

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

PROGRAM YEAR: 2000/2001

REPORT #: PAP 00-51

NAME: GORDON RICHARDS

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 Gordon Richards Reference Number P125

LOCATION/COMMODITIES

Project Area (as listed in Part A) FISHTRAP MINFILE No. if applicable _____
 Location of Project Area NTS 092 P/01 Lat. 51° 12' N Long. 120° 18' W
 Description of Location and Access located west of Barriere. Driveably logging roads pass through area.

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

Dave Bennett

Main Commodities Searched For Au

Known Mineral Occurrences in Project Area Porphyry Cu ± Mo ± Au

WORK PERFORMED

1. Conventional Prospecting (area) 9km x 9km 40 sq km
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) 14 tills 7 rx
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 75 ppb Au in Rock

Description of mineralization, host rocks, anomalies _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

Fishtrap

Follow-up on last years results Cu-Au \pm Te \pm Bi \pm As
in K44 to K47 and R65 200ppb Au Jee map.

~~T#3~~

Tills gave no indication of nearby source of Au.
B13 silt anomalies for Cu, Mo, Ag \pm Te. Rock chip
B48 of angular rubble 1/2 km from old test quarry
for glasses within syenite intrusions. R65 tills that
were anomalous for gold #59 - 98ppb Au and 45ppb Au by B50
probably reflect gold within syenite like @ B48. A higher grade
nest of Au min⁺ is possible. Much of the syenite showed
from 1km⁺ in outcrop near old quarry, at B49 and
the ^{along the} road near B50. Extremely clean (nearly pure Kspare
intrusi TC^c intrusion occurs along the main road as shown.

Potential exists for intr related Au within the
syenite complex. ~~though grade may be~~ near R65 200ppb
Au area would be a start.



L I S T O N

F O R E S T

P R O V I N C I A L

Gorman Lake

Mount McGregor

clean Kspur

Beaver Lake

Thunkwa Lake

Dunappie Lake

Parry Lake

Parry Mountain

Mount Hagen

RIGHTER MOUNTAIN

79

78

77

76

75

74

73

72

71

70

4000

4300

4200

4000

4700

4500

4200

4000

3000

L 3088

L 3172

1900

2303

?

K36

23d

2303

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Name Gordon Richards Reference Number P125

LOCATION/COMMODITIES

Project Area (as listed in Part A) Newhykulston South MINFILE No. if applicable _____

Location of Project Area NTS 092 P/08 Lat. 51°16'N Long 120°05'W

Description of Location and Access NE of Barrier south of Newhykulsten ck.
Logging roads throughout area.

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

Main Commodities Searched For Au

Known Mineral Occurrences in Project Area 092 P/01 Ag-Pb-Zn ± Au polymetallic veins
occurs north of area along Newhykulsten ck.

WORK PERFORMED

1. Conventional Prospecting (area) 3x5 km 15 km²
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) 22 tills, 3 silts, 1 ck.
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 16 ppb Au in till

Description of mineralization, host rocks, anomalies _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

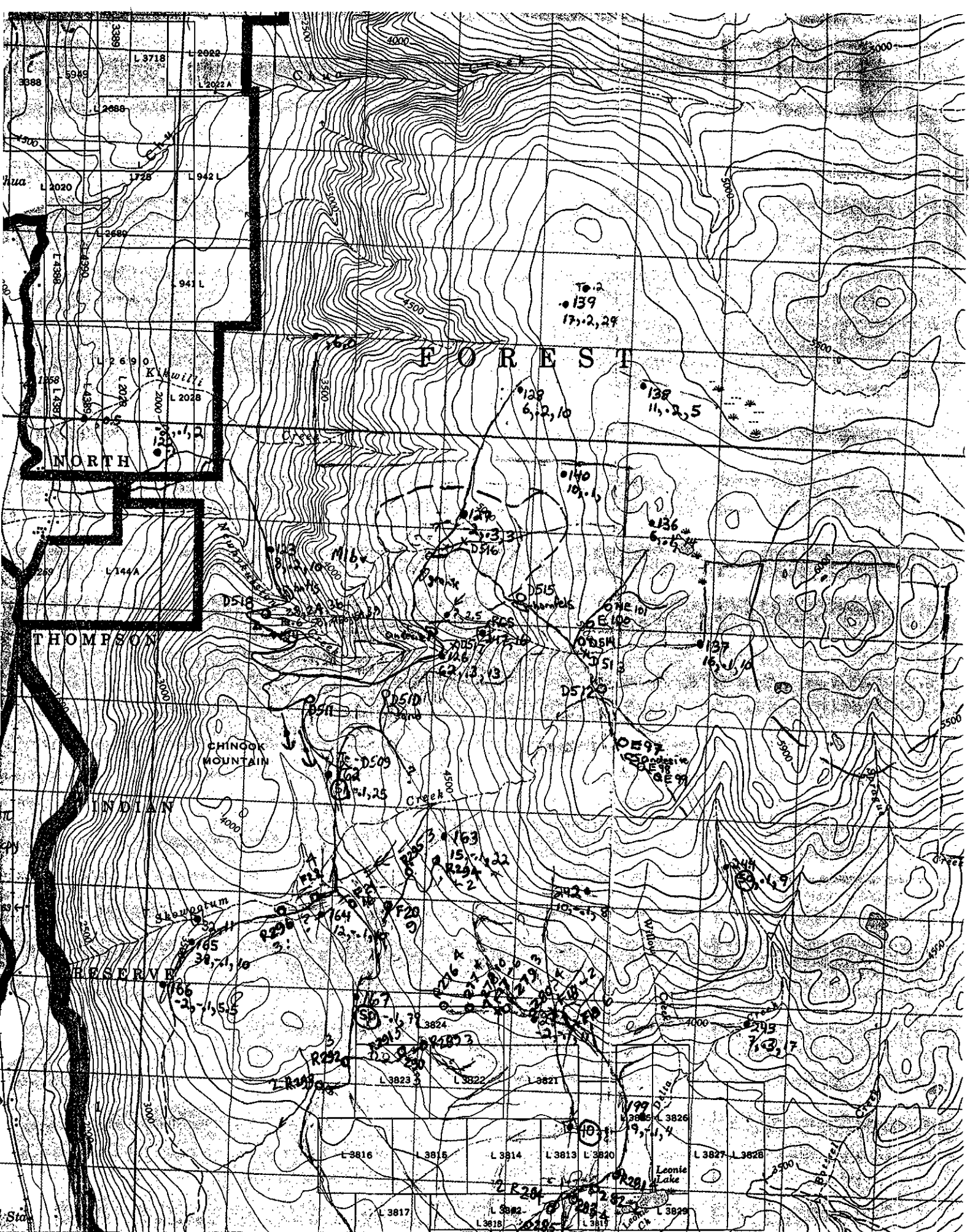
Newhykulsten South

Follow-up on RGS fill samples 50, 50+51 ppb Au
and 40 ppb in silt. (circled red on map).

Andrite ~~or~~ and argillite oc rare within area.

No joy. Highest value was 16 ppb Au in F21 fill
south of 51 from RGS data

Au could be transported from north where
strong Au silts occur in Newhykulsten Ck.



99 700 01 02 03 05 04 05 06 07 708000m E. | C
 180 Kamloops 290000m

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Name Gordon Richards Reference Number P125

LOCATION/COMMODITIES

Project Area (as listed in Part A) TRACEY MINFILE No. if applicable _____

Location of Project Area NTS 082M/08 Lat. 51°15'N Long. 118°20'W

Description of Location and Access South of Momich Lake & east of Adams L.
Logging roads some deactivated occur through area.

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

Main Commodities Searched For Au

Known Mineral Occurrences in Project Area Cam. Glorica across Adams L.

WORK PERFORMED

1. Conventional Prospecting (area) 7 km x 4 km 30 sq km
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) 10 silts, 1 rk.
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 16.3 ppm U w 130 ppm Zn 1" D35 silt

