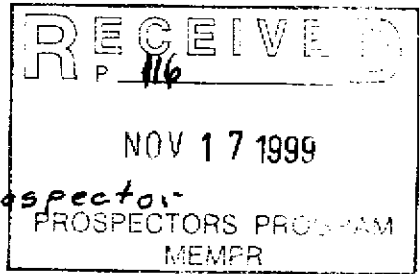


BRITISH COLUMBIA
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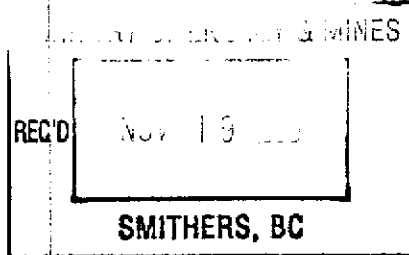
PROGRAM YEAR: 1999/2000

REPORT #: PAP 99-43

NAME: JOHN HOPE



Report by: John R. Hope - prospector -
P.O. Box 117
Dease Lake, B.C. V0C 1L0
Phone (250) 771-3075 or (780) 444-7147

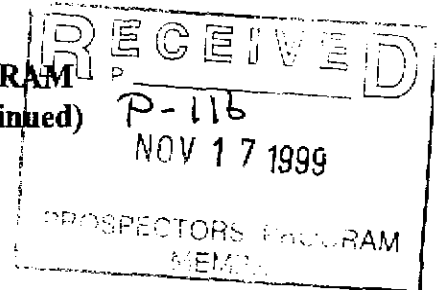


Report in compliance with British Columbia Prospectors Assistance Program for 1999

The main focus of the 1999 program was to do follow-up prospecting (in the North western part of 1042 Dry Lake map sheet done by the B.C. Geological survey Branch in 1996) of the Anomals Au. stream sediments obtained in that survey. The three areas chosen comprised of the Eastern slope of Stake Mtn on the western headwaters of Beady Creek - 452 ppb Au. The west side of the Eagle River, East of Halfmoon Lake - 117 ppb Au. and directly across the Eagle River on the East side of the river on westerly flowing streams emptying into the Eagle River - 60 ppb Au. All of these areas are on or adjacent to the Thibert fault and comprise of the Cache Creek Terrane, Argillite chert quartz and quartz stringers in Argillites, Bronites are also abundant in some localities. A massive serpentine dyke parallels most of the area south of the Thibert fault.

Although none of the 1996 Au. values were duplicated in the 1999 program, there was some significant results obtained in cu. Au. Ag. and W. from a showing on the north side of the second stream to the south of the most northerly stream of the four streams prospected in Area 3.

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)



B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations 15 to 17, page 6.
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name John R Hope Reference Number AREA 1

LOCATION/COMMODITIES

Project Area (as listed in Part A) Dease Lake BC Cray Lake MINFILE No. if applicable 1047 Cray Lake

Location of Project Area NTS 1047 Cray Lake Lat 58°44'N Long 130°00'W

Description of Location and Access Location of Area 1 is East of Dease Lake along the Thibert fault approximately 4 miles from the lake. Access to the area is by helicopter.

Main Commodities Searched For Au, Ag, Cu, Ni, Pt, Zn.

Known Mineral Occurrences in Project Area None

WORK PERFORMED

1. Conventional Prospecting (area) East side of Stake Mtn., west fork of upper
2. Geological Mapping (hectares/scale) Beedy creek
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) 5 rock samples 6 silt samples

SIGNIFICANT RESULTS

Commodities (None) Au. value Au. Claim Name _____

Location (show on map) Lat. 58°44'N Long 130°00'W Elevation 1120m to 1500m

Best assay/sample type 31 p.p.b. Au. Silt sample.

Description of mineralization, host rocks, anomalies Mineralization in this area was almost nil. Iron appears in chert in small specks, some narrow quartz stringers covered small amounts of calcopyrite, an outcrop on one of the crevices of a grey shale carried small amounts of sulphides. Host rocks of the Cache Creek Terrane, argillite, ribbon chert, quartz stringers in argillite, some shales and granite comprise of the area. Marsh land is abundant through out, consisting outcropping. This area is indicated on the Train map as area 1 sample locations and assay references are plotted.

Supporting data must be submitted with this TECHNICAL REPORT

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**BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)**

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B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations 15 to 17, page 6.
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Name John R Hope Reference Number Area 2

LOCATION/COMMODITIES

Project Area (as listed in Part A) Dease Lake - Cry Lake MINFILE No. if applicable 1041 cry lake
 Location of Project Area NTS 1041 cry lake Lat 58°42'N Long 129°50'W
 Description of Location and Access Location of area 2 is East of Dease Lake along or near the Thibert Fault approximately 14 miles from the Lake. Access to the area is by helicopter.
 Main Commodities Searched For Au, Ag, Cu, Ni, Pt, (Jade) Zn
 Known Mineral Occurrences in Project Area Asb. serpentine, Cu. to south of area.

WORK PERFORMED

1. Conventional Prospecting (area) west side of Eagle River on streams flowing East into Eagle River
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) 12 Rock samples 7 silt samples

SIGNIFICANT RESULTS

Commodities (moderate) Zn, Ag, Cu Claim Name _____
 Location (show on map) Lat. 58°42'N Long 129°50'W Elevation 960m to 1360m
 Best assay/sample type Ag. 4.4 ppm 2332 ppm Cu. 2.19% Zn. 18% Mg. Rock samples

Description of mineralization, host rocks, anomalies Catch Creek Terrane is host rock in most of the area. Gneiss in the northern part is everywhere. A large serpentine dyke just south and paralleling the Thibert Fault is predominant in places. A large quartz plug (in dense bush) was discovered adjacent to the serpentine south west of Camp Es. of a mile on a high bench. A piece of quartz float found in the creek below camp a couple of miles assayed 2.19% zinc 2332 ppm copper and 4.4 ppm silver. extensive prospecting in the immediate area did not come up with any source.

Supporting data must be submitted with this TECHNICAL REPORT

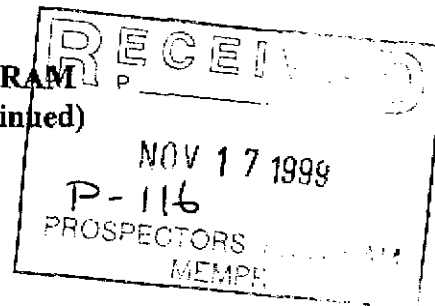
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Area: 2

In the most easterly part of the area overburden and heavy growth made prospecting difficult. The south western part of the area was mostly argillite containing clusters of barren quartz stringers. Pyroxenite boulders containing some Calcopysite and sulphides were discovered along the edge of the ~~lake~~ larger lake due south of camp. On the edge of a swamp at the headwaters of the anomalous A.A. creek an outcropping of quartz veins in an argillite schist was sampled. Results were discouraging. There were no other obvious outcroppings near or along the upper part of the creek that would of warranted sampling, the lower part of the creek became entangled in brush and overburden.

Samples of the serpentine assayed as high as 18% magnesian. This area is indicated on the Train map as area 2 and sample location are plotted along with assay references.

**BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)**



B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations 15 to 17, page 6.
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Name John R Hope Reference Number Area 3

LOCATION/COMMODITIES

Project Area (as listed in Part A) Dease Lake - Cry Lake MINFILE No. if applicable 1041 Cry Lake

Location of Project Area NTS 1041 Cry Lake Lat 58°41'N Long 129°43'W

Description of Location and Access Location of Area 3 is East of Dease Lake along or near the Thibert fault approximately 17 miles from the lake. Access to the area is by helicopter.

Main Commodities Searched For Au, Ag, Cu, Ni, Pt, Zn, (Jade)

Known Mineral Occurrences in Project Area none

WORK PERFORMED

1. Conventional Prospecting (area) East side of Eagle River on streams flowing west into Eagle River
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) 27 Rock samples 10 silt samples

SIGNIFICANT RESULTS

Commodities (Fair) Cu, Au, Mg Claim Name _____

Location (show on map) Lat. 58°41'N Long 129°43'W Elevation 1100 M.

Best assay/sample type Cu, 10,327 ppm 92 ppb Au, 1870 Mg. Rock samples

Description of mineralization, host rocks, anomalies The host rocks for this area to the south is of the Cade Creek Terrane; argillite, chert some quartz, serphentine and granit and black shales. To the north is the Queenal Terrane, Hornblende granodiorite - diorite, granitic gneiss and biotites. In some areas in the northern part of the area granitic gneiss containing iron and sulphides of abundance did not carry any mineral values of significance which was discouraging. No samples taken in the stream duplicated any

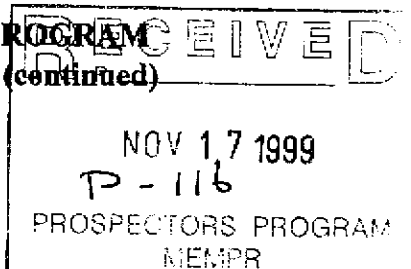
Supporting data must be submitted with this TECHNICAL REPORT

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Area 3

of the stream sediments taken in 1996 by the B.C. Regional Geochemical Survey. No rock samples taken from the anomalies Au. areas returned any significant gold values. A black shale carrying sulfides near the granite contact on the anomaly Aa creek did not assay in Au. A large serpentine dyke paralleling the area south of the Thicket fault carries chromite, nickel and magnesium values. Nephrite (jade) boulders were found in the most southerly creek of the area, possibly the old channel of the Eagle River. In one location rocks tallois from the north slope of the old stream bed were nephrite. The slopes on either side of the present valley are covered in trees and willow brush making prospecting difficult. Rocks of 20 to 40 pounds were taken for cutting and proved to be of marginal economic value. ~~Further~~ Further prospecting should be done in this area as the serpentine is following a granite contact making for an ideal setting for high quality Nephrite (Jade). Approximately $4\frac{1}{2}$ miles from its junction with the Eagle River. The second creek from the north of the prospected area, on the northern bank of the creek in a metamorphic granite porphyry is a copper showing hosting some gold and Tungsten. Malachite staining is abundant and Chalcopyrite is disseminated along fracturing through out the rock. Two samples taken from this area assayed respectively 10,327 PPM. Cu. 8,980 PPM. Cu. 92 PPB. Au., 46 PPB. Au. Detailed mapping and prospecting should be done on this showing so that strike and dip can be established. The area is covered in overburden, so soil sampling should be done once strike is established. This showing warrants further work in the interim estimation and should be proven up. An anomaly Aa creek drains the area to the north east. This creek was not prospected. This area is indicated on the Talon map as Area 3 and sample locations are plotted along with assay references.

**BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)**



B. TECHNICAL REPORT

- One technical report to be completed for each project area.
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Name John R Hope Reference Number Stikine cake Hill map

LOCATION/COMMODITIES

Project Area (as listed in Part A) Dease Lake Cry Lake MINFILE No. if applicable 1042 Cry Lake

Location of Project Area NTS 1042-Cake Hill Lat 58°00'131"N Long 129°44'970"W

Description of Location and Access Location is 8 miles up the Stikine River from the bridge on Hi-way 37
Access is by road and then by ATV to anomaly's Au. creek

Main Commodities Searched For Au. Ag. Cu. Zn. Pt.

Known Mineral Occurrences in Project Area none

WORK PERFORMED

1. Conventional Prospecting (area) The 5th stream flowing into the Stikine River from
2. Geological Mapping (hectares/scale) the north approximately 8 miles up from the
3. Geochemical (type and no. of samples) bridge on Hiway 737
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) 6 Rock samples 4 silts

SIGNIFICANT RESULTS

Commodities (none) of value Cu. Claim Name _____

Location (show on map) Lat. 58°00'131"N Long 129°44'970"W Elevation Between 900 and 1000 m

Best assay/sample type Cu. 1866 ppm.

Description of mineralization, host rocks, anomalies The 1996 B.C. Regional Geochemical Survey indicated stream sediments of 218 ppb Au. The host rock is of the Beqquay Creek Pluton's biotite - hornblende, diorite, gabbro, monzonite and perovskite. 100 meters north of the B.C.R. railroad grade along the west side of the anomaly Au. stream on a porphyry gabbro a mineralized zone containing iron sulphides and small specks of calcopryrite was observed. Assay results were discouraging - and no Au. values were present. No other mineralization was encountered in the stream drainage system. Sample locations are marked on Cake Hill map.

Supporting data must be submitted with this TECHNICAL REPORT

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B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations 15 to 17, page 6.
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Name John R Hope Reference Number Porter Landing Maps

LOCATION/COMMODITIES

Project Area (as listed in Part A) Beady Creek - Seymour Creek MINFILE No. if applicable _____

Location of Project Area NTS 104 J. Porter Landing Maps Lat _____ Long _____

Description of Location and Access Location of the area prospected is just east of Hwy 37 at and near the north end of Deep Lake BC.

Main Commodities Searched For As. pt pd.

Known Mineral Occurrences in Project Area Asb. Jade near Seymour Creek

WORK PERFORMED

1. Conventional Prospecting (area) on Beady creek and north fork of Seymour Creek.
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) 3 rock samples.

SIGNIFICANT RESULTS

Commodities Rare of significance Claim Name _____

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

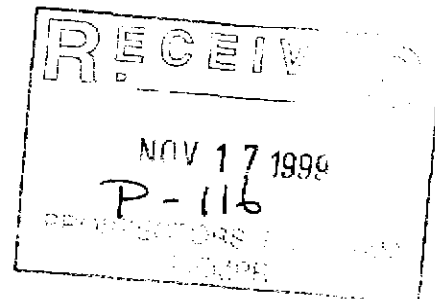
Best assay/sample type Mg. 22.9%

Description of mineralization, host rocks, anomalies Biotite, muscovite quartz - gneiss and schist are primarily the host rocks along Beady Creek. A biotite enriched biotite sample was assayed, and results were discouraging. Serpentine, peridotite, shale and graywackes are the least host rocks along the north fork of Seymour Creek. The most significant sample assayed was serpentine, with values of 22.9% Mg. Sample locations marked on Porter Landing maps.

Supporting data must be submitted with this TECHNICAL REPORT

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**BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)**



B. TECHNICAL REPORT

- One technical report to be completed for each project area.
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Name John R Hope Reference Number Porter Landing Map

LOCATION/COMMODITIES

Project Area (as listed in Part A) Tributary of Dease River MINFILE No. if applicable _____

Location of Project Area NTS 104J Porter Landing Map Lat. _____ Long _____

Description of Location and Access The stream prospected is the first creek flowing from the west into the Dease River north of Canyon Creek. Access was by boat from Hi-way 37 at Dease River bridge.

Main Commodities Searched For Au Ag Cu Pt Pd Ni

Known Mineral Occurrences in Project Area none

WORK PERFORMED

1. Conventional Prospecting (area) first stream flowing into Dease River from the west
2. Geological Mapping (hectares/scale) north of canyon creek
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) 5 rock samples

SIGNIFICANT RESULTS

Commodities Pd Claim Name _____

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

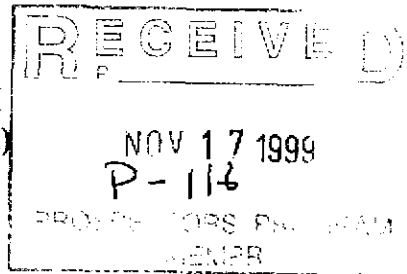
Best assay/sample type Au. 37 ppb, pt. 25 ppb, pd. 53 ppb, rock samples

Description of mineralization, host rocks, anomalies Host rocks are Amphibole, basalt, gneiss, argillite and shale. a small dyke of peridotite is cut along the creek and a quartz vein is seen against the northern flank of the peridotite carries sulphide and the Au, pt, pd. values obtained in the assays. Sample locations marked on Porter Landing map.

Supporting data must be submitted with this TECHNICAL REPORT

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BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)



B. TECHNICAL REPORT

- One technical report to be completed for each project area.
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Name John R Hope Reference Number Porter Landing Map

LOCATION/COMMODITIES

Project Area (as listed in Part A) old Bell creek - Martin Lake MINFILE No. if applicable _____

Location of Project Area NTS 1047 Porter Landing Map Lat _____ Long _____

Description of Location and Access Location of Area prospected is west of Dease Lake on old Bell creek and north-east of Martin Lake. Access is by the mosquito creek road from the north end of Dease Lake.

Main Commodities Searched For Au, Ag, Pt, Pd.

Known Mineral Occurrences in Project Area none.

WORK PERFORMED

1. Conventional Prospecting (area) on and near old Bell creek and north east of Martin Lake.
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) 8 Rock Samples

SIGNIFICANT RESULTS

Commodities None Claim Name _____

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

Best assay/sample type None of the samples had any significant assay results

Description of mineralization, host rocks, anomalies Follow-up prospecting was done in the area in search of any mafic - altera mafic volcanics that may have occurred. Some were found near Martin Lake and Lower old Bell. No mineralization of any significance was found. assays were discouraging. Sample locations marked on Porter Landing map

Supporting data must be submitted with this TECHNICAL REPORT

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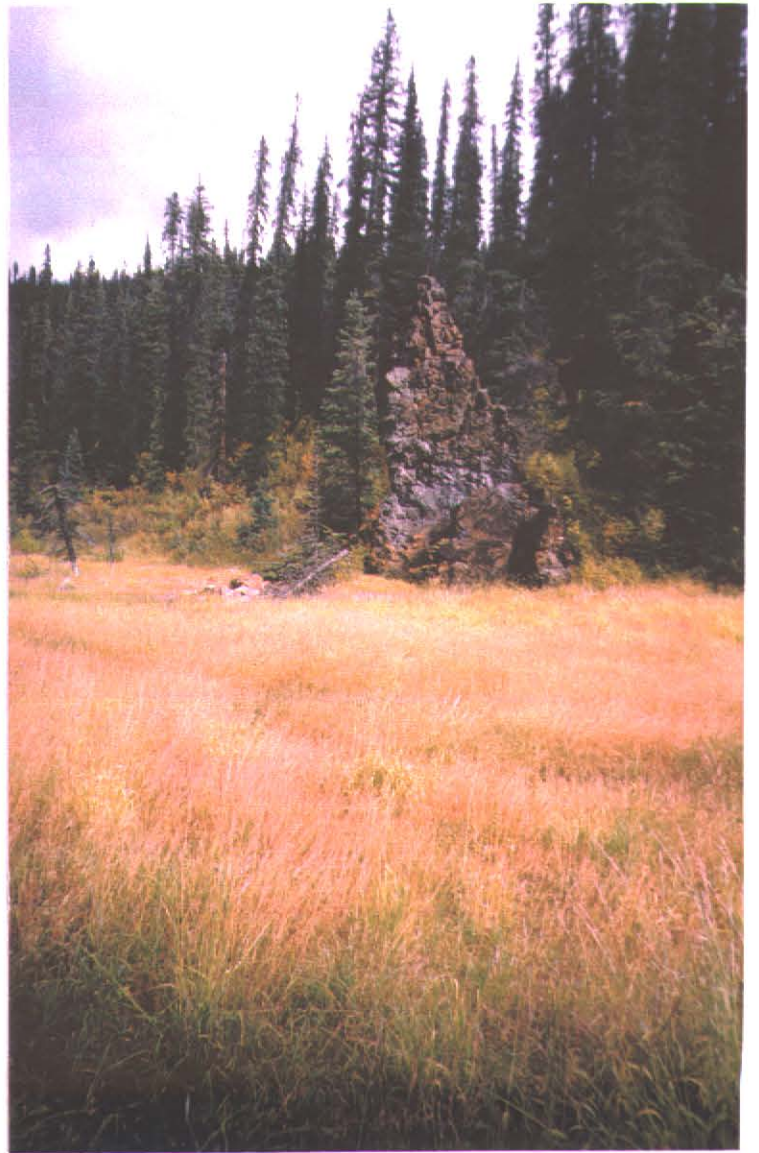
Area 1 overburden and swamps and mosquitoes



Area 3 Corner gold showing Eagle River area. Basalt pillar in old river bed - area 3



