BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	2000/2001
REPORT #:	PAP 00-9
NAME:	ED MCCROSSAN

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, pages 6 and 7.**

SUMMARY OF RESULTS

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

Information on this form is confidential subject to the provisions of the *Freedom of Information Act.*

Name ED Mc CROSSAN Reference Number 00/01-P35

LOCATION/COMMODITIES

Project Area (as listed in Part A) Mahatta River MINFILE No. if applicable 092L 230

Location of Project Area NTS 092L05W Lat 50 27 08 Long 127 45 10

Description of Location and Access 20 km west-northwest of Port Alice on Vancouver Is. Road access via WFP logging roads which begin south of Pt. Alice.

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

Main Commodities Searched For Cu - Au - Ag

Known Mineral Occurrences in Project Area 092L 230, 324, 325, 106.

WORK PERFORMED

1. Conventional Prospecting (area) APPROX 20 km²
2. Geological Mapping (hectares/scale)
3. Geochemical (type and no. of samples) ROCK SAMPLES, 134
4. Geophysical (type and line km)
5. Physical Work (type and amount) CLAIM STAKING, 28 units
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

Best Discovery

Project/Claim Name QUEEN Commodities Cu, Zn, Ag

Location (show on map) Lat. 50°27'30" N Long 127°45'W Elevation 720 feet.

Best assay/sample type 167 ppm Cu, 151 ppm Zn, 0.7 gpt Ag; rock grab samples.

Description of mineralization, host rocks, anomalies disseminated and fracture controlled pyrite, chalcopyrite, magnetite and hematite hosted by intermediate (andesitic) volcanics.

FEEDBACK: comments and suggestions for Prospector Assistance Program PRE FIELD RESEARCH, DATA COMPILATION & OFFICE PREP. TIME SHOULD BE CHARGEABLE (MIN. 3 DAYS). ALSO DAILY FEES SHOULD BE INCREASED TO $150 - OR $200 -.

B.C. Ministry of Energy and Mines
Prospectors' Assistance Program

Technical Report
Part D
Report on Results

By:

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Reference Number: 00/01-P35

November 8, 2000

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2. Geochemical Sample Location Map and Analyticial Results

   2A) Scrutor Area (after page 2)

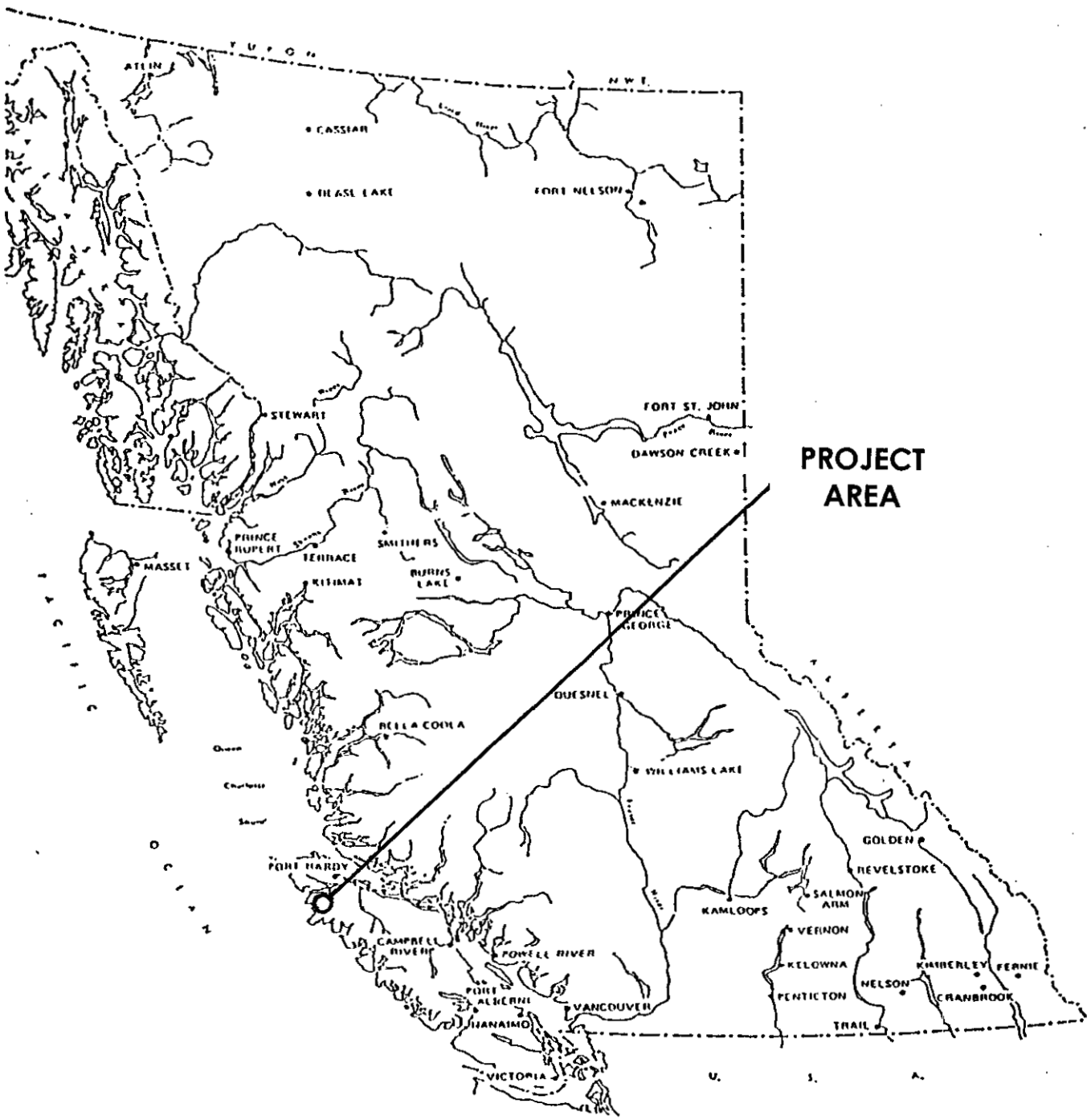
   2B) Mahatta River and Yreka South Areas (back pocket)

3. Claim Map (Q2-Q9) (after page 2)

Appendices

I. Analytical Results

II. Queen Claim; Geochemical Assessment Report



B.C. Ministry of Energy & Mines

LOCATION MAP

N.T.S. 92L/5 Nanaimo M.D., B.C

0 100 200 400 KM.

Scale 1: 8,000,000	Date :
Drawn by :	Figure No. : 1

Location of Project Areas

The Scrutor project area is located approximately 250 km. northwest of Nanaimo on Vancouver Island (Figure 1). The area is road accessible via highway 19 and Canfor logging roads which exit the Island Highway south of Nimpkish Lake at the Zeballos turnoff. Active logging roads are followed along the north shore of Atluck Lake and then south along the Sally Road to the area of interest.

The main project area is located in the Mahatta River – Cleagh Creek area approximately 20 km west-northwest of Port Alice on Vancouver Island. This area is accessible by Western Forest Products logging roads which begin south of Port Alice on the east side of the Neroutsos Inlet.

The third project area, referred to as Yreka South, is located 6 km west of Port Alice on the west side of Neroutsos Inlet.

Program Objective

The exploration program was designed to locate Cu-Au porphyry and/or quartz-carbonate Au-Ag- base metal vein, shear, or breccia mineral occurrences or deposits. The areas also have the potential to host carbonate replacement (skarn) mineralization.

Target host lithologies included the Bonanza Group volcanics and associated sediments of Lower Jurassic age, as well as the Upper Triassic sediments of the Quatsino and Parson Bay Formations. These volcanics and sediments were sampled extensively in areas adjacent or close to intrusive contacts with the Island intrusions of mid-late Jurassic age.

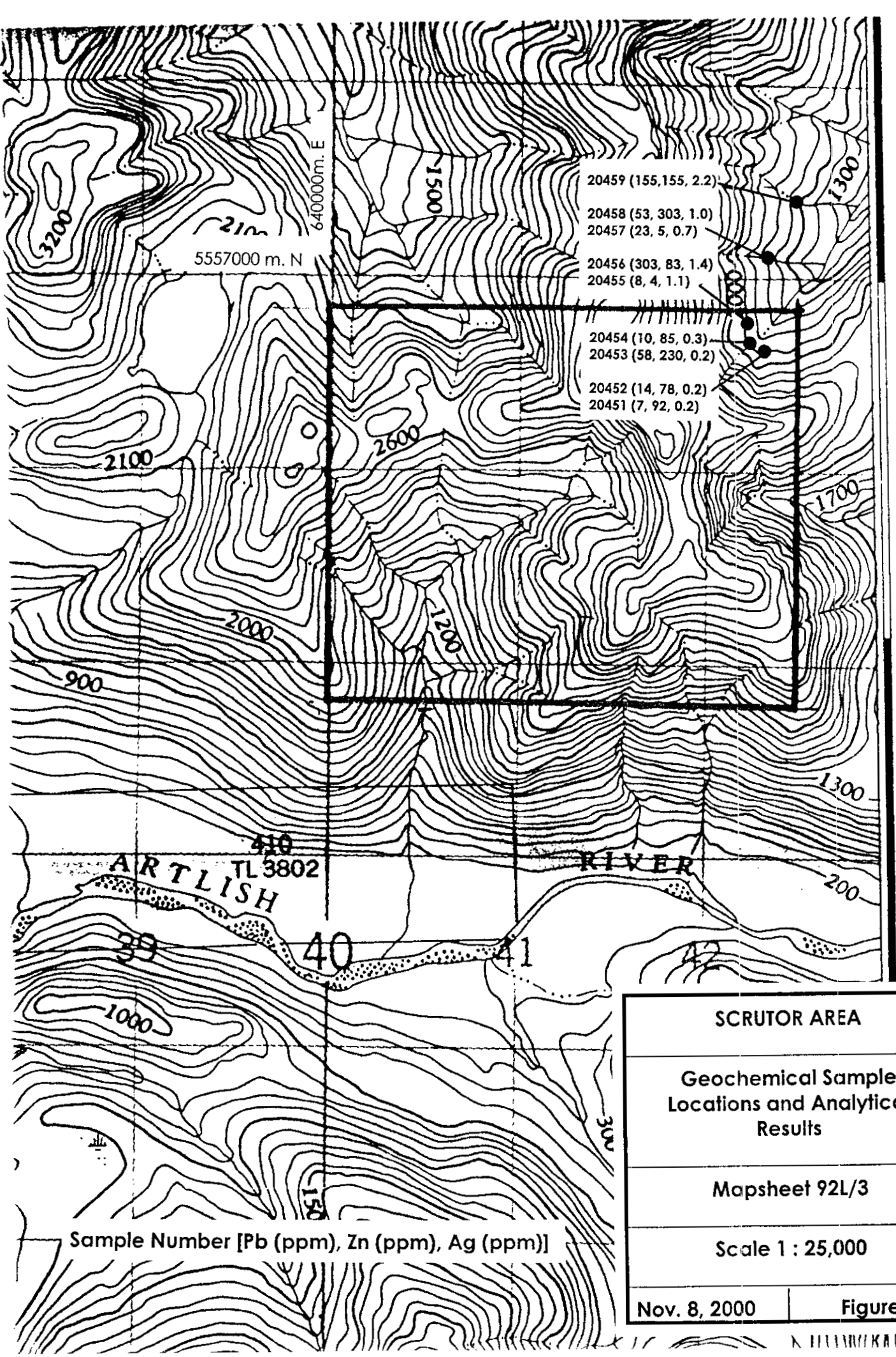
Minfile locations of interest within the project areas were also investigated and sampled.

Prospecting and Geochemical Results

Prospecting was carried out along logging roads of all ages, except where active logging operations were underway.

In the Scrutor area (Figure 2A), composite lithological samples were collected from drainages sourced from the north-eastern and eastern portions of the old Scrutor claim that had been visited previously by the author during 1998.

Geochemical sampling results indicate low level anomalies in molybdenum, lead, zinc, silver and arsenic for this area (Appendix I).



Sample Number [Pb (ppm), Zn (ppm), Ag (ppm)]

SCRUTOR AREA	
Geochemical Sample Locations and Analytical Results	
Mapsheet 92L/3	
Scale 1 : 25,000	
Nov. 8, 2000	Figure 2A

Molybdenum values ranged up to 105 ppm (sample #20456), lead values were as high as 303 ppm (sample #20456), zinc values were also up to 303 ppm (sample #20458) and arsenic values ranged up to 127 ppm (sample #20456). The highest silver value was 2.2 gpt (sample #20459).

In the Mahatta River – Cleagh Creek area (Figure 2B), logging roads were prospected in detail and most samples were grab or chip samples of altered and pyritized Bonanza Group lithologies taken adjacent to contacts with quartz monzonitic to dioritic Island intrusions or within or close to faulted, sheared or fractured areas. Some samples were also collected from the intrusive stocks.

For a detailed discussion of prospecting and geochemical results from the Queen Claim, refer to Appendix II which contains the geochemical assessment report for that claim.