Description of mineralization, host rocks, anomalies _____

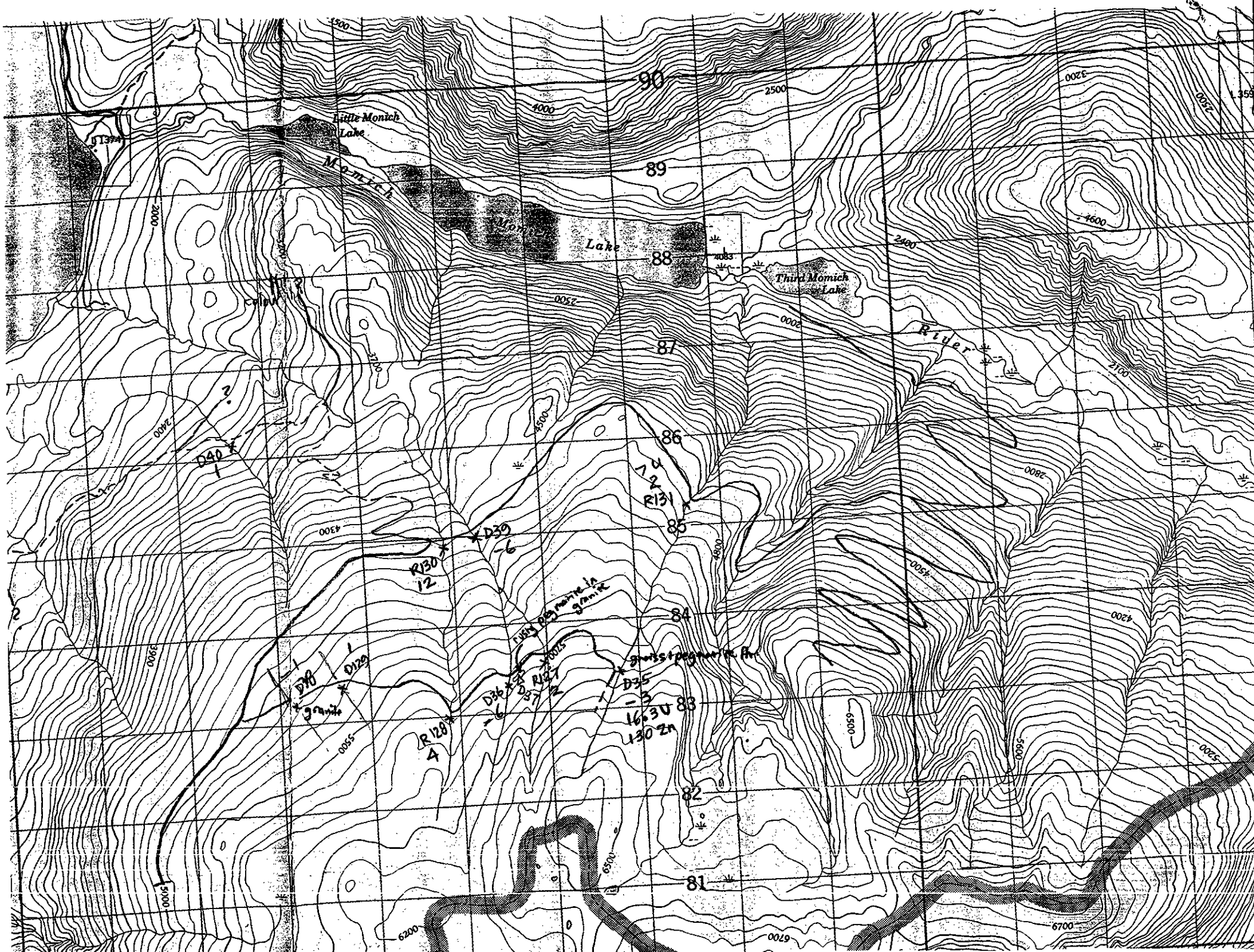
FEEDBACK: comments and suggestions for Prospector Assistance Program _____

Tracey.

Working up ice from RGS 12 ppb Au in
tenain thought to have similarities to Com-Klarza.

All exposures around along roads and cuts were
quartzofeldspathic gneiss with minor pegmatite dykes.
D37 was an altered pegmatite w local pds of f.g.
pyrite occurring in ditch over 10m near D36 silt. No joy.
Irregular granite bodies also occur in area.

Highest result was 16.3 ppm U with 130 ppm Zn
in D35.



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Name Gordon Richards Reference Number P125

LOCATION/COMMODITIES

Project Area (as listed in Part A) TSIKWUSTUM MINFILE No. if applicable _____

Location of Project Area NTS 082m/06 Lat. 51°25' N Long. 118°15' W

Description of Location and Access around Tsiqwustum L. @ head of Tsiqwustum CK East of north end Adams Lake +

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

D. Bennett

Main Commodities Searched For Au -

Known Mineral Occurrences in Project Area _____

WORK PERFORMED

1. Conventional Prospecting (area) 6 km x 6 km 35 sq km
2. Geological Mapping (hectares/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 three silts anomalous for multi elements
see map

Description of mineralization, host rocks, anomalies _____

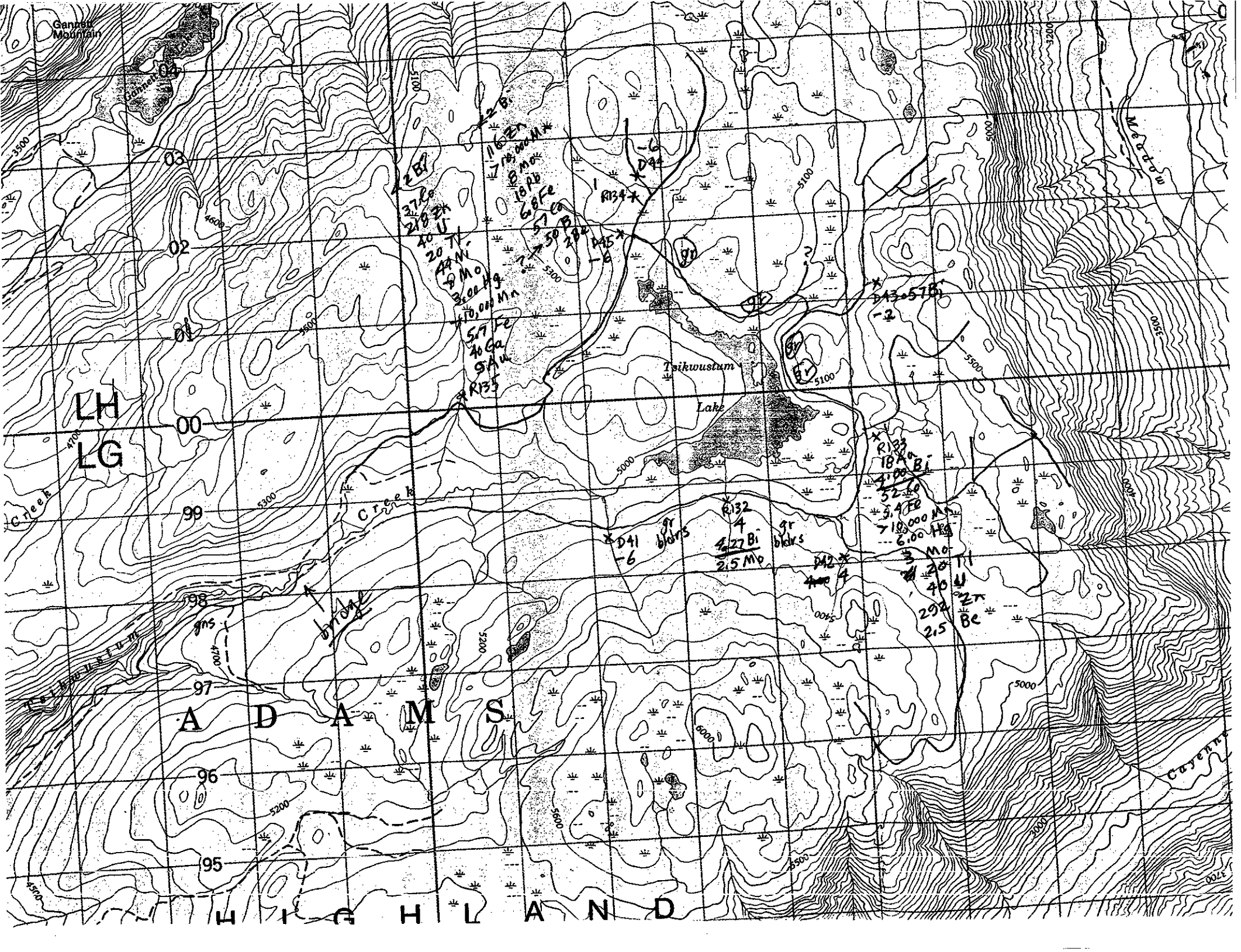
FEEDBACK: comments and suggestions for Prospector Assistance Program _____

Tsikwustum

The area was prospected to cover a large area with no R.G.S data in ~~an~~ area w potential for intrusion related Au.

Gneisses were exposed along the road on the way in from Adams L to the bridge on the map. From here an overburden was extensive. Granodiorite boulders were common everywhere and a few granodiorite exposures were noted on map.

Three silts were strongly anomalous for many elements including Bi, Hg, Mn, Zn, U, Co, Tl and Au (18 + 9 in two samples). This is more than the high Mn might scavenge + should be pursued. There are some U bearing veins reported N of Harbour Lakes to the N.



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LOCATION/COMMODITIES

Project Area (as listed in Part A) McCONNELL CK MINFILE No. if applicable _____

Location of Project Area NTS 082M/11 Lat. 51°37'N Long. 119°18'W

Description of Location and Access East of Vavenby + west of Adams R. on plateau area. Accessible by logging roads - one with wash out.

