

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

PROGRAM YEAR: 2001/2002

REPORT #: PAP 01-41

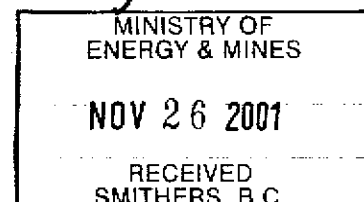
NAME: JOHN HOPE

Report by: John R Hope - prospector
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Phone (250) 771-3075 - cell - (780) 910-7666

Report in compliance with British Columbia Prospectors
Assistance Program for 2001

The 2001 prospecting program was focused on 3 area's (1) lower Blue River north of the Dease River (2) Upper Blue River on chromite mtn. and (3) Opal Lake near the Nahalin River. Three other area's were also prospected during this program. (1) Fall Gulch a tributary of upper Thibert creek. (2) west side of Dease Lake - east of Lyons Gulch and (3) Needle Point mtn. None of the area's prospected turned up any encouraging results, which was disapointing. The lower Blue River program was not totally completed to the satisfaction of this writer. Although the mineralization that was found on the lower Blue River project did not carry any significant values, the mineralization that is present is encouraging and further prospecting to the North of the area covered in this years program is warranted. Hopefully this can be accomplished in a 2002 program. Two groups of claims were staked during the 2001 season. Hazelwoodite #1 to #4 on Hazelwood creek in the upper Blue area. and Ready #7 to #18 on Needle point mtn. where massive sulphides were discovered in a stream following a fault. All assays were very low.





D. TECHNICAL REPORT



**BRITISH
COLUMBIA**

Ministry of Energy and Mines
Energy and Minerals Division

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

SUMMARY OF RESULTS

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

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

Name John R Hope Reference Number _____

LOCATION/COMMODITIES AREA 1

Project Area (as listed in Part A) Lower Blue River west of Dease MINFILE No. if applicable NONE

Location of Project Area NTS 104P/14 and 104P/15 River Lat 59° 45' 21" N Long 129° 00' 00" W

Description of Location and Access The area is located some 4 km below the confluence of the Blue River with the Dease River and north west of the Dease River. Access was by boat on the Dease River.

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

none

Main Commodities Searched For Gold

Known Mineral Occurrences in Project Area None

WORK PERFORMED

1. Conventional Prospecting (area) A stream west of the Dease River 4 miles
2. Geological Mapping (hectares/scale) below the confluence of the Blue River. APPROX 7 sq. km.
3. Geochemical (type and no. of 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) _____

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 John R. Hope Reference Number _____

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

The area is located north west of the Dease River some 4 km below the confluence of the Blue River.

2. PROGRAM OBJECTIVE [Include original exploration target.]

The objective of this program was to do follow-up prospecting in the areas which had indicated anomalous gold values done by a Geochem stream survey done instrumented by the ministry of mines and compiled by W. Jockaman in 2000.

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.]

AREA 1 Lower Blue River - Northwest of the Dease River.

The area lying west of the Dease river 4 miles below the confluence of the Blue river is covered with over hundred quite likely hundreds of feet thick with elevated areas of rock out crops. This location was of interest to the writer due to an area of an anomaly Geochem stream sample done by the Ministry of Mines in 1978 and compiled by W. Jockaman in 2000. 4 stream samples in the area ranged from 35 ppb to 150 ppbs.

Prospecting was carried out from a base camp established on the north west side of the Dease river and north of Precambrian Phyllites and Black platy limestone outcropping along the west side of the river. This

3. PROSPECTING RESULTS (continued)

showing was prospected and sampled. Large rounded pools of solid pyrite and iron that appear to start and end abruptly and are 2 to 4 feet in length and 2 to 6 inches wide. The outcropping is striking in a west to north direction putting it in line or on strike with the Breckenridge anomaly found in the stream to the west and in line with regional faulting. Largely from the showing were some what encouraging. Sample # 66210-1DR assayed 213 pp.m Zn. .60 PPM Ag. Sample # 66211-2DR. 894 PPM Zn. .8 PPM Ag or. 79m/mt and .02 Au. Sample # 66212-3DR. 159 PPM Zn. 2.9 PPM Ag or 3.2 gm/mt and .01 Au.

Prospecting west of the Dease River was not very productive due to a over burden and swamps. Large round depressions in the ground are abundant. High gravel ridges wind around these depressions. The highest point in the area is about 4.5 miles from the river at elevation 3,074 feet and is fated dolomite limestone with areas of calcite veining running in criss-cross directions. 3 samples were taken from this area and assays were very low in minerals. 2 silta samples taken in the area were very low in values and did not depict any Au values. Due to very tough conditions the entire area could not be reached from the Dease River camp site. Areas further to the west still have to be prospected and a centrally located camp put in by helicopter out of Watson Lake Y.T. some 35 miles away has to be established. More work to complete this project will be done in 2002.

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.]

All rock samples were taken from in place and consisted of approximately 4 to 5 lbs of rock placed in plastic sample bags. These samples were then split into $\frac{2}{3}$ lbs for assaying and $\frac{1}{3}$ lb kept for reference.

A marked copy of the assay is attached.

Stream sediment samples were taken from five stream sediments, placed in paper bags, dried and shipped for assay. Each sample was one to two pounds.

A marked copy of the assay is attached.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS (continued)

5. GEOPHYSICAL RESULTS [Specify the objective of the survey, the method used and the work done. Discuss the results and show the data on an accompanying map of appropriate scale. Any anomalous areas must be indicated on maps by the use of contouring, or some other suitable technique.]

There were no geophysical results.

5. OTHER RESULTS [Drilling - describe objective, type and amount of drilling done. Discuss results, including any significant intersections obtained. Indicate on a map of appropriate scale the drill-hole collar location, the angle of inclination and azimuth. Drill logs correlated with assay results must be included. **Physical Work** - describe the type and amount of physical work done and the reasons for doing it (where not self-evident). This includes lines/grids, trails, trenches, opencuts, underground work, reclamation, staking of claims, etc. Discuss results where pertinent.]

There were no other results.

Signature of Grantee

John R. Hays

Date

June 16, 2001

Signature of person filling out Final Prospecting Report if other than grantee



Limestone showing on Deer River (Lower Blue River)



Camp at Lower Blue River

D. TECHNICAL REPORT



BRITISH
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Energy and Minerals Division

- One technical report to be completed for each project area.
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SUMMARY OF RESULTS

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Name John R Hope Reference Number _____

LOCATION/COMMODITIES AREA 2

Project Area (as listed in Part A) Blue River nickel MINFILE No. if applicable 104P001

Location of Project Area NTS 104P12/W Lat 59 33 00 N Long 129 59 00 W

Description of Location and Access Nickel creek is a tributary of the upper Blue River and flows south of off Chromite mountain Access is by helicopter

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

NONE

Main Commodities Searched For Platinum, Bladium -

Known Mineral Occurrences in Project Area Nickel - Chromite

WORK PERFORMED

1. Conventional Prospecting (area) chromite mtn - chromite creek - nickel creek
2. Geological Mapping (hectares/scale) and Hazelwood creek - ice lake area.
3. Geochemical (type and no. of 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) _____

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.
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Name John R Hope Reference Number _____

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

The upper Blue river area is located on Chromite mtn north of the Blue river. The main creek flowing into the Blue from Chromite mtn is Nickel Creek.

2. PROGRAM OBJECTIVE [Include original exploration target.]

The objective of this program was to prospect the Blue river ultra mafics for Pt. Pd. mineralization

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.]

AREA 2 Chromite Mtn. upper Blue River

The Blue River ultra-mafics are located north of Blue river and are divided by Nickel Creek a tributary of Blue river that flows south east off of Chromite mtn. into the Blue river. The Blue river ultra-mafics are documented by W. J. Wolfe - 1964. This writer believed there was a possibility that some of the dikes could host Pt. Pd. minerals. An extensive prospecting program was carried out from Aug 15th to the 21st with very little results of any value although the area is large and not all of it could be prospected in detail, 3 locations were discovered that had significant mineralization. One on Hazelwood Creek, One on Nickel Creek and one near Ice Lake. The Hazelwood Creek showing is on a contact between

3. PROSPECTING RESULTS (continued)

Andesite Amphiboles and Peridotite. The zone of sulphides is on the west side of Hazelwood Creek approximately $\frac{1}{2}$ meter wide and striking in a north west direction and dipping slightly to the south. The mineralization appeared to be in an amphibole matrix and sulphides are in small grains throughout the rock and in some of distinct black clusters in some areas. The assay results from this showing did not indicate any minerals of value.

Sample # 66269-14 cm assayed 1233 ppm Ni. 44 ppm Cr and .03 Ag. .01 Au. .01 Pt. .01 Pd. gm/mt.

The Nickel Creek showing is on the south side of Nickel Creek in a cove at the head of the Creek and is in a re-generated diorite. Small specks of nickel along with some Hazelwoodite appear sparsely disseminated with pyroxenite in a rusty zone. This zone lies along the ultra-Mafic contact near a granit intrusion.

Assays from the area were not very encouraging. The best sample # 66247-3 cm assayed 2439 ppm nickel. .01 Pt. .01 Pd. gm/mt.

The Ice Lake showing is Chromite and appears in massive lens up to 6 inches wide and 40 to 60 feet long in diorite bands striking in a north-west direction. Chromite grains stand out on the smooth light brown weathered surfaces of the diorite throughout the Blue River ultra Mafic. Sample # 66246 cm taken close to the south east end of Ice Lake from a massive Chromite lens assayed 626 ppm Ni. 1225 ppm Cr. and .07 Pt. .01 Pd gm/mt.

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 analysts/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.]