Elsewhere in the Mahatta River – Cleagh Creek area, the Q2 – Q9 claim group returned unexceptional assay results with the highest numbers being a zinc assay of 197 ppm (sample # 20751) and a silver result of 1.5 gpt (sample #20463).

In the eastern portion of the Mahatta River – Cleagh Creek area, an aeromagnetic total field anomaly exceeding 5,000 nanoteslas (Geological Survey of Canada Map 7220 G, 1992), was investigated and sampled (sample #'s 20701 – 20719) with discouraging results. Only low level anomalies were obtained for copper, zinc, and arsenic. A gold anomaly of 20 ppb was also returned (sample #20719). The monzonitic to dioritic intrusion in this area was magnetic, however.

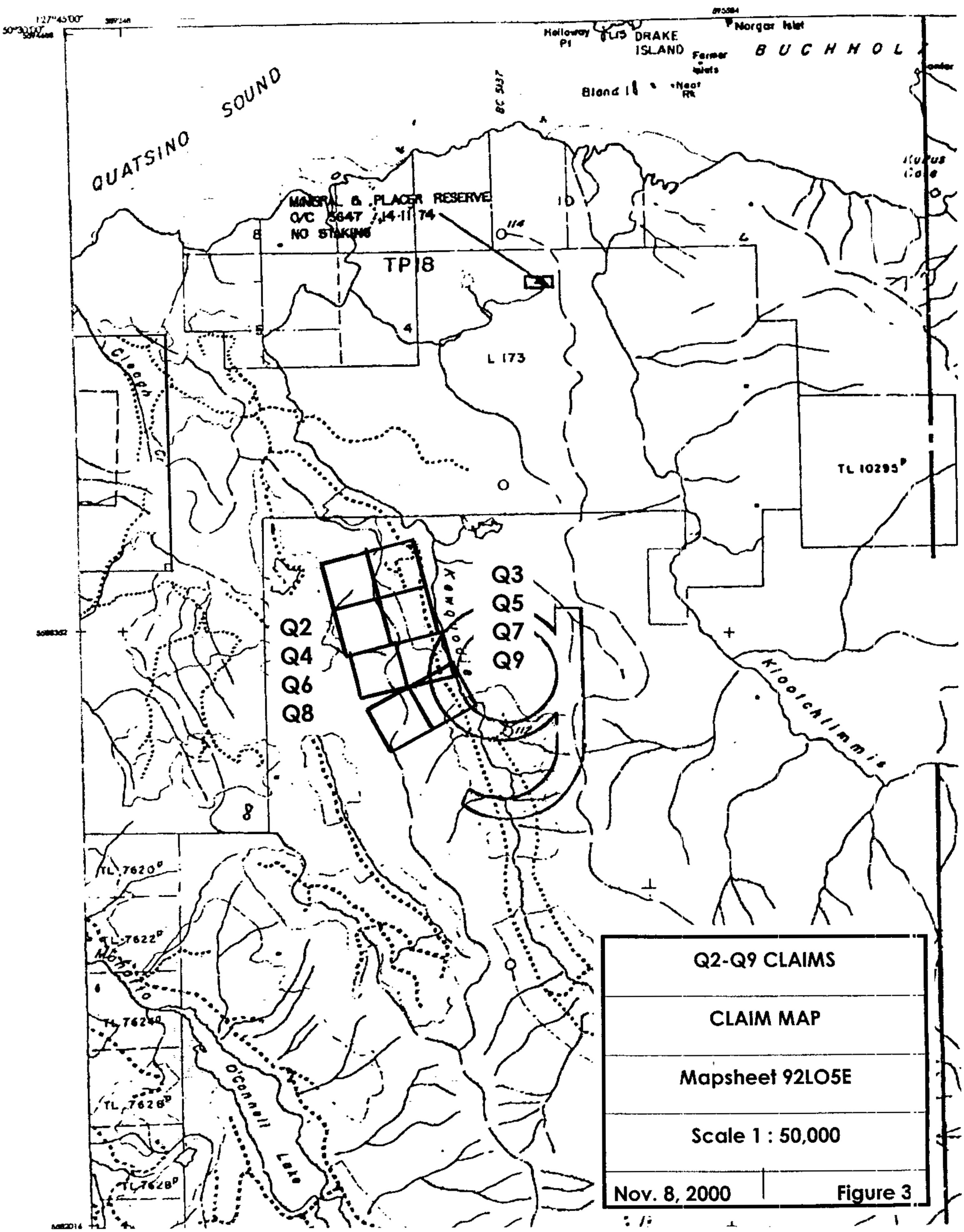
In the Yreka South area (Figure 2B), thirty-eight samples were collected and returned analytical results anomalous in copper, zinc, silver and arsenic. Copper values ranged up to 249 ppm (sample #20584), zinc assays were as high as 267 ppm (sample #20587), arsenic numbers were up to 53 ppm (sample #20727) and the same sample contained 0.6 gpt silver.

Claim Staking

One 4 post claim and eight 2 post claims, for a total of 28 units, were staked in the Mahatta River – Cleagh Creek area.

The Queen claim is the 4 post claim which was staked due to the prospective geology and the widespread alteration and pyritization associated with an intrusive stock, as well as predominant structures, within the claim boundary.

The Q2-Q9 claims are eight adjoining 2 post claims which were also staked over prospective geology displaying widespread alteration and pyritization within a felsic volcanic unit of the Bonanza Group.


QUATSINO SOUND
Holloway Pt
DRAKE ISLAND
Norgar Islet
BUCHHOL
Farmer Islets
Blond I
MINERAL & PLACER RESERVE
O/C 3647 14-11-74
NO STAKING
TP 18
L 173
TL 10295P
Q2
Q4
Q6
Q8
Q3
Q5
Q7
Q9
Klootchlimmis
TL 7620P
TL 7622P
TL 7624P
TL 7626P
TL 7628P
O'Connell Lake
Q2-Q9 CLAIMS
CLAIM MAP
Mapsheet 92LO5E
Scale 1 : 50,000
Nov. 8, 2000
Figure 3

Queen Claim
(see Appendix II)

MAHATTA RIVER AREA

YREKA SOUTH AREA

20575 (2, 3, 0.2)
20576 (4, 26, 0.3)
20577 (4, 29, 0.7)
20465 (11, 23, 0.2)
20466 (2, 2, 0.7)
20467 (2, 1, 0.7)
20468 (3, 35, 0.6)
20461 (2, 10, 1.3)
20462 (7, 1, 0.6)
20463 (4, 9, 1.5)
20464 (3, 15, 0.7)
20469 (1, 22, 0.7)
20747 (6, 31, 0.2)
20746 (10, 32, 0.2)
20745 (5, 36, 0.2)
20744 (6, 13, 0.2)
20743 (4, 40, 0.2)
20751 (10, 197, 0.2)
20752 (11, 154, 0.2)
20713 (29, 72, 0.2)
20714 (15, 113, 0.2)
20718 (1, 8, 0.2)
20717 (1, 12, 0.2)
20712 (26, 96, 0.2)
20715 (16, 14, 0.2)
20716 (15, 15, 0.2)
20711 (45, 67, 0.2)
20710 (31, 30, 0.2)
20709 (58, 40, 0.2)
20719 (3, 9, 0.2)
20708 (13, 41, 0.2)
20707 (7, 9, 0.2)
20706 (4, 71, 0.2)
20705 (4, 64, 0.2)
20704 (31, 46, 0.2)
20703 (36, 43, 0.2)
20702 (46, 52, 0.2)
20701 (18, 49, 0.2)
20742 (39, 97, 0.2)
20741 (84, 115, 0.2)
20740 (81, 128, 0.2)
20739 (122, 84, 0.2)
20583 (3, 10, 0.2)
20582 (3, 15, 0.2)
20581 (12, 4, 0.3)
20580 (3, 2, 0.3)
20579 (5, 45, 0.4)
20578 (25, 29, 0.2)
20734 (130, 144, 0.4)
20735 (139, 186, 0.2)
20736 (68, 64, 0.2)
20737 (107, 80, 0.3)
20739 (116, 95, 0.5)
20584 (249, 52, 0.2)
20585 (47, 125, 0.2)
20586 (21, 48, 0.2)
20587 (149, 267, 0.2)
20730 (133, 199, 0.3)
20731 (7, 33, 0.2)
20732 (135, 145, 0.2)
20733 (56, 52, 0.2)
20727 (129, 229, 0.6)
20588 (10, 40, 0.2)
20589 (11, 9, 0.2)
20590 (1, 54, 0.2)
20591 (99, 171, 0.2)
20592 (45, 63, 0.2)
20720 (27, 84, 0.2)
20721 (10, 87, 0.2)
20722 (4, 83, 0.2)
20723 (31, 71, 0.2)
20724 (89, 98, 0.3)
20725 (94, 58, 0.2)
20726 (66, 93, 0.2)

Sample Number [Cu (ppm), Zn (ppm), Ag (ppm)]

Mahatta River & Yreka South Areas
Geochemical Sample Locations and Assay Reulsts
Mapsheet 92L/5
Scale 1 : 50,000
Nov. 8, 2000 — ***Figure 2B***

