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## BORNITE PROPERTY

### Prospecting Report

MINERAL TITLES BRANCH  
Rec'd.  
SEP 22 2006  
L.I.# \_\_\_\_\_  
File VANCOUVER, B.C.

Prepared by: James Dixon

September 7, 2006

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

28,539

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### **Location and Access**

The Bornite claims are located 20 km. northeast of Houston, British Columbia. The claim area is centred at 54° 30' N latitude and 126° 26' W longitude. The centre of the claims is located 2 km. due south of Highway 16. See Figure No. 1

Access is obtained by travelling south on Sunset Lake Road from its junction with Highway 16 at Topley BC. Gilmour Lake Forest Service Road is then used to travel east to the mineral exploration road that leads to the Bornite claims.

### **Property History**

The Bornite claims were originally staked in the 1920's by Eric Strimbold of Topley. The author's maternal great-grandfather E.G. Bellecini visited the property and noted the bornite rich ore being hand mined by Mr. Strimbold. More recent work, including five diamond drill holes, has revealed mineralization over a larger area. See Figure No. 2

## **Geology**

The Bornite claims are located on a gently sloping rise, forest cover is present and overburden is not excessive with numerous outcroppings of rock. See Figure No. 2. The elevation varies moderately in areas thus revealing mineralization at surface.

The claims are underlain by Jurassic Hazelton Group volcanics composed of of andesitic to rhyolitic flows, tuffs, and breccia. Mineralization includes chalcopryrite, bornite, tetrahedrite, and sphalerite. Barite occurs widely on the property.

## **Purpose**

The objective of prospecting the area is to locate commercial quantities of base and precious metal minerals. Rock and soil assays are utilized to define the zone of interest.

## **Procedure**

Prospecting work concentrated on defining an area bordered by higher grade mineralization. Vegetation is thick in some areas and numerous traverses were conducted over two seasons in order to locate one of the original high-grade pits as well as a higher grade modern trench. The strike of the two areas and the soil survey from assessment report #6495 was used to guide prospecting, a new soil survey target was found and preliminary soil sampling was done. See Figure No. 3 and Figure No. 4.

Rock samples collected from the hand mined pit (BPC, BPE, BPF, See Fig.4a) exhibit pronounced vein mineralization of chalcopyrite and bornite in a pyroclastic, strongly silicified hematitic rhyolite rock.

Rock samples collected from a modern trench (BPA, BPB, BPD, see Fig 4a) contain disseminated chalcopyrite, and tetradedrite in a strongly silicified rhyolitic type rock.

## **Conclusion**

Assay results from the hand mined pit probably indicate the sort of grade being removed by Mr. Strimbald, see Table 1 Samples BPC,BPE, BPF. The remaining samples are from the trenches on the prospecting map that lie 370m to the south east

The soil sampling revealed that five out of eleven samples were higher than the mean plus two times standard deviation of 36 ppm Cu established by the 1968 soil survey.

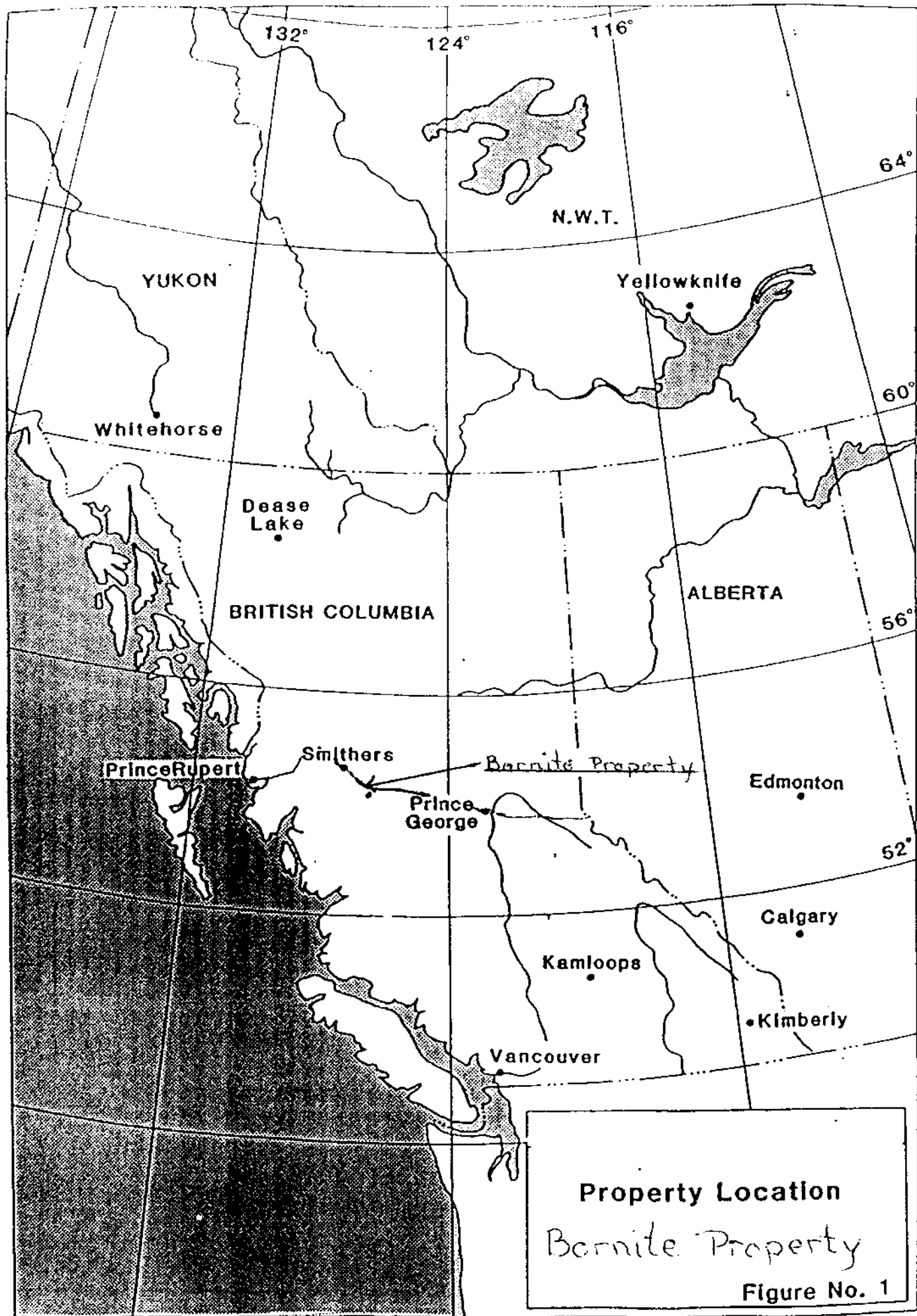
### Statement of Expenditures

Fourteen days prospecting (12 hrs./day @ \$20.00/hr.)	\$ 3360.00
Transportation/Accommodation Costs	672.00