Note malachite staining





Area 3 Helicopter pick-ups



Area 3 Grant boulder train blocks valley



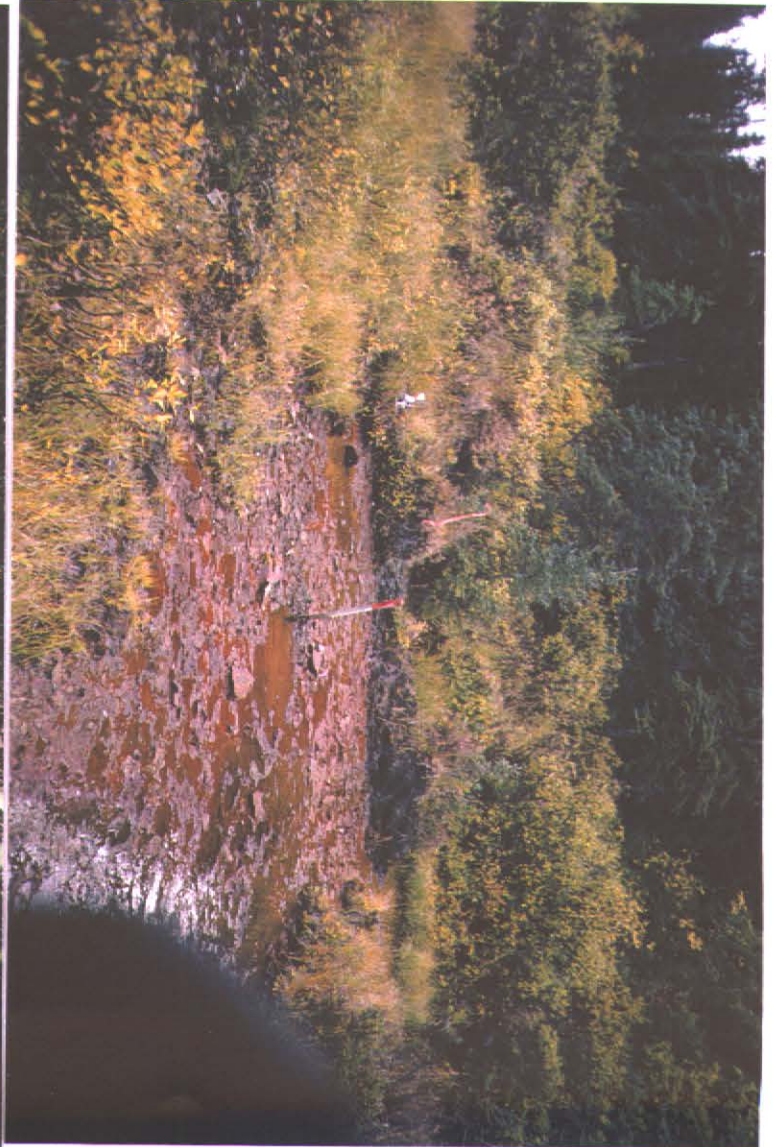
Area 3 Base Camp.



Area 3 Sulphide covered black shale



Area 3 Iron sulphide granitic



outcrop of low grade chromite near serpentine dyke in area 3



Area 2 Massive buff quartz outcrop in dense bush



Area 2 Serpentine outcrop



05/08/99

Certificate of Analysis

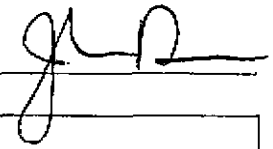
Page 1

Epoch Holdings

WO# 05701

John Hope

Certified by



Sample #	Au ppb
ss ESSJ-1-2299 } Eagle River area 3	<5
ss ESSJ-2-2299 }	8
ss SJ-1-1099 }	6
ss SJ-2-1099 }	8
ss SJ-3-1099 } Staked Intn area 1	3
ss SJ-4-1199 }	31
ss SJ-5-1399 }	7
ss SJ-6-1399 }	<5
r 56352 }	<5
r 56353 }	<5
r 56354 } Staked Intn area 1	5
r 56355 }	<5
r 56356 }	<5
r 56359 } Dease River	9
r 56362 }	92
r 56363 } Eagle River Area 3	46
r 56364 }	<5
r 56365 }	<5
r 56366 }	<5



CERTIFICATE OF ANALYSIS

iPL 99G0686

2036 Columbia Street
 Vancouver, B.C.
 Canada V5Y 3E1
 Phone (604) 879-7878
 Fax (604) 879-7898

INTERNATIONAL PLASMA LABORATORY LTD.

Client : Northern Analytical Laboratories
 Project: W.O. 05701

23 Samples
 23-Pulp

[068616:32:24:99080699]

Out: Aug 06, 1999
 In : Jul 30, 1999

Page 1 of 1
 Section 1 of 2

Sample Name	Type	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mn ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
ESSJ-1-2299	Pulp	—	—	—	0.2	37	15	81	50	<5	<3	3	<10	<2	7.2	16	63	307	<5
ESSJ-2-2299	Pulp	—	—	—	0.1	32	20	77	31	<5	<3	3	<10	<2	2.4	12	43	385	<5
SJ-1-1099	Pulp	—	—	—	0.3	47	17	105	33	<5	<3	4	<10	<2	2.7	15	103	480	<5
SJ-2-1099	Pulp	—	—	—	0.2	46	17	108	37	<5	<3	2	<10	<2	6.9	16	56	300	<5
SJ-3-1099	Pulp	—	—	—	<0.1	40	14	117	35	<5	<3	1	<10	<2	2.1	14	57	344	<5
SJ-4-1199	Pulp	—	—	—	0.3	58	15	160	58	<5	<3	3	<10	<2	7.1	15	59	352	<5
SJ-5-1399	Pulp	—	—	—	0.1	50	14	222	48	<5	<3	4	<10	<2	0.4	13	59	481	<5
SJ-6-1399	Pulp	—	—	—	0.1	52	9	137	30	<5	<3	4	<10	<2	4.5	13	53	251	<5
56352	Pulp	—	—	—	0.1	113	13	82	63	<5	<3	<1	<10	<2	<0.1	33	46	100	<5
56353	Pulp	—	—	—	<0.1	96	12	61	28	<5	<3	<1	<10	<2	4.4	24	54	165	<5
56354	Pulp	—	—	—	<0.1	42	9	63	15	<5	<3	6	<10	<2	5.2	7	33	614	<5
56355	Pulp	—	—	—	<0.1	26	11	37	22	<5	<3	5	<10	<2	<0.1	3	17	146	<5
56356	Pulp	—	—	—	<0.1	21	<2	22	6	<5	<3	1	<10	<2	<0.1	3	11	255	<5
56357	Pulp	37	<15	8	0.8	308	14	38	20	<5	<3	3	<10	<2	6.5	48	47	24	<5
56358	Pulp	10	<15	<5	0.1	297	3	7	<5	<5	<3	<1	<10	<2	<0.1	16	6	37	<5
56359	Pulp	—	—	—	0.1	183	12	51	45	<5	<3	1	<10	<2	<0.1	29	26	56	<5
56360	Pulp	21	25	53	0.2	271	10	20	14	<5	<3	99	<10	<2	3.7	33	36	38	<5
56361	Pulp	11	<15	<5	<0.1	263	14	53	51	<5	<3	3	<10	<2	3.0	36	29	18	<5
56362	Pulp	—	—	—	1.0	10327	7	91	11	<5	<3	1	<10	<2	2.4	22	11	114	9
56363	Pulp	—	—	—	1.3	8980	2	87	100	<5	<3	4	<10	<2	4.7	20	9	345	<5
56364	Pulp	—	—	—	<0.1	130	<2	19	8	<5	<3	1	<10	<2	<0.1	4	5	933	<5
56365	Pulp	—	—	—	0.1	102	11	136	38	<5	<3	2	<10	<2	4.6	28	33	181	<5
56366	Pulp	—	—	—	0.1	77	15	128	50	<5	<3	3	<10	<2	4.5	37	70	316	<5

Minimum Detection 2 15 5 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5
 Maximum Detection 10000 10000 10000 100.0 20000 20000 20000 10000 1000 10000 1000 1000 10000 100.0 10000 10000 10000 1000
 Method FA/AAS FA/AAS FA/AAS ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rcc=ReCheck n=x1000 %=Estimate % NS=No Sample



CERTIFICATE OF ANALYSIS

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INTERNATIONAL PLASMA LABORATORY LTD.

Client : Northern Analytical Laboratories
Project: W.O. 05701

23 Samples
23=Pulp

[068616:32:24:99080699]

Out: Aug 06, 1999
In : Jul 30, 1999

Page 1 of 1
Section 2 of 2

Sample Name	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
ESSJ-1-2299	65	79	654	10	41	3	5	0.09	1.63	0.81	2.93	0.86	0.07	0.02	0.08
ESSJ-2-2299	51	82	576	9	51	2	4	0.08	1.19	0.81	3.03	0.65	0.05	0.03	0.10
SJ-1-1099	102	68	403	9	96	2	4	0.06	1.59	0.85	3.00	0.89	0.09	0.02	0.07
SJ-2-1099	53	74	663	10	73	2	4	0.09	1.44	0.84	2.94	0.64	0.08	0.02	0.07
SJ-3-1099	55	87	658	10	64	2	4	0.10	1.50	0.81	3.14	0.68	0.07	0.02	0.07
SJ-4-1199	53	70	660	10	156	2	4	0.09	2.02	1.28	2.97	0.67	0.08	0.02	0.08
SJ-5-1399	46	68	1542	9	108	1	3	0.08	1.72	1.09	3.25	0.65	0.09	0.02	0.08
SJ-6-1399	51	57	750	9	33	1	4	0.10	1.17	0.51	2.33	0.60	0.05	0.02	0.05
56352	58	159	831	<2	11	4	4	0.31	2.84	1.48	4.50	1.58	0.04	0.03	0.04
56353	65	67	926	4	13	5	2	0.25	1.10	0.67	2.63	0.73	0.07	0.03	0.05
56354	73	26	163	7	22	5	2	0.01	0.93	0.10	2.41	0.65	0.14	0.01	0.05
56355	110	18	404	6	15	5	1	0.02	0.72	0.07	1.79	0.44	0.10	0.02	0.02
56356	135	9	720	2	171	1	<1	<0.01	0.15	0.63	0.70	0.09	0.03	0.01	0.01
56357	138	94	271	<2	14	3	5	0.15	1.58	0.60	7.33	1.75	0.02	0.02	0.15
56358	45	11	70	6	48	2	<1	0.07	0.35	2.14	1.80	0.12	0.05	0.06	0.14
56359	42	190	373	5	76	5	6	0.14	2.02	1.79	4.76	1.44	0.09	0.07	0.28
56360	78	99	141	3	50	5	6	0.17	0.89	1.15	3.94	0.67	0.07	0.08	0.13
56361	41	113	545	<2	24	7	4	0.20	2.49	1.18	3.59	2.11	0.05	0.05	0.06
56362	46	34	166	3	10	2	4	<0.01	0.24	0.15	3.90	0.06	0.05	0.05	0.04
56363	42	22	254	4	24	1	4	<0.01	0.26	0.16	2.28	0.04	0.08	0.04	0.03
56364	52	30	252	5	47	1	4	0.01	0.28	0.76	1.61	0.12	0.12	0.05	0.05
56365	54	207	1131	29	246	4	8	0.17	2.00	4.41	6.47	2.01	0.16	0.22	0.44
56366	79	209	1327	34	386	6	13	0.31	2.57	5.68	6.13	2.70	0.33	0.30	0.42