Appendix I

Analytical Results

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

McCrossan, Ed PROJECT NONE File # A003864 Page 1

204 - 1225 Barclay St., Vancouver BC V6E 1H5 Submitted by: Ed McCrossan

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
B 20451	<1	48	7	92	<.3	47	24	1599	6.55	8	<8	<2	2	149	.4	<3	4	172	2.09	.105	18	95	1.86	123	.42	<3	4.10	.35	.09	2	6
B 20452	1	21	14	78	<.3	7	17	1745	4.39	3	<8	<2	2	67	.3	<3	<3	115	3.89	.105	17	18	1.43	105	<.01	3	2.68	.07	.12	<2	5
B 20453	7	66	58	230	<.3	48	46	3285	14.20	10	8	<2	6	20	2.8	5	6	61	.35	.052	39	35	.41	306	.04	5	2.07	.03	.27	<2	4
B 20454	1	16	10	85	.3	7	15	1200	5.27	2	<8	<2	4	69	.4	<3	3	113	4.86	.137	22	16	1.41	92	.01	4	1.64	.11	.10	2	4
B 20455	4	3	8	4	1.1	3	1	98	.47	<2	9	<2	2	2	<.2	<3	<3	4	.04	.004	2	25	.02	10	<.01	8	.06	.01	.01	8	2
B 20456	105	13	303	83	1.4	7	<1	69	1.34	127	10	<2	2	3	.3	35	<3	7	.06	.018	1	20	.02	8	<.01	7	.16	.01	.02	3	4
B 20457	3	14	23	5	.7	1	<1	40	2.96	16	10	<2	<2	18	<.2	8	<3	14	.01	.032	1	18	.01	336	<.01	4	.25	<.01	.04	5	9
B 20458	4	6	53	303	1.0	5	2	2985	.93	4	<8	<2	12	22	2.9	3	3	1	3.16	.015	23	10	.12	50	<.01	7	.67	.01	.43	<2	2
B 20459	3	4	155	155	2.2	1	1	396	.58	5	<8	<2	10	4	.6	6	<3	3	.03	.015	24	8	.01	317	<.01	3	.38	.01	.30	5	<2
B 20460	5	3	<3	6	.7	5	1	85	1.13	60	<8	<2	2	5	<.2	<3	<3	7	.03	.006	10	13	.01	45	<.01	8	.39	.15	.04	<2	3
B 20461	11	2	<3	10	1.3	4	4	141	1.43	26	<8	<2	3	8	<.2	<3	3	7	.21	.008	35	22	.13	25	<.01	24	.35	.07	.09	5	2
B 20462	48	7	<3	1	.6	8	65	26	4.41	9	<8	<2	2	3	<.2	<3	3	3	.01	.004	9	25	.01	16	<.01	7	.21	.14	.03	2	2
B 20463	7	4	<3	9	1.5	2	1	313	1.52	13	<8	<2	3	15	<.2	<3	4	<1	.73	.002	35	19	.47	76	<.01	13	.59	.02	.29	5	3
B 20464	7	3	4	15	.7	6	<1	285	2.37	8	<8	<2	2	8	.2	<3	<3	<1	.26	.003	31	17	.73	87	<.01	5	1.12	.12	.19	<2	<2
B 20465	2	11	7	23	<.3	2	10	751	5.25	9	<8	<2	6	13	.3	<3	5	12	1.18	.243	37	14	1.24	56	.02	4	.91	.11	.04	<2	3
RE B 20465	2	10	6	23	<.3	2	10	761	5.22	10	<8	<2	6	13	.3	<3	5	13	1.18	.242	38	12	1.23	56	.02	5	.89	.11	.03	<2	2
B 20466	10	2	<3	2	.7	5	1	26	1.31	21	<8	<2	2	5	<.2	<3	<3	3	.02	.007	13	14	.04	166	<.01	20	.36	.09	.13	<2	<2
B 20467	4	2	<3	<1	.7	1	<1	17	1.13	52	<8	<2	2	1	<.2	<3	3	2	.01	.003	20	14	.01	16	<.01	4	.23	.08	.09	4	3
B 20468	10	3	4	35	.6	6	<1	148	2.01	19	<8	<2	2	2	<.2	<3	<3	3	<.01	.005	31	14	.07	84	<.01	<3	.58	.14	.14	<2	2
B 20469	5	1	3	22	.7	1	<1	76	1.41	5	<8	<2	4	2	<.2	<3	<3	4	<.01	.003	32	15	<.01	152	<.01	4	.26	.08	.13	6	5
B 20470	1	10	8	55	<.3	67	31	889	6.27	7	<8	<2	<2	27	.3	<3	<3	141	2.37	.082	3	54	3.07	19	.29	15	3.92	.19	.04	<2	3
B 20471	<1	6	<3	44	<.3	115	43	875	8.01	10	9	<2	<2	22	.3	5	<3	228	.34	.062	4	94	4.22	14	.15	<3	3.90	.15	.04	<2	3
B 20472	<1	97	<3	71	<.3	92	48	1175	9.61	4	16	<2	<2	30	.4	<3	<3	176	.75	.051	1	91	4.62	17	.32	<3	4.15	.14	.01	<2	<2
B 20473	<1	68	7	66	<.3	90	56	1315	8.07	9	13	<2	<2	39	.2	<3	<3	191	1.16	.056	2	76	4.11	45	.36	8	4.59	.09	.03	<2	4
B 20474	1	64	13	53	<.3	58	30	945	4.81	8	<8	<2	<2	152	.4	<3	<3	128	1.54	.056	1	68	2.38	20	.36	6	2.67	.08	.03	<2	3
B 20475	2	9	12	35	<.3	5	62	459	5.30	9	<8	<2	<2	10	.4	<3	4	78	.66	.167	5	4	2.18	14	.28	<3	2.20	.22	.01	<2	3
B 20476	7	167	12	58	<.3	18	44	1035	8.72	16	<8	<2	<2	12	.4	4	7	105	.50	.187	10	17	4.05	24	.31	<3	3.89	.17	.01	<2	5
B 20477	3	26	9	47	<.3	4	17	775	6.17	2	<8	<2	<2	19	.2	<3	<3	107	1.11	.165	11	7	2.01	36	.41	7	2.03	.22	.07	<2	<2
B 20478	1	14	<3	50	<.3	2	12	756	5.64	3	<8	<2	<2	23	<.2	<3	<3	98	1.28	.171	11	4	1.93	38	.38	21	1.95	.24	.07	<2	3
B 20479	1	6	5	48	<.3	<1	9	653	5.44	5	<8	<2	<2	22	.2	<3	3	100	1.28	.169	11	4	1.73	30	.36	48	1.80	.24	.08	<2	<2
B 20480	2	31	<3	51	<.3	1	16	848	6.78	5	<8	<2	<2	19	.3	<3	<3	117	1.01	.181	12	5	2.38	31	.45	<3	2.32	.27	.08	<2	4
B 20481	1	50	7	97	<.3	1	13	642	5.56	6	<8	<2	<2	12	.5	<3	3	86	.91	.159	10	3	1.83	24	.36	21	1.72	.17	.08	<2	2
B 20482	1	79	<3	58	<.3	2	16	814	7.06	3	<8	<2	<2	12	.2	<3	3	109	.76	.173	13	4	2.43	34	.42	<3	2.39	.25	.06	<2	3
B 20483	2	83	6	54	<.3	2	14	741	5.74	5	<8	<2	<2	16	<.2	<3	<3	97	.97	.179	11	5	2.08	22	.35	<3	2.02	.24	.06	<2	<2
STANDARD C3/AU-R	26	61	38	167	5.3	39	12	775	3.41	55	21	<2	22	29	22.4	17	24	75	.56	.094	18	160	.62	152	.08	22	1.82	.05	.18	16	495
STANDARD G-2	2	2	4	45	<.3	10	4	547	2.13	<2	8	<2	5	99	.2	<3	<3	40	.72	.104	8	77	.64	282	.13	3	1.29	.19	.60	2	<2

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** GROUP 3B - 30.00 GM SAMPLE ANALYSIS BY ICP-ES.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 2 2000 DATE REPORT MAILED: Oct 12/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
B 20484	<1	97	4	45	<.3	81	65	1011	10.21	15	<8	<2	2	18	.5	<3	3	198	.51	.048	3	82	4.44	34	.44	<3	3.21	.04	.03	3	<2
B 20485	<1	60	7	60	.6	105	78	1785	11.06	20	<8	<2	3	13	.4	<3	<3	236	.54	.050	3	85	6.46	68	.42	<3	4.71	.02	.04	3	5
B 20486	1	156	10	47	.6	96	52	927	7.34	11	<8	<2	2	10	.4	<3	<3	204	.86	.056	2	87	4.38	41	.50	<3	2.71	.04	.03	3	<2
B 20487	1	29	5	50	.3	99	75	1142	8.65	10	<8	<2	2	13	.2	<3	<3	173	.66	.053	2	83	4.59	31	.36	<3	3.22	.04	.03	2	<2
B 20488	<1	6	<3	58	<.3	36	27	917	12.63	12	12	<2	3	23	<.2	<3	3	177	1.98	.042	3	12	1.92	27	.07	7	1.47	.02	.11	2	<2
B 20489	<1	10	3	11	.3	10	5	188	3.22	2	<8	<2	5	9	<.2	<3	<3	53	.44	.091	13	11	.75	6	.14	<3	.62	.08	.01	<2	2
B 20490	<1	3	5	16	.4	12	9	426	4.37	4	<8	<2	5	19	<.2	<3	<3	87	.59	.139	10	18	.85	13	.09	4	.81	.07	.05	<2	<2
B 20491	3	2	8	12	.3	7	12	180	2.94	3	<8	<2	3	5	<.2	<3	<3	28	.20	.062	5	19	.85	5	.07	<3	.72	.07	.01	<2	<2
B 20492	1	6	<3	9	.3	14	10	210	3.73	5	<8	<2	4	3	<.2	<3	<3	50	.15	.093	11	17	1.18	6	.01	<3	1.07	.07	.01	<2	3
B 20493	<1	48	3	27	<.3	6	7	682	3.83	<2	<8	<2	3	10	<.2	<3	<3	47	.34	.210	13	8	.71	15	.02	4	1.16	.05	.03	<2	<2
B 20494	<1	2	<3	11	<.3	1	6	273	3.95	7	<8	<2	3	16	<.2	<3	<3	2	1.10	.197	15	5	.37	8	<.01	3	.30	.08	.02	<2	<2
B 20495	<1	1	3	9	<.3	2	22	112	4.71	148	<8	<2	2	3	<.2	3	<3	1	.34	.205	11	5	.57	9	.02	<3	.68	.08	.01	<2	2
RE B 20495	<1	1	3	10	<.3	2	22	114	4.78	146	<8	<2	3	3	<.2	<3	<3	<1	.34	.206	12	5	.58	10	.02	<3	.69	.08	.01	<2	<2
B 20496	<1	1	3	8	.4	2	19	109	4.72	229	<8	<2	2	3	<.2	<3	<3	1	.34	.203	11	5	.57	8	.03	<3	.66	.09	.01	<2	2
B 20497	1	2	3	6	<.3	3	2	169	2.60	4	<8	<2	3	21	<.2	<3	<3	56	.67	.135	10	10	.50	4	.13	<3	.44	.09	.02	<2	2
B 20498	<1	2	4	22	.3	6	9	423	4.22	34	<8	<2	3	5	<.2	<3	<3	61	.30	.154	13	8	1.30	13	.01	<3	1.48	.07	.03	<2	<2
B 20499	<1	1	<3	7	.6	10	8	694	4.71	218	<8	<2	2	40	<.2	<3	<3	204	6.01	.101	4	16	1.88	14	.16	4901	2.27	.04	.05	<2	<2
B 20500	<1	2	3	8	<.3	3	1	134	.85	2	<8	<2	3	21	<.2	<3	<3	5	.94	.009	8	15	.44	3	<.01	17	.24	.08	.01	7	2
B 20557	1	11	<3	20	.4	1	3	442	5.68	19	<8	<2	3	9	<.2	<3	<3	59	.95	.176	7	4	1.08	10	.28	24	.98	.09	.04	<2	<2
B 20558	<1	13	6	21	<.3	3	22	486	6.27	5	<8	<2	<2	8	.2	<3	<3	65	.69	.216	9	4	1.71	12	.23	<3	1.40	.08	.01	<2	<2
B 20559	<1	1	6	19	.4	<1	16	344	6.59	7	<8	<2	2	11	<.2	3	<3	16	.96	.202	11	5	1.12	8	.01	<3	1.45	.06	.02	2	<2
B 20560	2	3	9	20	.4	1	17	324	8.17	<2	<8	<2	3	9	<.2	<3	4	12	.62	.216	17	1	1.30	5	.01	<3	1.40	.06	.01	2	2
B 20561	2	2	<3	4	<.3	2	2	19	1.96	4	<8	<2	3	2	<.2	<3	<3	7	.01	.027	16	14	.01	4	<.01	<3	.15	.07	.03	2	2
B 20562	18	2	3	10	<.3	3	19	166	2.28	8	<8	<2	<2	2	<.2	<3	<3	5	.01	.022	4	8	.01	11	<.01	<3	.24	.06	.04	4	4
B 20563	<1	1	3	47	.3	5	8	471	4.51	2	<8	<2	3	6	<.2	<3	3	36	.18	.087	14	12	.02	14	.03	<3	.26	.07	.01	3	4
B 20564	19	26	6	19	<.3	4	3	57	1.17	6	<8	<2	<2	6	<.2	<3	<3	14	.07	.045	2	10	.02	10	<.01	5	.48	<.01	.12	<2	<2
B 20565	3	2	<3	32	<.3	3	1	107	1.64	5	<8	<2	5	4	<.2	<3	<3	8	.03	.008	24	17	.05	36	<.01	<3	.25	.03	.23	2	<2
B 20566	1	16	18	151	.3	3	<1	191	1.68	8	<8	<2	2	2	.3	3	<3	3	.02	.002	20	17	.01	29	.01	<3	.15	.07	.04	7	8
B 20567	2	3	3	23	<.3	2	<1	103	1.47	3	<8	<2	9	2	<.2	<3	5	15	.01	.007	100	22	.01	25	.01	<3	.18	.05	.11	3	<2
B 20568	2	3	4	45	<.3	3	<1	421	2.77	14	<8	<2	4	2	<.2	<3	<3	5	.01	.002	35	13	.01	145	<.01	<3	.28	.06	.15	4	2
B 20569	5	2	<3	2	<.3	1	<1	19	.81	3	<8	<2	<2	1	<.2	<3	<3	3	<.01	.001	8	12	<.01	8	<.01	<3	.12	.09	.01	2	2
B 20570	<1	6	3	8	<.3	2	1	34	1.70	4	<8	<2	4	1	<.2	<3	3	6	<.01	.001	26	15	.01	7	<.01	<3	.15	.08	.04	2	2
B 20571	4	3	6	12	<.3	1	6	111	2.40	3	<8	<2	<2	1	<.2	<3	<3	1	.01	.001	13	13	.04	6	<.01	<3	.17	.08	.02	3	<2
B 20572	2	3	4	12	<.3	3	6	119	1.44	<2	<8	<2	5	2	<.2	<3	3	8	.10	<.001	41	25	.01	5	.01	<3	.13	.09	.02	4	4
B 20573	5	2	5	18	<.3	1	<1	120	2.65	3	<8	<2	2	1	<.2	<3	<3	5	<.01	.001	16	8	.01	6	<.01	<3	.19	.07	.02	3	2
STANDARD C3/AU-R	26	65	41	166	5.7	41	12	804	3.56	59	28	2	22	28	24.1	15	25	73	.59	.097	18	169	.64	148	.09	25	1.83	.04	.17	16	481
STANDARD G-2	1	3	6	41	<.3	9	4	555	2.12	<2	<8	<2	6	73	<.2	<3	<3	35	.67	.107	8	76	.63	225	.13	<3	.96	.08	.49	2	<2

