

**Bor Project  
2000**

**Prospecting & Geochem Report**

**Omineca Mining Division**

**93N – 3E**

**125deg. 04.264min. West Long.**

**55deg. 13.630min. North Lat.**

**Author: Lorne B. Warren**

GEOLOGICAL SURVEY BRANCH  
ALBERTA REPORT

26,451

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<b><u>Appendix #1</u></b>
Analytical Results 2000

<b><u>Appendix #2</u></b>
Major Receipts

**Project Location**

Map Sheet # 93N/3E

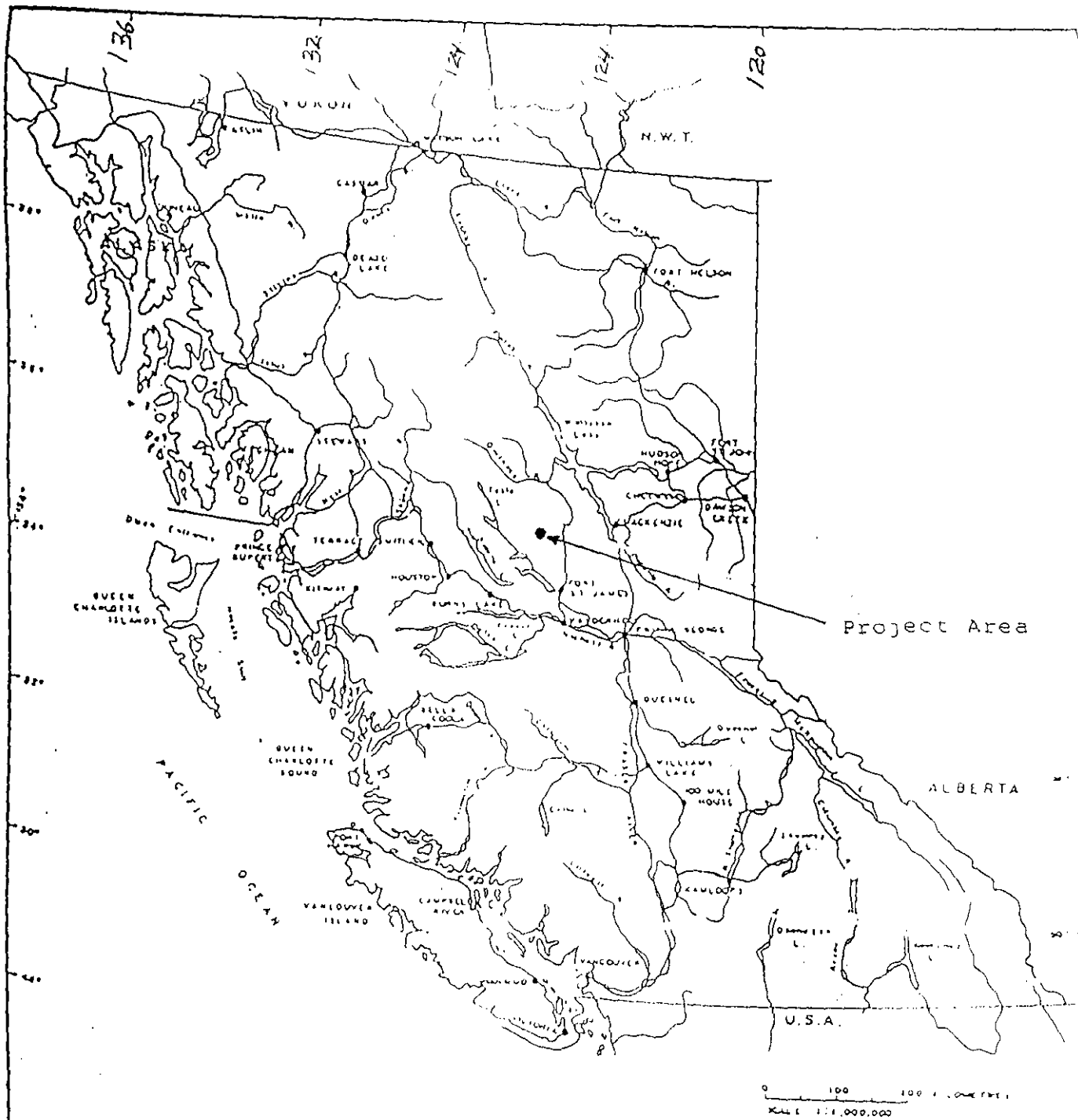
The original BOR 5-8 claims are located two and one half kilometers North of the midpoint of Tchentlo Lake. Access is by Forest Service Roads from Fort St. James B.C. The main BOR showing is located at twenty and one half kilometer on the T-Road which travels south east along Tchentlo lake.(See Fig. # )

<b><u>G.P.S. Locations</u></b>	<b><u>Zone</u></b>	<b><u>UTM East</u></b>	<b><u>UTM North</u></b>
BOR Pit	10 U	3 683 71	61 218 27
T-BOR Pit	10 U	3 639 21	61 234 84

(All G.P.S. readings were using a Trimble Scout Master using 200 readings in Acu-Lock)

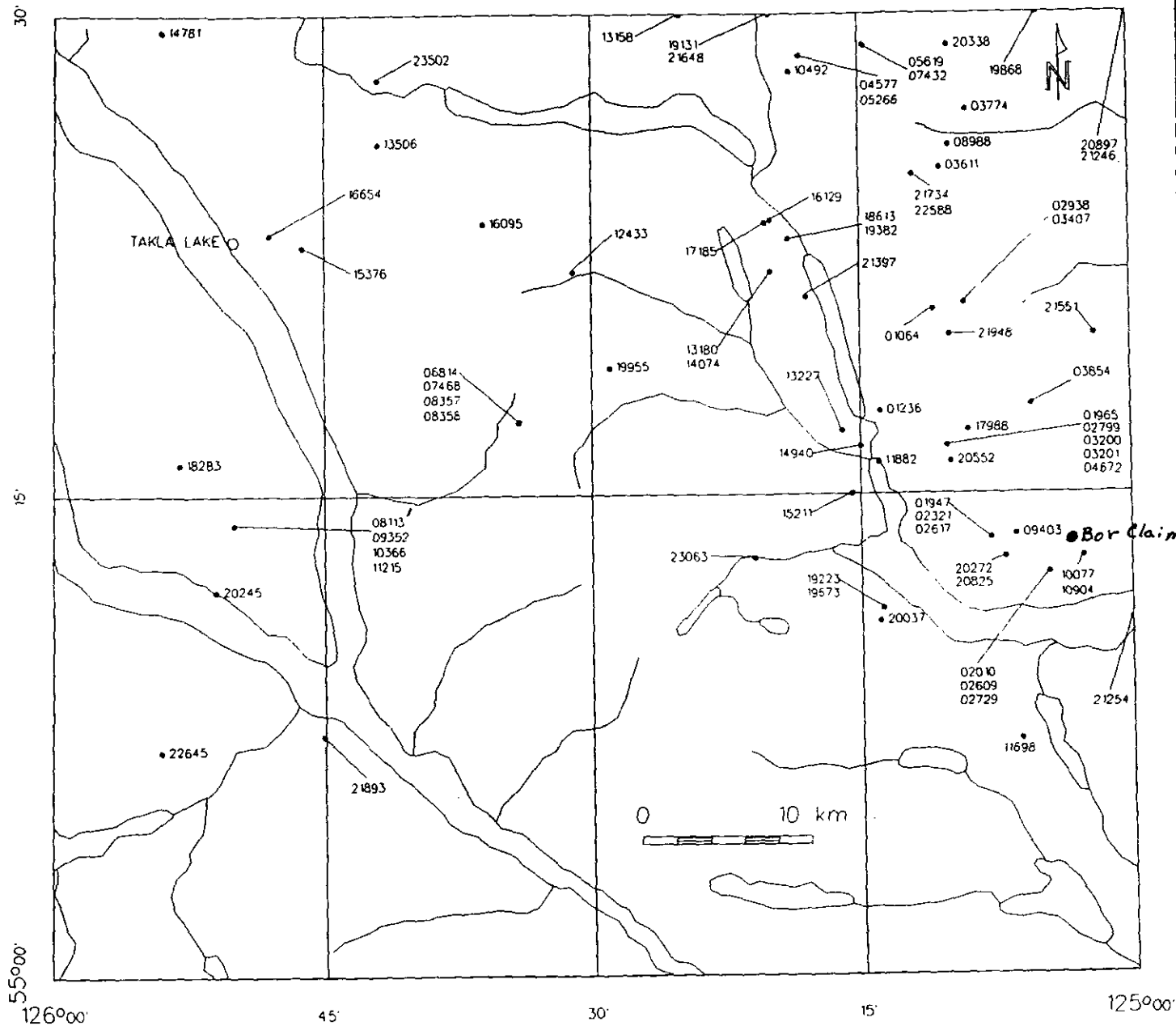
**Project Summary**

A total of 45 mandays were spent in the field for the Bor project. Starting in July of 2000 and completion in late October of 2000. The main objective of the program was to ground proof the historical showings and old geochem results reported in assessment reports ( #'s 2617, 2729, 10 077, 20 272, 20 575). All logging slashes were prospected for outcrop via drivable roads using a quad and four by four for transportation. A helicopter was utilized for three days for reconnaissance of the Tchentlo area and access to showing and outcrops not accessible by road. The Bor pit area was prospected in detail and a soil mag grid was established over the showing area (Fig. 7, 7a). The Tbor pit at 15.5 km was prospected in detail and a recon mag soil grid was established (Fig. 6, 6a).



REVISED	BOR 2000 Project	
	Location Map	
FROM: _____	SURVEY BY: LBW	DATE: DEC 2000
DATE: _____	DRAWN BY: LBW	SCALE: _____
DWG No	OFFICE: _____	
1		

VA 11921



**BC**  
 Ministry of Energy, Mines and  
 Petroleum Resources



Geological Survey Branch  
**ASSESSMENT REPORT  
 INDEX MAP**

**NTS 093N SW**  
**MANSON RIVER**

Date Revised: **DECEMBER, 1995**

128°	122°	
57°	57°	
094 D	094 C	094 B
093 M	<b>093 N</b>	093 O
093 L	093 K	093 J
54°	54°	
128°	122°	

13	14	15	16
12	11	10	9
<b>5</b>	<b>6</b>	7	8
4	3	2	1

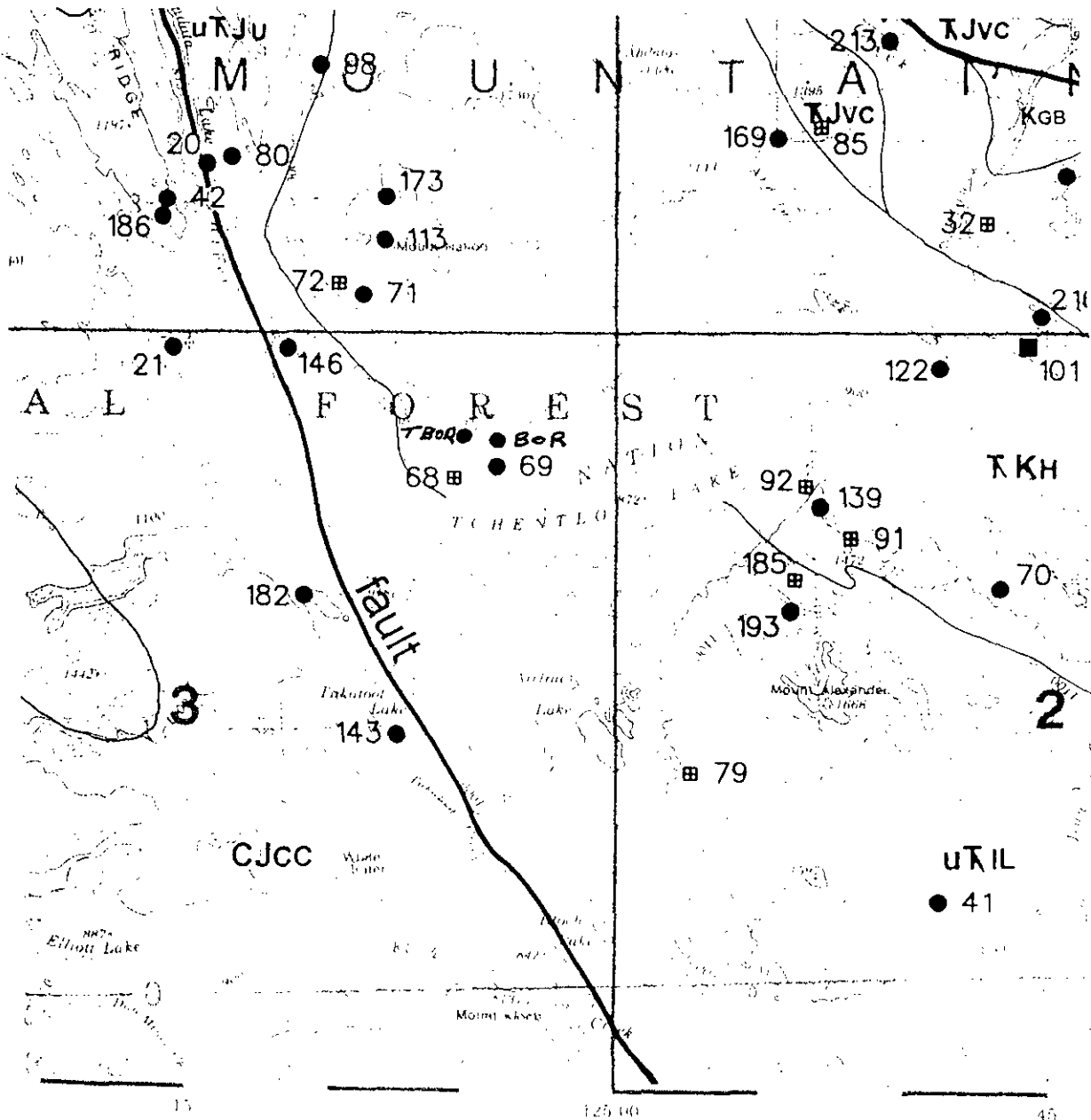
**1:125 000 NTS INDEX**  
 \*Base Map NAD 83; Data NAD 27; Possible Error <250m  
 Projection - Transverse Mercator  
 For Further Information contact:  
 Assessment Report Unit at (604) 952-0383

# MINFILE MAP NTS 093N MANSON RIVER

This MINFILE release researched and compiled by:  
D.M. Melville, D.M. Nelles, G.J. Payie, K. Bellefontaine and F. Ferri

Date Revised: January 1993

Scale 1:250 000



## Map Legend - 093N

### MINFILE Occurrences

NUMBER	NAME	COMMODITIES
20	Indata Lake Mercury	Hg
21	Tchentlo	Hg Au
42	Indata Lake Manganese	Mn
68	Falcon	Cu Mo Pb
69	Fal	Cu Zn Pb Ag As
70	Dip	Cu Fe Ma Mu
71	Heath #3	Cu Ag Au
72	Heath #1	Cu Ag Au Pb Zn
79	JW	Cu Mo
80	Indata #5	Hg
85	Aplite Creek	Cu Au
91	Knight Hawk	Cu Au Ag Fe Ma
92	Vector	Cu Au Ag
98	B	Cu Ag
101	Col	Cu Au
113	Nation Mountain	Cu
122	Gun	Cu
139	Mid	Cu Au Ag
143	Takatoot Lake	Hg Cu
169	Sooner	Mo
173	Tyger	Cu
182	Bar	Hg
185	Gibson	Au Ag Pb Zn Cu
186	Indata Lake	Ls
193	Phil 20	Au Ag Pb

## History

In the fall of 1999 loggers excavating a rock pit at 20.5 km on the T-road exposed chalcopyrite, iron pyrite and magnetite mineralization. On the 21 of October Lorne and Chris Warren examined the rock pit and located four two post mineral claims (Bor 3-6) over the showing.

The N.B.C. Syndicate in 1970 had located a large copper geochem anomaly which had not been followed up (Private Files). After mapping the anomaly it measures 1.5 km in length and up to 300 m in width centered over a regional mag feature.

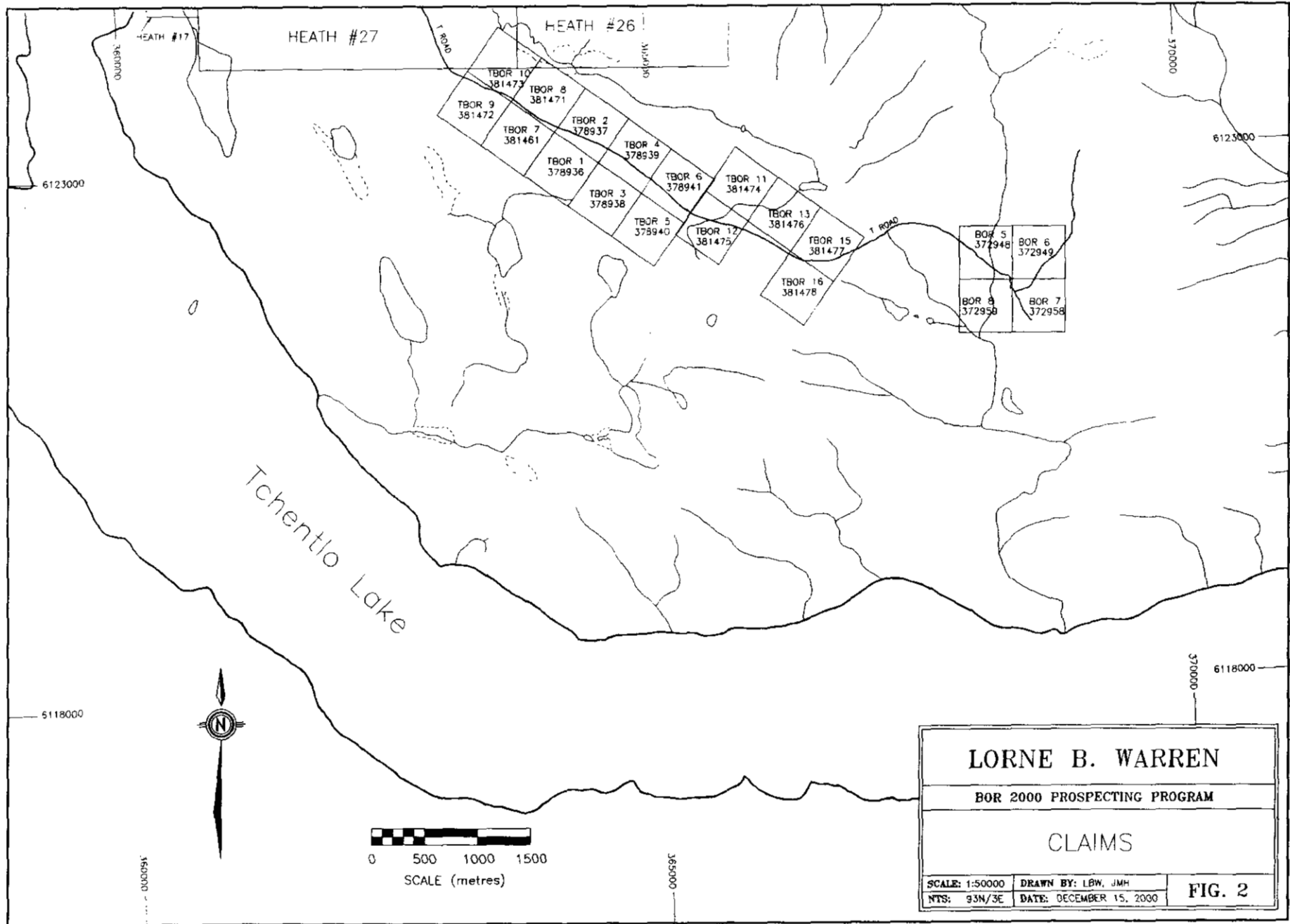
Placer Development in 1981 soil sampled and geophysically surveyed to the east of the N.B.C. Syndicate anomaly. The soils on the JP Mineral claims indicated a copper anomaly , a rock sample assayed 0.5% copper in the soil anomaly area.

In 1989 (assessment report # 20272) Northwest Geological Consulting Ltd did work on the Falcon Property. Included in the report is a map showing previous work and copper anomalies in the general area of the Bor claims.



## Claims And Ownership

<b>Claim Name</b>	<b>Tenure #</b>	<b>Expiry Date</b>	<b>Owner</b>
TBOR 1	378936	20010719	L.B. Warren
TBOR 2	378937	20010719	L.B. Warren
TBOR 3	378938	20010719	L.B. Warren
TBOR 4	378939	20010719	L.B. Warren
TBOR 5	378940	20010719	L.B. Warren
TBOR 6	378941	20010719	L.B. Warren
TBOR 7	381461	20011004	L.B. Warren
TBOR 8	381471	20011004	L.B. Warren
TBOR 9	381472	20011004	L.B. Warren
TBOR 10	381473	20011004	L.B. Warren
TBOR 11	381474	20011004	L.B. Warren
TBOR 12	381475	20011004	L.B. Warren
TBOR 13	381476	20011004	L.B. Warren
TBOR 15	381477	20011004	L.B. Warren
TBOR 16	381478	20011004	L.B. Warren
BOR 5	372948	20031021	C.I. Warren
BOR 6	372949	20031021	C.I. Warren
BOR 7	372958	20031021	L.B. Warren
BOR 8	372959	20031021	L.B. Warren