All rock samples were taken from in place and consisted of approximately 4 to 5 lbs of rock placed in plastic sample bags. These samples were then split into $\frac{2}{3}$ lbs for assaying and $\frac{1}{3}$ kept for reference.

A marked copy of the assays is attached.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS (continued)

5. GEOPHYSICAL RESULTS [Specify the objective of the survey, the method used and the work done. Discuss the results and show the data on an accompanying map of appropriate scale. Any anomalous areas must be indicated on maps by the use of contouring, or some other suitable technique.]

There were no geophysical results.

5. OTHER RESULTS [Drilling - describe objective, type and amount of drilling done. Discuss results, including any significant intersections obtained. Indicate on a map of appropriate scale the drill-hole collar location, the angle of inclination and azimuth. Drill logs correlated with assay results must be included. **Physical Work** - describe the type and amount of physical work done and the reasons for doing it (where not self-evident). This includes lines/grids, trails, trenches, opencuts, underground work, reclamation, staking of claims, etc. Discuss results where pertinent.]

*4 - 2 post claims were located on
Hazelwood creek.
Hazelwoodite # 1 to # 4*

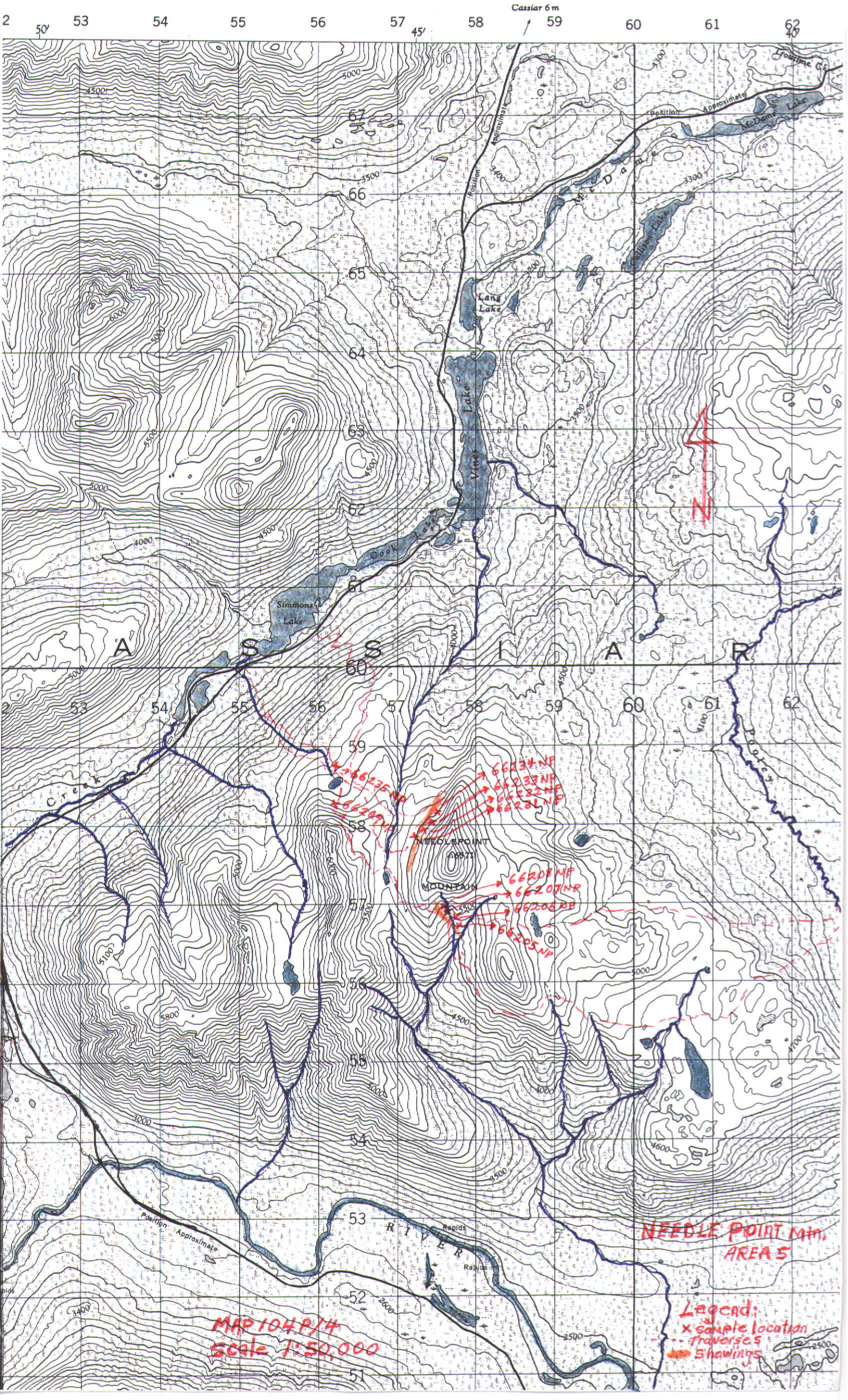
Signature of Grantee



Date

June 16, 2001

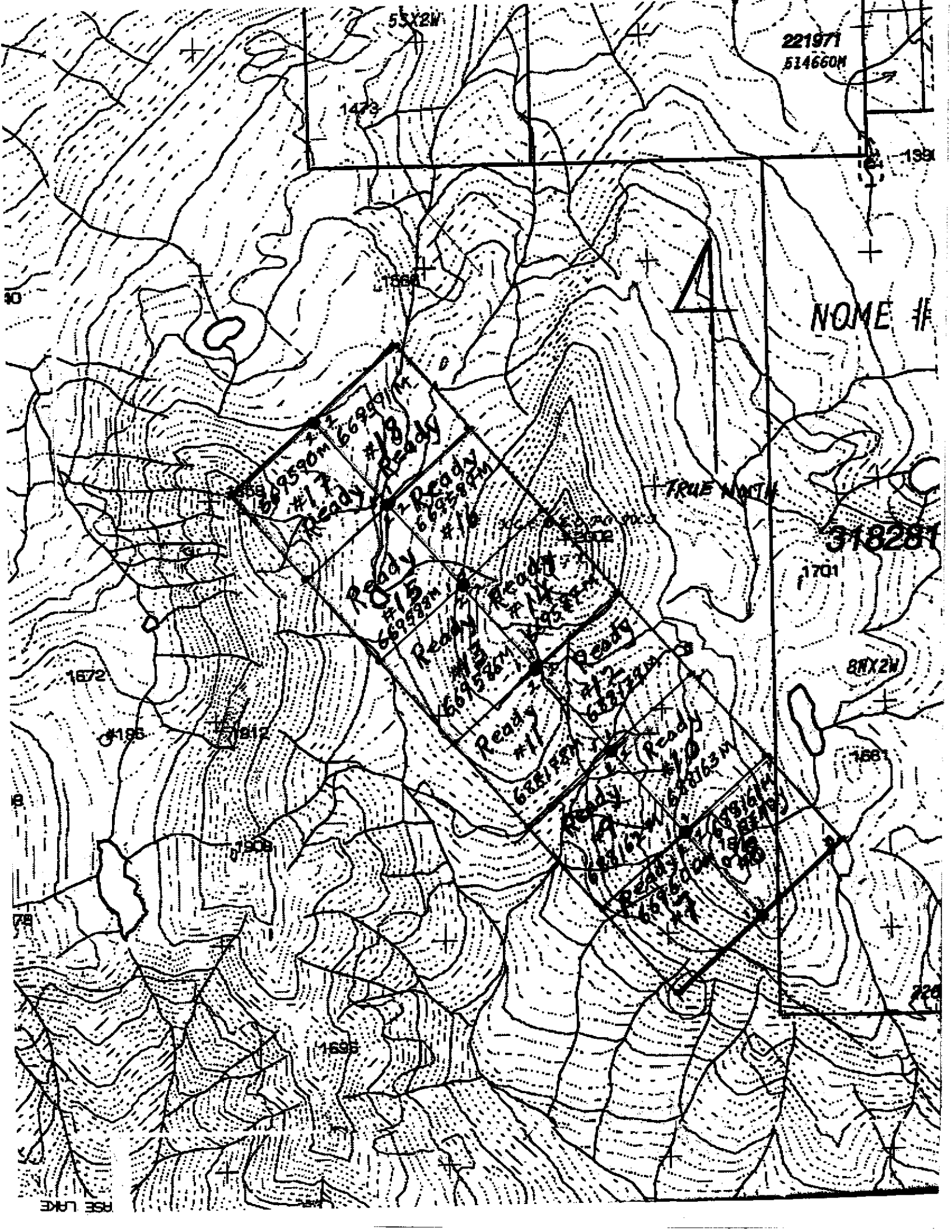
Signature of person filling out Final Prospecting Report if other than grantee



MAP 104P/4
Scale 1:50,000

NEEDLE POINT Mtn.
AREA 5

Legend:
x sample location
--- traverses
orange showings



55X2W

221971
514660M

NOME #

TRUE NORTH

318281

8NX2W

RSE LAKE



Solid sulphide showing on Needle Point Mtn.



Looking ~~west~~^{south} from Needle point Mtn showing. Note Hwy #37 in distance.

D. TECHNICAL REPORT



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COLUMBIA**

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Energy and Minerals Division

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SUMMARY OF RESULTS

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Name John R Hope Reference Number _____

LOCATION/COMMODITIES

Project Area (as listed in Part A) AREA 5 Needle point mtn. MINFILE No. if applicable _____

Location of Project Area NTS 104P/4 Lat 69°05'55N Long 129°30'45N

Description of Location and Access This area is located on the west and south west side of Needle Point mtn at elevation 5900 ft.