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

Main Commodities Searched For Au

Known Mineral Occurrences in Project Area _____

WORK PERFORMED

1. Conventional Prospecting (area) 3 km x 8 km 25 sq km
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) 14 tills, 16 silts, 3 rx
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 95 ppb Au in R97 rock chip

Description of mineralization, host rocks, anomalies _____

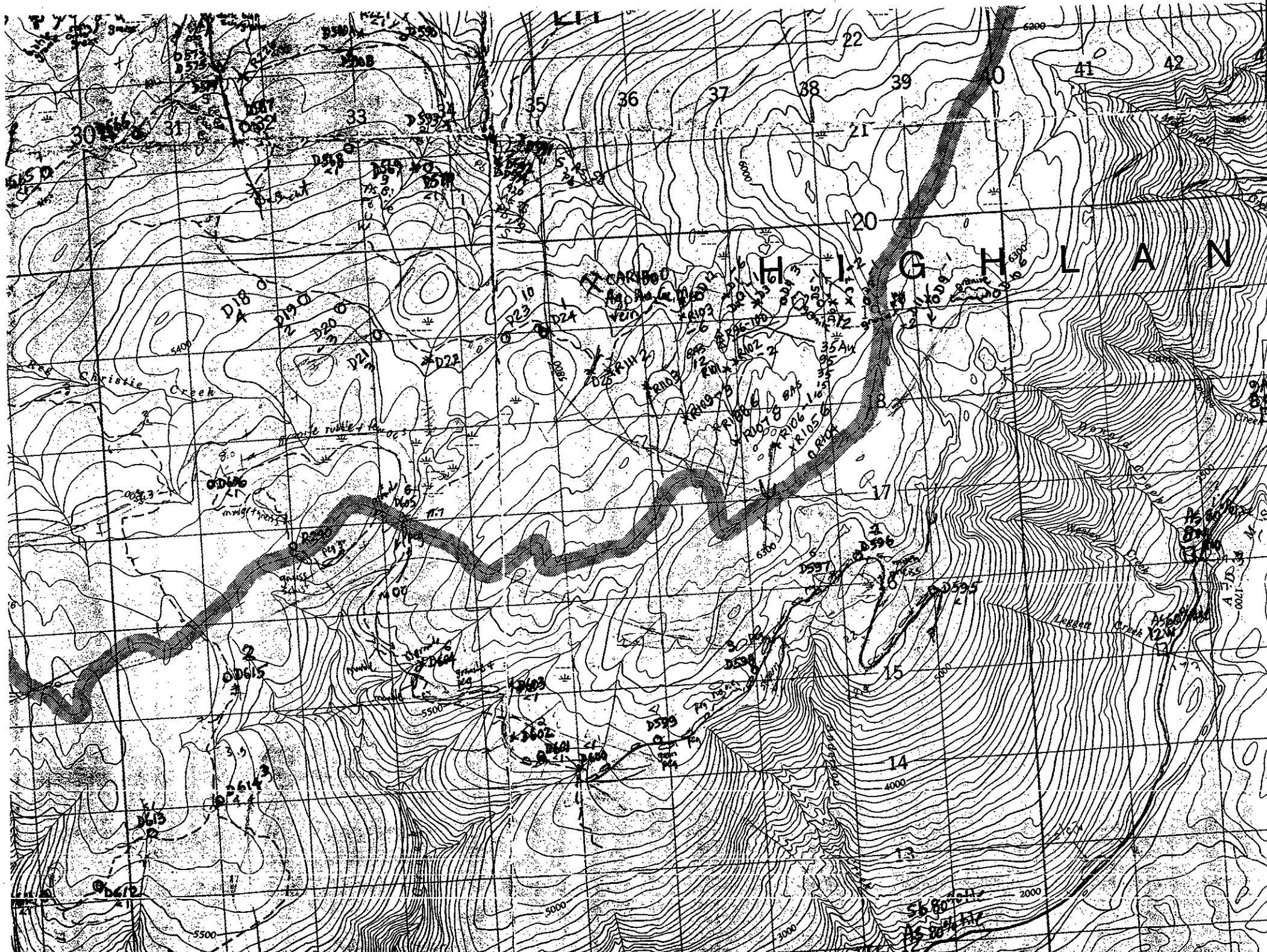
FEEDBACK: comments and suggestions for Prospector Assistance Program _____

McCANNELL CK.

The area was prospected as it lay up-ice from samples collected in 1999 ~~that~~ D 596 to D 598 that were variably anomalous for Bi, As w some Sb, Be, Pb, Ag + Au.

The area covered contains much "granite" and pegmatite float and outcrops. Gneiss is also fairly abundant. The similar rocks to the south between R240 and D598 display more rusty exposures.

Results were discouraging. Rocks sampled by R96 to R100 were intensely clay altered and silicified with low pyrite content. They occurred as outcrop and float in the creek stream but was difficult to trace the circulation system in any direction due to overburden. However silts and fills in creek failed to indicate any ^{geochemical} anomalies of interest.



Tills	Rx	Sifts
15	3	4
10	0	4
31	4	13
5	4	8
61	7	29

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Name Gordon Richards Reference Number P125

LOCATION/COMMODITIES

Project Area (as listed in Part A) RAFT RIVER WEST MINFILE No. if applicable _____

Location of Project Area NTS 082M/13, 14 Lat 51°53'N Long 119°40'W

Description of Location and Access located on west side Raft River and North of Berry CK (on E side Raft R.) Access by logging roads through some were deactivated.

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

Main Commodities Searched For Asu

Known Mineral Occurrences in Project Area CK massive sp, several W occurrences small except DIMAC - small production

WORK PERFORMED	4x6 25	5x10 50	6x8 30	8x8 15
1. Conventional Prospecting (area)	<u>120 sq km</u>			
2. Geological Mapping (hectares/scale)	_____			
3. Geochemical (type and no. of samples)	<u>61 tills, 7 rx, 29 sifts</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 _____ Commodities _____

Location (show on map) Lat. _____ Long _____ Elevation _____

Best assay/sample type 6.7 Mo, 6 Au, 9.06 Bi, 1.3 W in silt. R119
Area of anomalous Bi, W west of CK

Description of mineralization, host rocks, anomalies _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

RAFT RIVER WEST

Area selected for intrusion ^{related} Au because of numerous W showings + PLS anomalies in area + success immediately East on READYMIX claims upper Martin CK.

Maillet CK area is an area of outliers of Eagle Bay Formⁿ as cover to Shuswap gneisses. Two targets developed. R122 + D33 silts show yielded Pb-Zn + Cu anomalies. Tills in area should be run for ICP and the area then considered for Bm massive sp prospecting. R119 returned 6.7 Mo, 9.06 Bi, 1.3 W, 6 Au from a creek with thick granite boulders in tills. 1/2 km south Eagle Bay outcrop of phyllite seen below 100% granite bldr fill 5m thick.

R119 anomaly could be transported. Diopside skarn seen @ R120. (subcrop). Up ice prospecting for intrusion related gold recommended. This ~~traverse~~

Maxwell CK to ^{west} Raft River area underlain by much granite, some Qtz-Hfspathic gneiss + pegmatite. No Eagle Bay or biotite gneisses + schists. R148 gave modest Pb anomaly. No joy

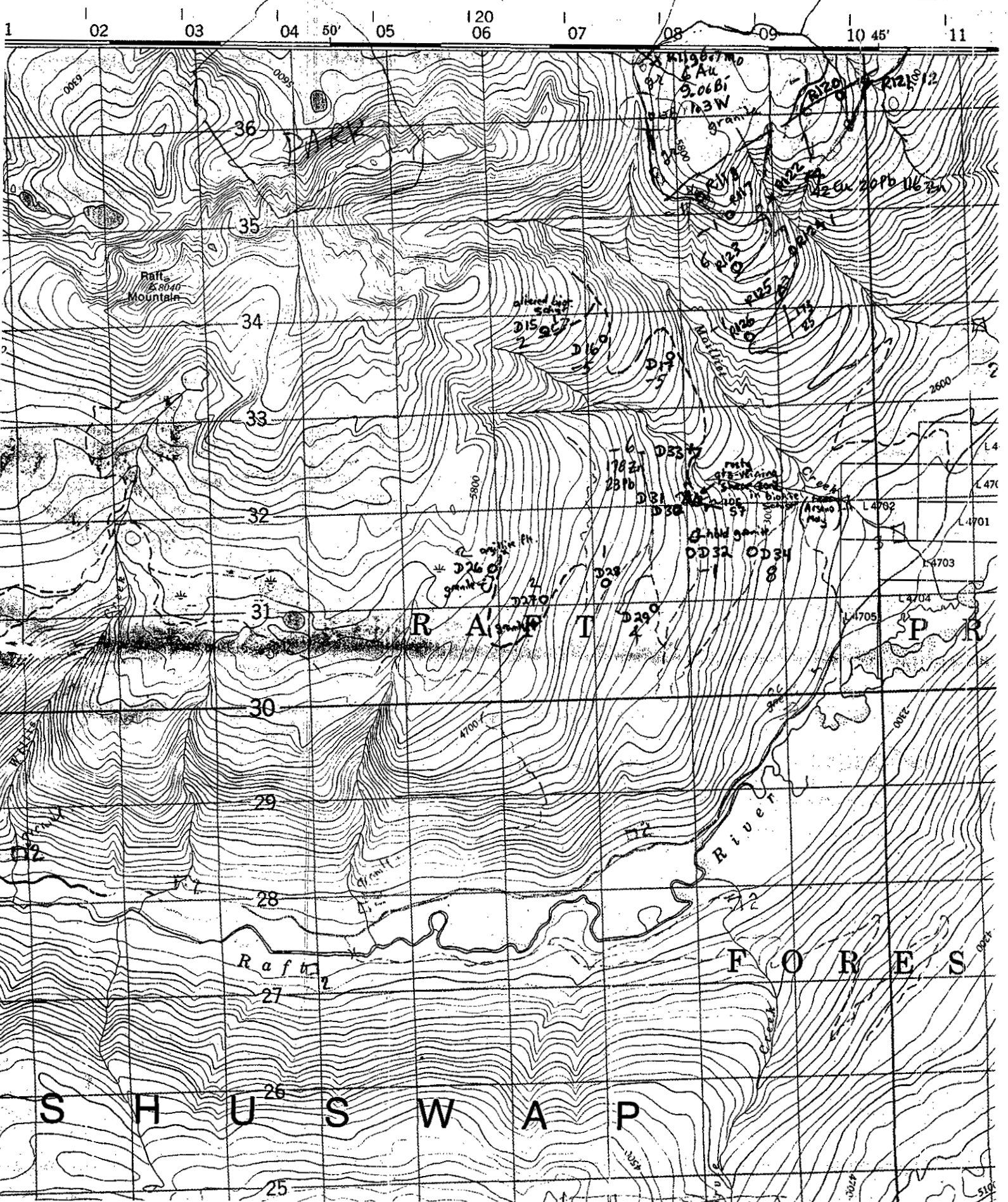
Richie CK area yielded numerous silts anomalies for Bi + W with low Au. Some samples also anomalous for Zn, Te, U. + others. Difficult to assess without higher gold values. Bxia on old Moose claims + creek to north yielded multielement anomalies with low Au. Perhaps ^{some} tills should be run for ICP to check for size of anomaly. Rocks were all Qtz-fsp gneiss of Shuswap with peg dykes. Bi + W does not typically travel far so lack of Au is not encouraging.