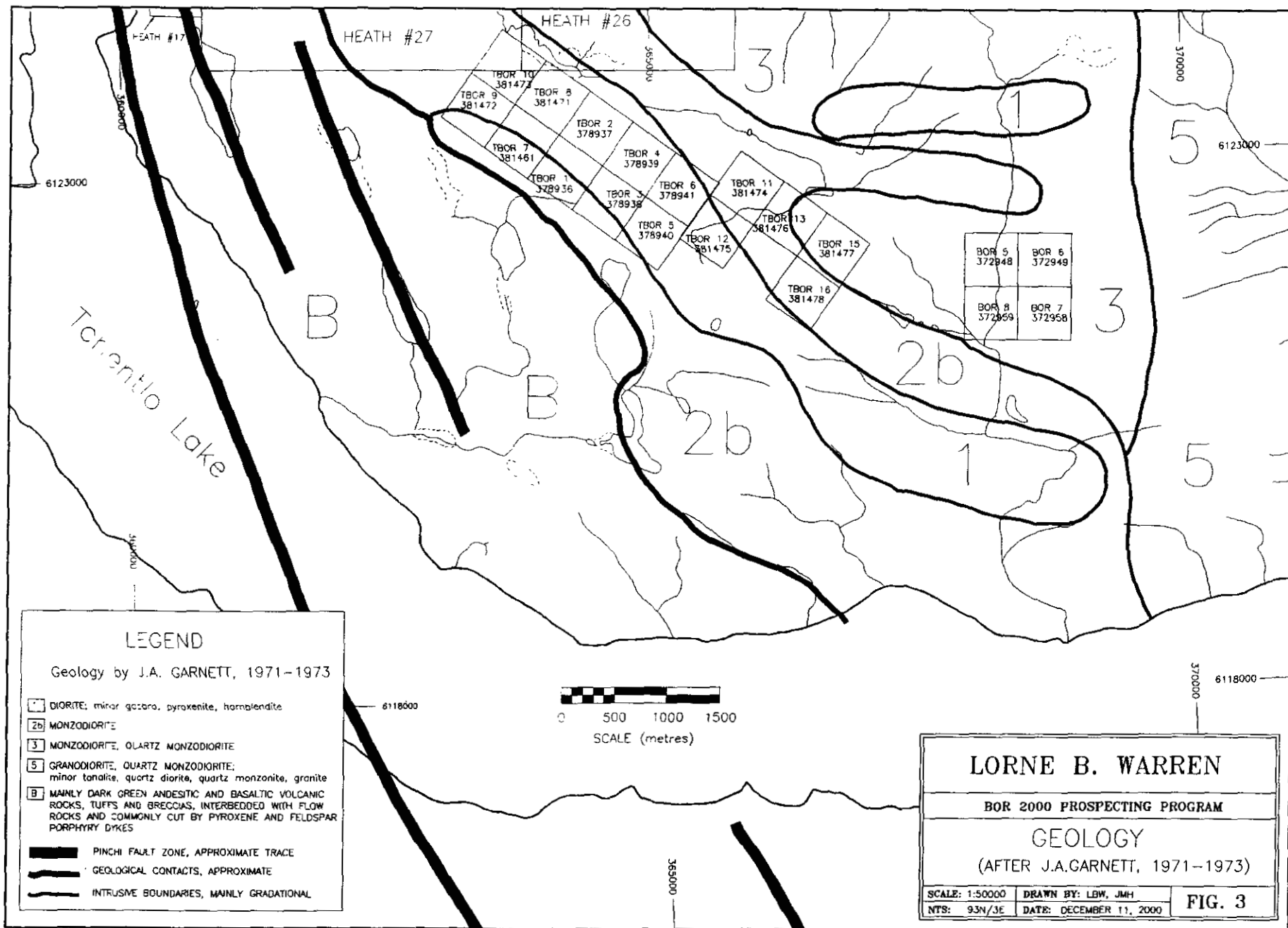


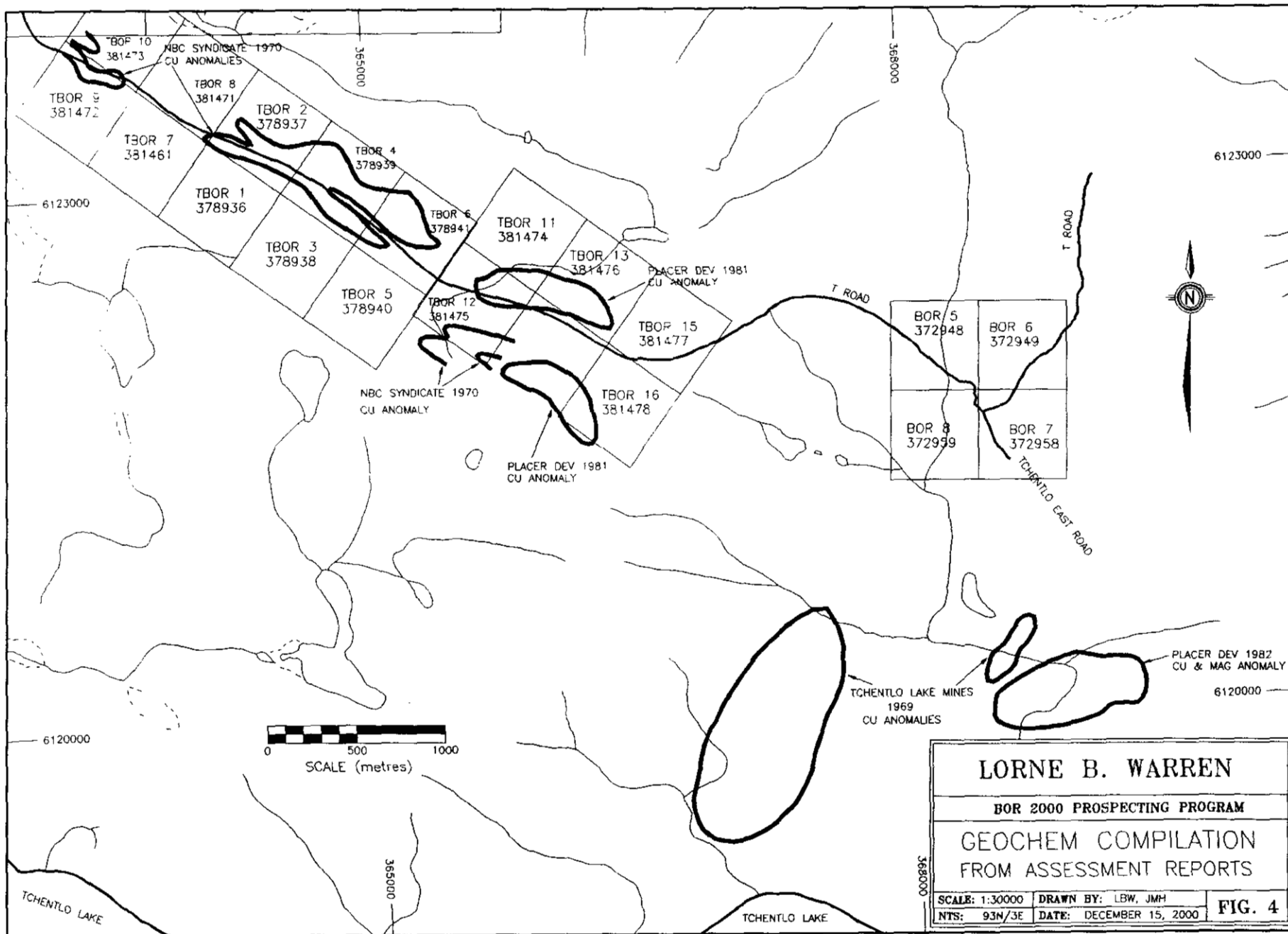
## **Regional Geology**

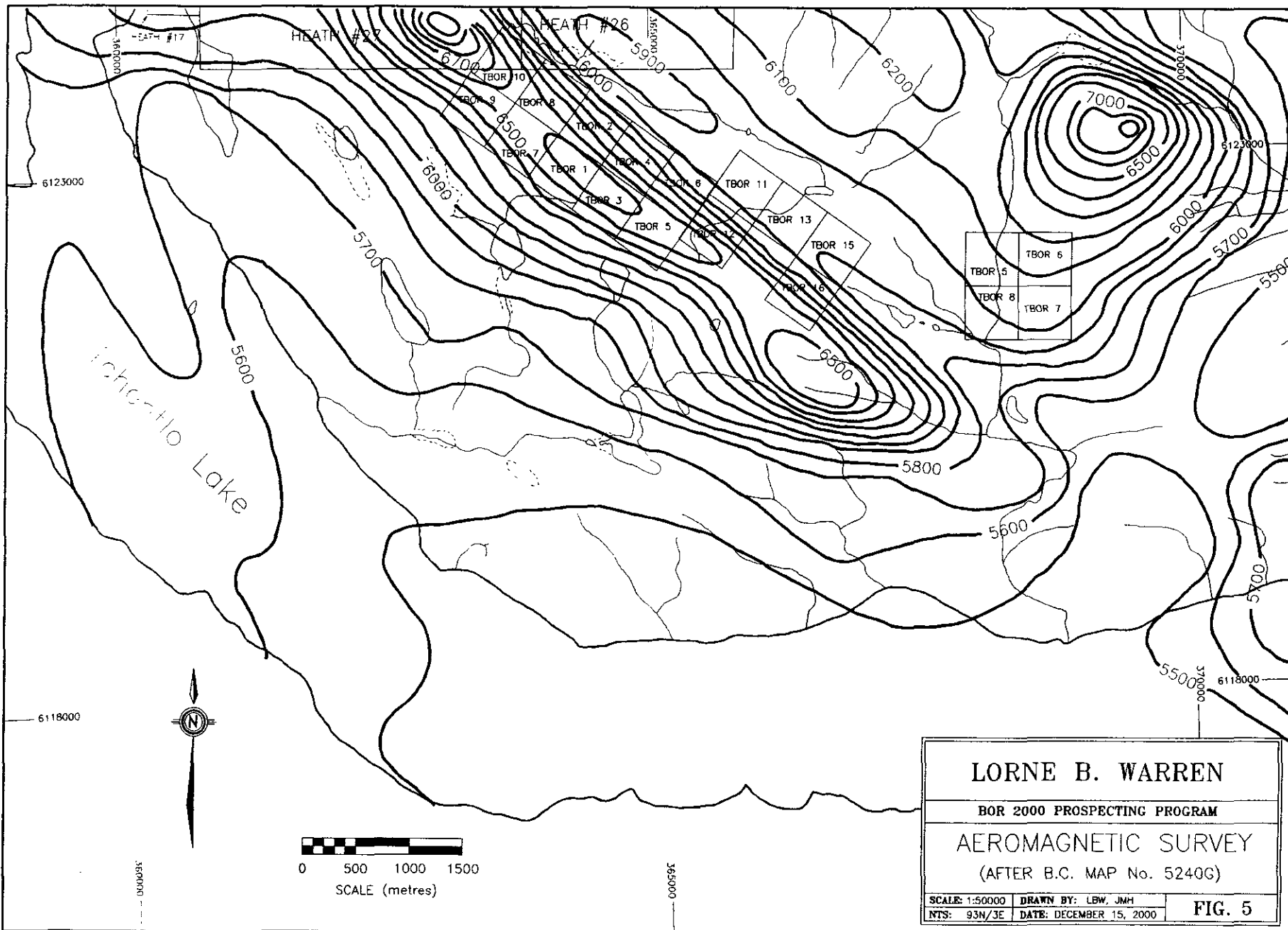
The area of interest lies near the southern end of the southern Hogem batholith, a complex, triple-phase, composite calc-alkaline to alkalic group of plutons that range in age from Lower Jurassic to Lower Cretaceous ( Garnett 1978 – Fig. 3). These plutons intrude coeval volcanic and sedimentary rocks of the Takla Group which are bounded immediately west by the Pinchi fault and seventy km east by the Manson Fault. Tectonically this graben structure, including the intrusive, volcanic and sedimentary rocks is more commonly referred to as the Quesnel trough.

## **Property Geology**

The Bor 5-8 mineral claims and the T-Bor 1-13-15,16 mineral claims have been interpreted to be underlain by Hogem Batholith presumably upper Jurassic to lower Cretaceous age (Armstrong G.S.C. Memoir 252). The syendodiorites are generally green, medium to coarse grained highly magnetic rocks composing of quartz, K-feldspar, plagioclase feldspar, hornblend, biotite, chlorite and magnetite. The Gabros are coarse grained dark green rock consisting mainly of bytownite, orthoclase, augite and magnetite. Both rock types are mineralized with pyrite ranging from trace to five percent. (Garnett J.A. 1972-73)







## **Project Objectives**

1. Stake minimum of 77 units.
2. Prospect all new logging roads and slashes
3. Establish soil grid centred on Bor rock pit (100m line spacing – 50m sample intervals, approx. 212 soil samples.)
4. Prospect and map using the soil grid.
5. Check out old soil geochem anomalies in the area.
6. Check high tungsten heavy min sample from previous work.
7. Rock sample the Bor pit and other rock cuts.
8. Magnetometre survey of geochem grid over the Bor claims.

Estimate 62 to 80 mandays to complete the above program.

## **Prospecting Results**

As a result of the prospecting of the area it was decided that it was not necessary to stake the number of units first proposed. The logging slashes prospected had very little outcrop, extensive overburden covers majority of area resulting in less than ten percent outcrop. The prospecting of the T-Road revealed several minor mineral occurrences at 15.5km, 16.5 to 18 km and 22.7 km, all copper mineralization was associated with the Hogem intrusive suite of rocks.

The Bor pit still remains the most significant showing found to date. Although surface prospecting around the Bor pit area failed to yield any new significant occurrences of copper mineralization. Detailed examination of the Bor pit indicates that the copper mineralization at this site is occurring at a possible cupola type setting. The open fractures on the margins of the breccia fragments have been filled with chalcopyrite, magnetite, Fe-Pyrite masses up to half a metre in diameter. Very little alteration minerals occur with the mineralization indicating late stage mineralizing solutions. No significant chalcopyrite occurs in the top two metres in the pit exposure. This may explain why no copper mineralization was found during surface prospecting of the Bor pit area. Poor copper soil results over a significant copper showing indicates a unusual environment must exist at this location.

The T-road from 16.5 to 18 k traverses a sizable copper geochem anomaly discovered by N.B.C Syndicate in 1970. From the observations at the Bor pit this copper anomaly may have more exploration significance than was originally placed on it during our regional prospecting activities.

# Daily Reports

Name: Lorne B. Warren

Reference #00/01-P53

<u>Project Area</u>	<u>Date</u>	<u>Prospecting</u>	
		<u>Days</u>	<u>Work performed</u>
Tchentlo	July 1	2	Travel to BOR
Tchentlo	July 2	2	BOR Prospecting
Tchentlo	July 3	2	BOR Prospecting
Tchentlo	July 4	2	BOR Prospecting
Tchentlo	July 18	3	Prospecting
Tchentlo	July 19	3	Prospecting/staking
Tchentlo	July 20	3	Prospecting
Tchentlo	July 21	3	Prospecting
Hogem	Sept.21	1	HomestakeProp.Exam
Hogem	Sept.22	1	HS/B.LaneProp.Exam
Hogem	Sept.23	1	Property Exam.
Tchentlo	Sept.26	1	Property Exam
Tchentlo	Sept.29	2	Travel/Prospecting
Tchentlo	Sept.30	2	Prospecting
Tchentlo	Oct. 2	2	Prospecting
Tchentlo	Oct. 3	2	Prospecting
Tchentlo	Oct. 4	2	Prospecting/Staking
Tchentlo	Oct. 5	2	Prospecting
Tchentlo	Oct. 6	2	Prospecting
Tchentlo	Oct. 7	2	Travel
Tchentlo	Oct. 12	2	Travel/Prospecting
Tchentlo	Oct. 13	2	Soils TBOR Area
Tchentlo	Oct. 14	2	Prospecting
Tchentlo	Oct. 15	2	Prospecting
Tchentlo	Oct. 16	2	Layout Grid
Tchentlo	Oct. 17	2	Mag. On TBOR
Tchentlo	Oct. 18	2	Soils&Mag. BOR
Tchentlo	Oct. 19	2	Travel
Smithers	Oct. 20	2	Pack samples
Smithers	Dec. 5-9	9	Report Writing
		Total	67 mandays



## **Mineral Occurrences**

### **BOR Showing**

New copper occurrence discovered in 1999. A road side rock pit 10 metres by 75 metres exposes a sheeted breccia zone in Monzonite/diorite/syenite intrusives. The zone contains disseminated to massive blobs of chalcopyrite/Minor Bornite/Massive blobs of FePy and Magnetite. Low copper gold values are present through out this exposure.

### **TBOR Showing**

The rock pit at 15.5km on the T-road exposes altered syenite moderately magnetic with local K-feldspar phenocrysts and veinlets. One to three percent Fe-pyrite- hematite and magnetite. Minor chalcocite/chalcopyrite occurs along fractures and as minor disseminations.

### **Road Side Samples**

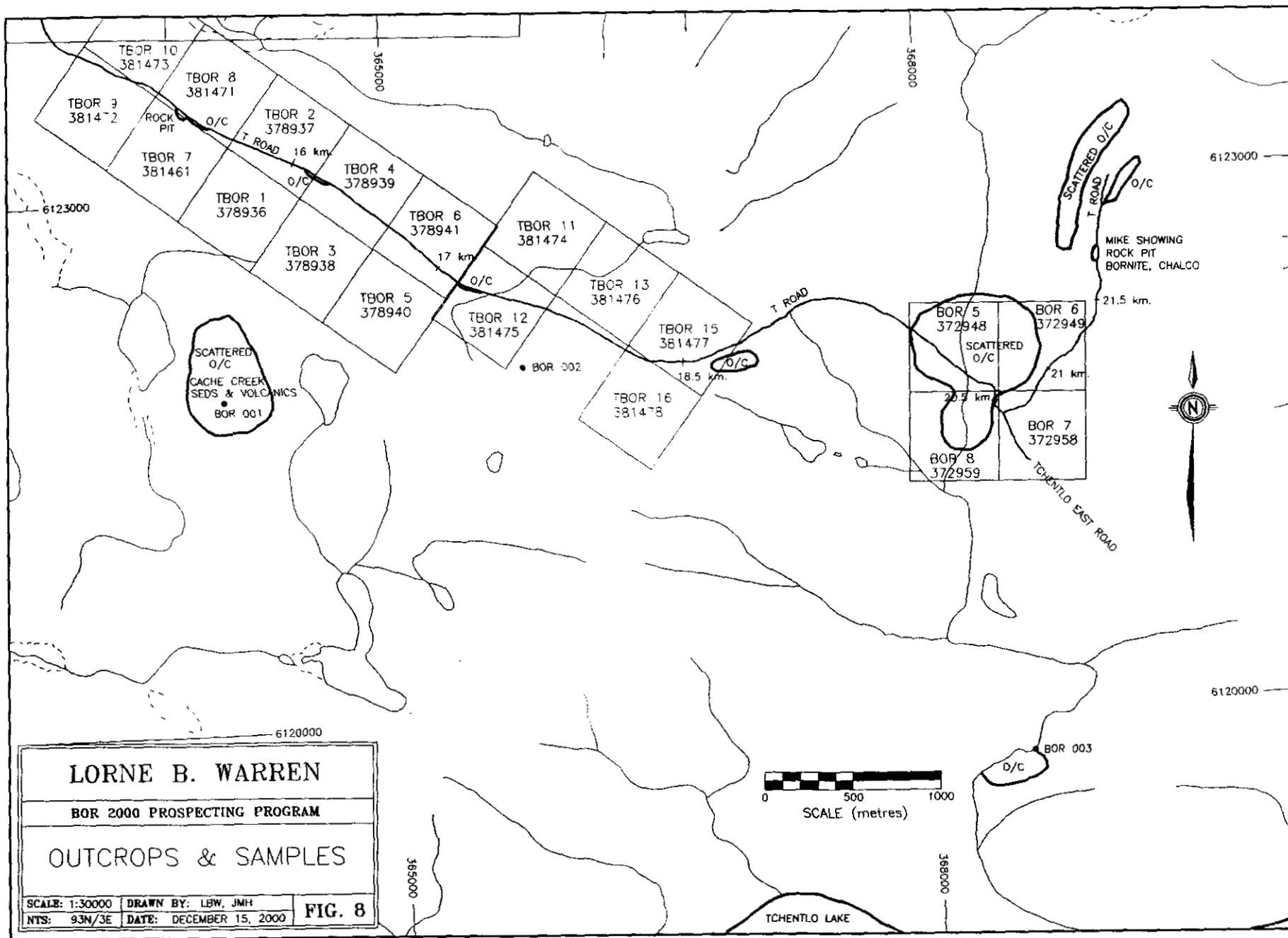
Float samples from minor outcrop and suboutcrop were located along the road side from 16.5km to 18 km on the T-road. Mineralization consists of pyrite/chalcopyrite and magnetite as dissemination, fracture fillings within dioritic to monzonitic intrusives. This porphyry-style mineralization is associated with propylitic and potassic alteration.

### **Falcon Showings**

Along a major stream approximately 1.5 km south of the Bor mineral claims GPS location Zone 10 U 368451 E 6119930 N. Outcrop along the creek bank consist of intermediate to mafic intrusive; most likely dioritic in composition. Minor chalcopyrite, pyrite, magnetite and pyrrhotite occur as fracture fillings within intrusive rock.

### **Mike Showing**

Is located at 22.7 km on the T-Road a rock pit on the north side of the road exposes monzonite to diorite brecciated intrusive moderately altered. Mineralization consists of chalcopyrite/bornite in diorite breccia fragments contained within the monzonite body. Several small suboutcrop exposures are scattered in the bottom of the rock pit.



## Bor 2000 Project Rock Assays

Sample Name	Type	Remarks	Location	ICP	ICP	ICP	ICP	ICP	ICP
				Ag ppm	As ppm	Cu ppm	Fe %	Pb ppm	Zn ppm
BOR-001	Grab	Cache creek sed.	GPS L. 363953 E 6122069 N	<0.2	25	59	4.76	6	59
BOR-003	Grab	Dark Mafic int. FePy on fractures	GPS L. 368451 E 6119930 N	<0.2	<5	427	9.47	14	38
TBOR-5	Grab	Hematite Stained Int. Min.Chalco 5% FePy		0.2	5	124	4.89	122	135
TBOR-6	Grab	Alt. Int. diss. FePy/Chalco-FePy dry frac.		<0.2	<5	97	5.52	8	46
TBOR-7	Grab	K-spar alt. Int. monzodiorite/ 5% FePy		<0.2	<5	421	5.65	12	108
TBOR-8	Grab	Qz Carbonate Vein flt.Mass. FePy/AsPy		9.8	1615	25	>15.00	296	138
TBOR-9	Grab	Qz Carbonate Vein flt.Mass. FePy/AsPy		56.8	1175	513	13.98	1962	638
TBOR-10	Grab	Alt. Latite Dike chlorite/FePy		7	125	40	8.4	1328	1403
TBOR-11	Grab	Quartz Carbonate Alt. Vol.?		3.8	1080	14	12.99	138	144
TBOR-12	Grab	gabbro int. O/C 5-10% magnetite		<0.2	<5	211	8.81	14	46
TBOR-13	Grab	Latite dike O/C		<0.2	<5	4	1.77	4	33
TBOR-14	Grab	gabbro 5-10% magnetite O/C		<0.2	<5	7	6.7	12	82
TBOR-15	Grab	5-7%Chalco in fine grain altered diorite		8.2	<5	>10000	4.71	40	76
TBOR-16	Grab	Dark Mafic int. 5% diss. Magnetite		<0.2	<5	105	12.09	22	50
TBOR-17	Grab	Dark Mafic int. Magnetite and FePy		<0.2	<5	35	9.02	16	84
TBOR-20	Grab	Bor pit 5 Metre grab		0.6	<5	1539	10.5	16	59
TBOR-21	Grab	Bor pit 5 Metre grab		0.4	<5	316	11.47	18	49
TBOR-22	Grab	Bor pit 5 Metre grab		<0.2	<5	195	8.22	12	72

## **Soil Geochem Results**

### **Bor soil grid:**

Established over the Bor pit area this consisted of three lines oriented north, south with the center line over the Bor showing. These lines were one hundred metres apart and five hundred metres in length with soil and mag readings at fifty metre intervals on the lines. A total of 33 samples were obtained. The soils averaged 15-20cm in depth to the "B" horizon, placed in kraft bags and shipped to Assayer Canada Vancouver B.C.. Standard 32 multi-element analysis was performed on these samples.

### **Observations and Conclusions:**

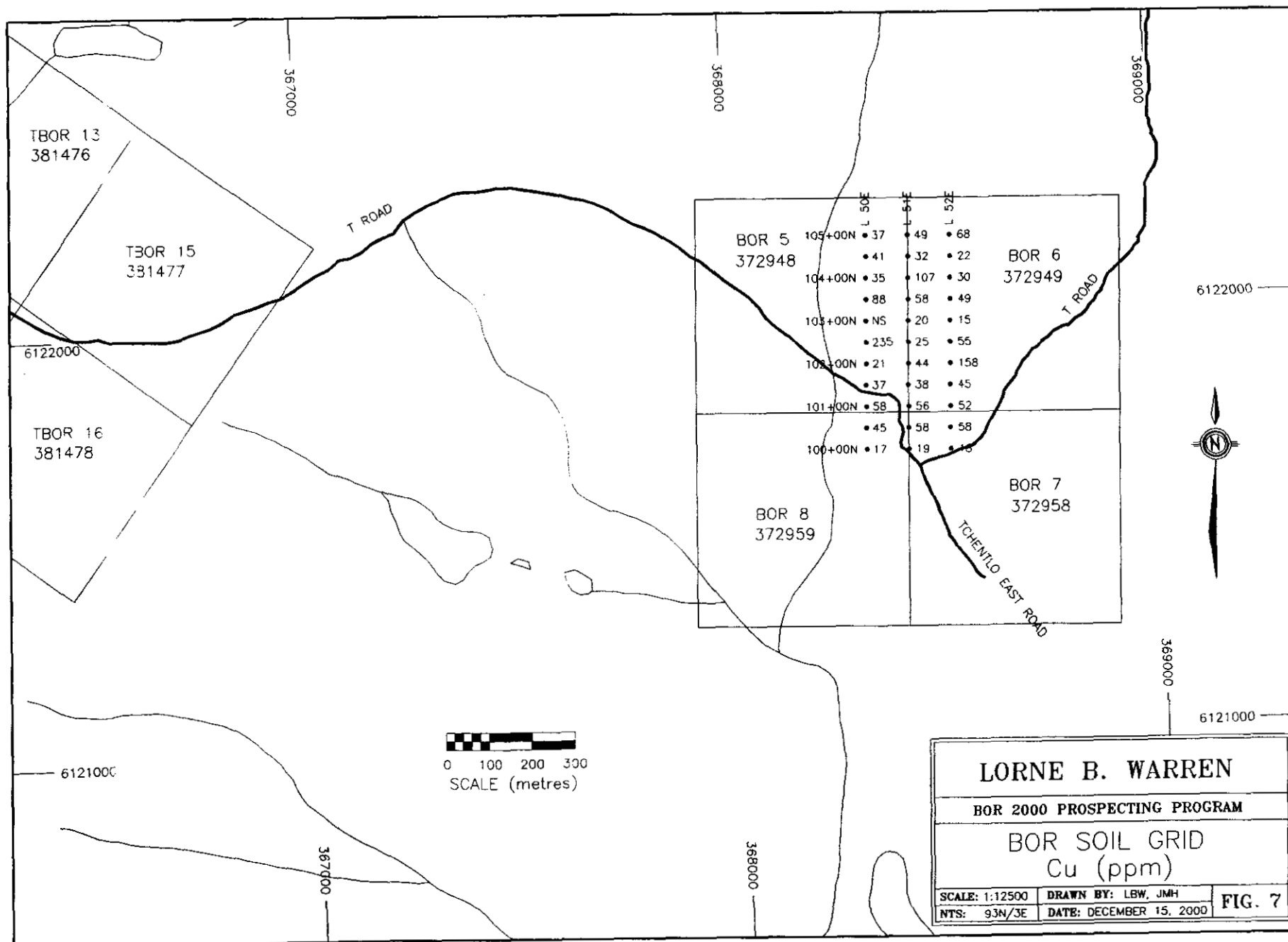
A well developed "B" horizon occurred at the majority of the soil sample sites. Overall results were poor for copper ranging from 17 ppm to a high of 235 ppm. Contouring of these results was not deemed possible because the highs occurred as isolated points on the grid. The soil results in the immediate area of the Bor pit were poor indicating poor mobilization of copper in the soil profile. No other contourable elements were indicated by the results obtained (see fig. 7).

### **Tbor recon soil lines:**

The soil lines were established one east and one west of the Tbor pit at 15.5 km on the T-road. The initial post for Tbor 9-10 was used as 100+00N – 98+00 E starting point. Line 98+00E ran 500 m north and 500 m south of the starting point, the other line was established 100 m east of the starting point also running 500 m north and 500 m south. 40 samples were taken at 50 m intervals along the lines from the "B" horizon averaging 20 cm in depth. Then placed in kraft bags and shipped to Assayers Canada Vancouver B.C. standard 32 multi-element analysis was performed.

### **Observations and Conclusions:**

Results for copper indicate no anomalous sites on this grid. Review of the 1970 N.B.C. Syndicate soil results indicated that the recon lines were placed between two of their significant soil anomalies (see fig. 4a). The alteration and mineralization observed in the Tbor pit was the reason for establishing these lines but results from the pits rock samples were also poor.



**LORNE B. WARREN**

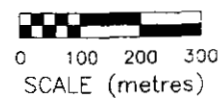
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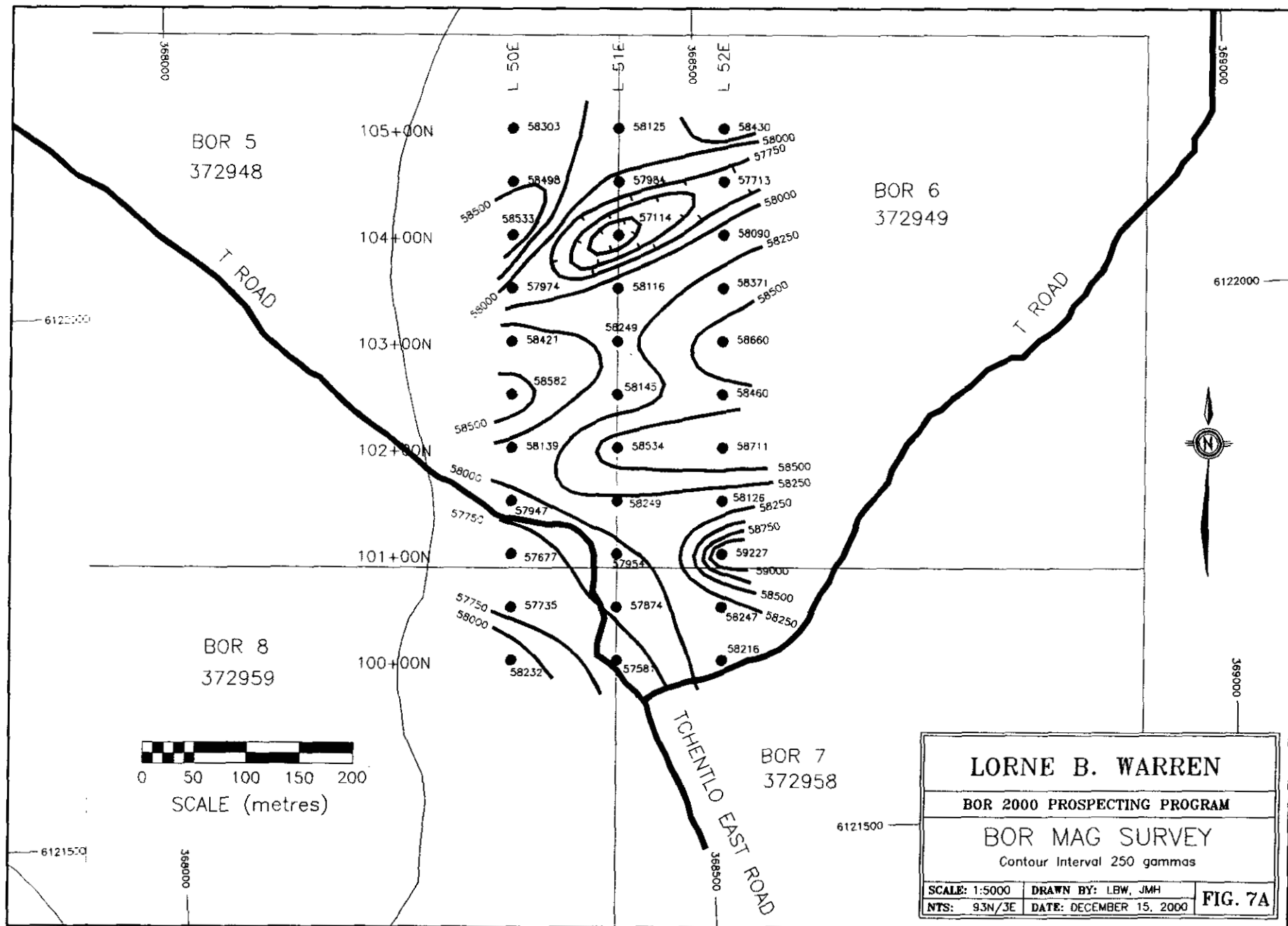
**BOR 2000 PROSPECTING PROGRAM**

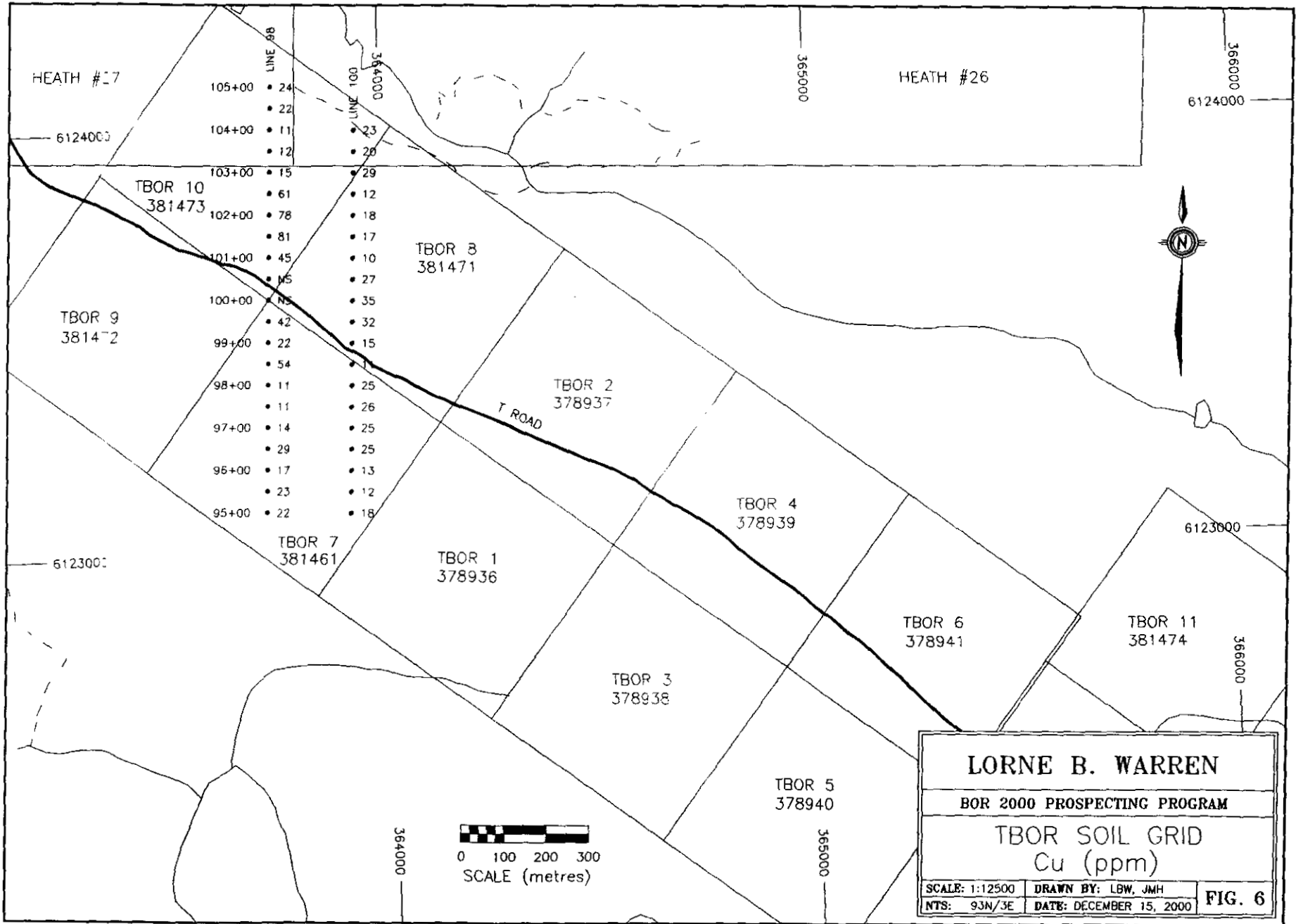
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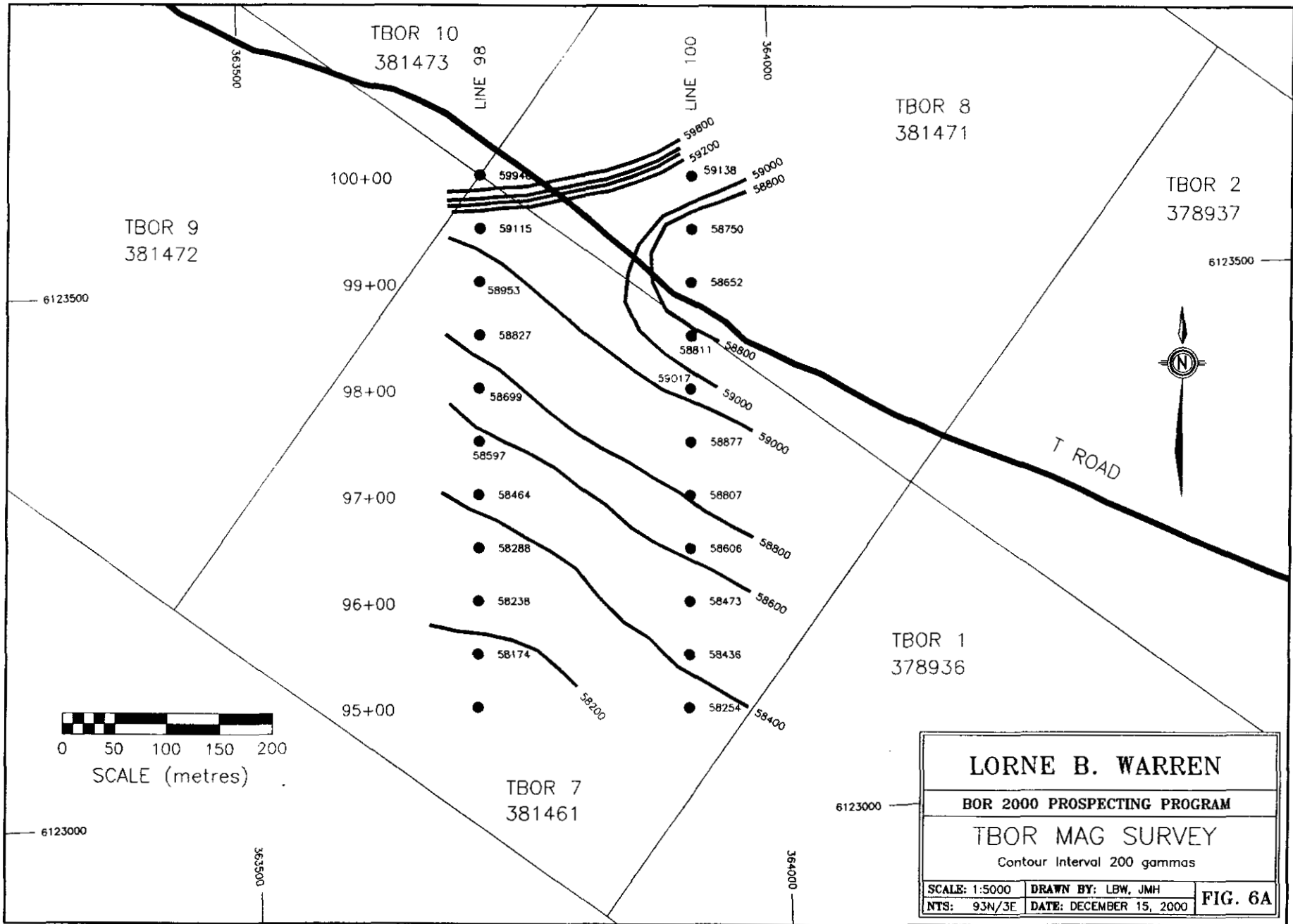
**BOR SOIL GRID**  
Cu (ppm)

SCALE: 1:12500	DRAWN BY: LBW, JMH	<b>FIG. 7</b>
NTS: 93N/3E	DATE: DECEMBER 15, 2000	









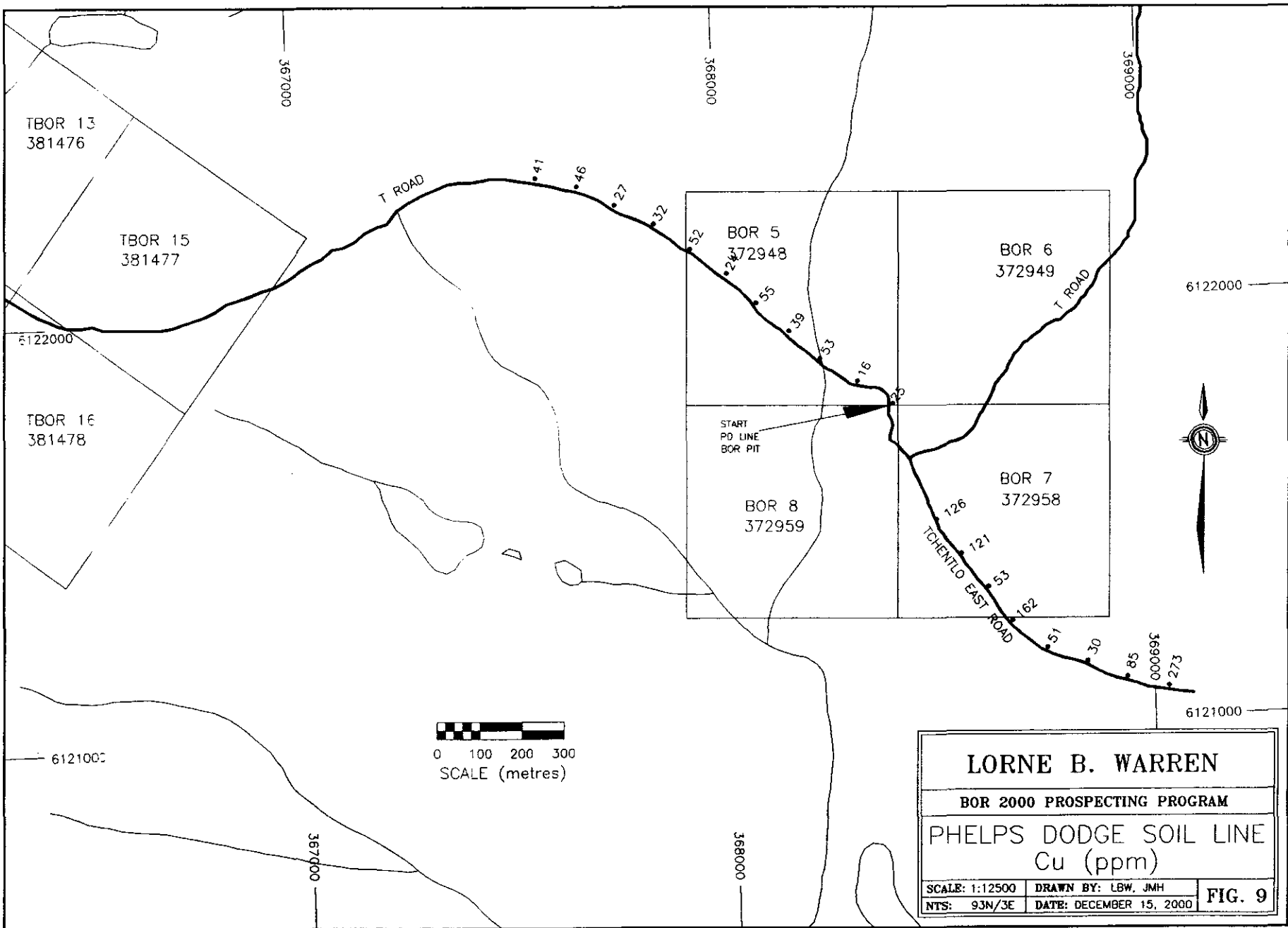


## **Bor Property Exams**

**Phelps Dodge Corp.** Steve Wetherup Geologist & 3 helpers examined the Bor pit and ran a one km recon soil line along the T-road 500 m east and west of the Bor Pit on Aug. 14/00

**Rio Algom Explorations Inc.** John McClintock Exploration Manager examined the Bor pit and sample ran 1.3% cu and 90 ppb gold took a random grab at 15.5 km ran 209ppm cu and no gold. Visited the property on Oct. 26/00

**B.C.D.M.** Bob Lane Geologist P.G. office visited on Oct. 23/00 examined the Mike showing, Bor Pit and the Tbor pit at 15.5 km on the T-road.



TBOR 13  
381476

TBOR 15  
381477

TBOR 16  
381478

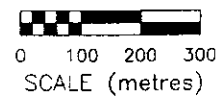
BOR 5  
372948

BOR 6  
372949

BOR 8  
372959

BOR 7  
372958

START  
PD LINE  
BOR PIT



<b>LORNE B. WARREN</b>		
BOR 2000 PROSPECTING PROGRAM		
PHELPS DODGE SOIL LINE Cu (ppm)		
SCALE: 1:12500	DRAWN BY: LBW, JMH	<b>FIG. 9</b>
NTS: 93N/3E	DATE: DECEMBER 15, 2000	

## Expenditures Bor 2000 Project

Name: Lorne B. Warren

Reference # 00/01-P53

### Wages, food and accommodation

Workers Name	# Days Worked	Wages	Food/Accom.
Lorne B. Warren	31	\$3100.00	\$1860.00
Chris I. Warren	21	\$2100.00	\$1260.00
Mike Middleton	8	\$ 800.00	\$ 480.00
SubTotal	60	\$6000.00	\$3620.00

**Total Wages, Food and Accom.      \$9620.00**

### Vehicle Costs

	Cost
Truck 2000km/\$0.38	\$760.00
Quad 4 days/\$100.00/day	\$400.00
Helicopter 6 hrs./\$800.00 all inclusive/hour	\$4800.00

**Total Vehicle Costs      \$1160.00**

### Analyses/Assay Costs

Second Party Assay Costs Phelps Dodge	\$225.40	<b><u>\$989.22</u></b>
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### Equipment Rentals-Supplies

Soil and Rock Bags		<b><u>\$ 317.00</u></b>
Recording Fees	17 2Post Claims	<b><u>\$ 170.00</u></b>
Report Cost		<b><u>\$ 400.00</u></b>
Technical Report		<b><u>\$ 400.00</u></b>
Digitizing Maps		<b><u>\$ 600.00</u></b>

**Total Expenses      \$17456.22**

**Expenditures Bor 2000 Project**  
**Assessment Purposes**

<b>Labour</b>		
L.B. Warren	31days@ \$350.00/day	\$10 850.00
C.I. Warren	21days@ \$260.00/day	\$ 5 460.00
Mike Middleton	8days@ \$260.00/day	\$ 2 080.00
Additional Helpers	9days@ \$150.00/day	<u>\$ 1 350.00</u>
	<b>Total Wages</b>	<b>\$19 740.00</b>
<b>Vehicle</b>		
4X4 Truck	30days@ \$75.00/day	\$ 2 250.00
Mileage	2400km @ \$0.25/km	\$ 600.00
Quad	8days @ 100/day	<u>\$ 800.00</u>
	<b>Total Vehicle</b>	<b>\$ 3 650.00</b>
Room And Board	69days @ \$60.00/day	\$ 4 140.00
Helicopter	8hrs @ \$800.00/hour all inclusive	\$ 6 400.00
Supplies	Sample bags, Flagging Ect.	\$ 550.00
Assay Costs		<u>\$ 1 214.62</u>
	<b>Total Expenses</b>	<b>\$35 694.62</b>

# **Lorne B. Warren**

## **Statement of Qualifications**

1963 – Geological Assistant – Mastodon Highland Bell - Gordon Hilchey – Geologist - Dome Mountain Area.

1964 – Geological Assistant – Phelps Dodge Corp. Stikine area.

1965 – Prospector/Geological Assistant Native Mines.

1966 – 1971 – Full time field tech / line cutter/ Prospector Manex Mining Ltd. –M.J. Beley – Manager

1971 –1979 – Granby Mining Corp. – Field Supervisor, Office manager, Supervised Drill programs- Logged drill core and percussion drill cuttings.

1979 – Present – President and Manager of CJL Ent. Ltd. , Kengold Mines Ltd. And Angel Jade Mines Ltd. – Placer mining/contract exploration work/Full time prospecting.

# **Chris Warren**

## **Statement of Qualifications**

1990 – Completed the Smithers Exploration Group's Bush Skills course. Worked at Duckling Creek as a Geological assistant.

1991 – Assisted in the instruction of the Smithers Exploration Bush Skills course. Worked in Johanson Lake as a line cutter.

1992 - Assisted in the instruction of the Smithers Exploration Bush Skills course. Misc. claim staking jobs/ field assistant.

1993 – Worked at a placer operation as a loader operator and did misc. claim staking jobs/prospecting assistant.

1994 – Worked in Manson Creek area doing placer testing, running magnetometer/computer work/claimstaking/Prospector's Assistant.

1995 – Present – Worked full time for CJL Enterprises Ltd. – Claim staker/line cutter/camp construction/pro prospector.

## **Mike Middleton**

### **Statement of Qualifications**

1990 – Completed the Smithers Exploration Bush skills course

1994-99 – Full time field assistant for CJL Ent. Ltd.

1999-2000- Worked for CJL Ent. Ltd, and as a independent prospector

## List Of References

- Armstrong J.E. (1949) Fort St. James Map-Area, Cassiar and Coast Districts, British Columbia, Geol. Surv. Canada. Mem. 252
- Campbell R.B. and Tipper H.W. (1970) Geology and mineral exploration potential of the Quesnel Trough, B.C. Vol. 63, No 699 pp 785-790
- Armstrong J.E. Geology and Mineral Occurrences of the Ft. St. James Area
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- Monger J.W.H.(1977b) Revises Stratigraphy of the Takla Group, North Central British Columbia, Canadian Journal of Earth Science Vol. 14, pp318-326.
- Paterson I.A. (1974) Geology of Cache Creek Group and Mesozonic Rocks at The North end of the Stuart Lake Belt, Central British Columbia, Geol. Surv. Canada Paper 74-1 Pt. A



## **Appendix #1**

## Bor Property

## Phelps Dodge Prop. Exam Results

Sample	Property	Type	Material	Colour	Topo	Remarks	Cu (ppm)	Ag (ppb)	Au (ppb)
77359	Bor	soil	colluvium	brown	flat	subcrop/talus boulders of diorite; soil line on n. side of road; 1000 m west	41.17	75	2.7
77360	Bor	soil	colluvium	brown	flat	diorite o/c, soil line from w. to e. 100m spacing, sample # 77369 is at rock pit	46.37	62	21.2
77361	Bor	soil	colluvium	brown	flat	diorite o/c; 800 m W	26.53	107	9
77362	Bor	soil	colluvium	brown	gully	near creek, w. bank; 700 m W	31.78	103	2.6
77363	Bor	soil	colluvium	brown-orange	hillside	600 m W	52.31	91	8.1
77364	Bor	soil	colluvium	brown	hillside	500 m W	23.69	100	3.3
77365	Bor	soil	colluvium	brown	hillside	diorite o/c; 400 m W	54.8	62	2.3
77366	Bor	soil	colluvium	brown	hillside	subcrop/talus boulders of diorite; 300 m W close to showing; 200 m W	39.11	204	2.4
77367	Bor	soil	colluvium	brown	hillside	rocky - diorite, close to showing; 100 m west	52.69	198	4
77368	Bor	soil	colluvium	brown	flat	at showing, line/road turns from ~ s. to ~ w.; 0 m west	15.85	133	6.8
77369	Bor	soil	colluvium	brown	flat	east	25.09	124	5.6
77370	Bor	soil	colluvium	brown	hillside	east	125.7	248	2.8
77371	Bor	soil	colluvium	brown	hillside	east	52.9	212	3.2
77372	Bor	soil	colluvium	brown	hillside	east	161.8	1198	5.1
77373	Bor	soil	colluvium	yellow-brown	hillside	few small pebbles; east	50.8	150	4
77374	Bor	soil	colluvium	yellow-brown	hillside	east	29.69	81	3.3
77375	Bor	soil	colluvium	yellow-brown	hillside	east	85.1	324	13.5
77376	Bor	soil	colluvium	brown	hillside	small rock fragments; 1000m east	273	451	4.3
<b>Rocks</b>									
75597							5925	3082	124
75598							249.8	145	3.6
75599							1480	674	7.5
76400							11253	7880	268.6



GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. File # A003008

1409 - 1409 Granville St. Vancouver BC V6T 1T2 Submitted by: Rob Cameron

Bor Property

SAMPLE	Major Elements																Trace Elements																				
	As	Ca	Fe	Pb	Zn	Al	Mn	Co	Mo	Ni	Sr	Cr	Se	Ag	Cd	Hg	Cu	P	Li	Ge	Mg	Ba	Sr	La	Y	Sc	Ti	S	Nb	Te	Bi	Ca	Pb	Sample			
71355	35	43.17	3.33	30.2	75	21.3	5.1	135	2.29	5.1	3	2.1	1.3	11.9	32	44	29	18	16	295	3.5	25.4	29	73.8	0.34	1.1	44	0.07	62	2	2.1	65	10	40	2.9	32	15
71356	33	46.37	6.41	29.5	62	26.6	8.2	171	2.69	6.5	3	2.1	1.4	14.5	11	42	19	15	13	113	1.6	47.4	39	98.2	0.43	2.1	45	0.07	63	2	2.5	64	10	40	2.9	32	15
71361	33	28.53	9.12	55.7	107	26.5	6.3	182	2.42	6.0	2	2.0	1.2	12.9	18	34	53	14	14	153	4.2	40.1	27	24.3	0.37	2.1	44	0.06	62	2	2.4	54	10	40	2.9	32	15
71362	31	31.78	5.83	73.9	103	28.4	10.2	265	2.45	6.4	3	2.8	1.2	15.3	22	42	34	12	24	151	5.2	43.0	57	111.4	0.48	1.1	45	0.11	64	2	2.2	55	10	40	2.9	32	15
71363	1.17	52.33	4.95	54.8	31	46.5	12.6	217	4.13	12.8	1	1.1	1.3	13.5	26	45	16	152	11	241	6.3	55.5	41	112.2	0.40	2.1	43	0.07	64	2	2.1	65	10	40	2.9	32	15
71364	3.17	21.49	1.34	51.1	106	16.4	5.8	202	2.12	6.9	2	3.1	1.8	20.6	24	49	68	135	11	432	1.0	24.2	14	141.4	0.46	1	42	0.07	62	2	1.4	54	10	40	2.9	32	15
71365	1.54	54.50	1.29	15.2	62	25.9	8.1	232	2.46	6.3	3	2.1	1.3	14.7	15	57	22	36	13	144	5.2	40.0	39	95.3	0.42	2.1	45	0.04	62	2	2.5	65	10	40	2.9	32	15
71366	1.26	36.11	1.15	52.6	74	24.3	1.3	224	2.95	6.5	2	2.4	1.4	16.5	12	68	42	35	15	149	5.3	42.3	21	105.2	0.42	2.1	43	0.06	64	2	2.2	55	10	40	2.9	32	15
71367	1.77	52.69	13.02	23.9	138	11.3	1.1	145	1.60	3.3	3	4.1	1.1	7.7	21	41	26	17	15	157	4.8	25.4	15	98.4	0.42	1.1	41	0.06	63	2	1.6	65	10	40	2.9	32	15
71368	36	15.85	6.61	41.3	123	13.3	5.1	164	2.42	7.5	2	6.2	1.3	11.2	16	30	16	43	12	152	4.6	29.7	19	16.6	0.35	1.1	44	0.07	63	2	1.5	64	10	40	2.9	32	15
71369	1.21	25.09	6.64	17.6	174	21.6	10.4	216	1.09	6.1	2	5.4	1.4	14.0	27	67	12	32	11	124	4.8	42.4	41	133.4	0.44	1.1	43	0.07	63	2	1.2	62	10	40	2.9	32	15
71370	1.22	16.16	5.24	40.2	143	27.2	4.3	181	2.12	6.9	1	2.5	1.4	23.7	13	57	24	12	32	149	11.3	35.3	42	144.3	0.38	1.1	44	0.04	63	2	1.4	56	10	40	2.9	32	15
71371	1.57	120.86	5.14	41.1	147	27.1	1.5	474	2.36	4.8	6	5.2	1.4	25.4	15	54	25	11	34	233	11.3	36.3	42	141.3	0.38	1.1	44	0.06	63	2	1.4	56	10	40	2.9	32	15
71372	1.14	12.99	4.76	41.4	212	16.3	12.5	568	2.31	3.1	5	1.2	1.2	3.3	21	46	17	17	22	164	4.3	31.5	45	141.3	0.42	1.1	43	0.06	64	2	1.5	56	10	40	2.9	32	15
71373	1.31	161.63	14.12	71.4	518	66.4	12.6	672	3.35	7.6	4.1	5.1	2.3	45.4	41	96	22	102	62	437	10.3	60.3	57	248.1	0.45	1.2	43	0.11	67	2	1.5	56	10	40	2.9	32	15
71374	33	50.58	6.11	33.0	104	29.4	6.5	237	2.04	4.2	1.6	4.0	1.1	12.1	21	44	68	11	30	150	1.4	29.4	31	137.1	0.36	1	45	0.04	62	2	1.9	53	10	40	2.9	32	15
71375	1.40	75.85	5.31	34.3	81	22.5	4.2	232	1.84	4.4	1	3.3	1.1	13.4	29	56	69	14	23	143	1.2	24.5	42	146.1	0.36	1.1	41	0.04	62	2	1.2	53	10	40	2.9	32	15
71376	1.35	41.31	1.76	36.1	121	29.1	13.0	588	2.52	8.1	5	13.5	1.8	26.2	22	41	19	45	35	128	1.4	21.6	31	143.3	0.34	1.1	43	0.06	62	2	1.5	54	10	40	2.9	32	15
71377	1.25	17.14	12.48	56.3	451	30.1	14.2	1229	3.54	9.1	1.1	4.3	1.1	14.4	16	48	132	122	106	13.5	4.4	63	124.0	0.37	2.1	43	0.11	63	2	1.4	54	10	40	2.9	32	15	

7002  
Soils

WEST  
Flood  
Shallow  
East

REGD 1815 - 15.00 CM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG C PER ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/MS.  
 UPPER LIMITS - AG, AU, BG, W, SE, TE, TL, CR, SM = 100 PPM; MO, CO, ID, SB, BI, TH, U = 2,000 PPM; CU, PB, ZN, NI, HR, AS, V, LA, CR = 10,000 PPM.  
 SAMPLE TYPE: SOIL S520 600 Samples beginning 'REF' are Refusals and 'REJ' are Reject Results.