Access was by walking from Hwy 37 south of Simmons Lake

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

None

Main Commodities Searched For All Ag. T.A.

Known Mineral Occurrences in Project Area None in immediate area. south 2 km. is a silver lead. showing.

WORK PERFORMED

1. Conventional Prospecting (area) Needle point mtn. 3 sq miles
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of 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) _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

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Name, John R. Hope Reference Number _____

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

This area is located on the west and south west side of Needle point mtn at elevation 5,700 ft.

2. PROGRAM OBJECTIVE [Include original exploration target.]

The objective of this program was to due follow up prospecting on Bechem anomalies done by the ministry of mines. for Au, Ag, Zn and Ta.

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.]

AREA 5 Needle Point Mtn.

The Needle Point Mtn. property program was initiated for 2 reasons (1) The highest stream Bechem samples for the entire McDome map sheet region in Tantalum were taken from a stream running west from Needle Point Mtn. into Bass Creek (2) Very high gold silver and zinc stream Bechem anomalies are evident along the limestone contact with chert-quartz, arsenite, quartzite and greywacke. Prospecting in granite was carried out on the Tantalum Bechem anomaly stream. Large mica flakes and dark bluish-black feldspar (not molly.) was observed in some porous granitic granite. However assays were very low. 6.8 p.p.m. Ta.

3. PROSPECTING RESULTS (continued)

Further to the East a band of limestone striking in a North South direction lies against quartzite and grey wackes of the Selys group to the East and the granites of the Coeur d'Alene to the West. Rusty yellow staining is evident in several areas along the South West face of Needle Point Mtn. At elevation 4,500 ft. and varying in width from 30 to 90 feet on the West face of the mtn. some samples were taken from over a 180 ft. strike area in an oxidized zone of metamorphosed volcanics. Out of 5 assays the best sample # 66234-4 NP mtn. assayed 256 ppm As. 144 ppb Au. 6 ppb Pt. 5 ppb Pd. Further to the South on a stream flowing south from Needle Point Mtn into the Cottonwood river, massive sulphides were evident in a stream which appears to be following a fault. This showing was solid sulphides about 80 feet long and 3 to 4 feet wide dipping towards the East into the mtn. Brecciated limestone lies to the West and Shanty argillites to the East Carry sulphides. The best sample from this area assayed 1.3 Ag. g/t. and .01 Au. g/t. The results are very discouraging in view of the massive sulphides in the showing.

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.]

All rock samples were taken from
in place and consisted of approximately 4 to 5 lbs.
of rock placed in plastic sample bags. These samples
were then split into $\frac{2}{3}$ for assaying and $\frac{1}{3}$ rd
kept for reference.
A marked copy of the Assays is attached.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS (continued)

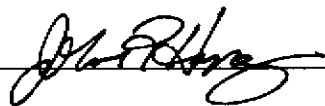
5. GEOPHYSICAL RESULTS [Specify the objective of the survey, the method used and the work done. Discuss the results and show the data on an accompanying map of appropriate scale. Any anomalous areas must be indicated on maps by the use of contouring, or some other suitable technique.]

There were no geophysical results.

5. OTHER RESULTS [Drilling - describe objective, type and amount of drilling done. Discuss results, including any significant intersections obtained. Indicate on a map of appropriate scale the drill-hole collar location, the angle of inclination and azimuth. Drill logs correlated with assay results must be included. **Physical Work** - describe the type and amount of physical work done and the reasons for doing it (where not self-evident). This includes lines/grids, trails, trenches, opencuts, underground work, reclamation, staking of claims, etc. Discuss results where pertinent.]

*12 - 2 part mineral claims were located.
Ready # 7 to # 18*

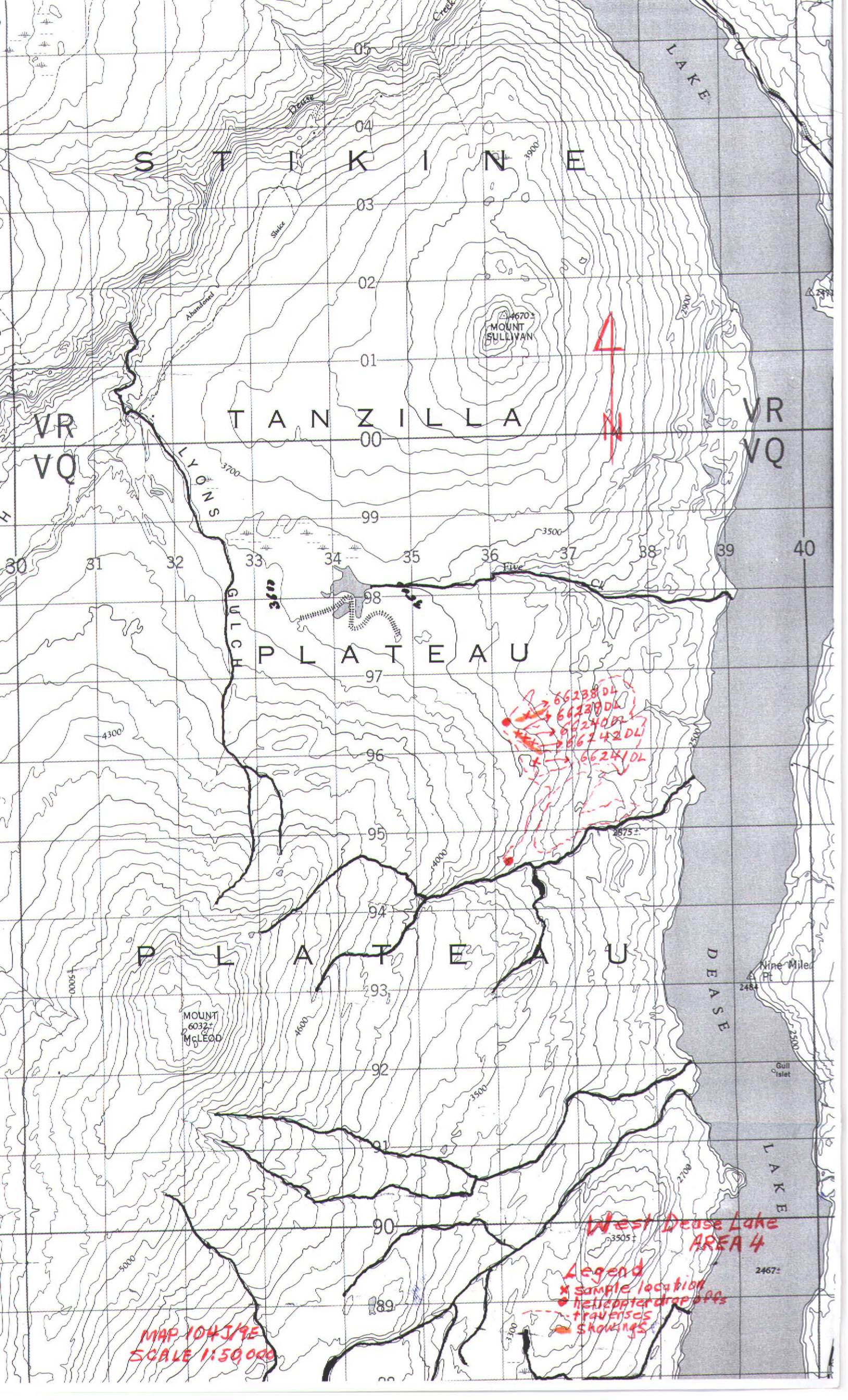
Signature of Grantee



Date

June 16, 2001

Signature of person filling out Final Prospecting Report if other than grantee



MAP 104J/9E
SCALE 1:50,000

West Dease Lake
AREA 4

Legend
x sample location
• helicopter drop offs
- traverses
■ showings



Shale on Quartz Creek a tributary of
Thicket Creek.



Proterozoic, Olivine showing West side of Deer Lake

D. TECHNICAL REPORT



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Energy and Minerals Division

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SUMMARY OF RESULTS

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Name John R Hope Reference Number _____

LOCATION/COMMODITIES

Project Area (as listed in Part A) AREA 4 West Dease Lake MINFILE No. if applicable _____

Location of Project Area NTS 104 J/9E Lat 58°30'97N Long 130°05'36W

Description of Location and Access This area is located on the west side of Dease Lake just east of the headwaters of Lyons Gulek and north east of Mt. McLeod. Access is by helicopter.

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

None

Main Commodities Searched For Pt. Pb. minerals

Known Mineral Occurrences in Project Area None

WORK PERFORMED

1. Conventional Prospecting (area) West Dease Lake #2 sq. miles
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of 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) _____

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.
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Name John R Hope Reference Number _____

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

This area is located on the west side of Dease Lake East of mt. Melend and Lyons Gulch.

2. PROGRAM OBJECTIVE [Include original exploration target.]

The objective of This program was to prospect a peridotite outcropping for Pt. Pd. minerals

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.]

AREA 4 West Dease Lake.

The West Dease Lake peridotite showing was examined by this writer due to observations in flying over the area and in checking the geology on the Dease Lake Geological map. Round pipe shaped pods of peridotite are lined out at elevation 3,400 feet a mile west of Dease Lake in a heavily wooded area. A brown limestone dike lies to the north of the outcrop striking in an east west direction. To the south of the limestone is serpentinized peridotite with localized areas of olivine present. Black specks of iron are evident in the olivine surrounded by a bluish stain. An olivine showing outcropping at the

3. PROSPECTING RESULTS (continued)

edge of a swampy area sampled as was the
disturbance which has small specks of visible
sulphides, to the north. The best assay from
this area was in the chlorine and assayed
2,082 ppm Ni. 2,359 ppm Co., 22 gmt Pd.
and was sample # 66242-BDL

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.]

