.12	0.05	0.20	1.20	47	82
A 223	244 --	0.06	1.80	45.0	460	0.14	2.7	0.6	0.15	0.01	6.2	0.03	0.07	0.16	0.05	0.25	1.35	55	128
A 224	244 --	0.06	1.65	46.0	520	0.16	2.7	< 0.2	0.44	0.01	7.2	0.04	0.07	0.18	0.05	0.95	2.10	52	132

CERTIFICATION: 

REPLYING THIS