... cont'd RAFT RIVER WEST

Berry CK area was underlain by "granite"
and gtz span gneiss with some musc peg and leuco
musc gneiss as shown on map. D76 gave a Au-Sb-high Mn
anomaly near a musc peg + musc gr and should be further
prospected uphill + up ice.

M MOILLET CK

CANADA



MAX WEGE WEST

WEST

MAC
HANS

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2450

2100

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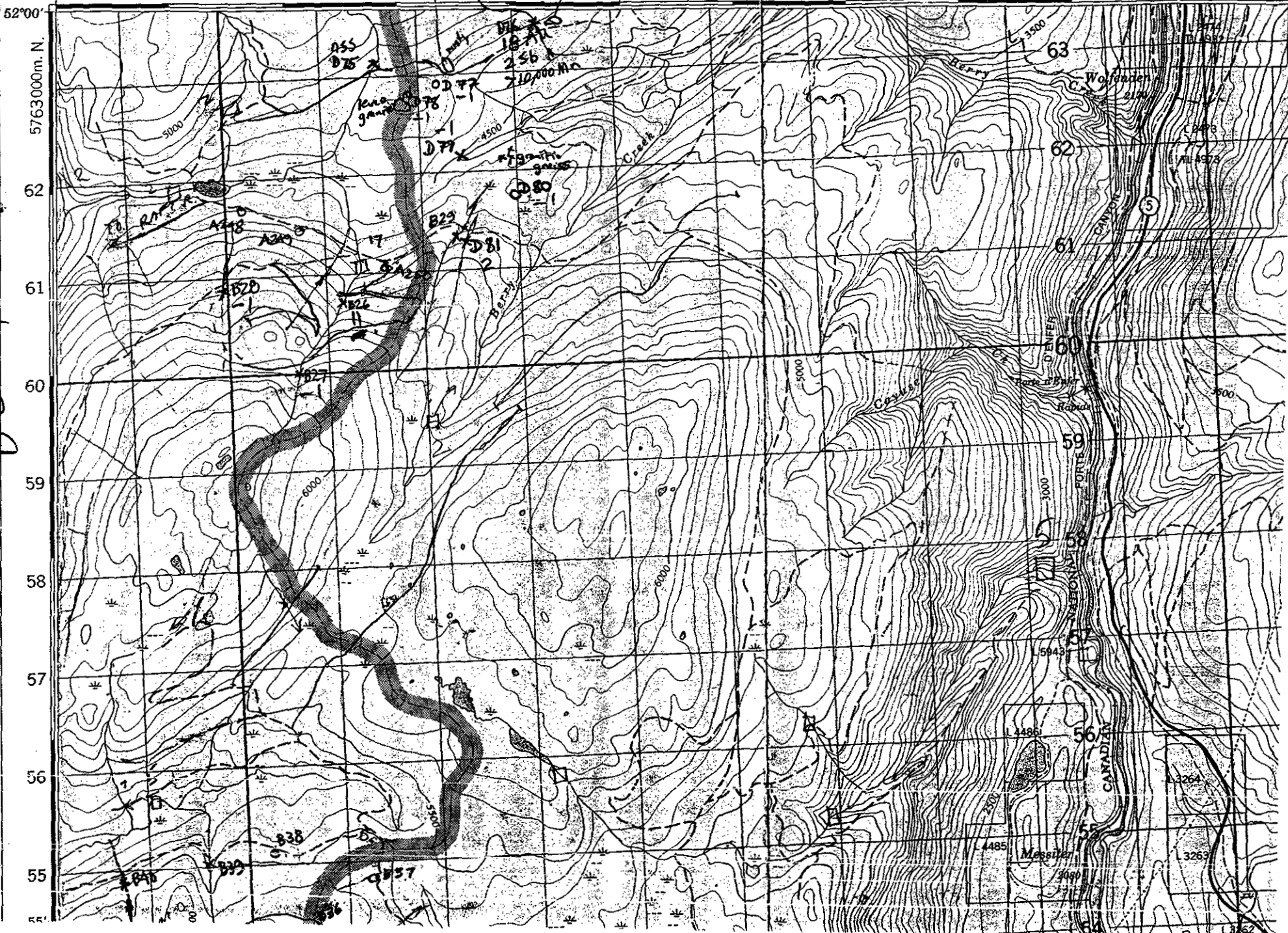
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119°30' 29 33000m. E. 31 32 33 35 36 37 38 39 20'40



BERRY CK

TILLS RY SILTS
 1 3
 5 10
 9 2 7
 10 2
 12
 31

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SUMMARY OF RESULTS

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LOCATION/COMMODITIES

Project Area (as listed in Part A) Blue River West MINFILE No. if applicable _____
 Location of Project Area NTS 083D/03 Lat. 52°05' N Long. 118°25' W
 Description of Location and Access west and northwest of Blue River.
Access by logging roads.

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

Main Commodities Searched For Au.

Known Mineral Occurrences in Project Area _____

WORK PERFORMED

1. Conventional Prospecting (area) 80 sq km
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) 34 silts, 10 tills, 2 rx
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 nothing of interest
 Description of mineralization, host rocks, anomalies _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

NOR BLUE RIVER WEST

The area is underlain by a large pegmatite body which has Xenoliths of gneiss occurring sporadically. At R169 one can look NW to a cliff of pegmatite and see intensely folded gneissic xenolith or possibly a root pendant.

~~At~~ ^{at N end North Blue River} R169 is close to a contact w more uniform gneiss.

Garnet diopside skarn rubble occurs in this creek and on hillsides nearby. Similarly south of Blue R gneiss, granite and pegmatite are outcrops and float are mixed.

~~And the pegmatite body though still present at~~ Gneiss is common from R175 to R177 immediately NW of Blue River but there is still much pegmatite. Further north up the N. Thompson Valley from R214 to R218 mixed peg - gneiss - granite are present and the continuous body of peg must be end further to the west. Float and rare outcrops along Thunder River include much gneiss, knotted schists, phyllites, quartzites along with much granite boulders and some pegmatite.

Results were all < 5 ppb Au. Ugh. No Joy.

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87
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85
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83
10'
82
81
80
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78
77
76



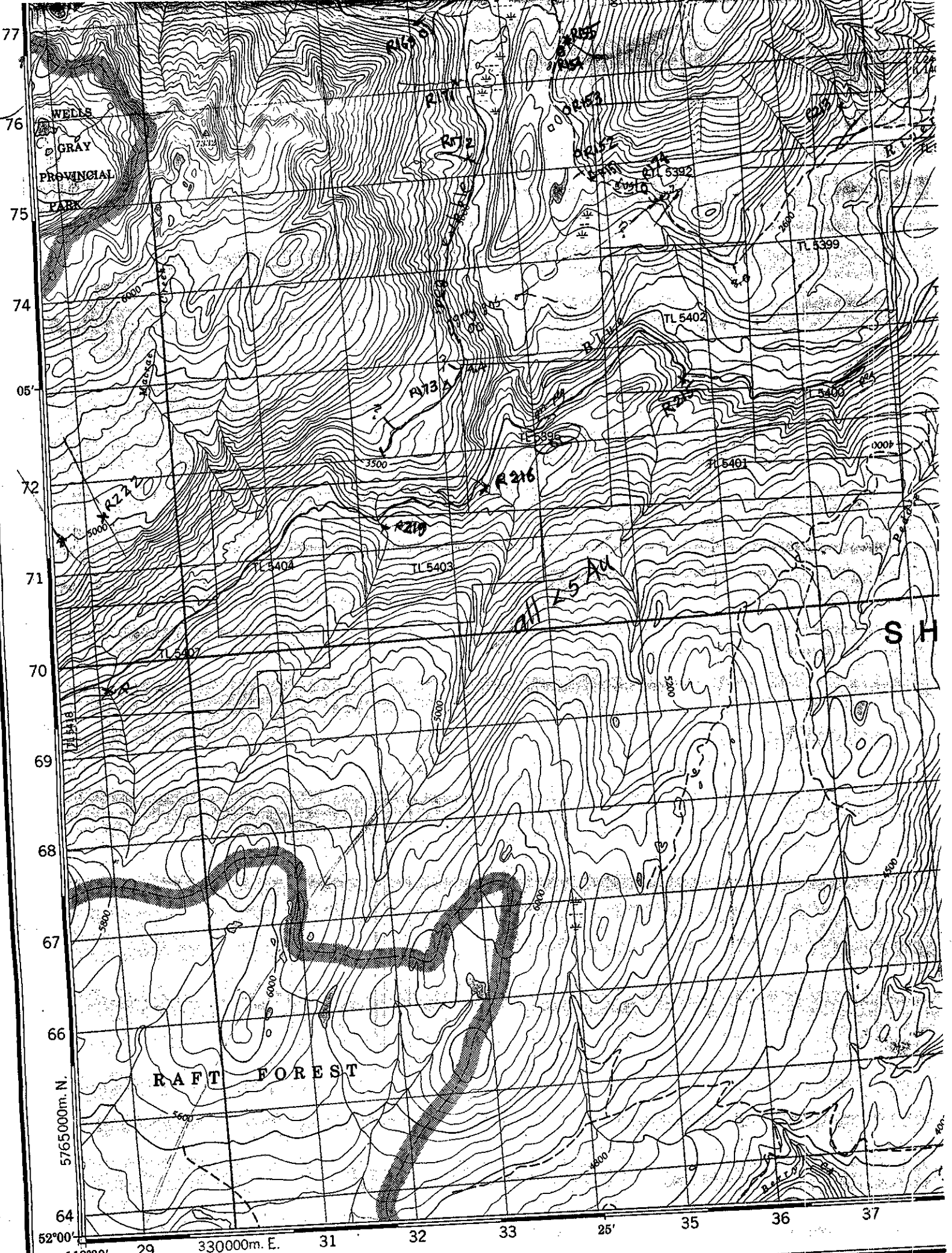
WELLS
GRAY
PROVINCIAL
PARK

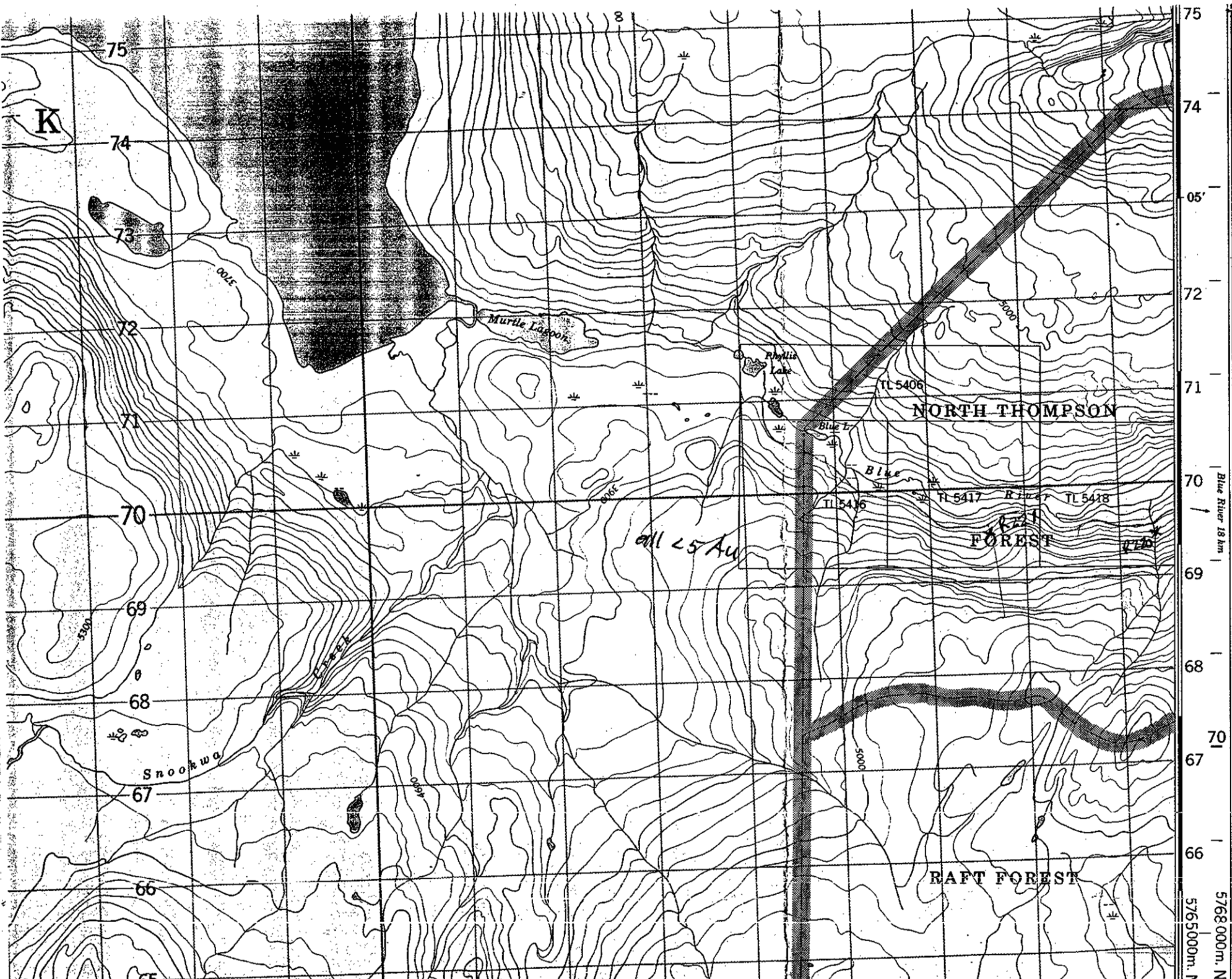
C A R I B O O

C O O L

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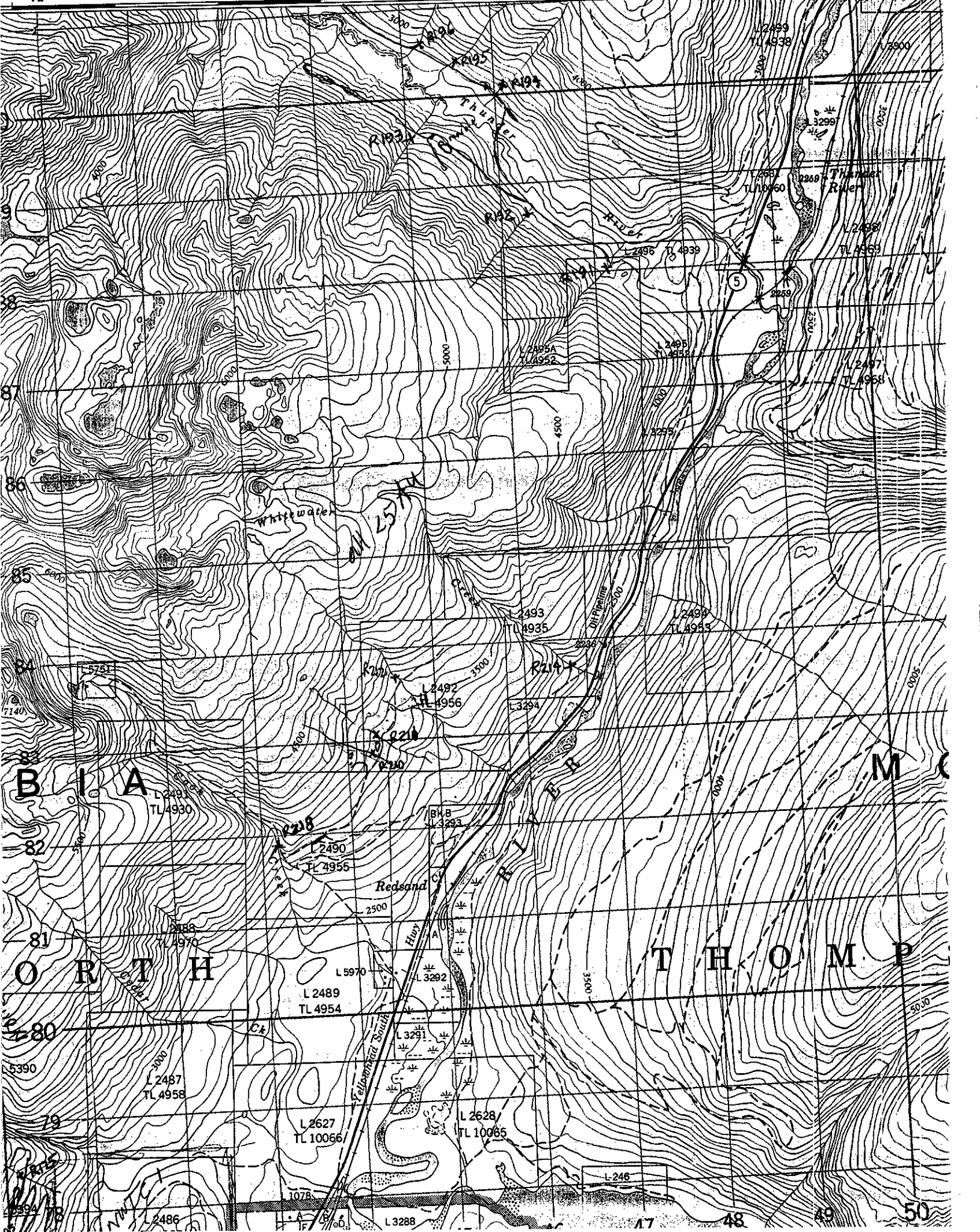
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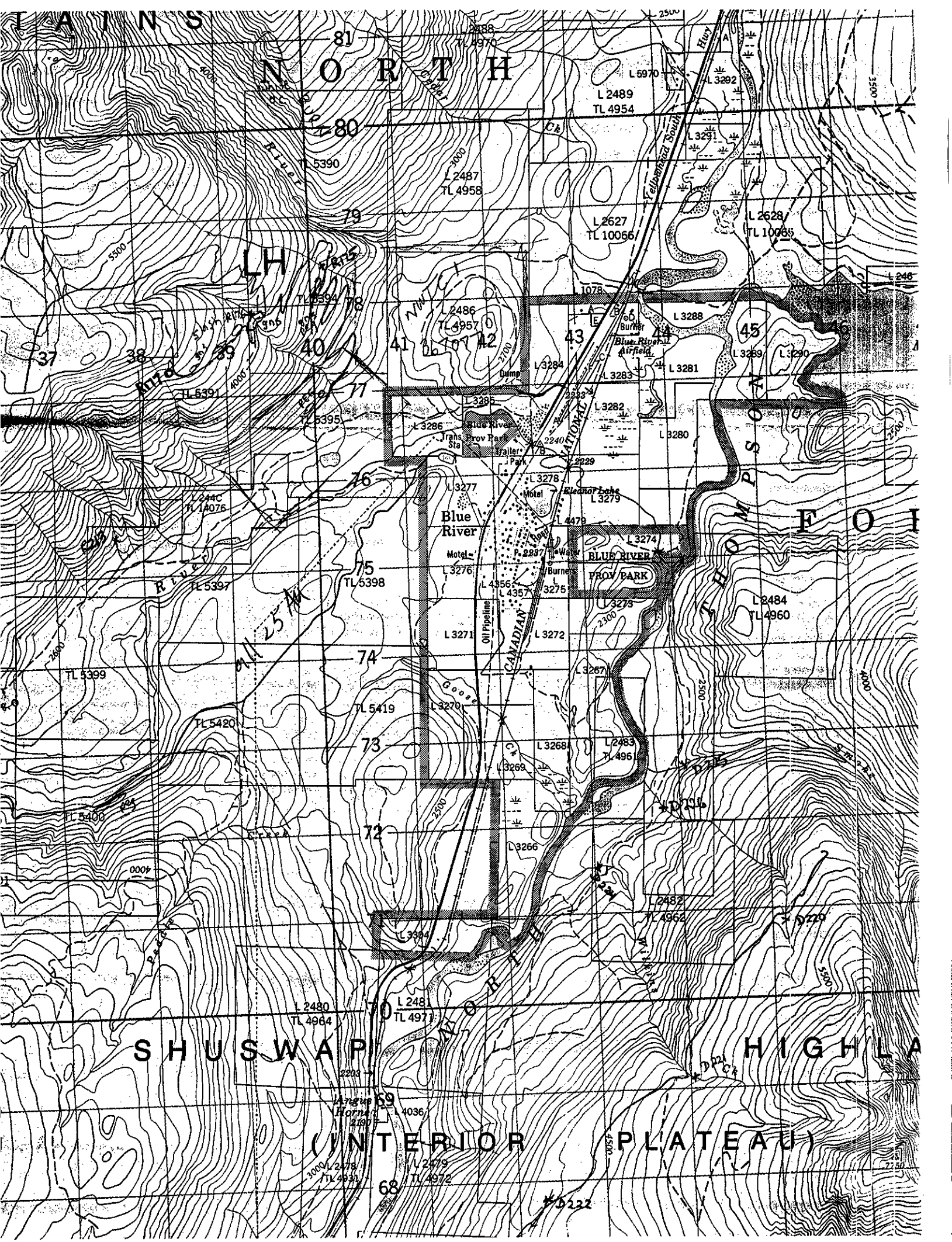


BLAIR
NORTH

THOMPSON

Redsand

17
48
49
50



N O R T H

S H U S W A P

H I G H L A

(I N T E R I O R P L A T E A U)

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LOCATION/COMMODITIES

Project Area (as listed in Part A) OXBOWS SOUTH HALF MINIFILL No. if applicable _____

Location of Project Area NTS DB3D/06 Lat. 52°20'N Long. 118°20'W

Description of Location and Access BA west of North Thompson from upper Thunder CK to Chappell CK. Access by logging roads.

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

Dave Bennett

Main Commodities Searched For Au

Known Mineral Occurrences in Project Area _____

WORK PERFORMED

1. Conventional Prospecting (area) 60 Bq km
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) 26 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 R179 - 16 ppb Au silt

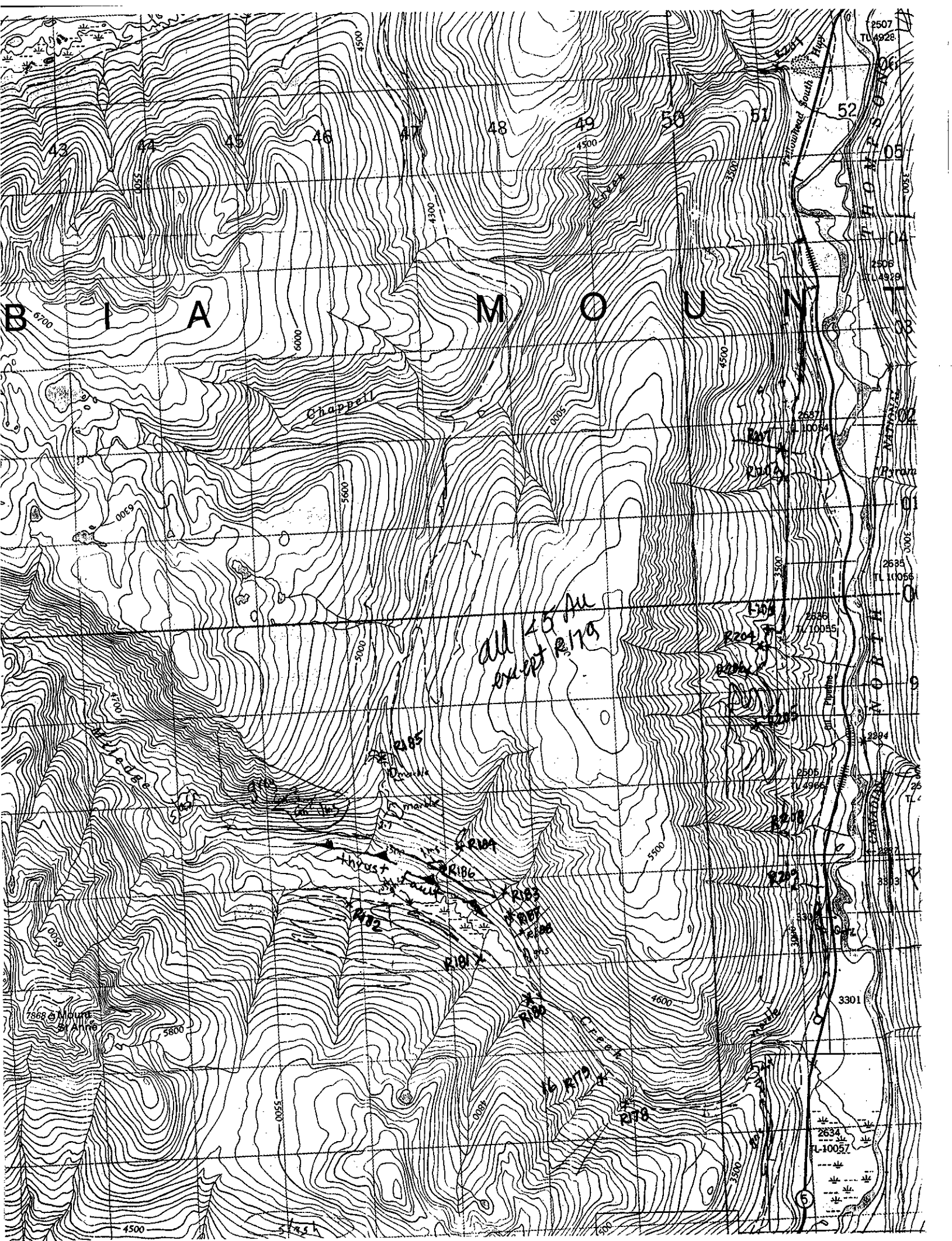
Description of mineralization, host rocks, anomalies _____