All samples were taken from in place and consisted of approximately 4 to 5 lbs of rock placed in plastic sample bags. These samples were then split into $\frac{2}{3}$ for assaying and $\frac{1}{3}$ kept for reference. A marked copy of the assays is attached.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS (continued)

5. GEOPHYSICAL RESULTS [Specify the objective of the survey, the method used and the work done. Discuss the results and show the data on an accompanying map of appropriate scale. Any anomalous areas must be indicated on maps by the use of contouring, or some other suitable technique.]

There were no Geophysical Results.

5. OTHER RESULTS [Drilling - describe objective, type and amount of drilling done. Discuss results, including any significant intersections obtained. Indicate on a map of appropriate scale the drill-hole collar location, the angle of inclination and azimuth. Drill logs correlated with assay results must be included. **Physical Work** - describe the type and amount of physical work done and the reasons for doing it (where not self-evident). This includes lines/grids, trails, trenches, opencuts, underground work, reclamation, staking of claims, etc. Discuss results where pertinent.]

There were no other results.

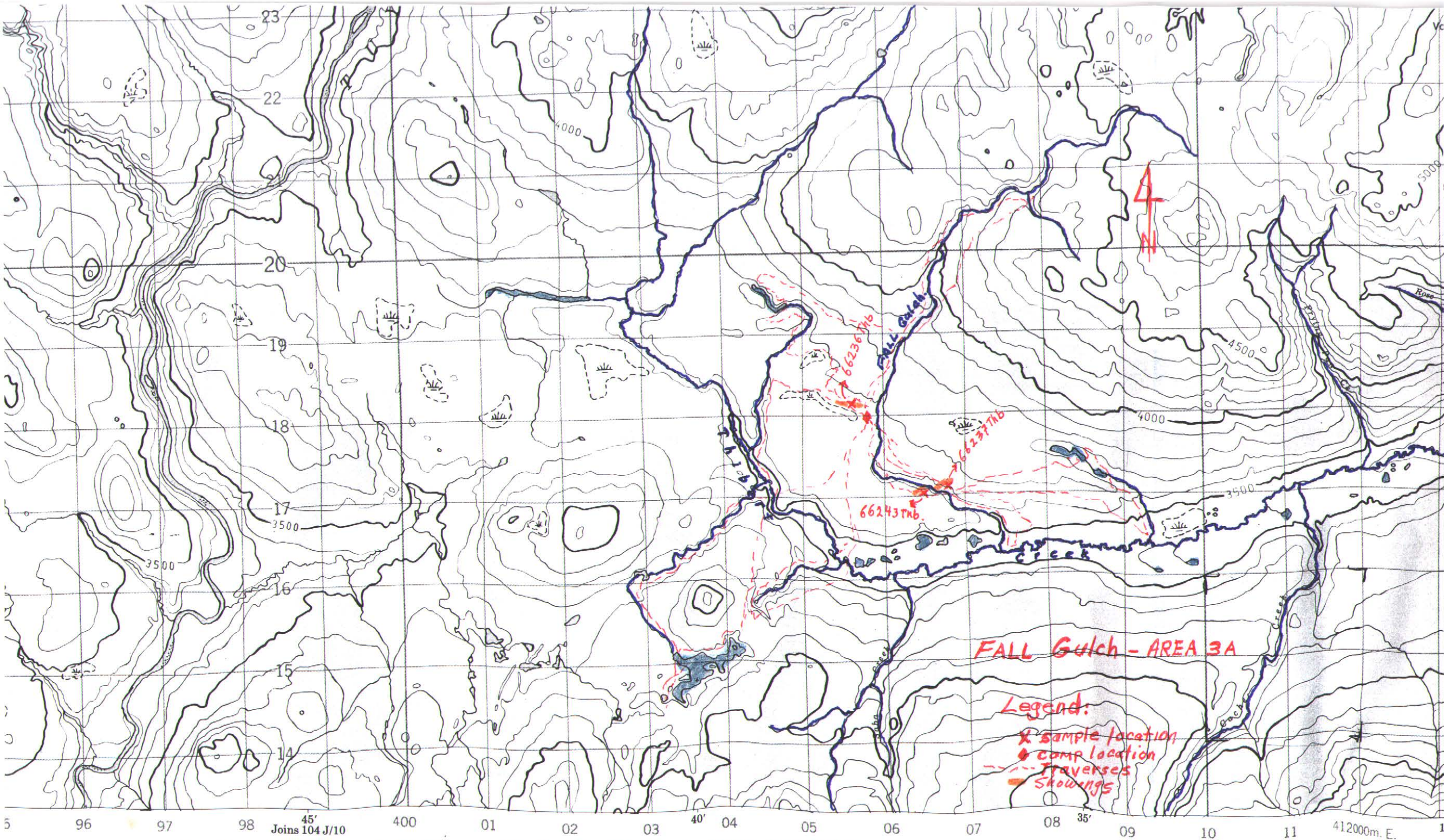
Signature of Grantee

John P. Dwyer

Date

June 16, 2001

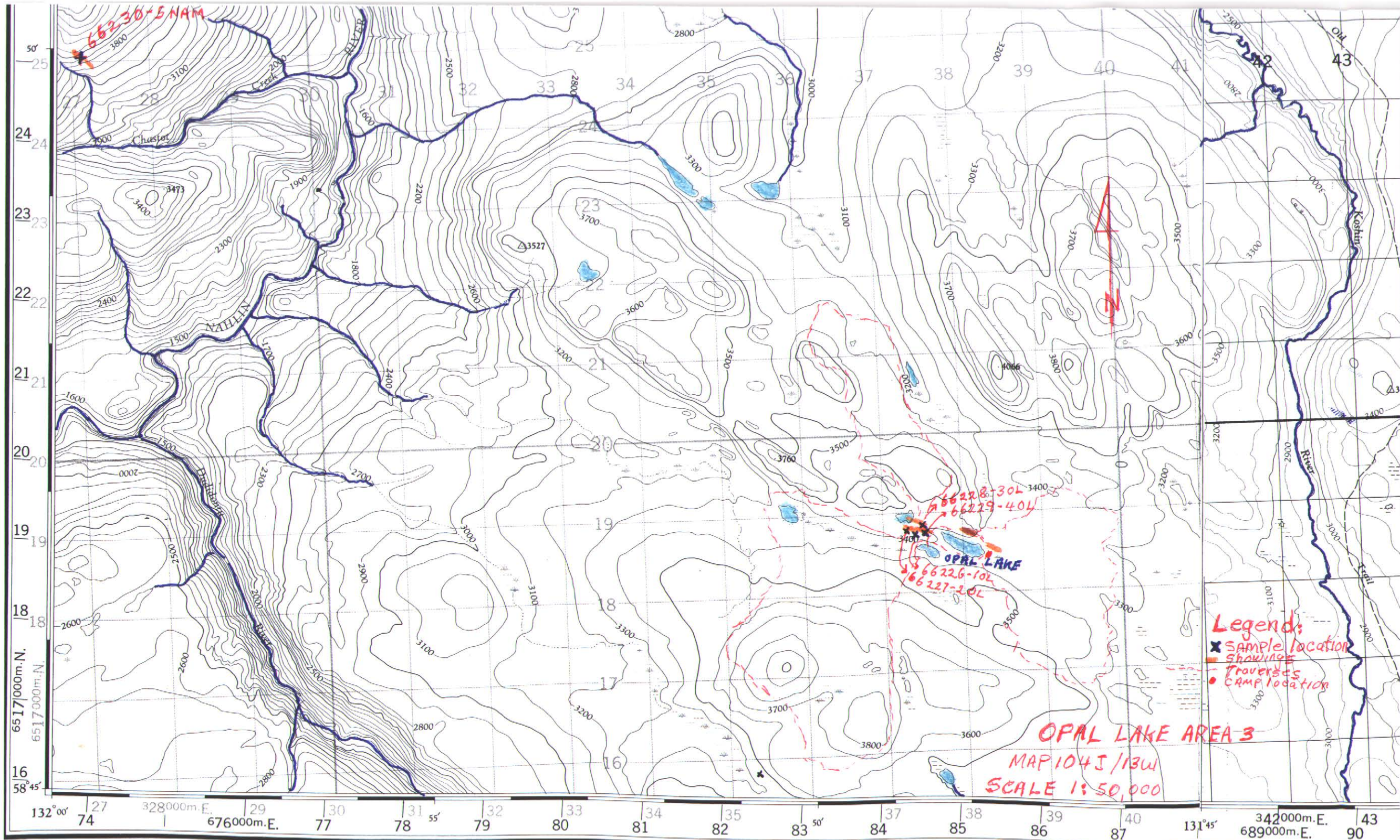
Signature of person filling out Final Prospecting Report if other than grantee