Rock and Soil Assays	<u>193.20</u>
	\$ 4,225.20

### Author's Qualifications

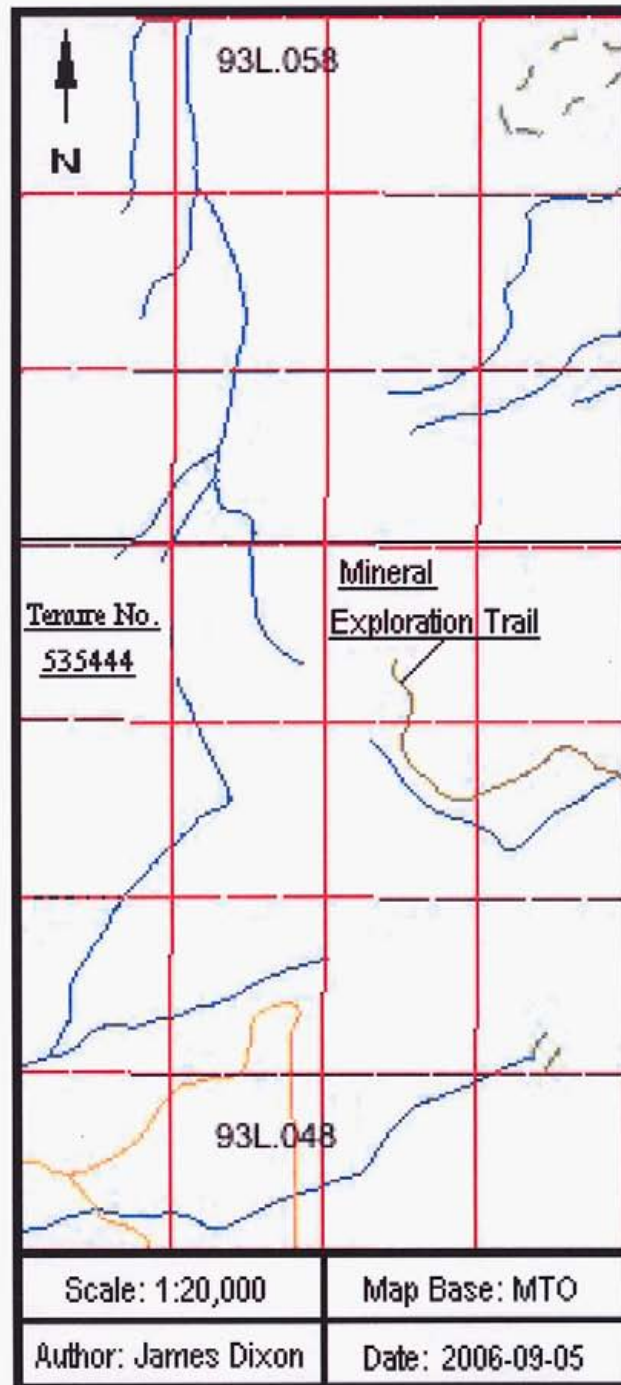
I, James Dixon, do hereby certify that I:

- am a prospector and reside at 3885 – 7th Avenue, Smithers BC
- have 4 year's prospecting experience
- am an Engineering Technologist
- am familiar with rock sampling techniques
- prepared this report



**Figure 2**

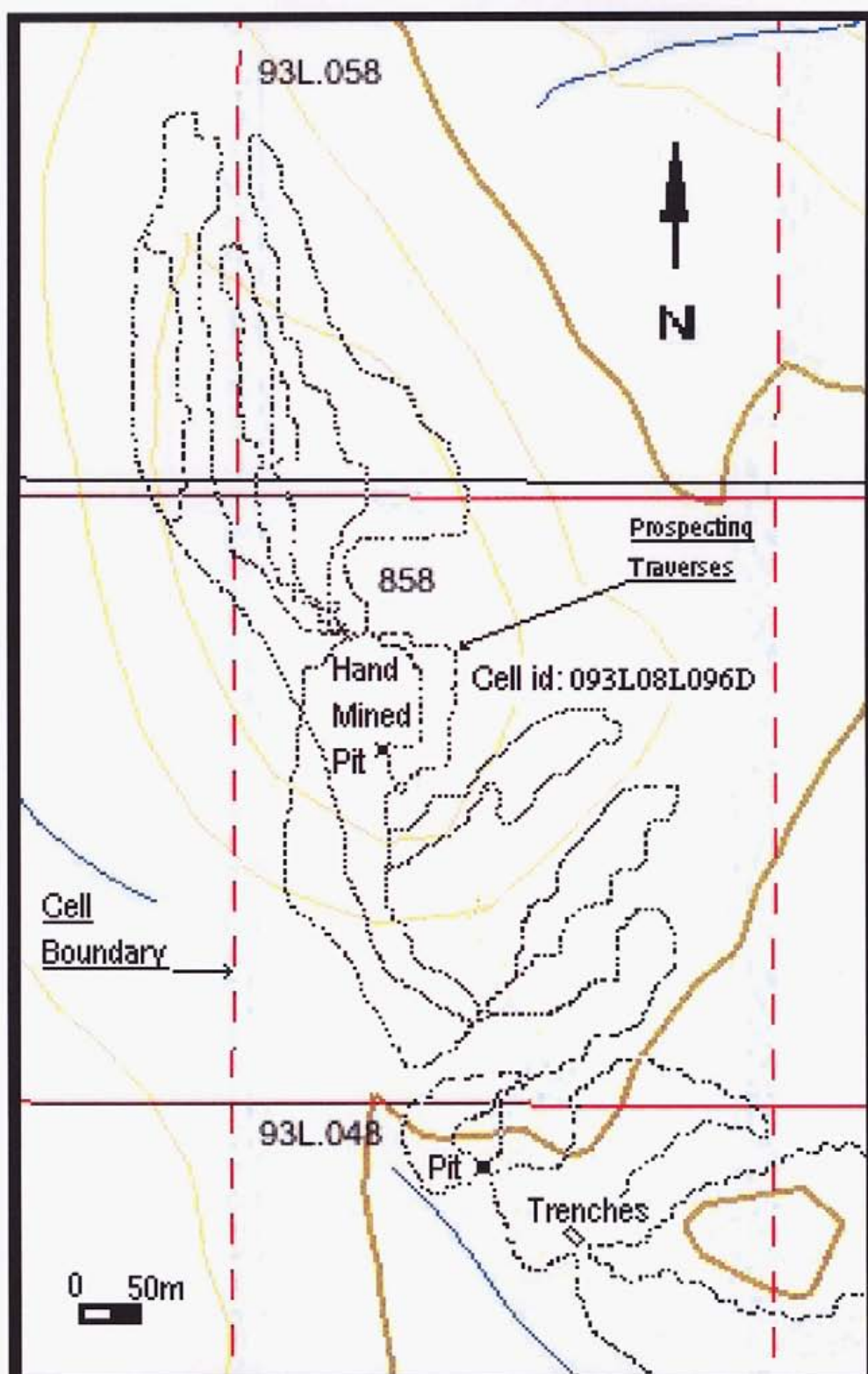
**Claim Map**





**Figure 3**

**Prospecting Traverses Map**



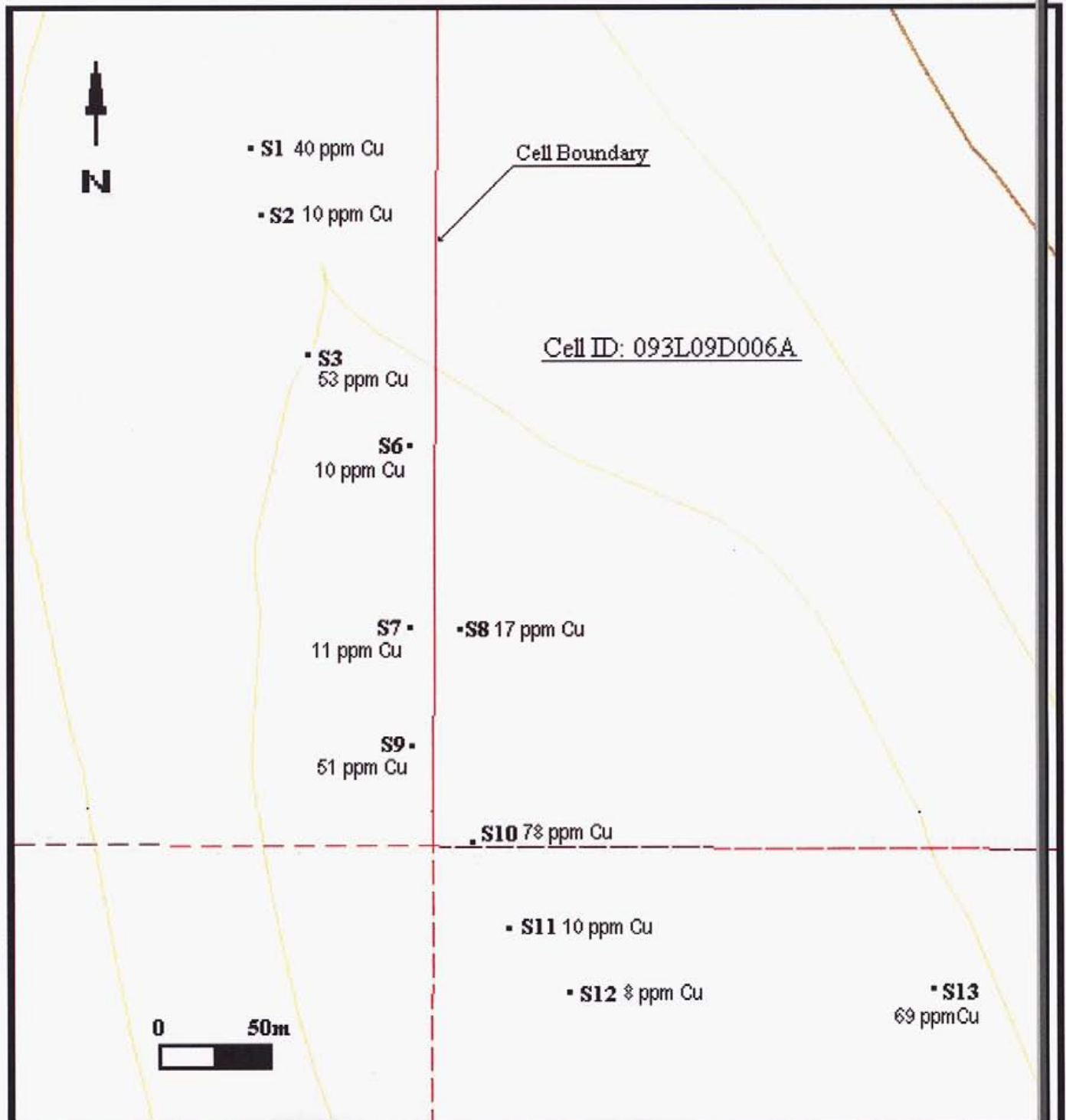
**Scale: 1:5,000**

**Map Base: MTO**

**Author: James Dixon**

**Date: 2006-09-17**

**Figure 4**  
**Soil Sample Location Map**



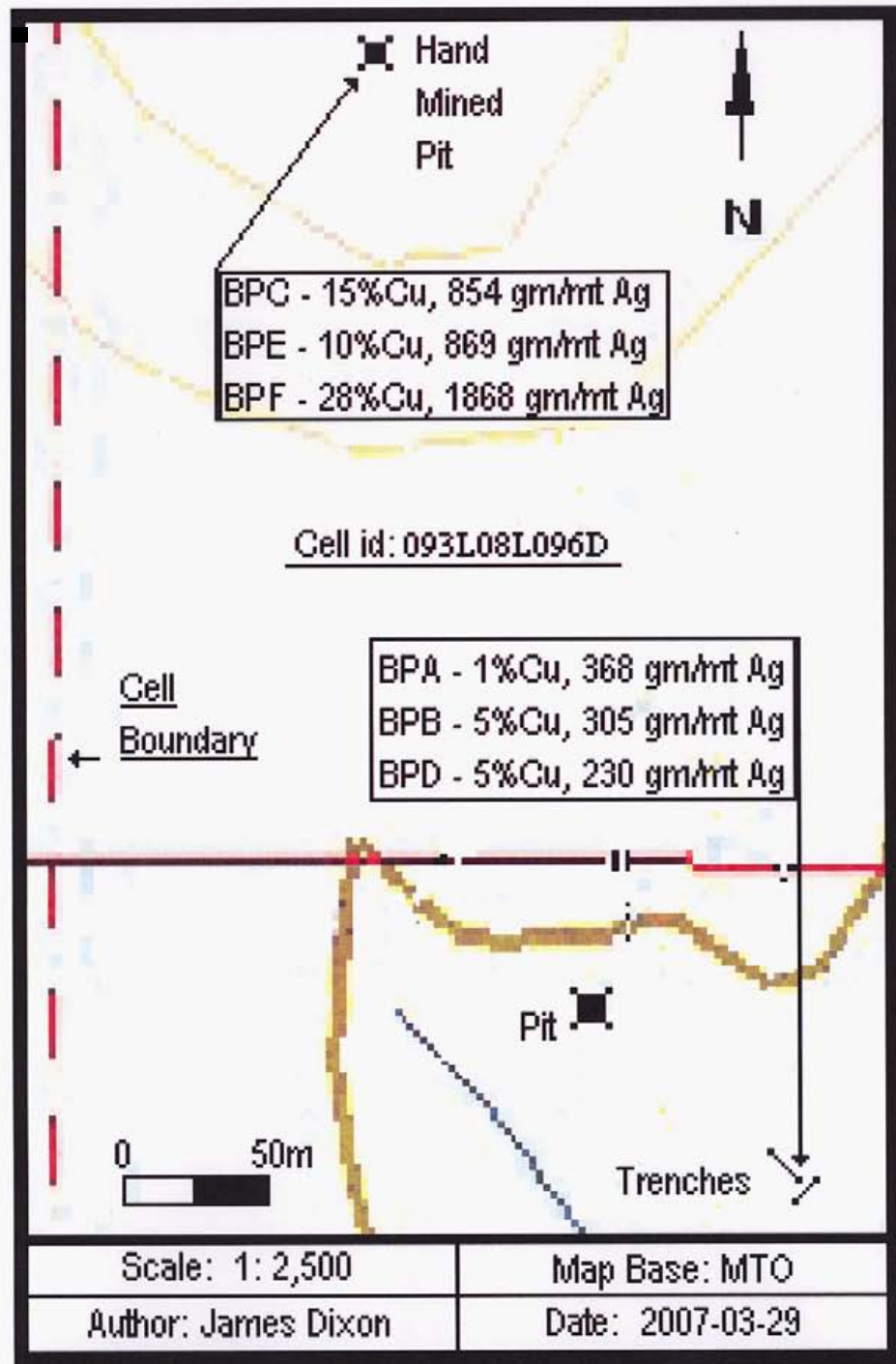
**Scale: 1:2,500**

**Map Base: MTO**

**Author: James Dixon**

**Date: 2007-03-29**

**Figure 4a**  
**Rock Sample Location Map**





ASSAY CERTIFICATE

Table 1

Bornite Assay Results



Dixon, James File # A507090

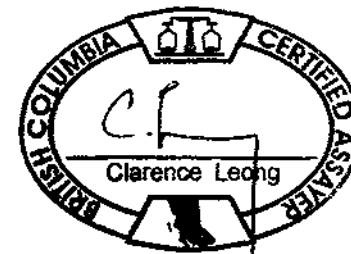
Box 4161, Smithers BC V0J 2N0 Submitted by: James Dixon

SAMPLE#	Mo %	Cu %	Pb %	Zn %	Ag gm/mt	Ni %	Co %	Mn %	Fe %	As %	Sr %	Cd %	Sb %	Bi %	Ca %	P %	Cr %	Mg %	Al %	Na %	K %	W %	Hg %
G-1	.001	<.001	.01	<.01	<2	<.001	<.001	.05	2.02	<.01	.007	<.001	<.001	<.01	.52	.074	<.001	.58	1.08	.13	.57	<.001	<.001
BPA	<.001	.955	2.16	<.01	368	<.001	.004	.03	5.80	.04	.195	<.001	<.001	<.01	<.01	.003	<.001	<.01	.10	.01	.10	.003	<.001
BPB	<.001	5.354	.02	.22	305	<.001	.001	.21	2.44	.42	.008	.002	<.001	<.01	.88	.034	<.001	.81	.76	.15	.13	.004	<.001
BPC	.002	14.799	.18	.19	854	<.001	.001	.09	8.25	.90	.035	.002	<.001	<.01	.19	.034	<.001	.54	.69	.10	.14	.003	<.001
BPD	.001	4.526	<.01	.15	230	<.001	.001	.21	2.72	.18	.003	.001	.005	<.01	.36	.049	<.001	.59	.91	.11	.12	.005	<.001
BPE	<.001	10.325	<.01	.15	869	<.001	<.001	.03	2.05	3.88	.003	.002	.006	<.01	.09	.042	<.001	.09	.87	.15	.24	.007	.005
BPF	.001	28.406	.03	.08	1868	<.001	.001	.24	3.85	.07	.004	<.001	<.001	.01	.27	.022	<.001	.48	.77	.12	.16	<.001	<.001
STANDARD GC-2a	.015	.899	8.99	16.51	1035	.006	<.001	.19	10.92	.15	.016	.093	.794	<.01	5.69	.291	.002	2.68	.44	.01	.07	.001	.007

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.  
- SAMPLE TYPE: ROCK R150