DATE RECEIVED: Aug 14 2000 DATE REPORT MAILED: Aug 25/00 SIGNED BY: [Signature] D. TOYE, CHEONG, J. WANG; CERTIFIED S.C. ASSAYERS

11 02 00 10 11 58 FAX 651 3926

\*\* TOTAL PAGE 004 \*\*

Sample	K (%)	W (ppm)	Li (ppm)	Na (ppm)	Cl (ppm)	Hg (ppb)	Se (ppm)	Te (ppm)	Ga (ppm)	Sample (gm)	Bor
<b>Soils</b>											
76838											
77359	0.02	0.2	2.1	0.04	0.01	80	0.2	0.02	4.5	15	
77360	0.03	0.2	2.5	0.04	< .01	89	0.2	0.02	4.1	15	
77361	0.02	0.2	2	0.04	< .01	59	0.2	< .02	4.2	15	
77362	0.04	< .2	2.2	0.03	0.01	58	0.2	< .02	3.8	15	
77363	0.04	0.2	3.2	0.05	0.01	56	0.2	0.02	5.9	15	
77364	0.03	< .2	1.6	0.04	0.01	22	0.1	0.02	4.2	15	
77365	0.03	0.2	2.5	0.05	< .01	62	0.2	0.13	5.8	15	
77366	0.04	0.2	2.7	0.05	0.01	77	0.2	0.06	5.6	15	
77367	0.03	0.2	1.6	0.03	< .01	36	0.2	0.03	5.1	15	
77368	0.03	0.2	1.5	0.03	< .01	24	0.1	0.02	4.6	15	
77369	0.03	0.2	2.2	0.03	< .01	50	0.1	0.12	4.3	15	
77370	0.03	< .2	2	0.06	< .01	70	0.2	0.05	3.2	15	
77371	0.04	< .2	2.5	0.05	< .01	65	0.2	0.03	4	15	
77372	0.07	0.2	2.5	0.08	< .01	149	0.5	0.03	6.6	15	
77373	0.03	0.2	2.9	0.03	< .01	74	0.2	0.02	2.7	15	
77374	0.02	< .2	1.8	0.03	< .01	39	< .1	0.02	3	15	
77375	0.02	< .2	2.9	0.04	0.02	120	0.3	0.02	4.5	15	
77376	0.05	0.3	5.8	0.08	0.05	93	0.4	0.03	3.2	15	
<b>Rocks</b>											
75597	0.17	1.2	3.6	0.07	1.13	17	1.4	0.54	7.5		
75598	0.41	0.5	0.3	0.09	0.31	< .5	0.4	0.09	1.3		
75599	0.15	1.4	4.6	0.05	1.55	10	1	0.17	7.9		
76400	0.55	2.2	6.7	0.18	2.57	13	4.5	1.27	8.8		

Phelps Dodge Assay Results Aug 2000

Sample	Co (ppm)	Mn (ppm)	Fe (%)	As (ppm)	U (ppm)	Au (ppb)	Pb (ppm)	Sr (ppm)	Cd (ppm)	Sb (ppm)	Bi (ppb)	V (ppm)	Ca (%)	P (%)	La (ppm)	Cr (ppm)	Mg (%)	Is (ppm)	Ti (%)	B (ppm)	Al (%)	Na (%)
<b>Soils</b>																						
76838																						
77350																						
77360	5.1	149	2.29	5.8	0.3	2.7	1.3	11.9	0.12	0.66	0.09	78	0.1	0.095	3.9			6	0.032	1	1.48	0.007
77361	8.2	177	2.69	6.5	0.3	21.2	1.4	14.5	0.11	0.65	0.09	85	0.13	0.117	4.6	47.4	0.29	26.2	0.043	2	1.69	0.007
77362	6.9	182	2.62	6	0.2	9	1.2	13.9	0.14	0.58	0.09	84	0.14	0.157	4.2	40.7	0.27	84	0.037	2	1.46	0.006
77363	10.3	266	2.65	6.1	0.3	2.6	1.2	19.5	0.22	0.62	0.06	82	0.24	0.091	5.2	47	0.52	111.4	0.048	1	1.35	0.007
77364	13.8	217	4.03	12.8	0.3	8.1	1.4	16.6	0.28	0.85	0.1	132	0.17	0.241	4.7	53.5	0.41	172.2	0.038	2	1.92	0.007
77365	5.8	202	2.72	6	0.2	3.3	0.6	20.6	0.24	0.69	0.08	119	0.17	0.033	4	34.2	0.14	141.8	0.046	1	0.73	0.007
77366	6.6	213	2.66	6.3	0.3	2.3	1.3	14.7	0.11	0.57	0.22	90	0.13	0.144	5.2	40.8	0.32	93.5	0.042	1	1.65	0.008
77367	7.9	224	2.99	6.6	0.3	2.4	1.4	16.5	0.18	0.8	0.47	99	0.16	0.149	5.3	43.6	0.35	105.2	0.042	1	1.53	0.006
77368	4.7	149	2.6	3.9	0.3	4	0.9	18.2	0.11	0.47	0.26	92	0.15	0.037	4.6	29.4	0.15	98.4	0.04	1	1.11	0.006
77369	5	164	2.22	3.5	0.2	6.8	1	14.2	0.1	0.38	0.16	87	0.12	0.097	4.6	29.2	0.19	70.6	0.045	1	1.04	0.005
77370	10.1	218	3.09	6.7	0.2	5.6	1	18	0.23	0.63	0.1	102	0.21	0.124	4.8	43.4	0.43	127.9	0.044	1	1.5	0.007
77371	8	487	2.12	4.8	0.7	2.8	1	23.2	0.13	0.52	0.24	71	0.32	0.033	11	38.3	0.42	144.9	0.038	1	1.14	0.008
77372	12.5	568	2.33	4.9	0.3	3.2	0.7	30.3	0.2	0.49	0.12	77	0.37	0.054	6.8	37.5	0.48	161.9	0.04	1	1.27	0.008
77373	12.8	672	3.75	7.8	4.1	5.1	2	46.4	0.81	0.9	0.22	100	0.6	0.037	12.1	55.9	0.52	368.6	0.04	1	2.22	0.011
77374	6.5	237	2.06	4.8	1.4	1	1	23.7	0.21	0.46	0.08	71	0.3	0.047	7.7	39.4	0.51	137.1	0.05	1	0.95	0.009
77375	6.3	217	1.84	4	0.3	3.3	0.7	19.4	0.2	0.39	0.08	64	0.23	0.041	5.1	33.5	0.42	160.1	0.035	1	1.01	0.008
77376	11	618	2.53	4.5	0.9	13.5	0.5	29.2	0.22	0.49	0.14	85	0.36	0.039	11.4	37.8	0.31	342.6	0.026	<1	1.5	0.008
77376	14.1	1129	3.54	8.1	7.1	4.3	1.5	78.9	0.31	0.86	1.02	121	1.07	0.088	13.1	40.8	0.62	658	0.022	2	2.46	0.01
<b>Rocks</b>																						
75597	14.6	1158	4.39	1.7	0.3	124	0.7	109.5	0.17	0.49	0.93	154	1.34	0.149	3.7	8.5	1.75	62.6	0.061	1	1.65	0.025
75598	41.9	3627	3.8	2.3	0.3	3.6	0.4	82.9	0.06	0.14	0.74	39	4.74	0.225	3.2	5.2	1	63.1	0.002	5	0.54	0.016
75599	19.6	819	4.5	1.7	0.4	7.5	0.5	34.6	0.11	0.25	0.18	146	0.79	0.21	2.3	7.3	1.69	69.9	0.164	1	1.84	0.047
76400	56.3	689	6.29	1	0.5	268.6	0.4	32.1	1.1	0.2	0.61	188	0.61	0.179	1.7	11.4	1.74	55.7	0.207	<1	1.87	0.043

Phelps Dodge Assay Results Aug. 2000

**CJL Enterprises**

Attention: Lorne Warren

Project: TBOR

Sample: Rock

**Assayers Canada**

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V0505 RJ

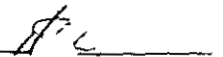
Date : Nov-28-00

**MULTI-ELEMENT ICP ANALYSIS**

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
BOR-001	<0.2	2.67	25	40	<0.5	<5	2.09	<1	26	40	59	4.76	0.03	2.47	780	<2	0.04	16	570	6	<5	8	<10	31	0.28	132	<10	6	59	16
BOR-003	<0.2	1.40	<5	30	<0.5	<5	0.83	1	37	31	427	9.47	0.04	1.55	315	<2	0.05	38	90	14	<5	7	<10	38	0.21	620	<10	1	38	8
TBOR-5	0.2	1.12	5	90	1.0	<5	5.50	1	16	9	124	4.89	0.35	0.63	3915	<2	0.02	6	1890	122	5	9	<10	138	0.01	69	<10	15	135	5
TBOR-6	<0.2	1.46	<5	170	<0.5	<5	1.62	<1	20	25	97	5.52	0.11	1.40	790	<2	0.08	9	2280	8	<5	4	<10	76	0.19	249	<10	7	46	5
TBOR-7	<0.2	1.44	<5	70	<0.5	<5	3.02	<1	29	20	421	5.65	0.15	1.42	2055	<2	0.04	9	2010	12	<5	12	<10	72	0.04	172	<10	11	108	5
TBOR-8	9.8	0.56	1615	10	<0.5	15	1.44	<1	15	80	25	>15.00	0.18	0.14	2510	<2	0.01	10	1130	296	15	3	<10	35	0.01	36	<10	4	138	14
TBOR-9	56.8	0.43	1175	10	<0.5	10	0.29	<1	36	114	513	13.98	0.22	0.25	7195	<2	0.01	11	1110	1962	30	3	<10	12	<0.01	23	<10	3	638	13
TBOR-10	7.0	0.76	125	70	0.5	<5	0.87	14	18	40	40	8.40	0.39	0.72	>10000	<2	0.01	9	2160	1328	5	10	<10	28	<0.01	62	<10	11	1403	8
TBOR-11	3.8	0.26	1080	20	<0.5	10	1.17	<1	6	151	14	12.99	0.12	0.64	>10000	<2	0.01	8	640	138	10	1	<10	22	<0.01	20	<10	1	144	10
TBOR-12	<0.2	1.22	<5	140	<0.5	<5	2.30	1	23	126	211	8.81	0.32	1.61	965	<2	0.05	20	1830	14	5	10	<10	60	0.15	457	<10	9	46	9
TBOR-13	<0.2	0.33	<5	230	<0.5	<5	0.19	<1	3	70	4	1.77	0.30	0.03	1345	2	0.03	3	630	4	<5	1	<10	6	<0.01	4	<10	4	33	22
TBOR-14	<0.2	1.53	<5	210	<0.5	<5	1.76	1	23	29	7	6.70	0.49	1.57	875	<2	0.06	11	3690	12	<5	5	<10	42	0.19	289	<10	9	82	7
TBOR-15	8.2	1.54	<5	60	<0.5	<5	0.81	<1	31	31	>10000	4.71	0.11	1.47	465	<2	0.07	9	2320	40	<5	3	<10	51	0.03	28	<10	4	76	3
TBOR-16	<0.2	0.39	<5	30	<0.5	<5	0.24	1	104	441	105	12.09	0.04	12.46	1105	<2	0.01	442	210	22	10	5	<10	7	0.05	270	<10	1	50	9
TBOR-17	<0.2	1.18	<5	60	<0.5	<5	1.29	1	33	226	35	9.02	0.10	1.59	565	8	0.07	54	1580	16	5	5	<10	51	0.10	471	<10	3	84	8
TBOR-20	0.6	1.72	<5	50	<0.5	<5	0.77	<1	110	83	1539	10.50	0.77	1.34	580	8	0.10	19	1490	16	5	5	<10	43	0.22	144	<10	5	59	8
TBOR-21	0.4	1.15	<5	50	<0.5	<5	0.62	<1	39	77	316	11.47	0.16	0.99	445	20	0.05	26	1470	18	5	4	<10	54	0.19	111	<10	4	49	9
TBOR-22	<0.2	1.77	<5	90	<0.5	<5	0.66	<1	61	66	195	8.22	0.32	1.60	710	10	0.05	15	1640	12	<5	6	<10	40	0.20	153	<10	5	72	6

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.