CALATA LAKE

Scale 1:50,000 MAP 104J/15



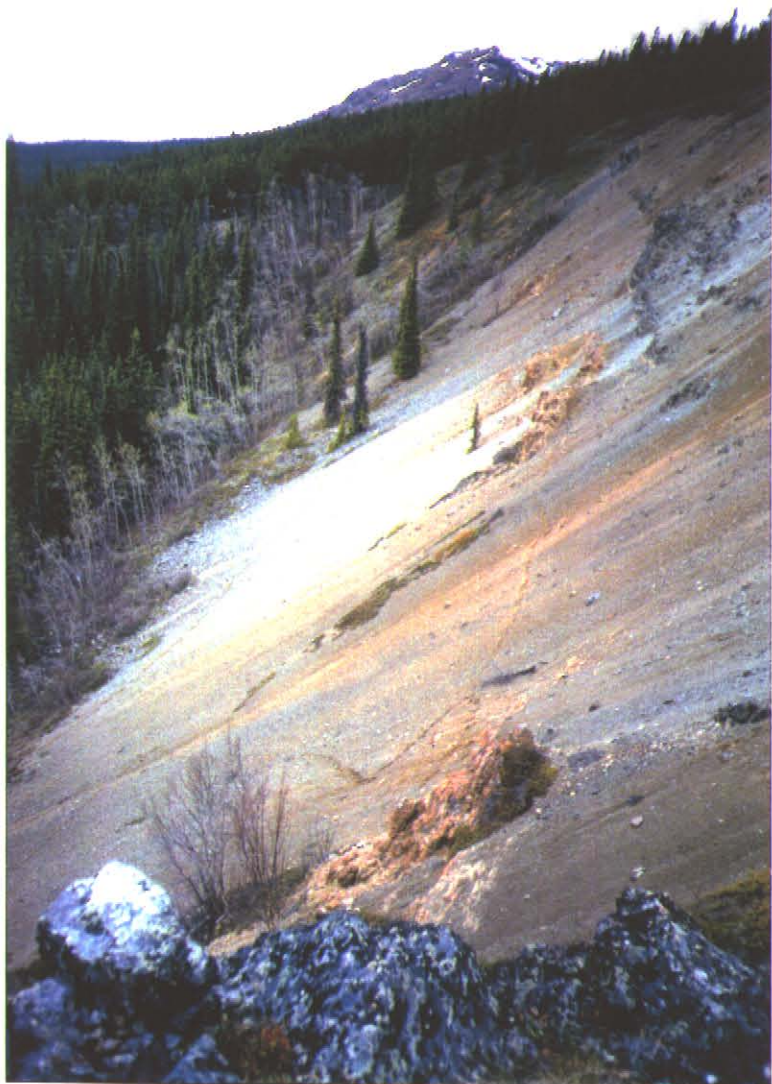




Fall Gulch looking west.



Camp on Fall Gulch.



Nickel showing on Nahalin Mtn



*Pacific Western helicopter pilot Tim Reed playing prospector,
opal lake area.*

D. TECHNICAL REPORT



**BRITISH
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Energy and Minerals Division

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

SUMMARY OF RESULTS

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

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

Name John R Hope Reference Number _____

LOCATION/COMMODITIES AREA 3

Project Area (as listed in Part A) Opal Lake - Fall Gulch MINFILE No. if applicable 104J 001

Location of Project Area NTS 104J/13W Opal Lake Lat 58°46'47" N Long 131°49'06" W

Description of Location and Access 104J/13 Fall Gulch Lat 58°45'18" N Long 136°30'08" W

Opal Lake is 9 miles east of Nahalin river Access is by float plane or helicopter
Fall Gulch is a tributary of upper Thibert creek Access is by helicopter

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

NONE

Main Commodities Searched For gold Platinum

Known Mineral Occurrences in Project Area gold nickel (Opal Lake)
gold in gravels (Fall Gulch)

WORK PERFORMED

1. Conventional Prospecting (area) Opal Lake-surrounding area Fall Gulch 6 sq
km.
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of 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) _____

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

John R Hope

Reference Number

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

The opal Lake area is located at Opal Lake 9 miles East of the Nahlin and west of Teddideich Lake.

The Fall Gulch area is located on Fall Gulch a tributary of upper Thibert creek

2. PROGRAM OBJECTIVE [Include original exploration target.]

The opal Lake program was to re-evaluate the showings and prospect the surrounding area for Au. Pt. Pd. values. The Fall Gulch program was to prospect the area for ~~check~~ outcroppings and find mineralization for assaying that may carry Au. Pt. Pd. values

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.]

AREA # 3 OPAL Lake:

The opal Lake deposit lies approx. 9 miles east of the Nahlin river near an unnamed lake on the map (locally called "Opal Lake") and west of Teddideich Lake @ elevation 1,044 meters. Since 1956 there has been sporadic work done on various showings by several different mining companies.

In examination of the showings in June of 2001 I realized that the work done was more extensive than I had thought and covered any visible outcrops in the area that were mineralized and even some that weren't. In prospecting the surrounding area there was very little outcroppings especially to the south and none with any visible mineralization. Rock types were mainly Cherty Argillites with some Andesitic Basalts in localized areas. To the north is limestone which is mostly dolomitic and runs in a east west

3. PROSPECTING RESULTS (continued)

direction paralleling the strike of the mineralized area which consists of a diastamitic - ankeritic alteration zone that is outcropping at various locations along the strike. The Nickel City showing at the west end of Opal Lake, some 500 meters from the lake is the most mineralized area and 4 samples were taken from this area and 3 assayed as follows: Sample # 66226-10L assayed 8,438 ppbs Ni. Sample # 66228-30L assayed 10 ppbs Au. and 2 ppbs Pd. Sample # 66229-40L assayed 3 ppb Ag, 3 ppb Au. and 6 ppb Pd. While none of these assays revealed any commercial quantity of minerals it does depict the fact they are present. A helicopter reconnaissance of the area was done on June 7th which involved checking all the visible outcrops along the Nakolin fault strike from Teddick Lake to Nakolin Mtn. No significant mineralization was found except on Nakolin mtn where sample # 66230 was taken from an listwanite outcrop and did not have any significant values when assayed.

The remote location, low values and difficult terrain of abundant overburden and swamps were most discouraging and led to the abandonment of the Opal Lake prospecting program. The program was finished off at Fall Gulch a tributary of Thibault Creek near its headwaters. The Fall Gulch area was of interest for 2 reasons (1) It produced over 25 oz of recorded placer gold and (2) a stream geochem for Pt, Pd done by this writer in 1998 had results of 24 ppb Pd. and 30 ppb Pt. Although no ultra-mafic rocks were discovered in prospecting the area, large bodies of slate and shales with a network of small quartz stringers throughout were evident through the area, some containing visible amounts of fine grained sulphides, however all assays were disappointing. Sample # 66243-6thb assayed 6 Ag and 0.02 Pd. Comments made by Elmer Stewart Consulting geologist for Trix Gold Corp of Calgary Alberta were, when he examined the area, "Based on geology and rock types for hosting gold mineralization of significant size, it is discouraging that no gold values were present in any of the assays. The Opal Lake and Fall Gulch programs were not very encouraging although some further work such as geochem could be conducted in the Opal Lake area which may lead to more targets for exploration."

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.]

All rock samples were taken from in place and consisted of approximately 4 to 5 lbs of rock placed in plastic sample bags. These samples were then split into $\frac{2}{3}$ and $\frac{1}{3}$ for assaying and one kept for reference.

A marked copy of the assay is attached.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS (continued)

5. GEOPHYSICAL RESULTS [Specify the objective of the survey, the method used and the work done. Discuss the results and show the data on an accompanying map of appropriate scale. Any anomalous areas must be indicated on maps by the use of contouring, or some other suitable technique.]

There were no Geophysical results.

5. OTHER RESULTS [Drilling - describe objective, type and amount of drilling done. Discuss results, including any significant intersections obtained. Indicate on a map of appropriate scale the drill-hole collar location, the angle of inclination and azimuth. Drill logs correlated with assay results must be included. Physical Work - describe the type and amount of physical work done and the reasons for doing it (where not self-evident). This includes lines/grids, trails, trenches, opencuts, underground work, reclamation, staking of claims, etc. Discuss results where pertinent.]

There were no other results.

Signature of Grantee

John P. Hines

Date

June 16, 2001.