Minimum Detection	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

01/09/99

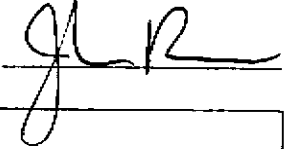
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Page 1

John Hope

WO#05724

Certified by



Sample #	Au ppb	Ag ppm
r 56375	<5	0.1
r 56377	<5	0.1
r 56379	<5	<0.1
r 56380	<5	
r 56381	<5	
r 56382	<5	
r 56383	<5	
ss40 J-4 A1099	<5	
ss Silt #3 A1099	<5	
ss Stkine showing Silt #1 A1199	<5	
ss Silt Stream E of Disco 1 A1099	<5	

old Red (Thicket Creek)
Beady Creek

*Stkine - creek Hill map
104 E-4*

Stkine



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INTERNATIONAL PLASMA LABORATORY LTD.

Client : Northern Analytical Laboratories
Project: PO# 05724

19 Samples
19=Pulp

[082016:15:49:99090299] Out: Sep 02, 1999 Page 1 of 1
In : Aug 31, 1999 Section 1 of 2

Sample Name	Type	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
56368 } <i>Deverwood Creek</i>	Pulp	<15	<5	<0.1	7	6	21	<5	21	<3	3	<10	<2	<0.1	113	2292	2	<5	1762
56369 } <i>Deverwood Creek</i>	Pulp	<15	<5	<0.1	18	6	18	<5	13	<3	5	<10	<2	<0.1	91	1788	56	<5	1145
56370 } <i>Deverwood Creek</i>	Pulp	<15	<5	<0.1	74	5	98	<5	<5	<3	3	<10	<2	<0.1	44	157	52	<5	58
56371 } <i>Deverwood Creek</i>	Pulp	<15	<5	0.1	58	18	77	13	<5	<3	3	<10	<2	<0.1	15	21	148	<5	37
56372 } <i>Deverwood Creek</i>	Pulp	<15	<5	<0.1	127	105	85	30	12	<3	4	<10	<2	<0.1	36	46	107	<5	58
56373 } <i>Deverwood Creek</i>	Pulp	—	—	<0.1	98	8	84	14	<5	<3	2	<10	<2	<0.1	34	67	394	<5	59
56374 } <i>Deverwood Creek</i>	Pulp	—	—	<0.1	61	17	66	9	<5	<3	2	<10	<2	<0.1	16	44	602	<5	85
56376 } <i>Deverwood Creek</i>	Pulp	<15	<5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
56380 } <i>Stikine R.</i>	Pulp	—	—	0.4	1866	5	35	<5	<5	<3	4	<10	<2	<0.1	89	257	25	<5	58
56381 } <i>Stikine R.</i>	Pulp	—	—	0.1	383	19	26	<5	<5	<3	2	<10	<2	<0.1	53	67	24	<5	67
56382 } <i>Stikine R.</i>	Pulp	—	—	<0.1	493	12	36	<5	<5	<3	3	<10	<2	<0.1	61	149	27	<5	107
56383 } <i>Stikine R.</i>	Pulp	—	—	0.1	349	11	27	35	<5	<3	2	<10	<2	<0.1	49	80	31	<5	92
56384 } <i>Stikine R.</i>	Pulp	<15	<5	0.1	12	2	28	118	<5	<3	2	<10	10	<0.1	10	49	7	<5	127
56385 } <i>Stikine R.</i>	Pulp	<15	<5	<0.1	150	9	38	35	<5	<3	5	<10	<2	<0.1	28	231	661	<5	274
56387 } <i>Stikine R.</i>	Pulp	<15	<5	<0.1	87	5	139	5	<5	<3	3	<10	<2	<0.1	37	66	60	<5	63
J-4 A1099	Pulp	—	—	<0.1	66	25	104	16	<5	<3	3	<10	<2	<0.1	12	325	287	<5	127
SILT#3 A1099	Pulp	—	—	<0.1	55	5	67	<5	<5	<3	3	<10	<2	<0.1	23	154	61	<5	144
SILT STREAM E DISC01A1099	Pulp	—	—	<0.1	43	9	80	8	<5	<3	2	<10	<2	<0.1	13	64	122	<5	78
STKINE SHOWING SIL1 A1199	Pulp	—	—	<0.1	76	8	78	<5	<5	<3	2	<10	<2	<0.1	20	113	119	<5	103

Minimum Detection 15 5 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1
Maximum Detection 10000 10000 100.0 20000 20000 20000 10000 1000 10000 1000 1000 10000 100.0 10000 10000 10000 1000 10000
Method FA/AAS FA/AAS ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample



CERTIFICATE OF ANALYSIS

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INTERNATIONAL PLASMA LABORATORY LTD.

Client : Northern Analytical Laboratories
 Project: PO# 05724

19 Samples
 19-Pulp

[082016:15:49:99090299]

Out: Sep 02, 1999
 In : Aug 31, 1999

Page 1 of 1
 Section 2 of 2

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
56368	35	2081	<2	2	<1	9	<0.01	0.38	0.07	3.36	22%	<0.01	0.02	<0.01
56369	20	624	<2	5	<1	8	<0.01	0.20	0.03	3.07	16%	<0.01	0.02	<0.01
56370	36	922	5	48	13	1	0.10	1.79	1.05	6.74	3.45	0.04	0.28	0.06
56371	72	471	10	103	11	4	0.21	1.85	1.29	2.99	0.97	0.16	0.06	0.10
56372	225	961	2	14	10	8	0.33	4.72	2.83	6.48	2.83	0.04	0.04	0.07
56373	168	1587	3	65	9	7	0.26	3.04	2.58	5.23	2.70	0.08	0.03	0.04
56374	49	4252	9	53	3	2	0.06	0.66	0.61	2.61	0.58	0.11	0.03	0.03
56376	—	—	—	—	—	—	—	—	—	—	—	—	—	—
56380	51	235	<2	35	2	2	0.04	2.70	1.95	7.36	2.06	0.48	0.05	0.18
56381	81	251	2	53	2	3	0.10	2.05	1.93	5.09	1.74	0.60	0.11	0.34
56382	95	416	2	44	2	3	0.10	2.26	2.13	4.88	1.68	0.48	0.10	0.25
56383	81	295	2	56	2	4	0.10	2.37	2.39	4.55	1.68	0.45	0.10	0.29
56384	69	238	2	308	2	2	0.08	2.15	3.08	1.29	0.79	0.02	0.03	0.16
56385	152	367	9	82	2	3	0.15	2.64	1.76	3.04	3.07	1.57	0.14	0.31
56387	175	290	3	13	1	4	0.19	2.89	0.99	5.41	2.69	0.69	0.08	0.24
J-4 A1099	40	731	5	108	5	2	0.04	0.90	2.64	2.01	0.97	0.07	0.03	0.09
SILT#3 A1099	160	495	7	33	3	3	0.06	1.06	0.81	4.93	2.42	0.06	0.03	0.18
SILT STREAM E DISCO1A1099	78	810	6	34	2	3	0.06	1.15	0.87	2.83	1.01	0.08	0.03	0.12
STKINE SHOWING SIL1 A1199	113	409	7	36	2	4	0.07	1.43	0.84	3.41	1.59	0.09	0.03	0.17

Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

←No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

13/09/99

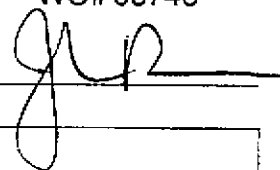
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Page 1

John Hope

WO#05745

Certified by



west side of Eagle River (Half moon Lake) (AREA 2)

Sample #	Au ppb	Ag ppm
r. Sample #6	5	4.4
r. Sample #7	<5	<0.1
r. Sample #9	7	0.1
r. Sample #10	<5	<0.1
r. Sample #12	6	<0.1
ss Silt #1 A2099HM	<5	
ss Silt #2 HMA2099	<5	
ss Silt #3 HMA2299	<5	
ss Silt #4 HMA2399	<5	
ss40 Silt #5 HMA2499	<5	
ss Silt #6 HMA2499	<5	
ss Silt #7 HMA2599	<5	



CERTIFICATE OF ANALYSIS

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INTERNATIONAL PLASMA LABORATORY LTD

Client : Northern Analytical Laboratories
Project: W0#05745

19 Samples
19=Pulp

[086511:27:40:99091599]

Out: Sep 15, 1999
In : Sep 13, 1999

Page 1 of 1
Section 1 of 2

Area 2

Sample Name	Type	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
<i>west side Eagle River</i>																			
<i>(Half moon Lake)</i>																			
SAMPLE# 1	Pulp	—	—	0.1	26	213	26	<5	33	<3	4	<10	<2	<0.1	83	1973	<2	<5	1249
SAMPLE# 2	Pulp	—	—	0.1	72	9	64	<5	<5	<3	2	<10	<2	<0.1	24	30	21	<5	36
SAMPLE# 3	Pulp	—	—	<0.1	5	10	19	<5	12	<3	4	<10	<2	<0.1	72	1930	<2	<5	911
SAMPLE# 4	Pulp	<15	<5	<0.1	7	5	17	<5	13	<3	2	<10	<2	<0.1	69	1750	<2	<5	996
SAMPLE# 5	Pulp	<15	<5	<0.1	8	8	22	<5	13	<3	4	<10	<2	<0.1	77	1852	<2	<5	979
SAMPLE# 6	Pulp	—	—	4.2	2332	45	2.1%	20	13	<3	9	<10	<2	0.1m	31	57	16	<5	76
SAMPLE# 7	Pulp	—	—	<0.1	50	6	166	10	<5	<3	3	<10	<2	<0.1	21	28	7	<5	27
SAMPLE# 8	Pulp	<15	10	0.2	152	7	75	18	<5	<3	2	<10	<2	<0.1	19	35	48	<5	97
SAMPLE# 9	Pulp	<15	8	0.2	365	9	48	14	<5	<3	2	<10	<2	<0.1	19	43	66	<5	167
SAMPLE#10	Pulp	—	—	<0.1	34	2	29	<5	<5	<3	1	<10	<2	<0.1	5	11	46	<5	74
SAMPLE#11	Pulp	—	—	0.1	407	2	27	46	<5	<3	2	<10	<2	<0.1	21	38	67	<5	43
SAMPLE#12	Pulp	—	—	0.1	210	8	47	11	<5	<3	1	<10	<2	<0.1	22	32	121	<5	123
SILT #1 A 2099 HM	Pulp	—	—	0.6	48	19	127	20	<5	<3	2	<10	<2	<0.1	24	250	388	<5	154
SILT #2 HM A 2099	Pulp	—	—	0.3	54	11	93	7	<5	<3	3	<10	<2	<0.1	33	449	181	<5	218
SILT #3 HM A 2299	Pulp	—	—	0.3	50	10	141	19	<5	<3	4	<10	<2	<0.1	26	286	692	<5	83
SILT #4 HM A 2399	Pulp	—	—	0.2	22	8	85	8	<5	<3	2	<10	<2	<0.1	15	49	262	<5	65
SILT #5 HM A 2499	Pulp	—	—	0.4	82	14	270	20	<5	<3	8	<10	<2	<0.1	17	72	443	<5	38
SILT #6 HM A 2499	Pulp	—	—	0.1	36	4	98	<5	<5	<3	3	<10	<2	<0.1	16	47	225	<5	55
SILT #7 HM A 2599	Pulp	—	—	0.1	68	11	112	10	<5	<3	5	<10	<2	<0.1	24	239	278	<5	130

Minimum Detection
Maximum Detection
Method

15	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
10000	10000	100.0	20000	20000	20000	10000	10000	10000	1000	10000	1000	10000	10000	10000	10000	1000	10000
FA/AAS	FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

— No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample



CERTIFICATE OF ANALYSIS

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INTERNATIONAL PLASMA LABORATORY LTD.

Client : Northern Analytical Laboratories
 Project: WD#05745

19 Samples
 19-Pulp

[086511:27:40:99091599]

Out: Sep 15, 1999
 In : Sep 13, 1999

Page 1 of 1
 Section 2 of 2

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SAMPLE# 1	29	620	<2	1	<1	8	<0.01	0.56	0.02	3.19	18%	<0.01	0.02	<0.01
SAMPLE# 2	83	603	2	73	7	3	0.21	1.75	0.57	3.56	1.38	0.01	0.05	0.06
SAMPLE# 3	26	799	<2	1	1	8	<0.01	0.40	0.01	2.92	17%	<0.01	0.01	<0.01
SAMPLE# 4	23	588	<2	1	1	5	<0.01	0.56	0.22	2.84	17%	<0.01	0.02	<0.01
SAMPLE# 5	23	657	<2	<1	<1	5	<0.01	0.50	0.14	2.45	18%	<0.01	0.02	<0.01
SAMPLE# 6	36	653	2	22	1	1	<0.01	1.72	1.95	2.58	1.81	0.01	0.02	0.02
SAMPLE# 7	136	717	2	37	13	6	0.43	2.88	1.28	5.03	1.98	0.03	0.05	0.11
SAMPLE# 8	100	452	<2	32	2	3	0.22	2.13	2.26	2.78	1.70	1.13	0.07	0.17
SAMPLE# 9	129	425	4	117	2	6	0.20	2.28	2.06	3.26	1.47	0.94	0.24	0.27
SAMPLE#10	14	191	2	20	4	1	0.02	0.41	0.46	0.87	0.30	0.07	0.02	0.01
SAMPLE#11	79	281	3	185	2	4	0.09	4.13	3.53	2.54	0.84	0.20	0.44	0.26
SAMPLE#12	153	565	3	85	4	4	0.19	2.26	1.67	3.93	1.53	1.12	0.17	0.28
SILT #1 A 2099 HM	74	1618	9	46	3	6	0.09	1.62	1.11	4.29	2.27	0.07	0.03	0.08
SILT #2 HM A 2099	77	1928	7	34	3	6	0.10	1.59	0.94	4.20	3.90	0.06	0.03	0.07
SILT #3 HM A 2299	77	1.5%	9	78	2	5	0.10	1.72	1.40	5.97	1.00	0.07	0.03	0.09
SILT #4 HM A 2399	97	716	6	27	2	5	0.22	2.33	1.00	3.83	1.25	0.05	0.03	0.07
SILT #5 HM A 2499	44	8294	7	104	3	3	0.04	1.89	2.36	4.01	0.43	0.07	0.03	0.17
SILT #6 HM A 2499	82	2640	7	32	3	5	0.17	1.78	1.00	4.14	0.93	0.06	0.03	0.07
SILT #7 HM A 2599	91	2074	11	39	3	7	0.14	2.04	0.88	4.74	1.27	0.10	0.03	0.08

Minimum Detection 2 1 2 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Maximum Detection 10000 10000 10000 10000 10000 10000 1.00 10.00 10.00 10.00 10.00 10.00 10.00 5.00 5.00
 Method ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP

—No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

28/09/99

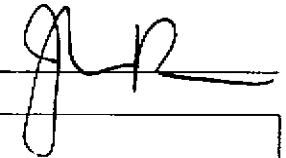
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Page 1

John Hope

WO#00015

Certified by



Area 3

Sample #	Au ppb	Ag ppm
r 56322	<5	0.1
r 56322 Float (Eagle R.) } <i>South Eagle</i>	<5	0.1
r 56323	<5	0.1
r 56325	<5	0.1
r 56328	<5	0.1
r 56330 } <i>North Eagle</i>	<5	0.1
r 56337		<0.1
r 56338		<0.1
r 56342		0.1
ss Silt #1	9	<0.1
ss Silt #2	<5	<0.1
ss Silt #3 } <i>South Eagle</i>	5	0.3
ss Silt #4	6	0.1
ss Silt #5	<5	0.1
ss Silt #6	5	0.1



CERTIFICATE OF ANALYSIS

iPL 9910939

2036 Columbia Street
 Vancouver, B.C.
 Canada V5Y 3E1
 Phone (604) 879-7878
 Fax (604) 879-7898

Area 3

INTERNATIONAL PLASMA LABORATORY LTD.

Client : Northern Analytical Laboratories
 Project: WO# 00015

28 Samples
 28=Pulp

[093915:43:01:99100199]

Out: Oct 01, 1999
 In : Sep 27, 1999

Page 1 of 1
 Section 1 of 2

Sample Name	Type	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	
56315	<i>South Eagle</i>	Pulp	—	—	<0.1	6	8	19	<5	12	△	4	<10	<2	<0.1	65	1484	34	<5	
56316		Pulp	—	—	<0.1	12	4	19	<5	9	△	4	<10	<2	<0.1	74	1735	5	<5	
56320		Pulp	—	—	—	<0.1	5	3	7	<5	7	△	4	<10	<2	<0.1	48	973	11	<5
56321		Pulp	—	—	—	<0.1	14	8	65	<5	<5	△	2	<10	<2	<0.1	29	48	5	<5
56324		Pulp	—	—	—	<0.1	270	5	21	<5	<5	△	1	<10	<2	<0.1	26	43	107	<5
56325	<i>North Eagle</i>	Pulp	—	—	0.1	72	5	70	<5	<5	△	10	<10	<2	<0.1	13	50	141	<5	
56326		Pulp	—	—	<0.1	16	<2	25	<5	<5	△	5	<10	<2	<0.1	3	5	425	<5	
56327		Pulp	—	—	—	<0.1	34	9	79	<5	<5	△	9	<10	<2	<0.1	13	38	957	<5
56328		Pulp	—	—	—	<0.1	56	5	68	<5	<5	△	15	<10	<2	<0.1	10	31	133	<5
56329		Pulp	—	—	—	<0.1	11	6	37	<5	<5	△	1	<10	<2	<0.1	4	6	513	<5
56330	<i>North Eagle</i>	Pulp	—	—	<0.1	107	8	42	<5	<5	△	7	<10	<2	<0.1	18	80	122	<5	
56332		Pulp	—	—	<0.1	55	6	77	<5	<5	△	4	<10	<2	<0.1	18	55	548	<5	
56334		Pulp	—	—	—	<0.1	28	10	55	<5	<5	△	3	<10	<2	<0.1	7	13	755	<5
56335		Pulp	—	—	—	<0.1	62	6	59	<5	<5	△	4	<10	<2	<0.1	12	29	428	<5
56336		Pulp	—	—	—	<0.1	19	<2	37	<5	<5	△	2	<10	<2	<0.1	5	12	657	<5
56337		Pulp	2	<15	<5	<0.1	28	5	54	<5	<5	△	5	<10	<2	<0.1	13	28	1150	<5
56338		Pulp	<2	<15	<5	<0.1	41	6	53	<5	<5	△	2	<10	<2	<0.1	11	33	209	<5
56340		Pulp	—	—	—	<0.1	13	5	44	31	<5	△	1	<10	<2	<0.1	6	7	238	<5
56341		Pulp	—	—	—	0.1	107	13	66	<5	<5	△	12	<10	<2	<0.1	33	144	58	<5
56342		Pulp	<2	<15	<5	0.1	64	7	68	<5	<5	△	12	<10	<2	<0.1	19	81	87	<5
SILT 1	<i>South Eagle</i>	Pulp	—	—	0.1	28	6	74	<5	<5	△	3	<10	<2	<0.1	14	42	155	<5	
SILT 2		Pulp	—	—	0.1	32	8	96	<5	<5	△	3	<10	<2	<0.1	14	54	221	<5	
SILT 3		Pulp	—	—	—	0.4	70	16	160	<5	<5	△	5	<10	<2	<0.1	23	247	585	<5
SILT 4		Pulp	—	—	—	<0.1	44	9	72	<5	<5	△	2	<10	<2	<0.1	16	62	148	<5
SILT 5		Pulp	—	—	—	<0.1	32	11	87	<5	<5	△	3	<10	<2	<0.1	16	67	234	<5
SILT 6	<i>North Eagle</i>	Pulp	—	—	<0.1	69	13	140	<5	<5	△	3	<10	<2	<0.1	24	61	183	<5	
SILT 7		Pulp	—	—	—	<0.1	28	4	65	<5	<5	△	2	<10	<2	<0.1	13	52	384	<5
SILT 8		Pulp	—	—	—	0.1	40	6	74	<5	<5	△	2	<10	<2	<0.1	19	93	1464	<5

Minimum Detection 2 15 5 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5
 Maximum Detection 10000 10000 10000 100.0 20000 20000 20000 10000 1000 10000 1000 1000 10000 100.0 10000 10000 10000 1000 1000
 Method FA/AAS FA/AAS FA/AAS ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP
 —No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample



CERTIFICATE OF ANALYSIS

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INTERNATIONAL PLASMA LABORATORY LTD.

Client : Northern Analytical Laboratories
Project: WO# 00015

28 Samples
28=Pu1p

[093915:43:01:99100199]

Out: Oct 01, 1999
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Page 1 of 1
Section 2 of 2

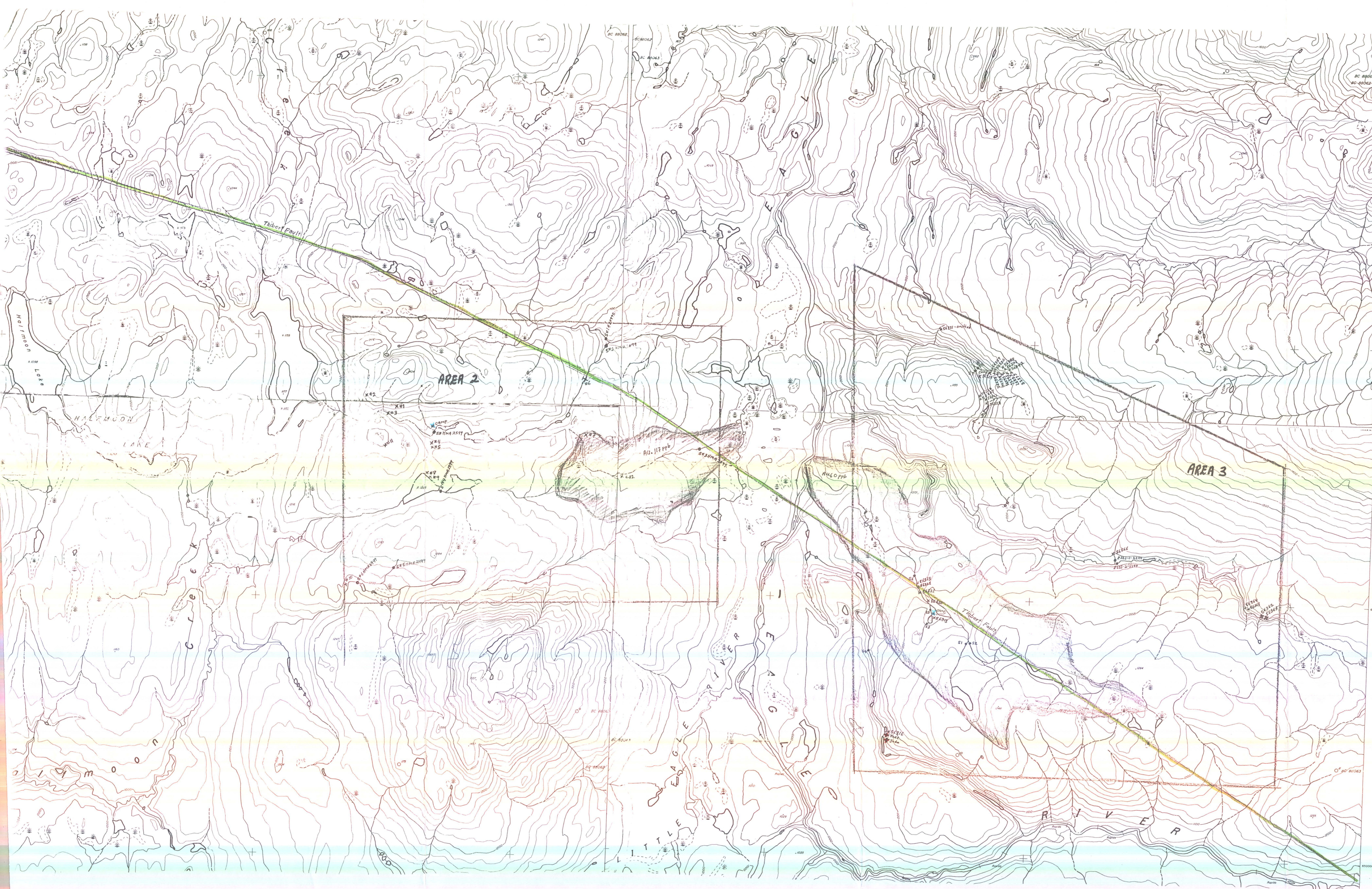
Sample Name	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
56315	788	19	831	<2	19	<1	5	<0.01	0.19	1.30	2.83	18%	<0.01	0.03	<0.01
56316	640	15	422	<2	2	<1	4	<0.01	0.11	0.28	3.39	12%	0.01	0.02	<0.01
56320	363	17	770	<2	83	1	5	<0.01	0.03	1.28	3.81	17%	<0.01	0.02	<0.01
56321	32	178	729	<2	12	3	5	0.24	2.96	1.73	5.36	2.02	0.02	0.04	0.04
56324	37	61	391	<2	9	2	5	0.24	0.76	1.14	2.10	0.46	0.03	0.08	0.13
56325	160	105	340	3	24	2	5	0.17	1.59	0.37	2.98	1.40	0.60	0.04	0.07
56326	58	21	153	7	29	2	2	0.07	0.80	0.39	1.20	0.49	0.16	0.07	0.09
56327	235	119	421	7	12	1	5	0.30	2.26	0.27	3.13	1.86	1.33	0.07	0.06
56328	168	135	398	5	12	1	8	0.19	1.83	0.24	2.86	1.56	0.75	0.06	0.04
56329	35	6	340	16	65	5	2	<0.01	0.30	1.44	1.25	0.36	0.18	0.05	0.07
56330	125	48	204	5	15	2	2	0.13	0.89	0.40	2.07	0.63	0.29	0.05	0.04
56332	179	87	359	5	10	1	5	0.28	2.05	0.29	2.97	1.66	1.27	0.05	0.05
56334	118	78	430	4	9	1	7	0.17	1.42	0.17	1.93	1.10	0.68	0.05	0.02
56335	114	38	1148	3	28	1	4	0.13	1.06	0.24	2.08	0.72	0.45	0.05	0.03
56336	84	27	272	3	23	1	2	0.09	0.88	0.26	1.30	0.51	0.29	0.06	0.04
56337	121	59	248	5	33	2	6	0.11	1.48	0.35	1.67	0.86	0.49	0.07	0.06
56338	114	55	231	3	12	1	7	0.14	1.24	0.13	1.60	0.88	0.65	0.05	0.01
56340	36	7	380	7	128	2	3	<0.01	0.34	2.07	1.50	0.61	0.21	0.04	0.08
56341	206	107	249	9	7	1	3	0.23	1.95	0.40	3.43	1.78	0.95	0.05	0.09
56342	159	102	331	12	12	1	4	0.20	1.59	0.42	2.67	1.35	0.55	0.05	0.07
SILT 1	48	75	1326	6	39	2	3	0.11	1.43	0.84	3.43	0.69	0.05	0.03	0.08
SILT 2	50	59	2638	6	55	2	3	0.07	1.53	1.08	4.14	0.75	0.06	0.03	0.09
SILT 3	157	49	2585	10	87	3	3	0.03	1.68	1.15	4.35	1.89	0.09	0.03	0.11
SILT 4	60	69	580	7	27	4	4	0.12	1.42	0.80	2.86	0.86	0.07	0.03	0.07
SILT 5	46	54	1695	5	55	1	3	0.06	1.11	0.92	3.75	0.63	0.06	0.04	0.09
SILT 6	51	101	1924	7	51	2	8	0.07	1.48	0.85	5.76	1.03	0.08	0.04	0.09
SILT 7	59	66	496	6	45	3	4	0.10	1.32	0.77	3.47	0.84	0.07	0.03	0.09
SILT 8	56	65	2638	9	77	2	4	0.08	1.35	1.03	5.09	0.79	0.08	0.03	0.07

Minimum Detection 1 2 1 2 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

Maximum Detection 10000 10000 10000 10000 10000 10000 10000 1.00 10.00 10.00 10.00 10.00 10.00 10.00 5.00 5.00

Method ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample



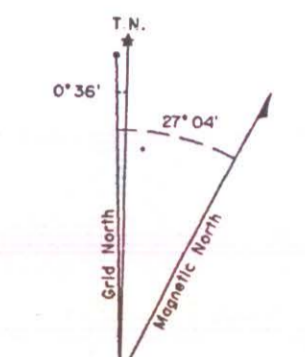
Legend

- X - Camp
- X showings - of significance
- X Rock sample locations
- Gilt sample locations
- Fault
- Anomaly done by BC Regional Geotechnical Survey 1996

Rights-of-way:

Township	-----
District lot/Township section/Indian reserve	=====
Mineral claim/Coal or Phosphate licence	=====
Rights-of-way, transportation	-----
1/4 section/Foreshore lot/Subdivision	-----
Rights-of-way, utilities	-----
Cadastral lot	-----

Notes
 Digital data and additional copies of this map are available through MAPS-BC, Survey and Resource Mapping Branch, Ministry of Environment, Lands, and Parks, Parliament Buildings, Victoria B.C. V8V 1X4.



Approximate Mean Declination 1996 for Centre of Map
 Decreasing 10.0' Annually

104E081	104E082	104E083
104E071	104E072	104E073
104E061	104E062	104E063

Adding Sheet Index in the British Columbia Geographic System.

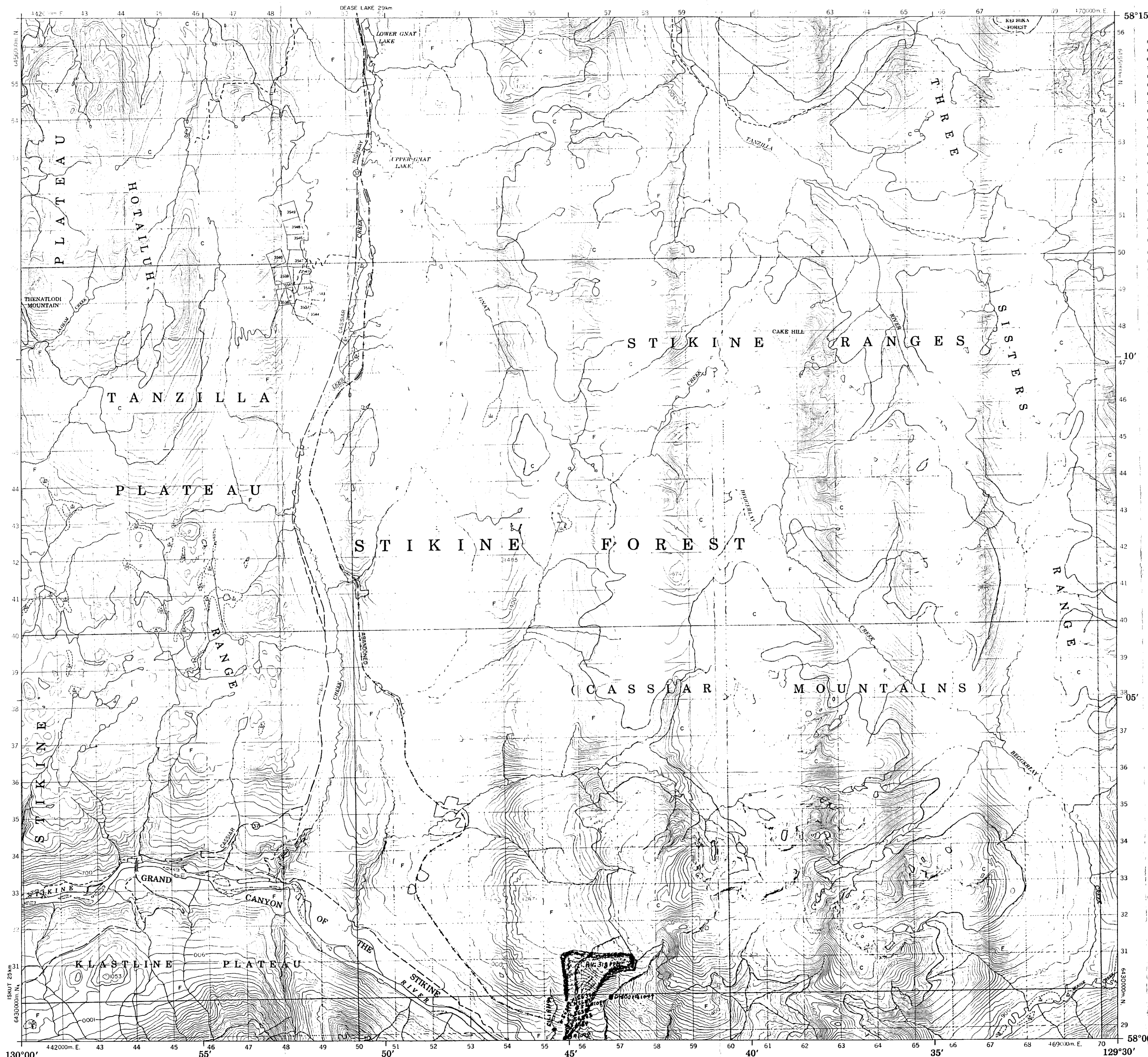
LEGEND

Transportation	
Road, paved	-----
Road, gravel	-----
Road, flag	-----
Trail/Line/Canal line	-----
Railway, double track	-----
Railway, multiple track	-----
Railway, abandoned	-----
Well, existing	-----
Cut/Fill	-----
Bridge, to scale, symbolized	-----
Tunnel, to scale, symbolized	-----
Landmark features	
Building, to scale, symbolized	-----
Built up area	-----
Fence	-----
Transmission line	-----
Tower	-----
Drainage and related features	
Coastline/River/Stream, definite	-----
Coastline/River/Stream, indefinite	-----
River/Stream, intermittent	-----
River/Stream, soil	-----
Lake, definite	-----
Lake, indefinite	-----
Dike	-----
Flooded land	-----
Swamp/Marsh	-----
Beaver dam	-----
Dock/Wharf/Pier, symbolized	-----
Island, symbolized	-----
Water level	-----
Relief features	
Contour, index, definite	-----
Contour, intermediate, definite	-----
Contour, intermediate, indefinite	-----
Contour, intermediate, depression	-----
Spot height	-----
Vegetation	
Wooded area	-----
Control data	
Control point, horizontal, permanently marked	-----
Control point, vertical, permanently marked	-----
Cadastral	
Survey of Federal and Provincial Crown Land	-----
Sub-division of Provincial Crown Land	-----
Rights-of-way	-----
Township	-----
District lot/Township section/Indian reserve	=====
Mineral claim/Coal or Phosphate licence	=====
Rights-of-way, transportation	-----
1/4 section/Foreshore lot/Subdivision	-----
Rights-of-way, utilities	-----
Cadastral lot	-----

For complete reference to symbols, see "Specifications and Guide" for Digital Baseline Mapping of 1:20,000 published by the Ministry of Environment, Lands, and Parks.

Notes 99-43 ①

Digital data and additional copies of this map are available through MAPS-BC, Survey and Resource Mapping Branch, Ministry of Environment, Lands, and Parks, Parliament Buildings, Victoria B.C. V8V 1X4.



Military users refer to this map as **SERIES A 701 SHEET 104-1/4 (MTC)** ÉDITION 3MCE ÉDITION

Digital Mapping **1:50,000** Cartographie numérique

Reference de cette carte pour usage militaire

LEGEND - LÉGENDE

ROAD, HARD SURFACE, ALL WEATHER	ROUTE SURFACE DURCIE, TOUTES SAISONS
ROAD, LOOSE SURFACE	ROUTE, SURFACE DE GRAVIER
CART TRACK, WINTER ROAD	CHAMAIN CE CHANNOI, ROUTE D'HIVER
TRAIL, CUT LINE, PORTAGE	SENTIER PERÇEE OU PORTAGE
BUILT-UP AREA	AGGLOMÉRATION
RAILWAY, STICKING STATION, STOP	CHÉMIN DE FER, LÉDÉ ENTÈMENT, STATION ARRÊT
BRIDGE	POINT
SEAPLANE BASE, SEAPLANE ANCHORAGE	BASE D'HYDROAVIONS ANCRAGE D'HYDROAVIONS
HOUSE, BARN	MAISON GRANGE
CHURCH, SCHOOL, POST OFFICE	ÉGLISE, ÉCOLE, BUREAU DE POSTE
TOWER, FIRE COMMUNICATION	TOUR FEU COMMUNICATION
WELL, OIL GAS, TANK, WATER	PUITS PÉTROLE, GAZ, RÉSERVOIR, EAU
POWER TRANSMISSION LINE	LINE DE TRANSPORT D'ÉNERGIE
MINE, GRAVEL PIT	MINE CARRIÈRE DE GRAVIER
CUTTING, EMBANKMENT	TRANCHÉE REMBLAIS
INTERNATIONAL, PROVINCIAL BOUNDARY WITH MONUMENT	CONFINE INTERNATIONALE LIMITE PROVINCIALE AVEC BORNE
PROVINCIAL BOUNDARY, UNSURVEYED	CONFINE PROVINCIALE, NON ARPENTÉE
COUNTY, DISTRICT BOUNDARY	CONFINE DE COMTE OU DE DISTRICT
TOWNSHIP, PARISH BOUNDARY	CONFINE DE CANTON DE PAROISSE
MUNICIPALITY BOUNDARY	CONFINE DE MUNICIPALITÉ
RESERVE, SANCTUARY PARK, ETC. BOUNDARY	CONFINE DE RÉSERVE, PARCS, ETC.
OUTLINED LANDMARK AREA BOUNDARY APPROXIMATE ETC.	CONFINE D'UN MONUMENT APPROXIMATIF, ETC.
D.L.S. TOWNSHIP CORNER, SURVEYED/UNSURVEYED	CONFINE CANTON, ARPENTÉ/NON ARPENTÉ
D.L.S. SECTION CORNERS	CONFINE DE SECTION (A.T.C.)
HORIZONTAL CONTROL POINT	POINT DE CONTRÔLE PLANE MÉTRIQUE
BENCH MARK, WITH ELEVATION	MARKER DE NIVELLEMENT AVEC COTE
SPOT ELEVATION, PRECISE	POINT CÔTE, PRÉCIS
STREAM OR SHOULDER, INDEFINITE	COURS D'EAU OU RIVIERE, IMPRÉCIS
LAKE, INTERMITTENT LAKES	LAC, LACS INTERMITTENTS
FLOODED LAND	TERRAIN INONDÉ
MARSH, SWAMP (WOODED), STRANG BOG	MARAIS MARÉCAGEUX, FONDRIÈRE À FLAMENTS
DRY RIVER BED WITH CHANNELS	RIVIÈRE ASSÈCHÉE AVEC CHENAIKS
RAPIDS, FALLS, RAPIDS	RAPIDES CHUTES D'EAU
FORMERSIDE PLATS, SAND, WATER, ROCKS	PLATEAUX SABLEUX SOUS L'EAU, ROCHERS
TUNDRA, LAKES IN TUNDRA, POLYGENS	TUNDRA LA TUNDRA, POLYGENS DE TUNDRA
FALSA BOO	FONDRIÈRE DE FAISSE
DAM, WHARF	BARRIÈRE, QUAI
ICEFIELD, GLACIER, MORANE	CHAMP DE GLACE, GLACIER, MORANE
POND	POND
DITCH	FOSSÉ
CONTOURS	COURBES DE NIVEAU
APPROXIMATE CONTOURS	COURBES DE NIVEAU APPROXIMATIVES
DEPRESSION CONTOUR	COURBE DE CUVETTE
CLIFF	MARCADE
SPOT ELEVATION, APPROXIMATE, LAND, WATER	POINT DE NIVELLEMENT APPROXIMATIF, SUR TERRE, SUR L'EAU
ESKER	ESKER
SAND, SAND DUNES, RAISED BEACHES	SABLE, DUNES DE SABLE, PLAGES SURÉLEVÉES
HISTORIC SITE	LIEU HISTORIQUE
WOODED AREA, FOREST, CLEARED AREA	SURFACE BOISÉE, FORÊT, ESPACE DÉBOISÉ, CLAIRIÈRE

GLOSSARY - GLOSSAIRE

ABANDONED	ABANDONNÉ
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PHOTOGRAPHY PHOTOGRAPHIE

COMPILED	RESTITUTION
73 A-23875 8/74 77	
223 A-23885 9/74 228	
150 A-23875 8/74 147	

REVISION

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EXAMPLE OF METRIC GRID
 10 CM x 10 CM (3.937 INCHES x 3.937 INCHES)
 1 METRE x 1 METRE (39.37 INCHES x 39.37 INCHES)
 100 METRES x 100 METRES (3280.84 FEET x 3280.84 FEET)

REFERENCE POINT
 POINT DE RÉFÉRENCE: ÉGLISE (11 00000)
 CHURCH (11 00000)
 EASTING: Road number on grid 11
 UTM coordinate in feet of point
 EASTING: Road number on grid 11
 UTM coordinate in metres of point

REVISION: Road number on grid 11
 UTM coordinate in feet
 UTM coordinate in metres

GRID REFERENCE
 ROAD NUMBER ON GRID 11
 UTM COORDINATE IN FEET
 UTM COORDINATE IN METRES

REFERENCE TO QUADRANGLE
 ROAD NUMBER ON GRID 11
 UTM COORDINATE IN FEET
 UTM COORDINATE IN METRES

ONE THOUSAND METRE
 UNIVERSAL TRANSVERSE MERCATOR GRID
 ZONE 18
 QUADRILLAGE DE MILLE MÈTRES
 TRANSVERSE UNIVERSAL DE MERCATOR

104 J/8	104-1/5	104-1/6
104 J/1	104-1/4	104-1/3
104G/16	104H/13	104H/14

The 1984 MAGNETIC BEARING is 28° 51' (513 ppm) EAST OF GRID NORTH.
 L'ANNÉE MAGNÉTIQUE DÉCROISSANTE EST 28° 51' (513 ppm) NORD DU NORD GÉOGRAPHIQUE.

Le 1984 MAGNETIC BEARING is 28° 51' (513 ppm) EAST OF GRID NORTH.
 L'ANNÉE MAGNÉTIQUE DÉCROISSANTE EST 28° 51' (513 ppm) NORD DU NORD GÉOGRAPHIQUE.

CONVERSION SCALE FOR ELEVATIONS
 ÉCHELLE DE CONVERSION DES ALTITUDES

Metres	30	100	300	1000	3000	10000
Feet	100	330	1000	3300	10000	33000

PRODUCED BY THE SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA. VÉRIFICATION DES DONNÉES EN 1983. FURTHER COPIES MAY BE OBTAINED FROM THE CANADA MAP OFFICE, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA, OR YOUR NEAREST MAP DEALER.
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ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL
 CONTOUR INTERVAL 20 METRES
 NORTH AMERICAN DATUM 1927
 TRANSVERSE MERCATOR PROJECTION

Legend
 x Rock samples
 o Gill samples
 22. Regional Geochemical Survey 1976

CAKE HILL
 CASSIAR LAND DISTRICT
 BRITISH COLUMBIA COLOMBIE-BRITANNIQUE
 Scale 1:50 000 Échelle

Miles 0 1 2 3
 Metres 0 1000 2000 3000 4000

ALTITUDES EN MÈTRES
 ÉQUIDISTANCE DES COURBES 20 MÈTRES
 SYSTEME DE RÉFÉRENCE GÉODÉSIQUE NORD AMÉRICAIN 1927
 PROJECTION TRANSVERSE DE MERCATOR

POUR TOUT RENSEIGNEMENT CONCERNANT LES REPERES ET BORNES ALTIMÉTRIQUES, S'ADRESSER AUX BUREAUX GÉODÉSIE, DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, OTTAWA.

ÉTABLI PAR LA DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, LE MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA. VÉRIFICATION DES DONNÉES EN 1983. LES CARTES SONT EN VENTE AU BUREAU DES CARTES DU CANADA, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA, OU CHEZ LE VENDEUR LE PLUS PRÈS.

© 1984 SA MAJESTÉ LA REINE DU CHEF DU CANADA. LE MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES.

CAKE HILL
 104-1/4
 ÉDITION 3

Energy, Mines and Resources Canada
 Énergie, Mines et Ressources Canada

99.43 ②



58° 42' 00" N
130° 12' 00" W

Universal Transverse Mercator Projection
North American Datum - NAD83
UTM Zone 9

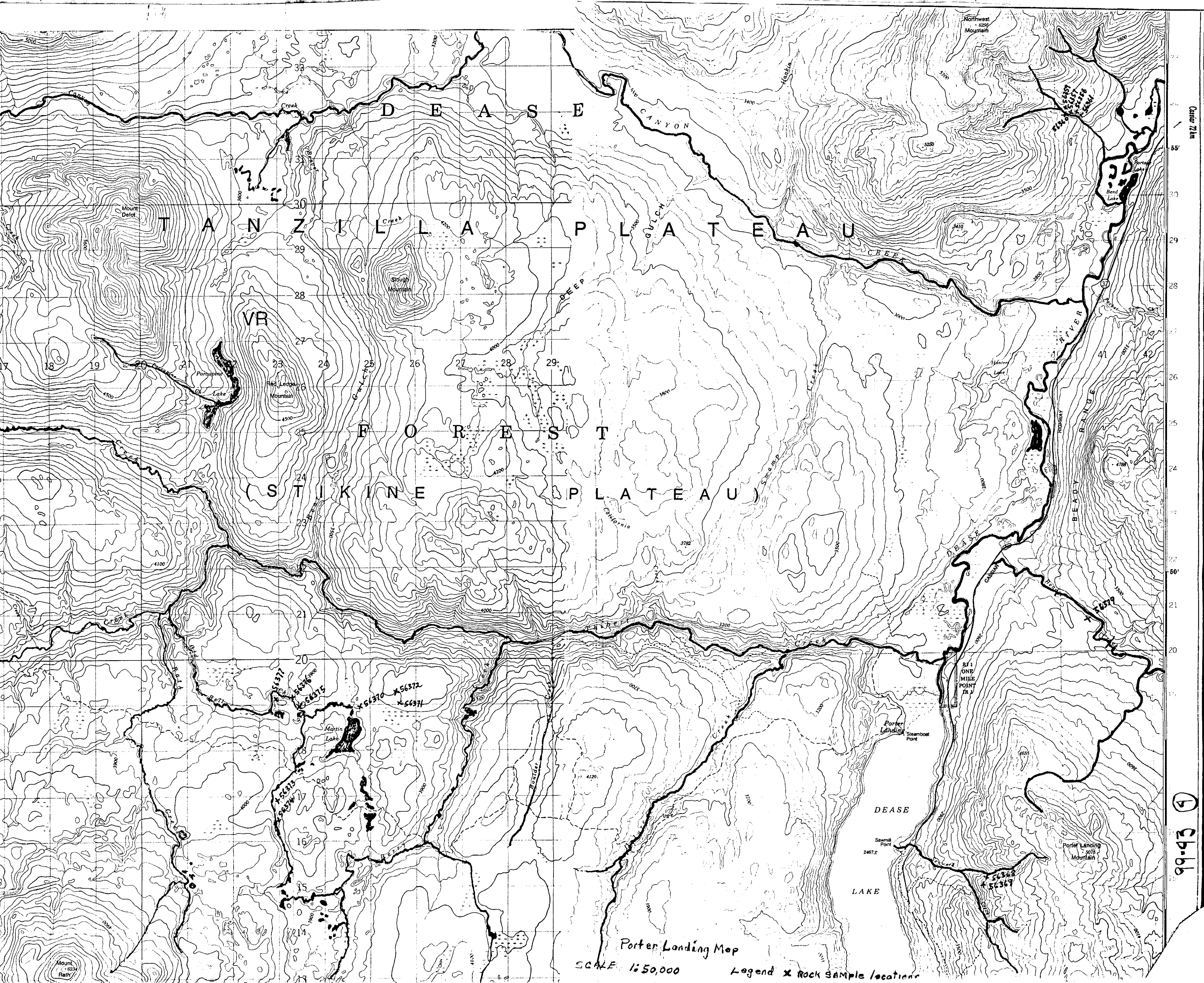
Land District: *Org*
Land Title Dist.:
Latest Plan No.:
Date:

SCALE 1:20 000
200 0 200 400 600 800 1000 1200 1400
METRES

99-43 (3)

Contours generated from Digital Elevation Model.
Contour Interval 20 metres.
Elevations in metres above Mean Sea Level.

DIGITAL DATA AVAILABLE	
PLANIMETRY	<input checked="" type="checkbox"/>
CONTOUR	<input checked="" type="checkbox"/>
CADASTRAL	<input type="checkbox"/>
DEM	<input type="checkbox"/>



Porter Landing Map
SCALE 1:50,000
Legend x Rock Sample Locations

99-93 ①

Contour 21m