**CJL Enterprises**  
 Attention: Lorne Warren  
 Project: TBOR  
 Sample: Soil

**Assayers Canada**  
 8282 Sherbrooke St., Vancouver, B.C., V5X 4R6  
 Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V0505 SJ  
 Date : Nov-28-00

**MULTI-ELEMENT ICP ANALYSIS**  
 Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L52E 100+50N	<0.2	1.41	5	140	<0.5	<5	0.32	<1	10	57	58	3.50	0.05	0.59	405	<2	0.01	45	900	10	<5	4	<10	29	0.07	97	<10	4	55	3
L52E 101+00N	<0.2	1.57	5	110	<0.5	<5	0.25	<1	10	53	52	3.43	0.04	0.54	205	2	0.01	40	1360	10	<5	3	<10	22	0.07	87	<10	3	76	5
L52E 101+50N	<0.2	2.43	10	260	<0.5	<5	0.33	<1	11	76	45	5.57	0.06	0.63	240	<2	0.01	55	2140	14	<5	4	<10	31	0.06	133	<10	3	141	4
L52E 102+00N	<0.2	2.40	10	320	0.5	<5	0.90	<1	11	69	158	4.45	0.07	0.65	780	6	0.01	60	920	12	<5	8	<10	86	0.04	101	<10	15	87	4
L52E 102+50N	<0.2	1.86	5	120	<0.5	<5	0.19	<1	10	49	55	3.68	0.03	0.41	195	<2	0.01	32	880	10	<5	3	<10	24	0.06	98	<10	3	53	3
L52E 103+00N	<0.2	1.18	5	80	<0.5	<5	0.16	<1	5	46	15	3.67	0.03	0.23	150	<2	0.01	21	780	10	<5	2	<10	19	0.07	116	<10	1	36	3
L52E 103+50N	<0.2	1.68	5	180	<0.5	<5	0.38	<1	8	49	49	2.86	0.05	0.71	330	4	0.01	41	410	8	<5	4	<10	35	0.08	74	<10	3	64	2
L52E 104+00N	<0.2	1.77	10	110	<0.5	<5	0.22	<1	8	55	30	4.53	0.04	0.45	230	<2	0.01	32	2180	12	<5	3	<10	23	0.07	123	<10	2	86	4
L52E 104+50N	<0.2	1.48	5	120	<0.5	<5	0.21	<1	6	42	22	3.73	0.05	0.36	190	<2	0.01	19	1910	12	<5	3	<10	24	0.08	109	<10	2	43	3
L52E 105+00N	<0.2	2.60	<5	150	<0.5	<5	0.17	<1	10	53	68	3.60	0.05	0.50	290	<2	0.01	40	760	10	<5	3	<10	23	0.07	91	<10	2	92	4

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: \_\_\_\_\_

Assa's Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V0505 SJ

Date : Nov-28-00

CJL Enterprises

Attention: Lorne Warren

Project: TBOR

Sample: Soil

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L100E 100+50N	<0.2	1.07	5	140	<0.5	<5	0.35	<1	11	79	27	2.61	0.05	0.66	320	<2	0.01	71	690	4	<5	4	<10	22	0.07	54	<10	5	49	2
L100E 101+00N	<0.2	0.78	<5	100	<0.5	<5	0.20	<1	5	46	10	2.53	0.04	0.19	220	<2	0.01	18	580	6	<5	2	<10	15	0.06	73	<10	2	49	2
L100E 101+50N	<0.2	1.42	5	120	<0.5	<5	0.25	<1	8	73	17	3.09	0.03	0.58	190	<2	0.01	55	1210	6	<5	3	<10	19	0.06	64	<10	3	68	3
L100E 102+00N	<0.2	1.22	5	170	<0.5	<5	0.28	<1	11	94	18	4.46	0.07	0.50	360	<2	0.01	55	1250	12	<5	3	<10	22	0.08	118	<10	2	83	3
L100E 102+50N	<0.2	0.98	5	90	<0.5	<5	0.23	<1	6	53	12	2.28	0.03	0.49	170	<2	0.01	30	640	2	<5	2	<10	18	0.07	55	<10	3	45	2
L100E 103+00N	<0.2	1.38	5	150	<0.5	<5	0.28	<1	9	67	29	3.17	0.05	0.56	425	<2	0.01	54	530	6	<5	3	<10	24	0.05	73	<10	3	76	2
L100E 103+50N	<0.2	0.77	5	100	<0.5	<5	0.33	<1	8	55	20	2.32	0.03	0.59	310	<2	0.01	40	830	4	<5	2	<10	25	0.06	55	<10	4	35	2
L100E 104+00N	<0.2	0.74	5	130	<0.5	<5	0.45	<1	6	49	23	2.26	0.04	0.46	255	<2	0.01	30	780	4	<5	2	<10	29	0.05	63	<10	5	37	2
L50E 100+00N	<0.2	1.19	5	130	<0.5	<5	0.35	<1	8	45	17	3.64	0.11	0.48	400	<2	0.01	23	2330	12	<5	2	<10	30	0.07	107	<10	2	90	3
L50E 100+50N	<0.2	1.08	<5	110	<0.5	<5	0.28	<1	7	37	45	2.35	0.03	0.38	205	<2	0.01	21	310	6	<5	3	<10	28	0.06	68	<10	4	49	2
L50E 101+00N	<0.2	1.07	<5	120	<0.5	<5	0.25	<1	6	38	58	2.36	0.04	0.31	225	2	0.01	18	270	6	<5	2	<10	26	0.07	70	<10	4	39	2
L50E 101+50N	<0.2	1.43	5	150	<0.5	<5	0.32	<1	8	48	37	3.31	0.06	0.46	195	<2	0.01	33	1080	10	<5	3	<10	29	0.06	87	<10	2	81	2
L50E 102+00N	<0.2	1.26	5	130	<0.5	<5	0.25	<1	8	31	21	4.85	0.04	0.30	205	6	0.01	13	240	16	<5	2	<10	32	0.12	192	<10	2	42	4
L50E 102+50N	0.4	4.55	5	150	1.0	5	0.16	<1	17	32	235	6.27	0.05	0.43	415	6	0.01	21	3880	36	<5	4	<10	16	0.05	163	<10	3	124	15
L50E 103+50N	<0.2	2.97	5	270	<0.5	<5	0.21	<1	12	39	88	5.89	0.06	0.63	735	2	0.01	30	3920	14	<5	4	<10	22	0.07	135	<10	2	110	9
L50E 104+00N	<0.2	1.36	<5	150	<0.5	<5	0.29	<1	8	29	35	2.74	0.04	0.45	225	<2	0.01	18	580	8	<5	2	<10	29	0.07	81	<10	2	56	2
L50E 104+50N	<0.2	2.08	10	150	<0.5	<5	0.23	<1	9	52	41	5.61	0.05	0.50	265	<2	0.01	29	3280	16	<5	3	<10	21	0.07	131	<10	2	87	4
L50E 105+00N	<0.2	1.43	<5	200	<0.5	<5	0.32	<1	11	40	37	3.49	0.05	0.50	630	<2	0.01	23	440	10	<5	3	<10	36	0.06	100	<10	4	90	2
L51E 100+00N	<0.2	1.43	5	100	<0.5	<5	0.25	<1	7	48	19	3.88	0.05	0.39	195	2	0.01	27	1010	8	<5	2	<10	25	0.07	100	<10	2	65	3
L51E 100+50N	<0.2	2.30	5	100	<0.5	<5	0.20	<1	9	53	58	4.15	0.04	0.43	200	2	0.01	35	1680	10	<5	3	<10	23	0.06	101	<10	2	76	5
L51E 101+00N	<0.2	1.82	5	160	<0.5	<5	0.20	<1	8	46	56	3.58	0.05	0.44	335	2	0.01	37	1000	12	<5	3	<10	24	0.07	95	<10	2	77	3
L51E 101+50N	<0.2	1.45	5	100	<0.5	<5	0.29	<1	9	52	38	3.52	0.04	0.40	180	<2	0.01	33	550	10	<5	3	<10	25	0.08	97	<10	2	52	3
L51E 102+00N	<0.2	1.50	5	120	<0.5	<5	0.22	<1	11	52	44	3.60	0.04	0.52	440	2	0.01	40	1050	12	<5	3	<10	23	0.08	94	<10	2	55	4
L51E 102+50N	<0.2	1.67	10	90	<0.5	<5	0.18	<1	8	60	25	4.98	0.04	0.43	190	2	0.01	29	1390	14	<5	3	<10	22	0.08	124	<10	2	94	4
L51E 103+00N	<0.2	1.23	5	130	<0.5	<5	0.24	<1	5	40	20	3.02	0.04	0.33	145	2	0.01	18	510	10	<5	2	<10	26	0.08	96	<10	2	61	2
L51E 103+50N	<0.2	2.35	5	180	<0.5	<5	0.31	<1	11	30	58	5.51	0.04	0.50	280	<2	0.01	20	950	12	<5	4	<10	36	0.10	164	<10	3	69	4
L51E 104+00N	<0.2	1.50	5	180	<0.5	<5	0.38	<1	9	47	107	2.83	0.04	0.66	305	2	0.01	35	400	8	<5	5	<10	36	0.08	84	<10	8	64	2
L51E 104+50N	<0.2	1.44	<5	160	<0.5	<5	0.31	<1	6	39	32	2.61	0.06	0.48	185	<2	0.01	27	1540	8	<5	3	<10	27	0.07	67	<10	3	89	2
L51E 105+00N	<0.2	2.28	5	180	<0.5	<5	0.23	<1	10	54	49	4.38	0.05	0.56	295	<2	0.01	39	2530	10	<5	4	<10	20	0.06	106	<10	3	117	4
L52E 100+00N	<0.2	1.00	<5	110	<0.5	<5	0.18	<1	7	34	18	3.43	0.03	0.18	355	<2	0.01	14	870	14	<5	2	<10	22	0.06	108	<10	1	45	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: \_\_\_\_\_





*Quality Assaying for over 25 Years*

Assay Certificate

9V-0436-RA1

Company: **CJL Enterprises Ltd**  
Project: **BOR**  
Attn: **L. B. Warren**

Nov-17-99

We hereby certify the following assay of 4 rock samples submitted Nov-05-99 by L. B. Warren.

Sample Name	Au g/tonne	Au g/tonne	Ag g/tonne	Cu %	
BOR 1 #5513 A	0.03		5.4	0.629	<i>Grade - Mafic Int. Diss. C</i>
BOR 2 #5514 A	0.01		2.1	0.387	
BOR 3 #5515 A	0.33	0.31	15.2	3.130	
BOR 4 #5516 A	0.01		1.8	0.031	
*DUP BOR 1 #5513 A			5.2	0.630	<i>Grade - Qz Carb Altd Int.</i> <i>Mafic Int. Highgrade.</i> <i>Graba cross 15 ft.</i>
*MP-1a			14.0	0.287	
*97-3	1.36				
*Blank	0.01		<0.1	<0.001	

*Lab. Check Samples.*

Certified by \_\_\_\_\_



TSL Assayers Vancouver  
8282 Sherbrooke St.  
Vancouver, B.C.  
V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

TSL Assayers Saskatoon  
#2 - 302 East 48th Street  
Saskatoon, Saskatchewan  
S7K 6A4

Tel: (306) 931-1033 Fax: (306) 242-4717

TSL Assayers Swastika  
1 Cameron Ave.  
Swastika, Ontario  
P0K 1T0

Tel: (705) 642-3244 Fax: (705) 642-3300

**CJL Enterprises Ltd**

Attention: L. B. Warren

Project: BOR

Sample: rock

**TSL Assays Vancouver**

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 9V0436 RJ


Date : Nov-17-99

**MULTI-ELEMENT ICP ANALYSIS**

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
BOR 1 #5513 A	3.6	2.36	<5	90	<0.5	<5	1.05	<1	130	100	6292	7.59	0.78	1.85	785	52	0.08	20	2360	14	<5	9	<10	41	0.29	195	<10	7	128	6
BOR 2 #5514 A	1.0	0.89	<5	90	0.5	<5	7.14	<1	15	24	3776	9.23	0.41	1.86	5275	<2	0.02	12	1690	16	5	15	<10	117	<0.01	55	<10	8	8	6
BOR 3 #5515 A	14.8	2.60	<5	10	<0.5	<5	0.52	1	319	46	>10000	>15.00	0.38	1.99	850	<2	0.02	61	2780	54	5	12	<10	12	0.23	213	<10	5	149	15
BOR 4 #5516 A	8.2	1.98	<5	150	<0.5	<5	1.46	<1	17	74	288	5.48	0.40	1.73	885	8	0.10	12	2270	6	<5	8	<10	64	0.24	177	<10	8	71	5

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.





TSL Assayers Vancouver  
8282 Sherbrooke St.  
Vancouver, B.C.  
V5X 4R6  
Tel: (604) 327-3436  
Fax: (604) 327-3423

*Quality Assaying for over 25 Years*

**Assay Certificate**

**9V-0436-RA1**

Company: **CJL Enterprises Ltd**  
Project: **BOR**  
Attn: **L. B. Warren**

**Nov-17-99**

We hereby certify the following assay of 4 rock samples submitted Nov-05-99 by L. B. Warren.

Sample Name	Au g/tonne	Au g/tonne	Ag g/tonne	Cu %
BOR 1 #5513 A	0.03		5.4	0.629
BOR 2 #5514 A	0.01		2.1	0.387
BOR 3 #5515 A	0.33	0.31	15.2	3.130
BOR 4 #5516 A	0.01		1.8	0.031
*DUP BOR 1 #5513 A			5.2	0.630
*MP-1a			14.0	0.287
*97-3	1.36			
*Blank	0.01		<0.1	<0.001

Certified by \_\_\_\_\_

TSL Assayers Vancouver  
8282 Sherbrooke St.  
Vancouver, B.C.  
V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

TSL Assayers Saskatoon  
#2 - 302 East 48th Street  
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TSL Assayers Swastika  
1 Cameron Ave.  
Swastika, Ontario  
POK 1T0

Tel: (705) 642-3244 Fax: (705) 642-3300

## **Appendix #2**



Assayers Canada  
8282 Sherbrooke St.  
Vancouver, B.C.  
V5X 4R6

Tel: (604) 327-3436  
Fax: (604) 327-3423

## INVOICE

To: **CJL Enterprises**  
Box 662  
Smithers, BC  
Canada, VOJ 2N0

Attention: Lorne Warren

Invoice No. **41094**  
Invoice Date: **28-Nov-00**  
Account Number: **0096**  
File: **0V0505**

Project: TBOR

Item	Qty.	Description	Unit Price	Amount
1	70	Sample Prep:Soil	1.80	126.00
2	18	Sample Prep:Rock	5.25	94.50
3	88	ICP:Aqua Regia Leach	8.00	704.00

Notes:

Sub-Total: 924.50  
GST: (R100294743) 64.72  
Total: **\$989.22**