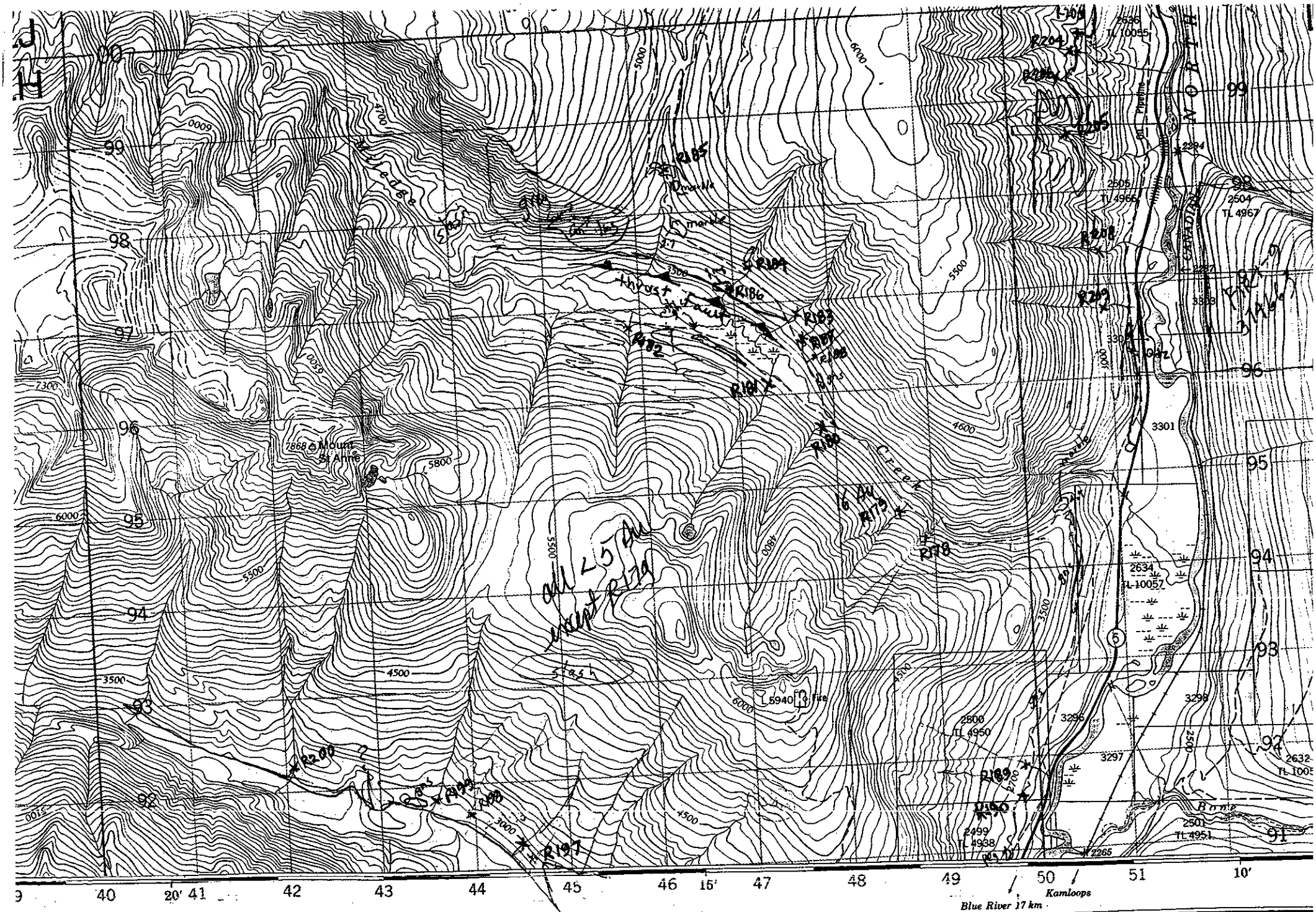
FEEDBACK: comments and suggestions for Prospector Assistance Program _____

OXBOWS SOUTH HALF

Area underlain by variety of schists + gneisses
interbedded by ~~quartzites~~ and some pegmatite. No true quartzites
Much massive grey lms in upper mile edge ck + thrust
fault mapped a base slope on " " by GSC.
Not much of interest to prospecting.

All samples except R179 (16 ppb Au) were less
than 5 ppb Au. Outcrop at R179 was a grey phyllite
some knotted. Pegmatite dykes were noted in area.
Perhaps R178 to R181 could be run for multi elements
using mass spec to check for pathfinder elements.





LEMPRIERE

KAMLOOPS DIVISION OF YALE LAND DISTRICT

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

CONVERSION SCALE FOR EL

dual highway - more than 2 lanes

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Name Gord Richards Reference Number P125

LOCATION/COMMODITIES

Project Area (as listed in Part A) Graffunder Lake MINFILE No. if applicable _____
 Location of Project Area NTS 08 M/11 Lat. 51°33'N Long. 119°34'W
 Description of Location and Access west of Varenby near Graffunder Lake.
Access by logging roads same overgrawm.

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

Main Commodities Searched For Au - Base metals

Known Mineral Occurrences in Project Area _____

WORK PERFORMED

1. Conventional Prospecting (area) 25 km²
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) 42 tills, 1 silt, 7 rx
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 1435 ppb Au in D371 RK chip float bleached w 3% py diss.
+ trace rhyolite.

Description of mineralization, host rocks, anomalies _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

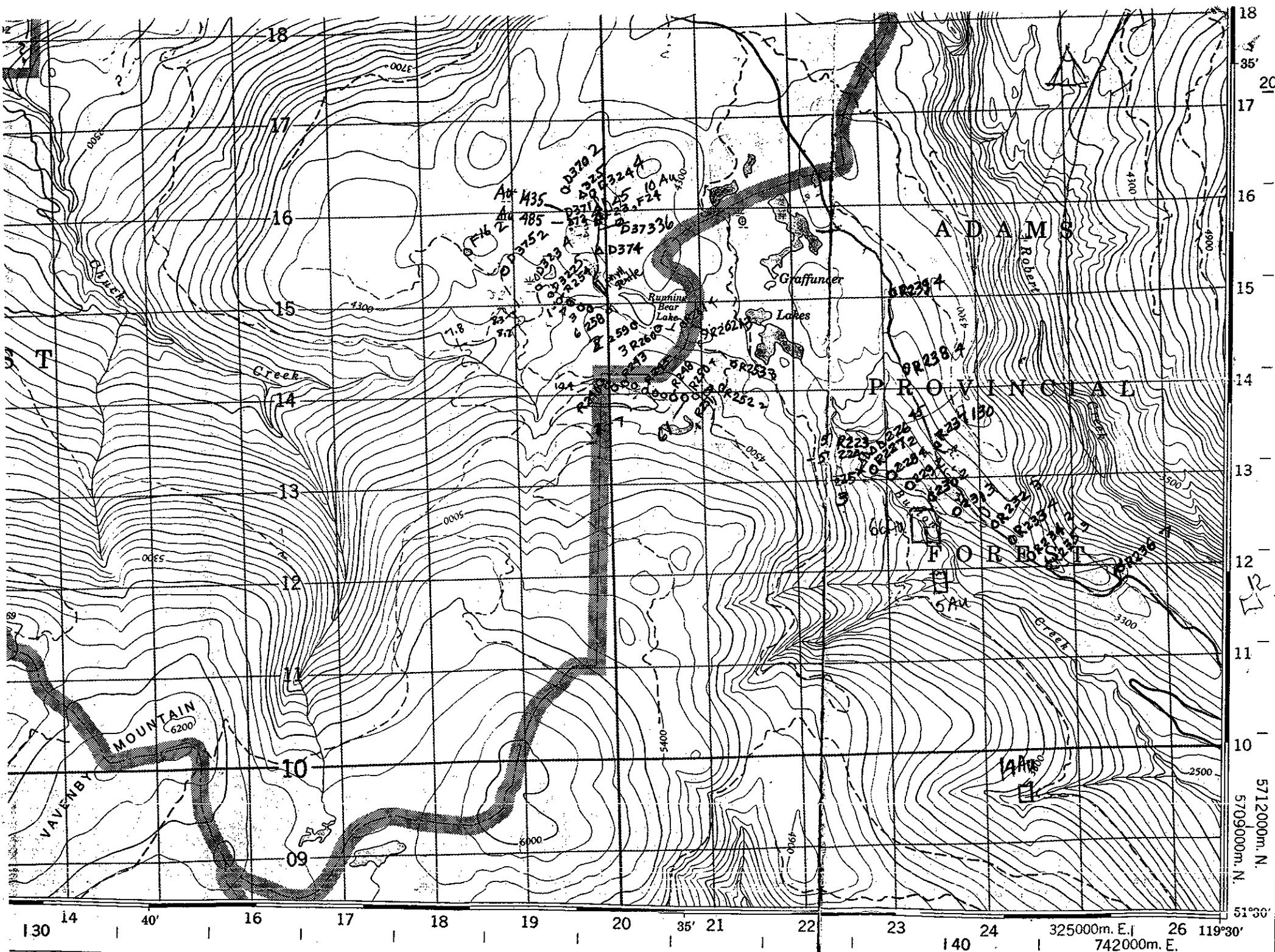
GRAFFUNDER LAKES

Area chosen late in year to follow up ^{get} high gold values reported on old CHUCK claim in east fork of upper Chuck Creek. Anomalous values in NE corner of claim were unexplained and occurred in area of drift w no outcrop. Burton Creek had returned 6.6 Au in R/S data. Thought tills might yield a gold target.