Data FA

DATE RECEIVED: OCT 28 2005 DATE REPORT MAILED: Nov 25/05





GEOCHEMICAL ANALYSIS CERTIFICATE

Table 2

Bornite Soil Assay Results



Dixon, James File # A507404  
Box 4161, Smithers BC V0J 2N0 Submitted by: James Dixon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.6	3.0	2.7	48	<.1	7.6	4.5	574	1.98	<.5	1.6	<.5	3.4	62	<.1	<.1	.1	39	.61	.084	7	59.9	.64	219	.132	<.1	.99	.047	.45	.1	<.01	2.0	.3	.07	5	<.5
S1	1.2	40.0	8.6	226	.1	16.7	12.2	6554	2.13	2.4	.1	.8	.2	45	1.1	.3	.2	37	.75	.069	5	16.9	.27	929	.037	3	.89	.006	.10	.1	.03	1.9	<.1	.10	4	<.5
S2	1.0	9.5	7.4	150	<.1	11.9	8.4	2302	2.16	1.7	.2	<.5	.5	23	.3	.2	.1	39	.37	.108	6	16.9	.27	529	.049	2	.90	.007	.10	<.1	.02	2.6	<.1	<.05	4	<.5
S6	.5	10.4	8.1	188	<.1	10.3	16.6	1362	2.02	3.4	.2	1.6	.2	20	.2	.1	.1	43	.39	.083	6	13.8	.28	427	.031	<.1	1.20	.007	.04	<.1	.04	2.5	<.1	.06	5	<.5
S7	.8	11.4	32.7	330	<.1	14.9	17.6	3524	3.29	4.0	.3	<.5	.8	19	.2	.1	.1	75	.31	.086	7	20.8	.44	439	.042	<.1	1.48	.010	.06	<.1	.02	5.0	.1	<.05	6	<.5
S8	.9	16.8	14.2	522	<.1	14.2	34.0	4981	5.66	25.1	.4	1.4	.5	16	.4	.7	.1	121	.38	.107	5	16.0	.26	898	.032	<.1	1.47	.013	.06	.1	.08	8.8	<.1	<.05	5	<.5
S9	.2	51.4	12.1	42	.1	16.3	4.4	77	.92	1.5	.6	3.6	.6	18	.1	<.1	.2	43	.24	.047	13	21.2	.22	810	.002	<.1	3.49	.013	.06	<.1	.10	8.1	.2	<.05	12	<.5
S10	.3	77.6	10.2	80	.1	23.0	5.5	98	1.30	2.2	1.0	2.4	1.1	17	.1	.1	.2	53	.22	.064	34	26.9	.31	708	.003	<.1	3.95	.011	.08	.3	.13	12.2	.2	<.05	11	<.5
S11	.7	9.6	6.8	143	<.1	14.3	9.3	1223	2.33	3.1	.2	<.5	.3	19	.2	.1	.1	49	.31	.109	6	19.6	.32	333	.042	<.1	1.37	.007	.06	<.1	.02	2.6	.1	<.05	5	<.5
S12	1.1	8.1	6.6	245	<.1	9.2	9.2	992	2.32	1.2	.2	.5	.4	13	.2	<.1	.1	51	.17	.064	6	21.6	.20	325	.053	3	1.08	.009	.04	<.1	.01	2.6	<.1	<.05	5	<.5
S13	.3	69.0	11.7	74	.4	35.0	6.2	147	1.63	3.0	1.0	<.5	.8	34	.4	.1	.2	37	.34	.123	52	32.6	.32	1551	.005	<.1	3.99	.013	.10	<.1	.10	9.0	.1	<.05	11	.6
STANDARD	11.5	124.4	29.3	143	.3	25.4	11.0	700	2.81	20.7	6.6	47.9	2.9	39	6.0	3.1	4.9	57	.85	.077	14	189.2	.57	165	.084	19	1.90	.072	.15	3.3	.23	3.3	1.7	<.05	6	4.2

Standard is STANDARD DS6.

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

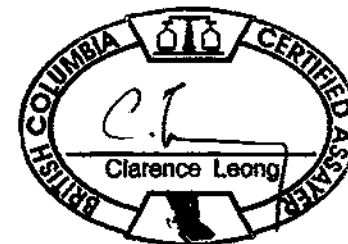
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.

- SAMPLE TYPE: SOIL SS80 60C

Data by FA \_\_\_\_\_

DATE RECEIVED: NOV 15 2005

DATE REPORT MAILED: Dec 1/05





GEOCHEMICAL ANALYSIS CERTIFICATE

Table 2 cont'd



Dixon, James File # A507089R  
Box 4161, Smithers BC V0J 2N0 Submitted by: James Dixon

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
S3	.6	52.5	10.8	77	.4	25.7	6.0	215	2.17	3.3	.8	1.2	1.8	23	.1	.4	.2	48	.37	.070	29	26.9	.40	708	.011	1	2.79	.011	.06	.1	.06	10.3	.1	<.05	7	.6
STANDARD	11.4	120.7	29.5	140	.3	24.6	10.7	692	2.81	20.6	6.5	45.8	3.0	40	5.8	3.3	4.9	55	.84	.077	13	186.6	.57	163	.080	16	1.89	.072	.14	3.4	.23	3.2	1.7	<.05	6	4.6

Standard is STANDARD DS6.

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

(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.

- SAMPLE TYPE: SOIL PULP

Data *fy* FA \_\_\_\_\_

DATE RECEIVED: NOV 16 2005

DATE REPORT MAILED: *NOV 22/05*