Signature of person filling out Final Prospecting Report if other than grantee

' East decreasing 3.7' annually

ect to revision

BLUE RIVER ULTRA MAFICS

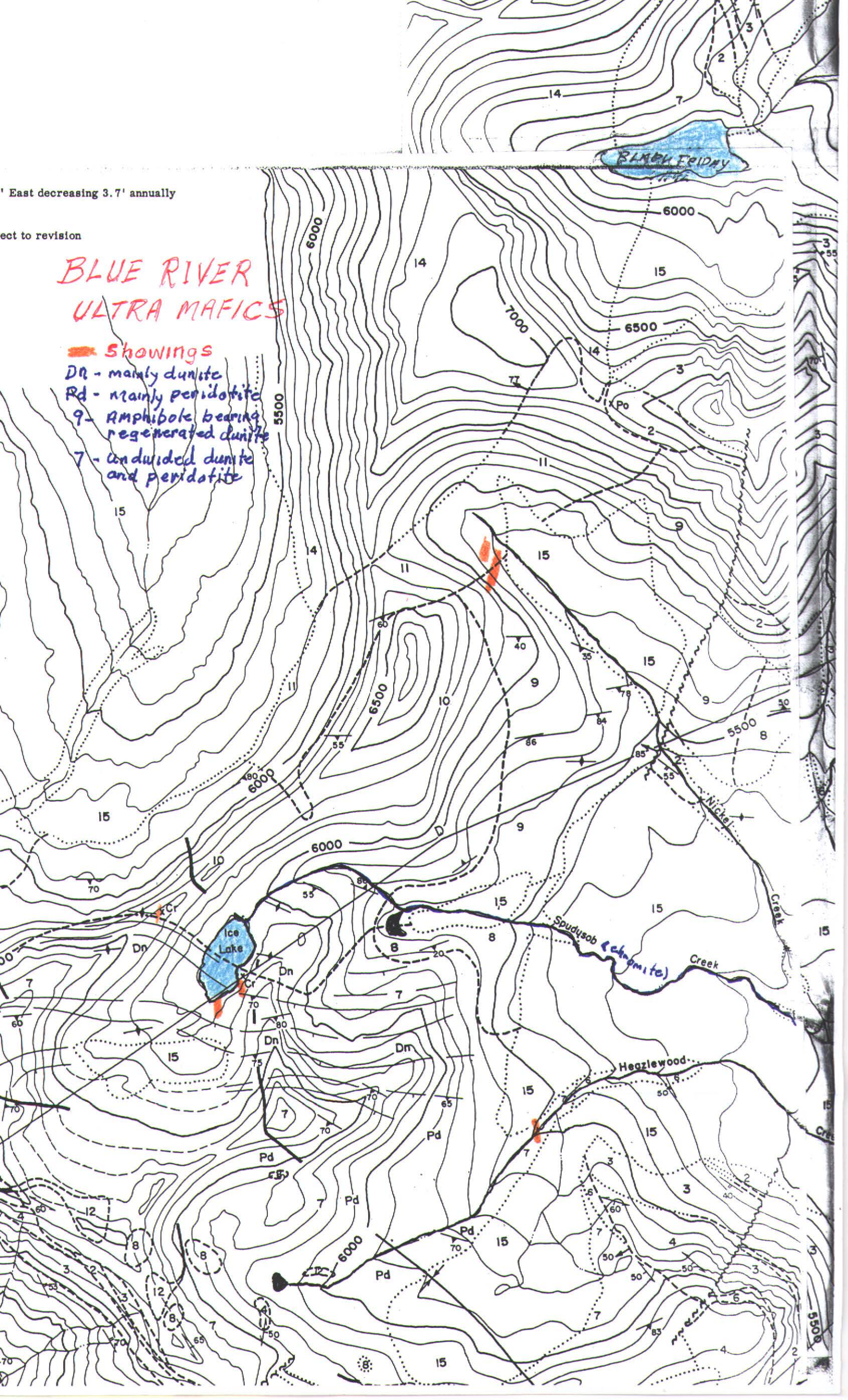
Showings

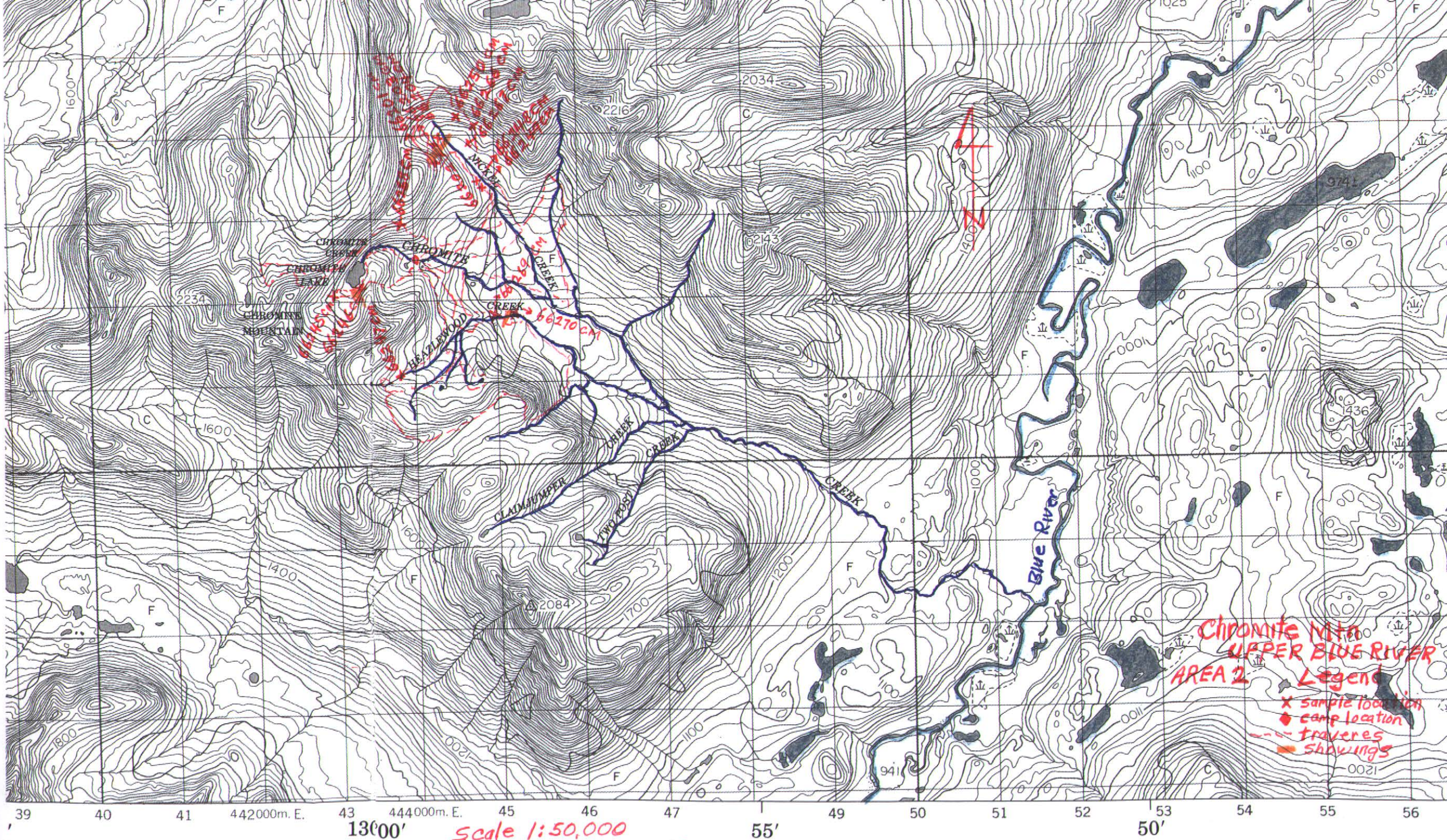
Dn - mainly dunite

Rd - mainly peridotite

9 - Amphibole bearing
regenerated dunite

7 - undivided dunite
and peridotite







shaving on Hazelwood creek



Paul Wojdole at Hazelwood creek showing



Ice Lake looking North

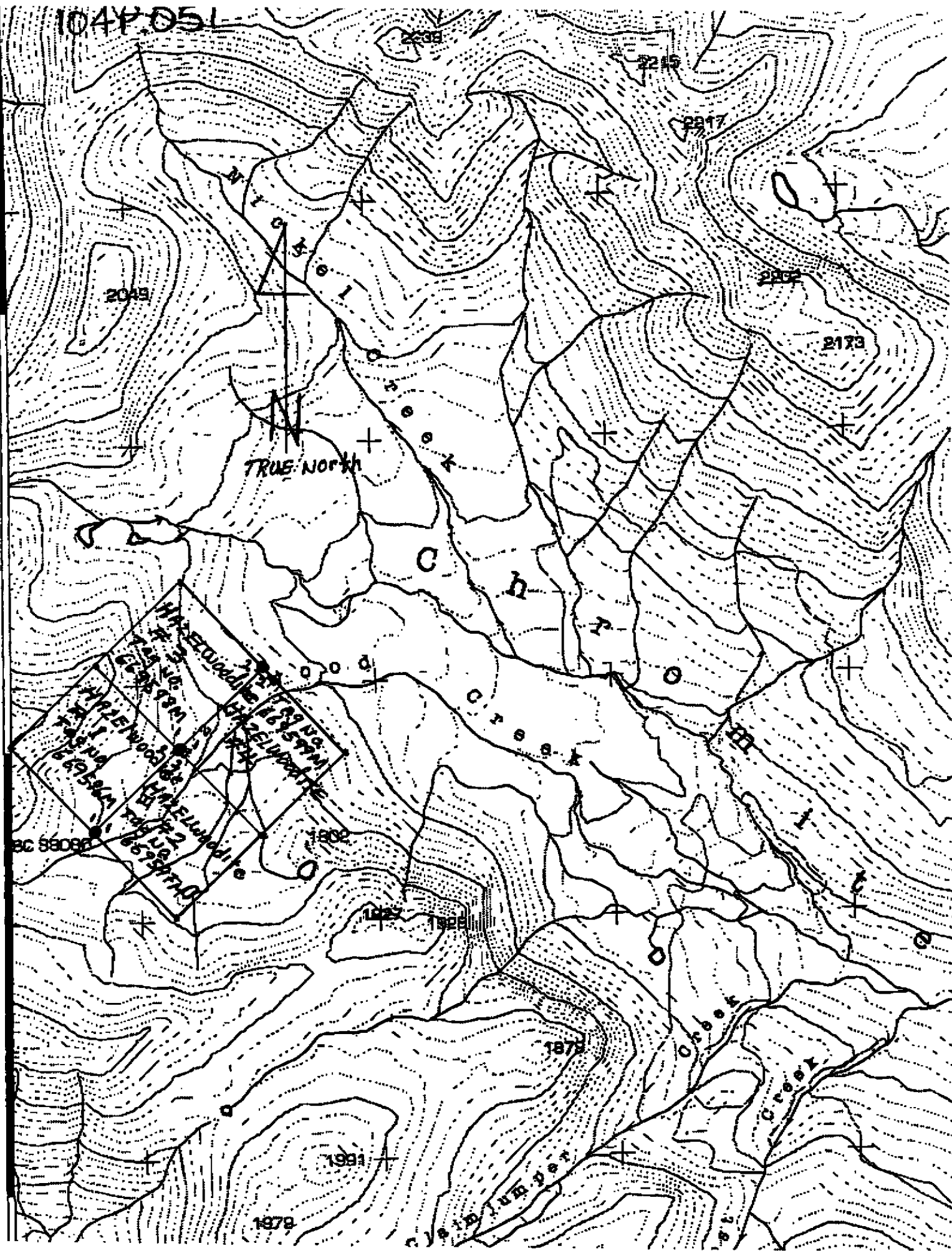


Ice lake looking south Chromite Mtn behind lake.