Area underlain by phyllites + schists + limestone marble of Eagle Bay Formation.

Tills were not encouraging except R237 - 130 ppb Au and D373 36. D371 was a rk sample of chip rap in road (could have been pulled from ditch) of 5 cm qtz vein w 2 bands of coarse grained py and minn grey s ϕ (galena?) 1435 ppb Au. D372 was nearby angular boulder of altered rhyolite. Silic^{ic} + bleaching evident w 2% s ϕ - pyrite wispy silica veinlets. Tiny specs galena (?) are rare.

~~Suggest~~ ^{rk} D371, ^{rk} D372, D373 till + R237, R238 should be run by ICP to check for base metals + ~~get~~ Au pathfinder elements. Drilled off massive s ϕ occurrence lies 4-5 km north. ~~Rhy~~ Altered rhyolite rubble could be related or large flats around Graffunder could be hiding another massive s ϕ target.





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 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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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										

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Project: MARTIN
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Page 1 of 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										

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 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										

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6170 TISDALL ST.,
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 V5Z 3N4

Project: MARTIN
 Comments: ATTN: GORDON RICHARDS

Page 1 of 3
 Total Pages :3
 Certificate Date: 25-AUG-2000
 Invoice No. : 10026161
 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									

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6170 TISDALL ST.,
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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	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 %
	201	202	EXT-AA																		
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:

Said Lemay



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 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	0.03	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

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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									

71005

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Page Number :1
 Total Pages :1
 Certificate Date: 12-OCT-2000
 Invoice No. : I0030541
 P.O. Number :
 Account : NDJ

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										

TILCS

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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									

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Project: RAFT
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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									
NE 101	216	202	5									

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 VANCOUVER, BC
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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									

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To: RICHARDS, GORDON

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 V5Z 3N4

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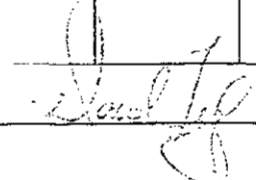
Page Number : 1
 Total Pages : 1
 Certificate Date: 18-OCT-2000
 Invoice No. : I0030556
 P.O. Number :
 Account : NDJ

CERTIFICATE OF ANALYSIS

A0030556

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								

TILLIS

CERTIFICATION:  +



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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. : 10030557
P.O. Number :
Account : NDJ

CERTIFICATE OF ANALYSIS **A0030557**

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

TULLS

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 212 Brooksbank Ave., North Vancouver
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To: RICHARDS, GORDON

6170 TISDALL ST.,
 VANCOUVER, BC
 V5Z 3N4

Project: RAFT
 Comments: ATTN: GORDON RICHARDS

Page 1 of 1
 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 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

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 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 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									

TILCS

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[Handwritten Signature]
 12 Oct 2000



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To: RICHARDS, GORDON

6170 TISDALL ST.,
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Page Number : 1
 Total Pages : 1
 Certificate Date: 05-OCT-2000
 Invoice No. : I0030492
 P.O. Number :
 Account : NDJ

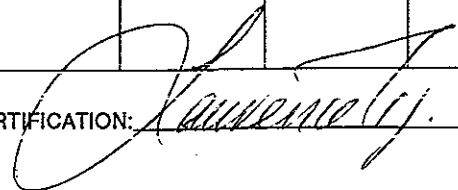
Project :
 Comments: ATTN: GORDON RICHARDS

CERTIFICATE OF ANALYSIS

A0030492

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D14	--	--	NotRecd	NotRecd								
R112	255	295	45	-----								
R113	255	295	15	-----								
R114	255	295	15	-----								
R115	255	295	10	-----								
R116	255	295	>10000	13.15								

PT

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

Project :

Comments: ATTN: GORDON RICHARDS

CERTIFICATE OF ANALYSIS

A0030544

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									

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Richardson

FX



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 212 Brooksbank Ave., North Vancouver
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To: RICHARDS, GORDON

6170 TISDALL ST.,
 VANCOUVER, BC
 V5Z 3N4

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

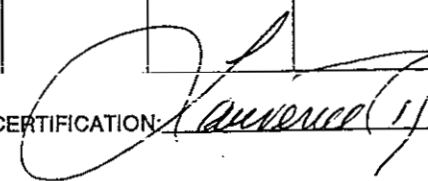
Project :
 Comments: ATTN: GORDON RICHARDS

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									

RX

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To: RICHARDS, GORDON

6170 TISDALL ST.,
 VANCOUVER, BC
 V5Z 3N4

Project :
 Comments: ATTN: GORDON RICHARDS

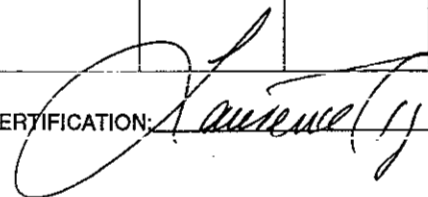
Page : 1
 Total Pages : 1
 Certificate Date: 11-OCT-2000
 Invoice No. : I0030546
 P.O. Number :
 Account : NDJ

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									

RX

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To: RICHARDS, GORDON

6170 TISDALL ST.,
VANCOUVER, BC
V5Z 3N4

Project:
Comments: ATTN: GORDON RICHARDS

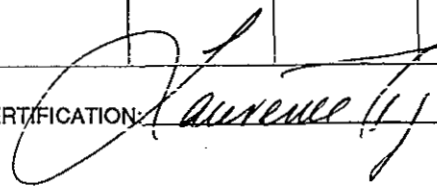
Page : 1
Total Pages : 1
Certificate Date: 11-OCT-2000
Invoice No. : I0030547
P.O. Number :
Account : NDJ

CERTIFICATE OF ANALYSIS

A0030547

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

RX

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To: RICHARDS, GORDON

6170 TISDALL ST.,
 VANCOUVER, BC
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 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	50.00	Minrlzd	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	40.00	Minrlzd	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:

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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: 17-OCT-2000
 Invoice No.: I0030549
 P.O. Number:
 Account: NDJ

CERTIFICATE OF ANALYSIS

A0030549

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
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	8.60	30	76

CERTIFICATION:

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To: RICHARDS, GORDON

6170 TISDALL ST.,
 VANCOUVER, BC
 V5Z 3N4

Project:
 Comments: ATTN: GORDON RICHARDS

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

CERTIFICATE OF ANALYSIS

A0030550

SAMPLE	PREP CODE		Au ppb	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 %
	EXT-AA																				
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

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To: RICHARDS, GORDON

6170 TISDALL ST.,
 VANCOUVER, BC
 V5Z 3N4

Project:
 Comments: ATTN: GORDON RICHARDS

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

CERTIFICATE OF ANALYSIS

A0030550

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
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	69
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-A
 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	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 %
	EXT-AA																				
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

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 Total Pages : 1
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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: _____

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To: RICHARDS, GORDON

6170 TISDALL ST.,
 VANCOUVER, BC
 V5Z 3N4

Project:
 Comments: ATTN: GORDON RICHARDS

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 Total Pages: 1
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 Invoice No.: 10030553
 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	minrlzd	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	0.58
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	< 2.0	190.0	1.50	< 2.00	40	< 0.50	0.37	11	9.0	8.0	10.00	minrlzd	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: _____

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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: 16-OCT-2000
 Invoice No.: I0030553
 P.O. Number:
 Account: NDJ

Project:
 Comments: ATTN: GORDON RICHARDS

CERTIFICATE OF ANALYSIS

A0030553

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
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

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To: RICHARDS, GORDON

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Project: BLUE
 Comments: ATTN: GORDON RICHARDS

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 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										

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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										

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To: RICHARDS, GORDON

6170 TISDALL ST.,
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 V5Z 3N4

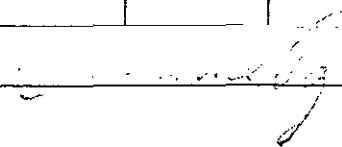
Project: BLUE
 Comments: ATTN: GORDON RICHARDS

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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											

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6170 TISDALL ST.,
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Project: BLUE
 Comments: ATTN: GORDON RICHARDS

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 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

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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. : I0032261
 P.O. Number :
 Account : NDJ

CERTIFICATE OF ANALYSIS	A0032261
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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								

SLOTS

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Project: BLUE
 Comments: ATTN: GORDON RICHARDS

Page No ar :1
 Total Pages :1
 Certificate Date: 06-NOV-2000
 Invoice No. : I0032259
 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										

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To: RICHARDS, GORDON

6170 TISDALL ST.,
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 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

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Handwritten signature and initials

Handwritten notes: F-1000000 7-10-00



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 V5Z 3N4

Project: MARTIN
 Comments: ATTN: GORDON RICHARDS

Page Number: 1-B
 Total Pages: 1
 Certificate Date: 21-NOV-2000
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 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

RERUNS from A0026161

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