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
B 20574	7	2	3	13	.7	2	1	72	2.29	4	<8	<2	3	1	<.2	<3	3	4	<.01	.001	19	10	<.01	6	<.01	14	.16	.09	.02	3	3
B 20575	2	2	<3	3	<.3	2	2	15	1.11	<2	<8	<2	<2	1	<.2	<3	<3	<1	<.01	<.001	3	11	<.01	5	<.01	6	.12	.09	.02	3	2
B 20576	6	4	<3	26	.3	3	2	184	3.70	5	<8	<2	2	2	<.2	<3	<3	2	.02	.001	17	15	.09	7	<.01	16	.19	.07	.02	4	2
B 20577	6	4	3	29	.7	3	2	206	3.88	5	<8	<2	2	2	<.2	<3	<3	3	.02	.001	16	20	.11	6	<.01	14	.20	.07	.02	4	<2
B 20578	2	25	4	29	<.3	6	16	1003	5.27	4	<8	<2	2	18	<.2	<3	<3	57	1.20	.160	11	28	1.00	27	.23	13	1.94	.17	.08	<2	<2
B 20579	3	5	5	45	.4	4	20	1393	6.24	10	<8	<2	<2	43	<.2	<3	<3	24	5.55	.159	14	6	1.07	18	<.01	9	.53	.03	.17	<2	<2
B 20580	4	3	<3	2	.3	2	1	1373	1.71	3	<8	<2	2	31	<.2	<3	<3	<1	4.31	.014	10	12	.14	10	<.01	9	.26	.04	.15	<2	<2
B 20581	4	12	<3	4	.3	1	<1	242	2.59	8	<8	<2	2	5	<.2	<3	<3	<1	.73	.017	12	14	.16	11	.01	15	1.17	.16	.24	<2	2
B 20582	4	3	5	16	<.3	2	5	516	5.15	4	<8	<2	<2	5	<.2	<3	<3	10	.66	.116	15	9	.39	12	.02	11	1.47	.12	.21	<2	<2
B 20583	4	3	<3	10	<.3	2	3	535	4.05	4	<8	<2	<2	11	<.2	<3	<3	4	.76	.113	14	8	.56	10	<.01	10	.46	.03	.15	2	<2
B 20584	<1	249	<3	52	<.3	9	30	1666	6.06	4	<8	<2	2	11	.3	<3	<3	164	2.56	.061	10	7	.90	20	.02	9	1.93	.05	.08	<2	<2
B 20585	<1	47	<3	125	<.3	55	31	2021	7.06	2	13	<2	<2	22	.3	<3	<3	132	8.67	.071	7	89	.14	31	.01	7	1.34	.02	.13	2	3
B 20586	3	21	<3	48	<.3	4	4	564	2.28	<2	<8	<2	3	11	<.2	<3	<3	13	.47	.012	18	13	.27	21	<.01	7	.82	.10	.04	<2	<2
B 20587	4	149	3	267	<.3	48	38	3443	7.19	14	<8	<2	<2	20	.9	<3	<3	177	4.83	.104	16	86	.08	41	.04	8	1.36	.02	.18	<2	5
B 20588	4	10	<3	40	.3	3	2	412	3.87	3	<8	<2	2	1	<.2	<3	<3	23	.04	.020	27	9	.04	9	<.01	9	.93	.01	.12	<2	3
RE B 20588	4	11	<3	40	.3	3	2	407	3.82	3	<8	<2	2	1	<.2	<3	<3	23	.04	.020	27	8	.04	9	<.01	9	.93	.01	.12	<2	4
B 20589	2	11	<3	9	<.3	4	2	185	.73	<2	<8	<2	<2	8	<.2	<3	<3	17	1.54	.041	6	22	.11	3	.10	4	.25	.09	.01	3	3
B 20590	2	<1	<3	54	<.3	9	23	980	9.19	5	<8	<2	<2	10	.3	<3	<3	230	.78	.094	7	9	2.81	12	.09	6	4.18	.10	.08	2	3
B 20591	1	99	5	171	<.3	29	40	2374	6.87	11	<8	<2	<2	6	1.4	3	<3	138	.18	.068	8	25	.18	62	.01	6	1.27	.05	.09	4	3
B 20592	<1	45	5	63	<.3	27	31	1774	6.90	5	<8	<2	<2	14	.4	<3	<3	225	1.10	.088	6	34	2.69	48	.26	10	3.08	.10	.05	<2	3
STANDARD C3/AU-R	27	67	36	169	5.4	40	12	793	3.47	60	23	<2	23	29	23.8	20	24	74	.57	.095	19	175	.62	154	.08	29	1.87	.04	.17	17	482
STANDARD G-2	2	4	5	44	<.3	9	5	535	2.06	<2	<8	<2	5	84	<.2	<3	<3	34	.66	.104	7	77	.62	255	.13	9	1.06	.12	.53	2	2

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

McCrossan, Ed File # A004285 Page 1

204 - 1225 Barclay St., Vancouver BC V6E 1H5 Submitted by: Ed McCrossan

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/mt
B 20701	3	18	8	49	<.3	54	14	362	3.02	3	<8	<2	5	26	.3	4	<3	61	.60	.033	4	27	1.77	22	.12	5	1.91	.10	.06	<2	<.01
B 20702	1	46	<3	52	<.3	99	27	506	4.65	4	<8	<2	3	53	.3	5	<3	80	1.35	.030	4	55	2.89	32	.11	8	3.58	.24	.10	<2	<.01
B 20703	3	36	4	43	<.3	62	19	379	3.76	5	<8	<2	3	29	.4	5	<3	81	.85	.049	4	27	1.99	26	.13	4	2.28	.12	.09	<2	.01
B 20704	1	31	<3	46	<.3	50	15	539	4.39	4	<8	<2	2	30	.4	6	<3	134	1.09	.052	4	29	2.32	39	.16	<3	2.60	.06	.06	<2	.01
B 20705	3	4	5	64	<.3	4	1	522	3.60	3	<8	<2	3	9	<.2	<3	<3	<1	.37	.069	13	4	.41	29	.08	<3	1.16	.10	.09	<2	<.01
B 20706	2	4	5	71	<.3	1	1	512	3.73	5	<8	<2	4	10	<.2	<3	<3	<1	.34	.066	15	5	.44	41	.10	4	1.22	.10	.11	2	<.01
B 20707	3	7	<3	9	<.3	7	3	315	2.65	4	<8	<2	3	10	<.2	<3	<3	49	1.32	.289	8	7	.48	5	.19	230	.51	.09	.02	<2	<.01
B 20708	<1	13	<3	41	<.3	132	26	379	5.67	7	<8	<2	<2	41	.3	10	<3	193	1.26	.080	3	172	3.22	11	.19	4	3.28	.17	.04	<2	.01
B 20709	4	58	<3	40	<.3	14	10	578	3.59	10	<8	<2	2	13	.2	3	<3	27	.18	.035	20	18	.68	22	.01	6	1.13	.06	.13	<2	.01
B 20710	3	31	3	30	<.3	4	5	351	3.07	6	<8	<2	<2	8	<.2	<3	<3	13	.11	.012	18	10	.29	24	<.01	4	.75	.04	.13	<2	<.01
B 20711	3	45	3	67	<.3	49	28	265	5.51	6	<8	<2	<2	31	.4	7	<3	236	.82	.111	5	125	2.23	78	.43	<3	3.26	.22	.46	<2	<.01
B 20712	1	26	3	96	<.3	10	14	1207	5.25	14	<8	<2	<2	60	.2	<3	<3	39	3.29	.158	11	10	.88	41	<.01	6	1.06	.03	.27	<2	<.01
B 20713	<1	24	12	72	<.3	12	25	827	7.13	45	<8	<2	<2	6	<.2	8	<3	82	.36	.202	15	11	.05	11	<.01	11	.78	.01	.08	2	.01
B 20714	1	15	8	113	<.3	11	23	1324	8.09	25	<8	<2	<2	6	<.2	6	<3	88	.15	.194	11	6	.07	15	<.01	13	1.02	<.01	.10	2	<.01
B 20715	2	16	<3	14	<.3	3	4	193	3.84	<2	<8	<2	<2	26	<.2	<3	<3	2	.42	.059	10	6	.28	7	.09	3	.67	.09	.03	2	<.01
RE B 20715	2	17	<3	14	<.3	2	5	197	3.85	2	<8	<2	2	27	<.2	<3	<3	1	.42	.059	10	6	.28	7	.09	7	.66	.09	.03	<2	<.01
B 20716	4	15	<3	15	<.3	6	5	304	4.47	4	<8	<2	2	20	<.2	<3	<3	3	.32	.064	11	7	.17	11	.08	<3	.54	.09	.04	<2	<.01
B 20717	4	1	3	12	<.3	1	<1	445	1.84	<2	<8	<2	<2	26	<.2	<3	<3	<1	1.46	.005	26	10	.47	224	<.01	<3	.56	.10	.11	<2	<.01
B 20718	4	1	<3	8	<.3	1	<1	155	1.11	<2	<8	<2	<2	9	<.2	<3	<3	1	.29	.005	19	7	.23	193	<.01	3	.48	.09	.13	2	.01
B 20719	8	3	<3	9	<.3	6	1	201	1.20	<2	<8	<2	<2	6	<.2	<3	<3	1	.26	.005	31	14	.16	52	<.01	4	.40	.08	.12	<2	.02
B 20720	4	27	18	84	<.3	11	11	1042	4.69	6	<8	<2	<2	3	.3	<3	<3	25	.18	.134	18	6	.07	53	<.01	4	.98	.04	.22	<2	.01
B 20721	2	10	11	87	<.3	9	9	689	4.18	3	<8	<2	2	3	<.2	<3	3	34	.02	.069	18	7	.03	69	<.01	<3	.87	.03	.23	<2	.01
B 20722	2	4	8	83	<.3	10	11	1195	4.09	<2	<8	<2	3	2	<.2	<3	3	31	.02	.055	16	5	.03	102	<.01	3	.82	.03	.23	<2	<.01
B 20723	5	36	14	71	<.3	8	11	1145	4.99	7	<8	<2	<2	3	<.2	<3	3	32	.16	.138	17	9	.10	46	<.01	<3	.99	.02	.21	2	.01
B 20724	1	89	8	98	.3	10	21	1446	7.46	10	<8	<2	<2	18	.5	5	<3	173	1.63	.169	12	14	1.19	29	<.01	<3	2.18	.03	.09	<2	.01
B 20725	<1	94	<3	58	<.3	35	27	1133	6.41	7	<8	<2	<2	35	.2	7	<3	209	4.02	.101	7	88	2.54	22	<.01	<3	3.12	.05	.10	<2	<.01
B 20726	1	66	<3	93	<.3	15	28	1375	7.84	6	<8	<2	<2	72	.4	5	<3	238	4.46	.136	9	39	2.28	41	.12	<3	2.92	.05	.06	<2	.02
B 20727	3	129	32	229	.6	20	32	1446	8.16	53	<8	<2	<2	7	.9	6	<3	165	.33	.202	13	13	.12	53	<.01	<3	.78	.03	.18	<2	<.01
B 20728	<1	17	3	82	<.3	4	24	1710	8.14	17	<8	<2	<2	26	.4	8	<3	229	1.97	.151	8	7	1.53	24	.02	<3	2.77	.04	.03	<2	.03
B 20729	1	103	4	118	.4	15	25	1480	7.76	11	<8	<2	<2	31	.4	3	<3	183	2.06	.212	12	17	.84	34	<.01	<3	1.60	.03	.12	<2	.02
B 20730	<1	133	19	199	.3	10	25	1324	7.28	10	<8	<2	<2	34	.6	5	<3	241	1.79	.154	11	10	1.27	39	.16	<3	2.22	.10	.12	<2	<.01
B 20731	3	7	8	33	<.3	3	20	1056	5.73	7	<8	<2	<2	18	<.2	<3	<3	28	1.07	.187	7	6	.40	21	<.01	<3	1.09	.05	.10	<2	<.01
B 20732	<1	135	6	145	<.3	24	25	1988	7.89	11	<8	<2	<2	9	.8	5	<3	221	.44	.218	14	19	.12	44	<.01	<3	.80	.04	.17	2	<.01
B 20733	<1	58	8	52	<.3	12	17	1176	6.52	6	<8	<2	<2	11	.4	5	<3	221	.92	.192	9	16	1.44	38	.33	<3	2.24	.05	.05	<2	.01
STANDARD C3/AU-1	26	62	37	167	5.3	38	11	757	3.33	56	20	2	20	29	22.2	16	24	78	.55	.093	18	163	.59	148	.09	23	1.81	.04	.17	15	3.67
STANDARD G-2	2	4	6	44	<.3	8	4	549	2.09	<2	<8	<2	5	76	<.2	<3	<3	40	.66	.105	8	77	.61	230	.13	5	.97	.07	.49	<2	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 3/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data /-FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/mt
B 20734	2	130	7	144	.4	18	25	1301	7.58	18	<8	<2	<2	9	1.0	<3	5	190	.40	.212	15	14	.07	47	<.01	<3	.83	.04	.13	2	<.01
B 20735	1	139	17	186	<.3	25	34	1870	8.63	17	<8	<2	<2	22	1.3	<3	5	221	.53	.213	16	20	.20	321	.01	4	.94	.04	.15	2	.01
B 20736	1	68	5	64	<.3	39	30	1248	6.80	10	<8	<2	<2	21	.4	5	<3	205	2.20	.107	8	87	2.68	26	<.01	<3	3.30	.05	.08	<2	.01
B 20737	1	107	8	80	.3	13	25	1287	7.64	11	<8	<2	<2	32	.6	3	<3	228	2.14	.239	12	12	1.70	29	.21	<3	2.87	.05	.06	<2	<.01
B 20738	2	116	5	95	.5	11	20	1477	7.78	12	<8	<2	<2	24	.8	<3	3	154	1.37	.201	13	11	1.21	35	<.01	<3	2.38	.03	.12	<2	<.01
B 20739	<1	122	<3	84	<.3	21	33	1170	7.15	12	<8	<2	<2	22	.8	3	3	177	1.76	.189	7	25	1.77	54	.26	<3	3.03	.05	.11	4	<.01
B 20740	1	81	8	128	<.3	9	28	1765	8.80	14	<8	<2	<2	14	.6	<3	4	282	.76	.210	11	8	1.57	66	.26	<3	2.92	.05	.06	<2	<.01
B 20741	<1	84	3	115	<.3	16	28	1474	8.24	9	<8	<2	<2	32	.6	4	<3	266	2.01	.169	10	28	2.33	35	.05	<3	3.48	.04	.05	<2	<.01
B 20742	1	39	5	97	<.3	7	24	1719	7.79	11	<8	<2	<2	37	.4	<3	<3	196	2.45	.160	10	9	1.33	35	.01	<3	2.37	.04	.08	<2	<.01
RE B 20742	1	38	8	95	<.3	7	24	1704	7.73	10	<8	<2	<2	37	.7	<3	<3	194	2.42	.159	10	10	1.32	35	.01	<3	2.36	.04	.08	<2	<.01
B 20743	8	7	4	40	<.3	7	<1	51	.79	3	<8	<2	<2	3	<.2	<3	3	4	.03	.002	37	16	.02	137	<.01	5	.22	.06	.10	2	<.01
B 20744	4	6	<3	13	<.3	1	<1	49	1.08	6	<8	<2	<2	2	<.2	<3	3	2	.02	.001	7	12	.02	46	<.01	7	.24	.06	.11	7	<.01
B 20745	7	5	5	34	<.3	5	<1	116	1.99	7	<8	<2	<2	1	.2	<3	6	1	<.01	.001	39	11	.01	44	<.01	6	.28	.04	.13	<2	<.01
B 20746	8	10	7	32	<.3	1	<1	128	1.81	6	<8	<2	<2	2	<.2	<3	<3	2	<.01	<.001	22	11	.01	131	<.01	5	.22	.04	.11	7	<.01
B 20747	7	6	<3	31	<.3	4	<1	110	2.25	8	<8	<2	<2	1	<.2	<3	4	1	<.01	.002	28	12	.01	41	<.01	3	.29	.05	.12	2	<.01
B 20751	2	10	23	197	<.3	<1	4	1533	6.23	4	<8	<2	<2	14	.8	<3	<3	3	1.51	.180	23	5	.85	24	.39	4	1.51	.07	.06	4	<.01
B 20752	3	11	6	154	<.3	2	5	1528	6.14	3	<8	<2	<2	14	.7	<3	<3	4	1.75	.190	24	4	.85	23	.38	6	1.52	.07	.06	3	<.01
STANDARD C3/AU-1	26	66	35	165	5.4	38	11	784	3.43	57	24	3	20	30	23.4	14	23	78	.57	.096	18	167	.61	149	.09	22	1.86	.04	.17	19	3.60
STANDARD G-2	2	4	6	44	<.3	9	4	558	2.16	<2	<8	<2	4	76	.2	<3	3	40	.67	.108	7	77	.63	231	.14	<3	1.01	.07	.50	<2	-

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

Appendix II

Queen Property

Geochemical Assessment Report

QUEEN PROPERTY
GEOCHEMICAL ASSESSMENT REPORT

Nanaimo Mining Division
NTS 92L/5
50° 27' 30"N; 127° 45' W
British Columbia, Canada

By:

Ed McCrossan, P. Geo.
(604) 681-7362
edmccrossan@hotmail.com
www.geocities.com/circlepacific

November 6, 2000

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Topography, Vegetation and Climate	2
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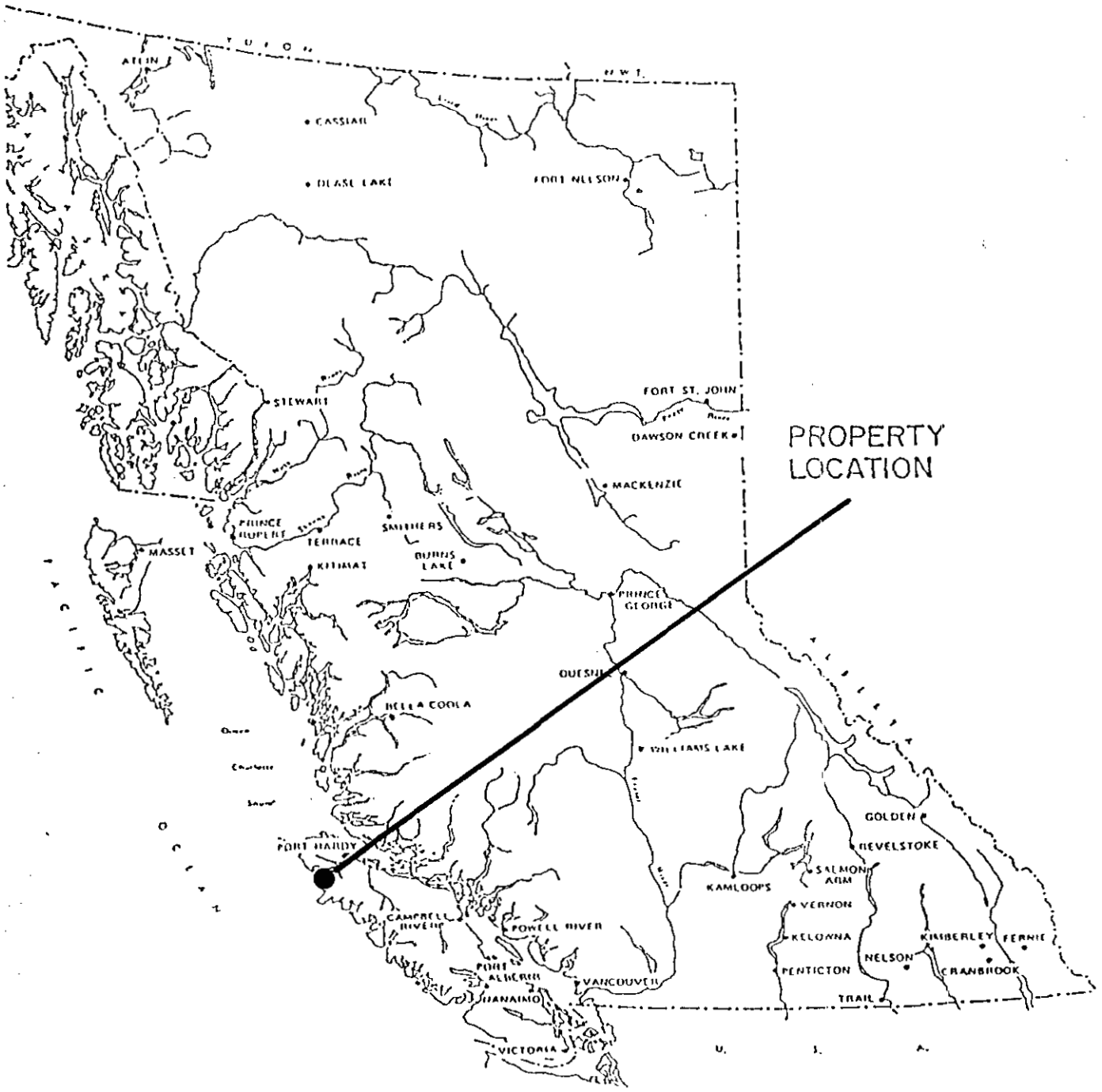
Appendices

1. Analytical Results
2. Rock Sample Descriptions

Figures

1. Location Map (after page 1)
2. Claim Map (after page 2)
3. Geology Map (after page 3)
4. Geochemical Sample Location Map and Assay Results. (after page 4)



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
E. McCROSSAN
GEOSCIENTIST

N

QUEEN CLAIM

LOCATION MAP

N.T.S. 92L/5 Nanaimo M.D., B.C.

0 100 200 400 K.M.

Scale 1:6,000,000	Date :
Drawn by :	Figure No. : 1

Summary

The Queen claim consists of 20 units and is located 20 km west of Port Alice on Vancouver Island, British Columbia, Canada.

The property is underlain by Bonanza Group volcanics and associated sediments of Lower Jurassic age. Island intrusions, dating from the middle Jurassic, are also present on the property.

The Les minfile showing located within the claim consists of disseminated chalcopyrite, pyrite, magnetite and hematite hosted by andesitic volcanics. Previous geochemical sampling results from this area assayed between 0.15 and 0.60% copper.

Since northern Vancouver Island has the potential to host precious metal or polymetallic vein, shear, breccia, carbonate replacement, and/or porphyry related mineral occurrences or deposits, further work including geochemical sampling, geological mapping and geophysical surveys are recommended for the Queen claim.

Introduction

The writer visited the Queen property during October, 2000 and completed a preliminary rock geochemical sampling programme, investigated the Les Minfile showing, and reviewed the local geology.

Location and Access

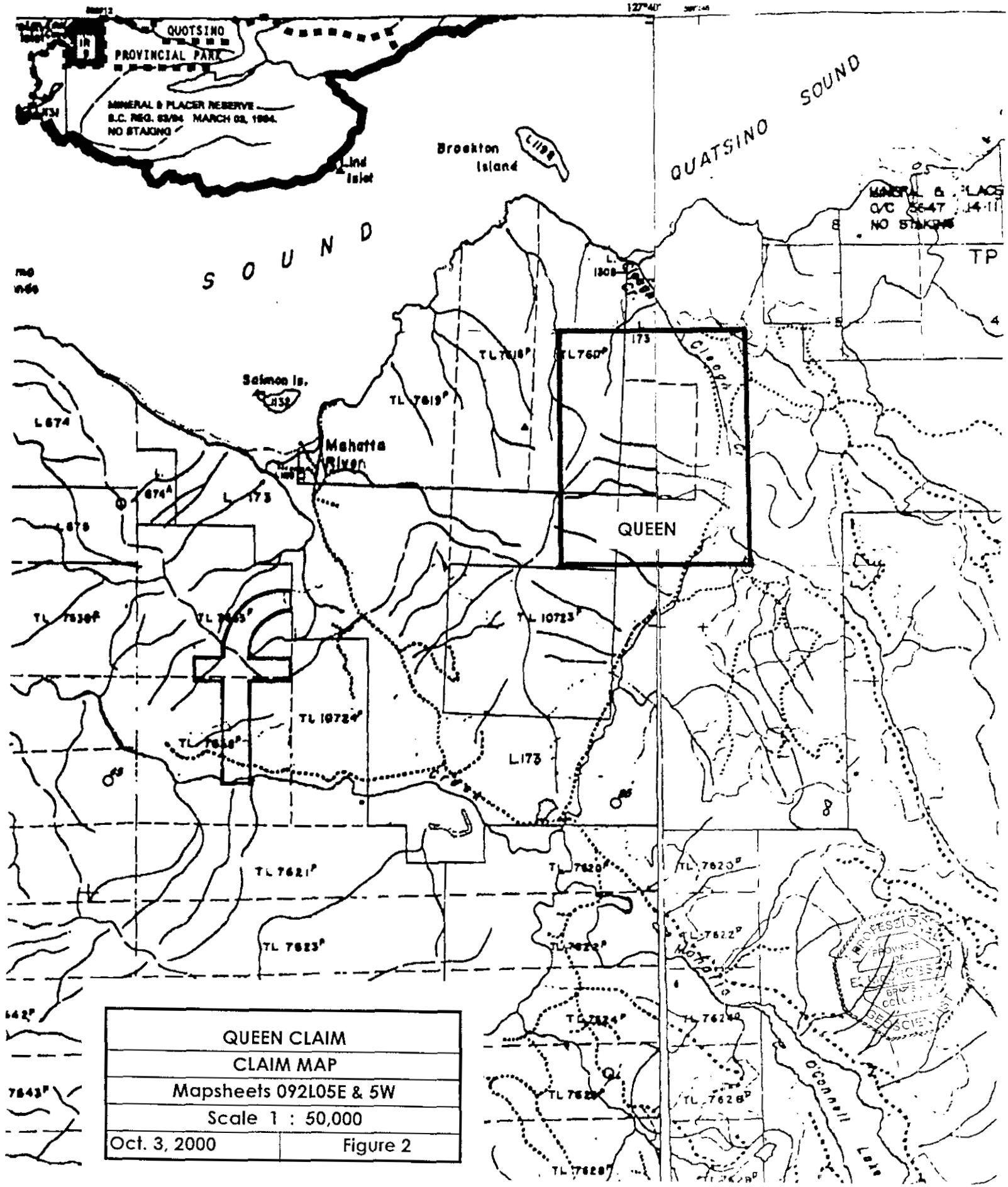
The Queen claim is located 20 km west-northwest of Port Alice on Vancouver Island (Figure 1).

The property is road accessible by Western Forest Products logging roads which begin south of Port Alice on the east side of Neroutsos Inlet.

Claim Data

Claim Name	Tenure #	# of Units	Expiry Date
Queen	380883	20	October 2, 2001

A claim map is included as Figure 2.



QUEEN CLAIM	
CLAIM MAP	
Mapsheets 092L05E & 5W	
Scale 1 : 50,000	
Oct. 3, 2000	Figure 2

Topography, Vegetation and Climate

Topography within the claim area is moderate to steep with elevations ranging between 250 feet (76 meters) and 2,500 feet (760 meters).

Vegetation and climate is typical for the west coast of Vancouver Island.

Second growth vegetation in previously logged areas can be dense and difficult to traverse. Rainfall, at times, can be heavy and continuous.

History and Previous Work

The Les Minfile occurrence (number 092L230) is located within the Queen claim.

The area surrounding the Les showing was investigated during 1969 and 1970 by Skaist Mines Ltd. At that time the company completed geological, geochemical and geophysical surveys.

Regional Geology

The northwestern portion of Vancouver Island is underlain primarily by two thick volcanic-sedimentary cycles:

1. The Vancouver Group of Triassic age which includes the Karmutsen volcanics, the Quatsino limestone and the Parson Bay marine sediments; and
2. The Bonanza Group volcanic assemblage of Lower Jurassic age.

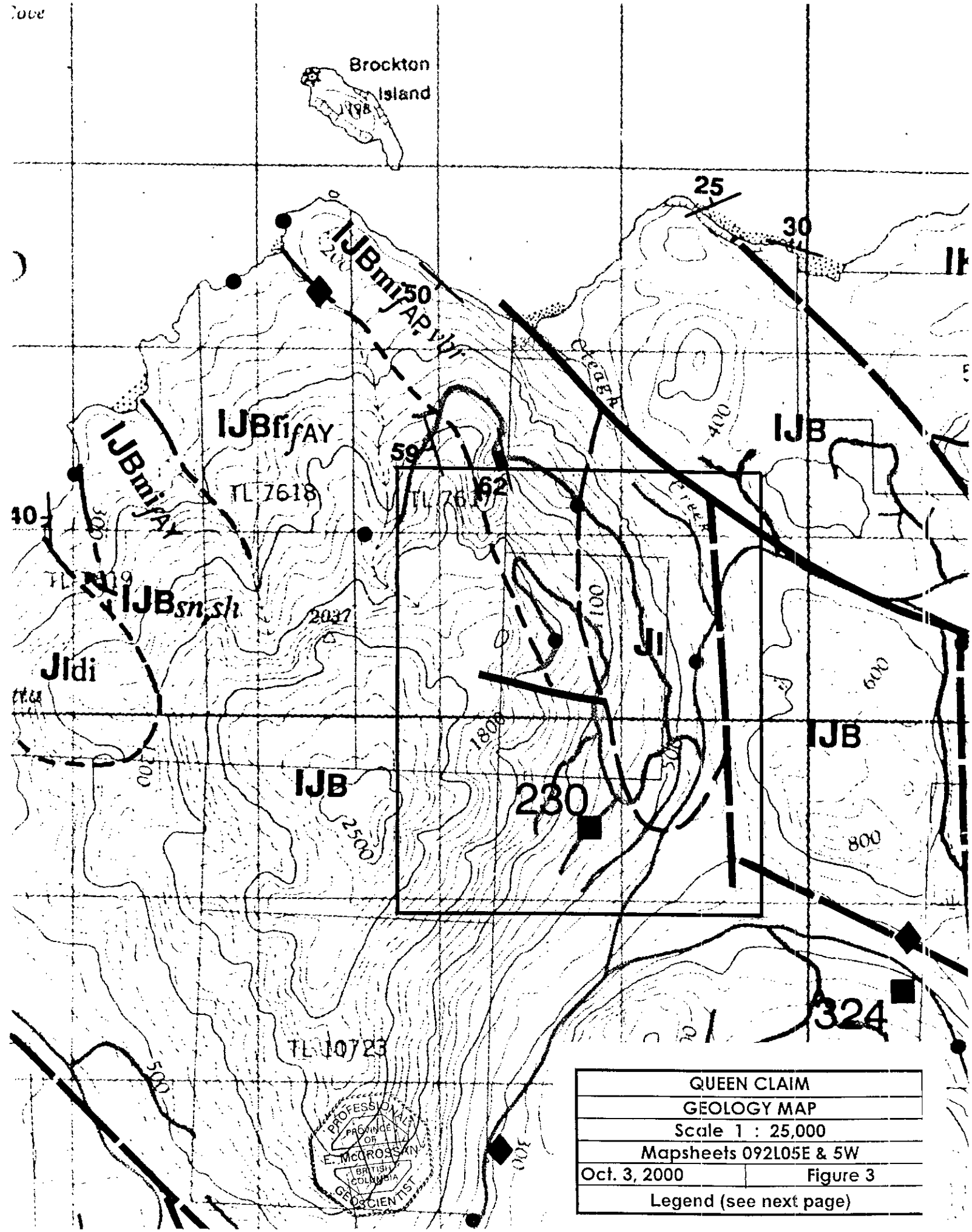
These volcanic-sedimentary packages were intruded by the Island Intrusions during the middle Jurassic.

Northern Vancouver Island has the potential to host precious metal or polymetallic vein, shear, breccia, skarn (carbonate replacement) and/or porphyry related mineral occurrences or deposits.

Local Geology

The Queen claim is underlain by Bonanza Group volcanics and associated sediments of Lower Jurassic age (Figure 3). The volcanic rocks are andesites and rhyodacites and included lavas, tuffs, agglomerates and breccias.

Some of the lavas were amygdaloidal and/or porhyritic, the tuffs were aphanitic and contained lapilli fragments and crystals; and the agglomerates and breccias were primary volcanic facies.



QUEEN CLAIM	
GEOLOGY MAP	
Scale 1 : 25,000	
Mapsheets 092L05E & 5W	
Oct. 3, 2000	Figure 3
Legend (see next page)	

Legend for Figure 3

lKL: lower Cretaceous Longarm Formation; volcanic sedimentary rocks, wackes, sandstone, siltstone, shale, conglomerate.

Jl: early to middle Jurassic Island Plutonic Suite, medium grained, equigranular granitoid rocks

lJB: lower Jurassic Bonanza Group; marine to continental basaltic to rhyolitic lavas, pyroclastic and epiclastic volcanic rocks

m: mafic
i: intermediate
f: felsic
A: aphanitic
P: porphyritic
Y: amygdaloidal
v: volcanic
t: tuff
br: breccia
f: lavas
di: diorite
sn: sandstone
sl: siltstone
sh: shale

_____ __ __ fault, shear, lineation

_____ __ __ geological contact

bedding

230■ Minfile occurrence 092L230

Elevation contours (100 feet)

The Bonanza volcanic sequence was intruded in the northeastern portion of the property by a Jurassic stock having a quartz monzonitic to dioritic composition.

The Les Minfile occurrence, associated with the southwestern margin of the stock, consists of disseminated chalcopyrite, pyrite, magnetite and hematite hosted by andesitic volcanic breccias, lavas and tuffs.

Alteration products associated with the mineralization included chlorite, clays and carbonate, as well as silica and tourmaline. The nearby intrusion was also altered and pyritized.

Mineralization and alteration is widespread on the property and previous chip samples have returned assay values between 0.15 and 0.60% copper.

Predominant structures and contacts on the Queen property that may have influenced mineralization, trend northerly, north-northeasterly and north-northwesterly.

Geochemical Sampling and Assay Results

Fifty rock geochemical grab samples were collected along logging road cut exposures within the Queen Claim. Refer to Figure 4[1] and the Appendices for rock sample locations, analytical results, and sample descriptions.

The samples were analyzed by Acme Analytical Laboratories for 30 elements and gold using the ICP–ES method.

In general, the samples consisted of altered and pyritized Bonanza Group volcanic lithologies taken adjacent to the contact with the monzonitic to dioritic intrusion or within or close to faulted, sheared or fractured areas. Some samples were also taken from the stock-like intrusion.

Geochemical sampling results indicate low level anomalies in copper, molybdenum, zinc, silver and arsenic.

Copper values ranged up to 167 ppm (sample #20476), zinc values were as high as 151 ppm (sample #20566), and arsenic values ranged up to 229 ppm (sample #20496). The highest silver value was 0.7 gpt (sample #20574).

The highest copper assay was obtained close to the Les Minfile occurrence from which previous chip sampling returned analytical results between 0.15 and 0.60% copper (Minfile 092L230, Capsule Geology).

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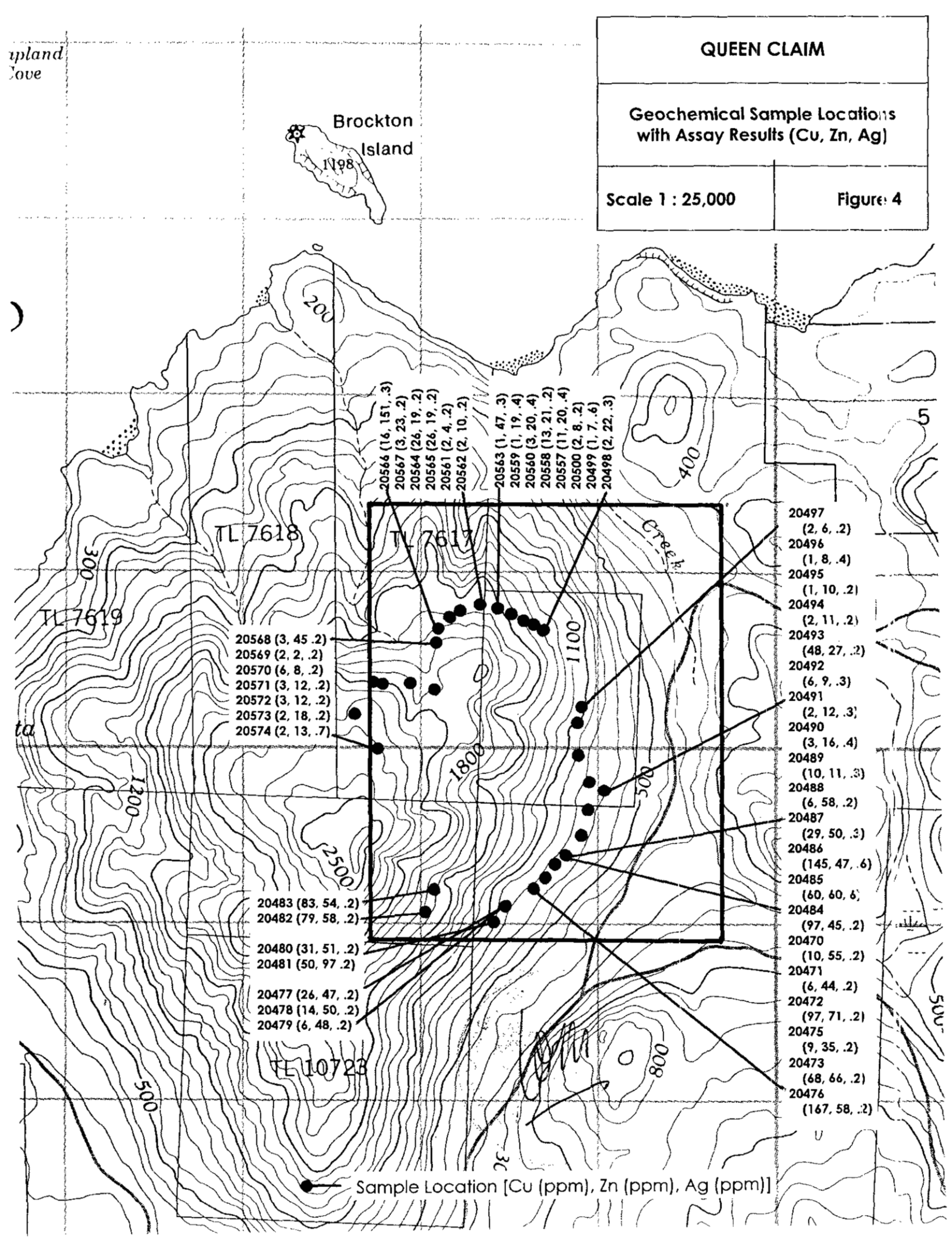
[1] Note that silver assay results less than 0.3 ppm were plotted as 0.2 ppm.


QUEEN CLAIM
Geochemical Sample Locations with Assay Results (Cu, Zn, Ag)
Scale 1 : 25,000
Figure 4
Brockton Island
1198
TL 7618
TL 7617
TL 7619
TL 10723
Creek
20566 (16, 151, .3)
20567 (3, 23, .2)
20564 (26, 19, .2)
20565 (26, 19, .2)
20561 (2, 4, .2)
20562 (2, 10, .2)
20563 (1, 47, .3)
20559 (1, 19, .4)
20560 (3, 20, .4)
20558 (13, 21, .2)
20557 (11, 20, .4)
20500 (2, 8, .2)
20499 (1, 7, .6)
20498 (2, 22, .3)
20568 (3, 45 .2)
20569 (2, 2, .2)
20570 (6, 8, .2)
20571 (3, 12, .2)
20572 (3, 12, .2)
20573 (2, 18, .2)
20574 (2, 13, .7)
20497 (2, 6, .2)
20496 (1, 8, .4)
20495 (1, 10, .2)
20494 (2, 11, .2)
20493 (48, 27, .2)
20492 (6, 9, .3)
20491 (2, 12, .3)
20490 (3, 16, .4)
20489 (10, 11, .3)
20488 (6, 58, .2)
20487 (29, 50, .3)
20486 (145, 47, .6)
20485 (60, 60, 6)
20484 (97, 45, .2)
20470 (10, 55, .2)
20471 (6, 44, .2)
20472 (97, 71, .2)
20475 (9, 35, .2)
20473 (68, 66, .2)
20476 (167, 58, .2)
20483 (83, 54, .2)
20482 (79, 58, .2)
20480 (31, 51, .2)
20481 (50, 97 .2)
20477 (26, 47, .2)
20478 (14, 50, .2)
20479 (6, 48, .2)
Sample Location [Cu (ppm), Zn (ppm), Ag (ppm)]

Conclusions and Recommendations

Northern Vancouver Island has the potential to host precious metal or polymetallic vein, shear, breccia, skarn, carbonate replacement and/or porphyry related mineral occurrences and deposits.

The Island Copper Mine, located 16 km south of Port Hardy and operated by BHP Minerals Canada Ltd. between 1971 and 1994, produced 345 million tonnes of ore averaging 0.41% copper, 0.017% molybdenum, 0.19 gpt gold and 1.4 gpt silver.

Since previous geochemical sampling results from the Queen claim returned between 0.15 and 0.60% copper, further work is recommended for the property.

An initial phase programme of grid emplacement accompanied by geological, geochemical and geophysical surveys should be followed by a second exploration phase of detailed geological surveys and trenching and a third phase of diamond drilling, if warranted.

References

B.C. Ministry of Energy and Mines: Minfile 092L230, Capsule Geology.

Dodson, E.D. 1970: Report on the Les Group of Mineral Claims; Mahatta River, B.C. for Skaist Mines Ltd.

Stokes, R.B. 1970: Geological and Geochemical Report on the Les Claim Group for Skaist Mines Ltd.

Statement of Qualifications

I, Ed McCrossan of 204 – 1225 Barclay Street, Vancouver, British Columbia hereby certify:

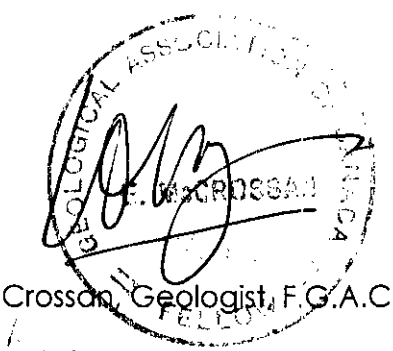
1. I am a graduate of the University of British Columbia (1984) and hold a B.Sc., degree in geology.

2. I have been employed in my profession by various mining companies since graduate and have worked on projects in Canada, U.S.A., Thailand, China, Argentina, Chile, Bolivia, Peru, Venezuela, Central America and Mexico.

3. I am a member of the Society of Economic Geologists, the Canadian Institute of Mining and Metallurgy, a Fellow of the Geological Association of Canada, and a registered member in good standing of the Association of Professional Engineers and Geoscientists of B.C.

4. The information and recommendations contained in this report are based upon a four day site visit and a review of the literature listed in the bibliography.

5. I consent to and authorize the use of the attached report and my name in the Company's Prospectus, Statement of Material Facts or other public documents.



Ed McCrossan, Geologist, F.G.A.C., P.Geo.

DATED at Vancouver, British Columbia this 6th day of November, 2000.

Appendix I

Analytical Results

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

McCrossan, Ed PROJECT NONE File # A003864 Page 1

204 - 1225 Barclay St., Vancouver BC V6E 1H5 Submitted by: Ed McCrossan

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
B 20451	<1	48	7	92	<.3	47	24	1599	6.55	8	<8	<2	2	149	.4	<3	4	172	2.09	.105	18	95	1.86	123	.42	<3	4.10	.35	.09	2	6
B 20452	1	21	14	78	<.3	7	17	1745	4.39	3	<8	<2	2	67	.3	<3	<3	115	3.89	.105	17	18	1.43	105	<.01	3	2.68	.07	.12	<2	5
B 20453	7	66	58	230	<.3	48	46	3285	14.20	10	8	<2	6	20	2.8	5	6	61	.35	.052	39	35	.41	306	.04	5	2.07	.03	.27	<2	4
B 20454	1	16	10	85	.3	7	15	1200	5.27	2	<8	<2	4	69	.4	<3	3	113	4.86	.137	22	16	1.41	92	.01	4	1.64	.11	.10	2	4
B 20455	4	3	8	4	1.1	3	1	98	.47	<2	9	<2	2	2	<.2	<3	<3	4	.04	.004	2	25	.02	10	<.01	8	.06	.01	.01	8	2
B 20456	105	13	303	83	1.4	7	<1	69	1.34	127	10	<2	2	3	.3	35	<3	7	.06	.018	1	20	.02	8	<.01	7	.16	.01	.02	3	4
B 20457	3	14	23	5	.7	1	<1	40	2.96	16	10	<2	<2	18	<.2	8	<3	14	.01	.032	1	18	.01	336	<.01	4	.25	<.01	.04	5	9
B 20458	4	6	53	303	1.0	5	2	2985	.93	4	<8	<2	12	22	2.9	3	3	1	3.16	.015	23	10	.12	50	<.01	7	.67	.01	.43	<2	2
B 20459	3	4	155	155	2.2	1	1	396	.58	5	<8	<2	10	4	.6	6	<3	3	.03	.015	24	8	.01	317	<.01	3	.38	.01	.30	5	<2
B 20460	5	3	<3	6	.7	5	1	85	1.13	60	<8	<2	2	5	<.2	<3	<3	7	.03	.006	10	13	.01	45	<.01	8	.39	.15	.04	<2	3
B 20461	11	2	<3	10	1.3	4	4	141	1.43	26	<8	<2	3	8	<.2	<3	3	7	.21	.008	35	22	.13	25	<.01	24	.35	.07	.09	5	2
B 20462	48	7	<3	1	.6	8	65	26	4.41	9	<8	<2	2	3	<.2	<3	3	3	.01	.004	9	25	.01	16	<.01	7	.21	.14	.03	2	2
B 20463	7	4	<3	9	1.5	2	1	313	1.52	13	<8	<2	3	15	<.2	<3	4	<1	.73	.002	35	19	.47	76	<.01	13	.59	.02	.29	5	3
B 20464	7	3	4	15	.7	6	<1	285	2.37	8	<8	<2	2	8	.2	<3	<3	<1	.26	.003	31	17	.73	87	<.01	5	1.12	.12	.19	<2	<2
B 20465	2	11	7	23	<.3	2	10	751	5.25	9	<8	<2	6	13	.3	<3	5	12	1.18	.243	37	14	1.24	56	.02	4	.91	.11	.04	<2	3
RE B 20465	2	10	6	23	<.3	2	10	761	5.22	10	<8	<2	6	13	.3	<3	5	13	1.18	.242	38	12	1.23	56	.02	5	.89	.11	.03	<2	2
B 20466	10	2	<3	2	.7	5	1	26	1.31	21	<8	<2	2	5	<.2	<3	<3	3	.02	.007	13	14	.04	166	<.01	20	.36	.09	.13	<2	<2
B 20467	4	2	<3	<1	.7	1	<1	17	1.13	52	<8	<2	2	1	<.2	<3	3	2	.01	.003	20	14	.01	16	<.01	4	.23	.08	.09	4	3
B 20468	10	3	4	35	.6	6	<1	148	2.01	19	<8	<2	2	2	<.2	<3	<3	3	<.01	.005	31	14	.07	84	<.01	<3	.58	.14	.14	<2	2
B 20469	5	1	3	22	.7	1	<1	76	1.41	5	<8	<2	4	2	<.2	<3	<3	4	<.01	.003	32	15	<.01	152	<.01	4	.26	.08	.13	6	5
B 20470	1	10	8	55	<.3	67	31	889	6.27	7	<8	<2	<2	27	.3	<3	<3	141	2.37	.082	3	54	3.07	19	.29	15	3.92	.19	.04	<2	3
B 20471	<1	6	<3	44	<.3	115	43	875	8.01	10	9	<2	<2	22	.3	5	<3	228	.34	.062	4	94	4.22	14	.15	<3	3.90	.15	.04	<2	3
B 20472	<1	97	<3	71	<.3	92	48	1175	9.61	4	16	<2	<2	30	.4	<3	<3	176	.75	.051	1	91	4.62	17	.32	<3	4.15	.14	.01	<2	<2
B 20473	<1	68	7	66	<.3	90	56	1315	8.07	9	13	<2	<2	39	.2	<3	<3	191	1.16	.056	2	76	4.11	45	.36	8	4.59	.09	.03	<2	4
B 20474	1	64	13	53	<.3	58	30	945	4.81	8	<8	<2	<2	152	.4	<3	<3	128	1.54	.056	1	68	2.38	20	.36	6	2.67	.08	.03	<2	3
B 20475	2	9	12	35	<.3	5	62	459	5.30	9	<8	<2	<2	10	.4	<3	4	78	.66	.167	5	4	2.18	14	.28	<3	2.20	.22	.01	<2	3
B 20476	7	167	12	58	<.3	18	44	1035	8.72	16	<8	<2	<2	12	.4	4	7	105	.50	.187	10	17	4.05	24	.31	<3	3.89	.17	.01	<2	5
B 20477	3	26	9	47	<.3	4	17	775	6.17	2	<8	<2	<2	19	.2	<3	<3	107	1.11	.165	11	7	2.01	36	.41	7	2.03	.22	.07	<2	<2
B 20478	1	14	<3	50	<.3	2	12	756	5.64	3	<8	<2	<2	23	<.2	<3	<3	98	1.28	.171	11	4	1.93	38	.38	21	1.95	.24	.07	<2	3
B 20479	1	6	5	48	<.3	<1	9	653	5.44	5	<8	<2	<2	22	.2	<3	3	100	1.28	.169	11	4	1.73	30	.36	48	1.80	.24	.08	<2	<2
B 20480	2	31	<3	51	<.3	1	16	848	6.78	5	<8	<2	<2	19	.3	<3	<3	117	1.01	.181	12	5	2.38	31	.45	<3	2.32	.27	.08	<2	4
B 20481	1	50	7	97	<.3	1	13	642	5.56	6	<8	<2	<2	12	.5	<3	3	86	.91	.159	10	3	1.83	24	.36	21	1.72	.17	.08	<2	2
B 20482	1	79	<3	58	<.3	2	16	814	7.06	3	<8	<2	<2	12	.2	<3	3	109	.76	.173	13	4	2.43	34	.42	<3	2.39	.25	.06	<2	3
B 20483	2	83	6	54	<.3	2	14	741	5.74	5	<8	<2	<2	16	<.2	<3	<3	97	.97	.179	11	5	2.08	22	.35	<3	2.02	.24	.06	<2	<2
STANDARD C3/AU-R	26	61	38	167	5.3	39	12	775	3.41	55	21	<2	22	29	22.4	17	24	75	.56	.094	18	160	.62	152	.08	22	1.82	.05	.18	16	495
STANDARD G-2	2	2	4	45	<.3	10	4	547	2.13	<2	8	<2	5	99	.2	<3	<3	40	.72	.104	8	77	.64	282	.13	3	1.29	.19	.60	2	<2

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** GROUP 3B - 30.00 GM SAMPLE ANALYSIS BY ICP-ES.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 2 2000 DATE REPORT MAILED: Oct 12/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
B 20484	<1	97	4	45	<.3	81	65	1011	10.21	15	<8	<2	2	18	.5	<3	3	198	.51	.048	3	82	4.44	34	.44	<3	3.21	.04	.03	3	<2
B 20485	<1	60	7	60	.6	105	78	1785	11.06	20	<8	<2	3	13	.4	<3	<3	236	.54	.050	3	85	6.46	68	.42	<3	4.71	.02	.04	3	5
B 20486	1	156	10	47	.6	96	52	927	7.34	11	<8	<2	2	10	.4	<3	<3	204	.86	.056	2	87	4.38	41	.50	<3	2.71	.04	.03	3	<2
B 20487	1	29	5	50	.3	99	75	1142	8.65	10	<8	<2	2	13	.2	<3	<3	173	.66	.053	2	83	4.59	31	.36	<3	3.22	.04	.03	2	<2
B 20488	<1	6	<3	58	<.3	36	27	917	12.63	12	12	<2	3	23	<.2	<3	3	177	1.98	.042	3	12	1.92	27	.07	7	1.47	.02	.11	2	<2
B 20489	<1	10	3	11	.3	10	5	188	3.22	2	<8	<2	5	9	<.2	<3	<3	53	.44	.091	13	11	.75	6	.14	<3	.62	.08	.01	<2	2
B 20490	<1	3	5	16	.4	12	9	426	4.37	4	<8	<2	5	19	<.2	<3	<3	87	.59	.139	10	18	.85	13	.09	4	.81	.07	.05	<2	<2
B 20491	3	2	8	12	.3	7	12	180	2.94	3	<8	<2	3	5	<.2	<3	<3	28	.20	.062	5	19	.85	5	.07	<3	.72	.07	.01	<2	<2
B 20492	1	6	<3	9	.3	14	10	210	3.73	5	<8	<2	4	3	<.2	<3	<3	50	.15	.093	11	17	1.18	6	.01	<3	1.07	.07	.01	<2	3
B 20493	<1	48	3	27	<.3	6	7	682	3.83	<2	<8	<2	3	10	<.2	<3	<3	47	.34	.210	13	8	.71	15	.02	4	1.16	.05	.03	<2	<2
B 20494	<1	2	<3	11	<.3	1	6	273	3.95	7	<8	<2	3	16	<.2	<3	<3	2	1.10	.197	15	5	.37	8	<.01	3	.30	.08	.02	<2	<2
B 20495	<1	1	3	9	<.3	2	22	112	4.71	148	<8	<2	2	3	<.2	3	<3	1	.34	.205	11	5	.57	9	.02	<3	.68	.08	.01	<2	2
RE B 20495	<1	1	3	10	<.3	2	22	114	4.78	146	<8	<2	3	3	<.2	<3	<3	<1	.34	.206	12	5	.58	10	.02	<3	.69	.08	.01	<2	<2
B 20496	<1	1	3	8	.4	2	19	109	4.72	229	<8	<2	2	3	<.2	<3	<3	1	.34	.203	11	5	.57	8	.03	<3	.66	.09	.01	<2	2
B 20497	1	2	3	6	<.3	3	2	169	2.60	4	<8	<2	3	21	<.2	<3	<3	56	.67	.135	10	10	.50	4	.13	<3	.44	.09	.02	<2	2
B 20498	<1	2	4	22	.3	6	9	423	4.22	34	<8	<2	3	5	<.2	<3	<3	61	.30	.154	13	8	1.30	13	.01	<3	1.48	.07	.03	<2	<2
B 20499	<1	1	<3	7	.6	10	8	694	4.71	218	<8	<2	2	40	<.2	<3	<3	204	6.01	.101	4	16	1.88	14	.16	4901	2.27	.04	.05	<2	<2
B 20500	<1	2	3	8	<.3	3	1	134	.85	2	<8	<2	3	21	<.2	<3	<3	5	.94	.009	8	15	.44	3	<.01	17	.24	.08	.01	7	2
B 20557	1	11	<3	20	.4	1	3	442	5.68	19	<8	<2	3	9	<.2	<3	<3	59	.95	.176	7	4	1.08	10	.28	24	.98	.09	.04	<2	<2
B 20558	<1	13	6	21	<.3	3	22	486	6.27	5	<8	<2	<2	8	.2	<3	<3	65	.69	.216	9	4	1.71	12	.23	<3	1.40	.08	.01	<2	<2
B 20559	<1	1	6	19	.4	<1	16	344	6.59	7	<8	<2	2	11	<.2	3	<3	16	.96	.202	11	5	1.12	8	.01	<3	1.45	.06	.02	2	<2
B 20560	2	3	9	20	.4	1	17	324	8.17	<2	<8	<2	3	9	<.2	<3	4	12	.62	.216	17	1	1.30	5	.01	<3	1.40	.06	.01	2	2
B 20561	2	2	<3	4	<.3	2	2	19	1.96	4	<8	<2	3	2	<.2	<3	<3	7	.01	.027	16	14	.01	4	<.01	<3	.15	.07	.03	2	2
B 20562	18	2	3	10	<.3	3	19	166	2.28	8	<8	<2	<2	2	<.2	<3	<3	5	.01	.022	4	8	.01	11	<.01	<3	.24	.06	.04	4	4
B 20563	<1	1	3	47	.3	5	8	471	4.51	2	<8	<2	3	6	<.2	<3	3	36	.18	.087	14	12	.02	14	.03	<3	.26	.07	.01	3	4
B 20564	19	26	6	19	<.3	4	3	57	1.17	6	<8	<2	<2	6	<.2	<3	<3	14	.07	.045	2	10	.02	10	<.01	5	.48	<.01	.12	<2	<2
B 20565	3	2	<3	32	<.3	3	1	107	1.64	5	<8	<2	5	4	<.2	<3	<3	8	.03	.008	24	17	.05	36	<.01	<3	.25	.03	.23	2	<2
B 20566	1	16	18	151	.3	3	<1	191	1.68	8	<8	<2	2	2	.3	3	<3	3	.02	.002	20	17	.01	29	.01	<3	.15	.07	.04	7	8
B 20567	2	3	3	23	<.3	2	<1	103	1.47	3	<8	<2	9	2	<.2	<3	5	15	.01	.007	100	22	.01	25	.01	<3	.18	.05	.11	3	<2
B 20568	2	3	4	45	<.3	3	<1	421	2.77	14	<8	<2	4	2	<.2	<3	<3	5	.01	.002	35	13	.01	145	<.01	<3	.28	.06	.15	4	2
B 20569	5	2	<3	2	<.3	1	<1	19	.81	3	<8	<2	<2	1	<.2	<3	<3	3	<.01	.001	8	12	<.01	8	<.01	<3	.12	.09	.01	2	2
B 20570	<1	6	3	8	<.3	2	1	34	1.70	4	<8	<2	4	1	<.2	<3	3	6	<.01	.001	26	15	.01	7	<.01	<3	.15	.08	.04	2	2
B 20571	4	3	6	12	<.3	1	6	111	2.40	3	<8	<2	<2	1	<.2	<3	<3	1	.01	.001	13	13	.04	6	<.01	<3	.17	.08	.02	3	<2
B 20572	2	3	4	12	<.3	3	6	119	1.44	<2	<8	<2	5	2	<.2	<3	3	8	.10	<.001	41	25	.01	5	.01	<3	.13	.09	.02	4	4
B 20573	5	2	5	18	<.3	1	<1	120	2.65	3	<8	<2	2	1	<.2	<3	<3	5	<.01	.001	16	8	.01	6	<.01	<3	.19	.07	.02	3	2
STANDARD C3/AU-R	26	65	41	166	5.7	41	12	804	3.56	59	28	2	22	28	24.1	15	25	73	.59	.097	18	169	.64	148	.09	25	1.83	.04	.17	16	481
STANDARD G-2	1	3	6	41	<.3	9	4	555	2.12	<2	<8	<2	6	73	<.2	<3	<3	35	.67	.107	8	76	.63	225	.13	<3	.96	.08	.49	2	<2

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data i FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
B 20574	7	2	3	13	.7	2	1	72	2.29	4	<8	<2	3	1	<.2	<3	3	4	<.01	.001	19	10	<.01	6	<.01	14	.16	.09	.02	3	3
B 20575	2	2	<3	3	<.3	2	2	15	1.11	<2	<8	<2	<2	1	<.2	<3	<3	<1	<.01	<.001	3	11	<.01	5	<.01	6	.12	.09	.02	3	2
B 20576	6	4	<3	26	.3	3	2	184	3.70	5	<8	<2	2	2	<.2	<3	<3	2	.02	.001	17	15	.09	7	<.01	16	.19	.07	.02	4	2
B 20577	6	4	3	29	.7	3	2	206	3.88	5	<8	<2	2	2	<.2	<3	<3	3	.02	.001	16	20	.11	6	<.01	14	.20	.07	.02	4	<2
B 20578	2	25	4	29	<.3	6	16	1003	5.27	4	<8	<2	2	18	<.2	<3	<3	57	1.20	.160	11	28	1.00	27	.23	13	1.94	.17	.08	<2	<2
B 20579	3	5	5	45	.4	4	20	1393	6.24	10	<8	<2	<2	43	<.2	<3	<3	24	5.55	.159	14	6	1.07	18	<.01	9	.53	.03	.17	<2	<2
B 20580	4	3	<3	2	.3	2	1	1373	1.71	3	<8	<2	2	31	<.2	<3	<3	<1	4.31	.014	10	12	.14	10	<.01	9	.26	.04	.15	<2	<2
B 20581	4	12	<3	4	.3	1	<1	242	2.59	8	<8	<2	2	5	<.2	<3	<3	<1	.73	.017	12	14	.16	11	.01	15	1.17	.16	.24	<2	2
B 20582	4	3	5	16	<.3	2	5	516	5.15	4	<8	<2	<2	5	<.2	<3	<3	10	.66	.116	15	9	.39	12	.02	11	1.47	.12	.21	<2	<2
B 20583	4	3	<3	10	<.3	2	3	535	4.05	4	<8	<2	<2	11	<.2	<3	<3	4	.76	.113	14	8	.56	10	<.01	10	.46	.03	.15	2	<2
B 20584	<1	249	<3	52	<.3	9	30	1666	6.06	4	<8	<2	2	11	.3	<3	<3	164	2.56	.061	10	7	.90	20	.02	9	1.93	.05	.08	<2	<2
B 20585	<1	47	<3	125	<.3	55	31	2021	7.06	2	13	<2	<2	22	.3	<3	<3	132	8.67	.071	7	89	.14	31	.01	7	1.34	.02	.13	2	3
B 20586	3	21	<3	48	<.3	4	4	564	2.28	<2	<8	<2	3	11	<.2	<3	<3	13	.47	.012	18	13	.27	21	<.01	7	.82	.10	.04	<2	<2
B 20587	4	149	3	267	<.3	48	38	3443	7.19	14	<8	<2	<2	20	.9	<3	<3	177	4.83	.104	16	86	.08	41	.04	8	1.36	.02	.18	<2	5
B 20588	4	10	<3	40	.3	3	2	412	3.87	3	<8	<2	2	1	<.2	<3	<3	23	.04	.020	27	9	.04	9	<.01	9	.93	.01	.12	<2	3
RE B 20588	4	11	<3	40	.3	3	2	407	3.82	3	<8	<2	2	1	<.2	<3	<3	23	.04	.020	27	8	.04	9	<.01	9	.93	.01	.12	<2	4
B 20589	2	11	<3	9	<.3	4	2	185	.73	<2	<8	<2	<2	8	<.2	<3	<3	17	1.54	.041	6	22	.11	3	.10	4	.25	.09	.01	3	3
B 20590	2	<1	<3	54	<.3	9	23	980	9.19	5	<8	<2	<2	10	.3	<3	<3	230	.78	.094	7	9	2.81	12	.09	6	4.18	.10	.08	2	3
B 20591	1	99	5	171	<.3	29	40	2374	6.87	11	<8	<2	<2	6	1.4	3	<3	138	.18	.068	8	25	.18	62	.01	6	1.27	.05	.09	4	3
B 20592	<1	45	5	63	<.3	27	31	1774	6.90	5	<8	<2	<2	14	.4	<3	<3	225	1.10	.088	6	34	2.69	48	.26	10	3.08	.10	.05	<2	3
STANDARD C3/AU-R	27	67	36	169	5.4	40	12	793	3.47	60	23	<2	23	29	23.8	20	24	74	.57	.095	19	175	.62	154	.08	29	1.87	.04	.17	17	482
STANDARD G-2	2	4	5	44	<.3	9	5	535	2.06	<2	<8	<2	5	84	<.2	<3	<3	34	.66	.104	7	77	.62	255	.13	9	1.06	.12	.53	2	2

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data M FA ___

Appendix II

Rock Sample Descriptions

20470	intermediate volcanic
20471	intermediate volcanic
20472	intermediate volcanic
20473	3 meter chip sample; intermediate volcanic
20474	intermediate volcanic, sheared, altered
20475	intermediate volcanic; sheared, fractured
20476	intermediate volcanic; sheared, fractured
20477	intermediate volcanic
20478	intermediate volcanic
20479	intermediate volcanic
20480	intermediate volcanic
20481	felsic volcanic
20482	felsic volcanic
20483	felsic volcanic
20484	intermediate volcanic; pyritized
20485	intermediate volcanic; pyritized, sheared
20486	1 meter chip sample; intermediate volcanic
20487	intermediate volcanic; pyritized
20488	intermediate volcanic, pyritized
20489	quartz monzonite – diorite
20490	quartz monzonite – diorite
20491	quartz monzonite – diorite
20492	quartz monzonite – diorite
20493	quartz monzonite – diorite
20494	intermediate volcanic; silicified
20495	intermediate volcanic; silicified
20496	intermediate volcanic; silicified
20497	quartz monzonite-diorite
20498	quartz monzonite-diorite
20499	intermediate volcanic
20500	intermediate volcanic; silcified
20557	intermediate volcanic; silcified
20558	intermediate volcanic
20559	intermediate volcanic
25600	intermediate volcanic
20561	intermediate volcanic breccia
20562	intermediate volcanic breccia
20563	intermediate volcanic breccia
20564	intermediate volcanic
20565	intermediate volcanic
20566	volcanic agglomerate
20567	intermediate volcanic; sheared

20568	felsic volcanic
20569	felsic volcanic
20570	felsic volcanic
20571	intermediate volcanic
20572	intermediate volcanic
20573	intermediate volcanic
20574	intermediate volcanic