Looking north. Chromite creek in the distance

1044051





GEOCHEMICAL ANALYSIS CERTIFICATE

Epoch Holdings Ltd. File # A101784

P.O. Box 117, Dease Lake BC V0C 1L0 Submitted by: John Hope



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Pt**	Pd**	Ta
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb	ppb	ppm
66226-10L	5	5	<3	9	<.3	8438	128	381	3.17	70	8	<2	3	2	<.2	19	4	14	.11	.004	<1	182	10.30	9<.01	<3	.02	.01	.01	2	4	2	<2	-	
66227-20L	1	46	<3	36	<.3	61	18	415	2.87	<2	<8	<2	3	10	<.2	4	<3	74	1.05	.046	1	70	1.40	35	.23	3	1.78	.07	.09	2	<2	<2	<2	-
66228-30L	2	6	<3	9	<.3	1386	62	489	3.85	11	<8	<2	2	4	<.2	<3	<3	14	.09	.004	<1	358	12.91	22<.01	4	.04<.01	.02	2	10	<2	2	-		
66229-40L	5	11	<3	9	.3	1313	73	347	3.32	39	<8	<2	2	3	<.2	5	<3	14	.08	.005	<1	275	10.34	15<.01	3	.04<.01	.03	2	3	<2	5	-		
66230-5 NAM	3	5	<3	17	<.3	1653	85	637	4.06	4	<8	<2	2	7	.4	<3	3	3	2.66	.005	<1	133	9.44	40<.01	16	.01	.01	.01	4	<2	2	<2	-	
66231-1 NP MTN	4	70	5	79	.4	29	6	336	2.38	2	<8	<2	8	23	<.2	4	<3	74	.41	.055	15	113	.93	702	.13	<3	2.02	.09	1.13	<2	6	<2	8	-
66232-2 NP MTN	80	13	37	.3	38	6	366	1.43	<2	<8	<2	4	31	.2	<3	<3	56	.43	.012	3	61	.60	541	.04	<3	1.32	.03	.40	4	<2	<2	5	-	
66233-3 NP MTN	4	29	14	33	.5	18	3	138	1.18	9	<8	<2	4	83	.3	3	<3	22	.77	.009	2	85	.20	139	.04	4	1.39	.06	.06	3	4	<2	<2	-
66234-4 NP MTN	11	84	14	20	.4	37	43	214	5.35	256	<8	<2	9	708	.4	<3	7	30	5.13	.271	33	13	.18	48	.19	6	7.21	.96	.07	2	144	6	5	-
66235-5F NP MTN	9	60	4	46	<.3	27	14	242	4.04	3	10	<2	31	103	<.2	<3	<3	49	1.28	.016	23	95	.79	116	.18	6	3.31	.18	1.01	4	<2	2	<2	6.8
RE 66235-5F NP MTN	10	56	5	46	<.3	25	14	236	3.93	<2	8	<2	29	100	.2	<3	<3	45	1.25	.015	22	92	.77	111	.17	4	3.21	.17	.99	2	<2	<2	<2	6.9
66236-1 THB	3	25	5	24	<.3	14	4	78	.72	<2	<8	<2	3	9	<.2	<3	3	4	.03	.013	6	19	.09	2597	.01	7	.24	.01	.11	2	<2	<2	<2	-
66237-2 THB	8	208	<3	35	.5	19	9	224	.67	9	12	<2	3	21	.3	3	<3	10	.28	.023	4	110	.05	308<.01	18	.11	.01	.03	4	<2	<2	<2	-	
STANDARD C3/FA-10R	27	64	34	168	6.0	36	12	760	3.29	58	25	3	21	27	23.5	17	23	82	.56	.093	18	172	.60	147	.09	20	1.81	.04	.17	16	483	477	481	1.8

Standard is STANDARD C3/FA-10R/SO-15.

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.

UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

TA BY FUSION, ANALYSIS BY WR/MS.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

- SAMPLE TYPE: ROCK R150 AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 21 2001 DATE REPORT MAILED: July 3/01 SIGNED BY: C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Epoch Holdings Ltd. File # A101940

P.O. Box 117, Dease Lake BC V0C 1L0 Submitted by: John Hope

AA

AA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/mt	Au** gm/mt	Pt** gm/mt	Pd** gm/mt
56238-1DL	<1	3	<3	20	<.3	1659	94	521	4.28	4	<8	<2	<2	12	.3	3	3	8	.04	.002	<1	942	18.44	5	<.01	28	.09	.02	<.01	<2	<.3	<.01	<.01	<.01
56239-2DL	<1	1	<3	51	<.3	1916	108	618	5.25	7	<8	<2	<2	8	.2	4	3	18	.02	.004	<1	1592	20.34	5	.01	61	.14	.01	<.01	<2	-	-	<.01	.01
56240-3DL	<1	3	<3	23	<.3	2171	109	700	4.78	18	<8	<2	<2	2	<.2	<3	<3	32	.03	.003	<1	1680	21.78	5	<.01	94	.22	<.01	<.01	<2	-	-	<.01	.02
56241-4FDL	5	69	<3	12	<.3	15	7	137	3.14	6	<8	<2	5	76	.2	<3	3	60	1.77	.053	11	29	1.14	114	.11	<3	2.76	.29	.08	<2	<.3	<.01	.02	.02
56242-5DL	<1	6	<3	26	<.3	2082	101	812	4.85	4	<8	3	<2	1	.3	<3	3	42	.06	.005	<1	2359	22.32	1	<.01	109	.52	<.01	<.01	<2	<.3	<.01	<.01	.02
56243-6THB - Thibet creek	6	47	7	90	.5	25	1	409	5.49	5	<8	<2	3	6	.4	5	3	62	.08	.074	17	97	1.34	100	.02	<3	1.99	.03	.21	<2	.6	<.01	<.01	.02
56244-7NW - north west mtn	1	50	<3	44	<.3	9	12	390	3.98	<2	<8	<2	<2	78	<.2	<3	<3	137	2.02	.104	3	17	1.01	37	.12	<3	2.86	.33	.07	<2	-	-	<.01	.01
RE 56244-7NW	1	50	<3	44	<.3	11	11	379	3.91	2	<8	<2	<2	78	<.2	<3	3	133	2.00	.105	4	18	.99	36	.11	<3	2.81	.34	.07	<2	-	-	<.01	.01
STANDARD C3/R-1/FA-10R	28	66	31	178	6.1	37	11	809	3.44	57	22	3	21	29	22.9	15	22	88	.57	.089	19	181	.63	153	.10	21	1.89	.04	.16	16	97.5	.51	.49	.50
STANDARD G-2	1	4	<3	44	<.3	8	4	562	2.00	<2	<8	<2	5	71	<.2	<3	3	43	.66	.092	8	80	.61	219	.14	3	.92	.07	.45	3	-	-	-	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 AG** AU** PT** & PD** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 3 2001

DATE REPORT MAILED:

July 13/01

SIGNED BY: C. L. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

REVISED COPY

GEOCHEMICAL ANALYSIS CERTIFICATE

Epoch Holdings Ltd. File # A102886

P.O. Box 117, Dease Lake BC V0C 1L0 Submitted by: John Hope

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
66245-1CM	<1	18	15	44	<.3	2110	110	836	5.50	2	<8	<2	<2	<1	<.2	<3	<3	16	.06	.002	<1	830	21.07	4	<.01	3	.22	.01	<.01	<2
66246-2CM	1	111	5	10	<.3	626	10	112	.95	<2	<8	<2	<2	<1	<.2	<3	<3	15	.02	.001	<1	1225	3.05	<1	.01	<3	.91	<.01	<.01	2
66247-3CM	<1	3	<3	24	<.3	2439	121	826	5.03	5	<8	<2	<2	<1	<.2	3	3	7	.02	.004	<1	796	24.08	2	<.01	26	.07	.01	<.01	<2
66248-4CM	1	1	<3	23	<.3	2015	103	654	5.44	5	<8	<2	<2	1	<.2	<3	<3	19	.08	.004	<1	472	20.52	4	.01	8	.15	<.01	<.01	<2
66249-5CM	1	2	<3	21	<.3	1793	95	664	4.36	4	<8	<2	<2	1	<.2	<3	<3	14	.09	.003	<1	696	18.67	2	<.01	5	.11	<.01	<.01	2
66250-10CM	1	15	4	10	<.3	275	19	246	1.87	23	<8	<2	<2	19	<.2	<3	<3	36	1.77	.002	<1	326	1.94	5	.02	3	1.61	.01	<.01	<2
66266-11CM	4	737	<3	21	.4	64	51	197	5.93	<2	<8	<2	2	184	.3	<3	<3	145	3.87	.061	4	22	.74	86	.29	<3	5.89	.19	.47	<2
66267-12CM	1	4	<3	18	<.3	2053	105	719	5.28	2	<8	<2	<2	1	<.2	<3	<3	12	.06	.003	<1	366	20.28	3	<.01	9	.16	<.01	<.01	2
66268-13CM	<1	6	<3	22	<.3	1370	73	521	4.00	2	<8	<2	<2	3	<.2	<3	3	25	.81	.002	<1	1480	13.56	1	.02	32	.54	<.01	<.01	<2
66269-14CM	<1	44	3	15	<.3	1233	56	747	4.37	23	<8	<2	<2	135	<.2	<3	<3	11	7.31	.002	<1	310	4.36	22	.01	4	.15	.01	.01	<2
RE 66269-14CM	<1	43	3	16	<.3	1194	54	736	4.23	21	<8	<2	<2	130	<.2	<3	<3	12	7.10	.003	<1	301	4.25	21	.01	3	.15	.01	.01	<2
66270-15CM	<1	3	<3	18	<.3	1612	88	753	4.89	4	<8	<2	<2	2	<.2	<3	<3	25	.43	.004	<1	791	14.97	4	.01	65	.28	.01	<.01	<2
66272-5YK	1	8700	25675	5571	176.1	6	1	118	.36	318	10	<2	<2	14	38.9	4429	<3	1	.02	.001	1	8	.09	19	<.01	4	.12	<.01	.04	<2
STANDARD C3	26	68	34	165	6.3	37	13	782	3.45	56	18	3	19	30	23.5	18	24	83	.59	.089	19	170	.63	154	.10	19	1.89	.04	.17	20
STANDARD G-2	1	3	3	41	<.3	9	6	534	2.00	<2	<8	<2	4	69	<.2	<3	<3	41	.63	.093	7	74	.61	218	.14	3	.92	.07	.44	2

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO₃-H₂O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.

UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 27 2001

DATE REPORT MAILED: Sept 8/01

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



ASSAY CERTIFICATE



Epoch Holdings Ltd. File # A102886

P.O. Box 117, Dease Lake BC V0C 1L0 Submitted by: John Hope

SAMPLE#	Ag** gm/mt	Au** gm/mt	Pt** gm/mt	Pd** gm/mt
66245-1CM	-	-	<.01	<.01
66246-2CM	-	-	.07	<.01
66247-3CM	-	-	<.01	<.01
66248-4CM	-	-	.01	<.01
66249-5CM	-	-	<.01	<.01
66250-10CM	-	-	-	-
66266-11CM	-	-	<.01	<.01
66267-12CM	-	-	-	-
66268-13CM	-	-	-	-
66269-14CM	<.3	<.01	<.01	<.01
RE 66269-14CM	<.3	<.01	<.01	<.01
66270-15CM	-	-	.03	.03
66271-4QC	<.3	.02	-	-
66272-5YK	4604.4	.06	-	-
66273-6DL	12.2	<.01	-	-
STANDARD FA-10R	-	.47	.47	.48

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.

- SAMPLE TYPE: ROCK R150 60C

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 27 2001

DATE REPORT MAILED:

Sept 8/01

SIGNED BY:

C. L.

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



GEOCHEMICAL ANALYSIS CERTIFICATE



Epoch Holdings Ltd. File # A103734

P.O. Box 117, Dease Lake BC V0C 1L0 Submitted by: John Hope

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Ta	Nb
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	%	%
SI	<1	<1	<3	3	<.3	<1	1	9	.03	<2	<8	<2	<2	4	<.2	<3	<3	<1	.10	<.001	<1	2	<.01	4	<.01	<3	.01	.46	<.01	<2	-	-
AREA 2 66201-6CM	<1	35	<3	2	.6	2096	115	918	5.50	63	<8	<2	<2	1	.2	4	<3	<1	.10	.003	<1	280	18.11	2	<.01	12	.21	<.01	<.01	<2	-	-
66202-7CM	2	47	<3	4	.5	2079	120	866	5.19	74	<8	<2	<2	2	<.2	3	<3	4	.14	.003	<1	300	17.98	5	<.01	15	.20	.01	<.01	<2	-	-
66203-8CM	3	45	<3	7	.5	2111	115	1110	5.69	62	<8	<2	<2	1	<.2	<3	<3	<1	.09	.003	<1	257	20.65	4	<.01	27	.13	<.01	<.01	<2	-	-
66204-9CM	1	19	<3	3	.5	2282	123	814	5.46	35	<8	<2	<2	1	<.2	4	<3	2	.05	.003	<1	362	17.75	4	<.01	8	.17	<.01	<.01	<2	-	-
66205-1NP	4	9	15	31	<.3	23	16	273	3.94	<2	<8	<2	<2	69	.9	<3	<3	62	1.60	.388	25	13	.39	42	.25	4	2.00	.26	.15	<2	-	-
66206-2NP	1	41	3	20	<.3	63	40	273	4.28	27	<8	<2	<2	43	.6	<3	<3	160	6.67	.259	10	54	.62	205	.32	8	3.10	.03	.64	<2	-	-
66207-3NP	<1	39	6	10	<.3	109	26	875	3.55	25	<8	<2	<2	68	.8	<3	<3	168	14.54	.153	10	40	.39	34	.24	<3	1.22	<.01	.18	<2	-	-
RE 66207-3NP	1	39	7	11	<.3	110	26	879	3.57	29	<8	<2	<2	68	.5	<3	<3	167	14.67	.153	10	38	.39	32	.22	<3	1.21	<.01	.18	<2	-	-
66208-4NP	2	7	31	48	.9	10	1	46	31.66	17	<8	<2	2	3	.6	<3	<3	7	.28	.004	1	29	.01	9	.01	<3	.04	.01	.04	<2	-	-
66209-5NP	7	5	17	88	<.3	5	<1	4777	3.75	51	<8	<2	3	9	.4	<3	5	5	.17	.016	135	81	.06	20	.03	18	.41	.04	.33	2	<.001	.014
66210-1DR	16	15	7	213	.6	42	1	102	5.40	36	<8	<2	<2	509	2.4	7	<3	72	15.67	.049	6	17	.33	82	<.01	8	.22	.01	.15	2	-	-
66211-2DR	26	21	15	194	.8	58	<1	102	23.15	135	<8	<2	<2	39	4.0	27	4	108	4.45	.029	1	39	.73	13	<.01	<3	.10	.01	.08	2	-	-
66212-3DR	27	93	98	159	2.9	72	<1	210	28.58	325	<8	<2	<2	34	2.8	125	<3	115	2.13	.015	2	29	.14	17	<.01	<3	.09	.01	.05	2	-	-
66213-4DR	6	23	24	18	.4	22	<1	34	29.91	119	<8	<2	2	57	<.2	21	<3	35	2.46	.009	1	36	.07	12	<.01	<3	.05	<.01	.05	<2	-	-
66214-5DR	1	1	8	5	<.3	3	1	109	.15	6	<8	<2	<2	189	.2	<3	<3	2	35.66	.003	3	<1	.08	186	<.01	<3	.04	.01	.03	<2	-	-
66215-6DR	1	1	3	2	<.3	1	1	74	.14	4	<8	<2	<2	213	<.2	<3	<3	<1	32.22	.004	4	1	.69	55	<.01	<3	.04	.01	.04	<2	-	-
STANDARD DS3	10	133	32	164	.3	35	12	860	3.42	33	<8	<2	2	29	5.8	4	7	83	.50	.099	18	188	.62	148	.09	3	1.66	.04	.18	4	-	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO₃-H₂O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
TA & NB BY FUSION, ANALYSIS BY WHOLE ROCK ICP ASSAY.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 22 2001

DATE REPORT MAILED:

Oct 31/01

SIGNED BY:

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

ASSAY CERTIFICATE

Epoch Holdings Ltd. File # A103734

P.O. Box 117, Dease Lake BC V0C 1L0 Submitted by: John Hope

SAMPLE#

Ag** Au** Pt** Pd**
gm/mt gm/mt gm/mt gm/mt

SI	<.3	.03	<.01	<.01
66201-6CM	-	-	<.01	<.01
66202-7CM	-	-	<.01	<.01
66203-8CM	-	-	<.01	<.01
66204-9CM	-	-	.01	.01
Chromite Mtn upper Blue River				
66205-1NP	<.3	<.01	-	-
66206-2NP	.6	<.01	-	-
66207-3NP	.3	.01	-	-
RE 66207-3NP	<.3	.01	-	-
66208-4NP	1.3	.01	-	-
Needle Point Mtn				
66209-5NP	-	-	-	-
66210-1DR	<.3	<.01	-	-
66211-2DR	.7	.02	-	-
66212-3DR	3.2	.01	-	-
66213-4DR	.3	<.01	-	-
Lower Blue River on Dease River				
66214-5DR	<.3	<.01	-	-
66215-6DR	<.3	<.01	-	-
STANDARD R-1/FA-10R	102.0	.49	.49	.47

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.

- SAMPLE TYPE: ROCK R150 60C

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 22 2001

DATE REPORT MAILED: Oct 31/01

SIGNED BY: C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
(ISO 9002 Accredited Co.)

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716



GEOCHEMICAL ANALYSIS CERTIFICATE

Epoch Holdings Ltd. File # A103735

P.O. Box 117, Dease Lake BC V0C 1L0 Submitted by: John Hope



Blue Lower River area 1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
G-1	1	2	4	40	<.3	5	4	531	1.74	<2	<8	<2	2	59	<.2	<3	<3	36	.46	.096	7	10	.52	228	.11	<3	.76	.06	.48	2
SILT #1 DR	1	18	8	51	<.3	26	8	282	1.78	3	<8	<2	<2	151	.4	<3	<3	24	7.21	.057	7	24	1.05	350	.02	5	.67	.01	.07	<2
SILT #2 DR	11	21	7	112	<.3	60	9	374	2.17	9	<8	<2	<2	60	.9	3	<3	88	3.61	.091	11	47	1.39	157	.05	<3	.61	.01	.06	<2
RE SILT #2 DR	10	21	5	111	.4	57	9	362	2.13	10	<8	<2	<2	58	.8	3	<3	87	3.49	.086	10	46	1.36	159	.05	3	.59	.01	.06	<2
STANDARD D93	10	129	35	161	<.3	35	12	839	3.24	33	10	<2	<2	27	5.9	6	7	79	.52	.097	17	185	.60	154	.08	<3	1.76	.04	.16	4

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SILT SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 22 2001 DATE REPORT MAILED: *Oct 26/01* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS