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PROSPECTORS ASSISTANCE PROGRAM
MINISTRY OF ENERGY AND MINES
GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR: 2001/2002

REPORT #: PAP 01-24

NAME: SHERAN PATERSON

MESOTHERMAL REPLACEMENT AND VEIN DISCOVERY

SPANISH CREEK PROPERTIES

Heart, Hobson 1, 2, 3, 4 claims

2001 Geochemical & Physical Work Report

CARIBOO MINING DIVISION

NTS 93 A/11 W

Lat. 52° 36'
Long. 121° 18'

Owners: Sheran Paterson, Merle Matherly
Box 38, Likely, B. C.
VOL 1NO

Report by: Sheran Paterson
September 21, 2001

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1.0 COVER LETTER :

SPANISH CREEK PROPERTIES is a 600 square hectare **GOLD** prospect overlooking Quesnel Lake, located in the Cariboo-Quesnel Gold Belt 110 kilometers northeast from Williams Lake, north-central British Columbia.

Allegations that this district remains favoured for exploration activities are supported by an extensive mining history backdating to 1800's and recent local mining operations. Nowadays, companies actively explore for **gold**, platinum-palladium and base metal deposits; many recent searches aimed at mafic-ultramafic rock assemblages noted for large tonnage high-grade precious and base metal mines.

Project area lies along Quesnelia tectonostratigraphic terrane defined by the Eureka Thrust Fault, at/or near the top of a regional fold. Ultramafic rocks dominate; are mesothermal origin; are affected by post intrusive metamorphic processes, and locally contact semi-clastics and meta-sediments. Gold, other precious and base metal commodities are related to iron-carbonate alteration and **sulphide** mineralization. Hundreds of metres of **quartz-carbonate gold veins** occur along regional trends.

The most common exploration method applied was rock geochemistry; **gold**, and base metals were first targeted in 1981-1983, when early rock samples revealed anomalous assay values. The terrain is faintly blanketed by shallow overburden and abundant outcrop occurs everywhere; surface exploration still takes place to this day.

Discovery Properties currently consist of 5 contiguous claims totalling 24 units, 600ha², almost entirely clear-cut from logging; these are generally well accessed by old and new roads.

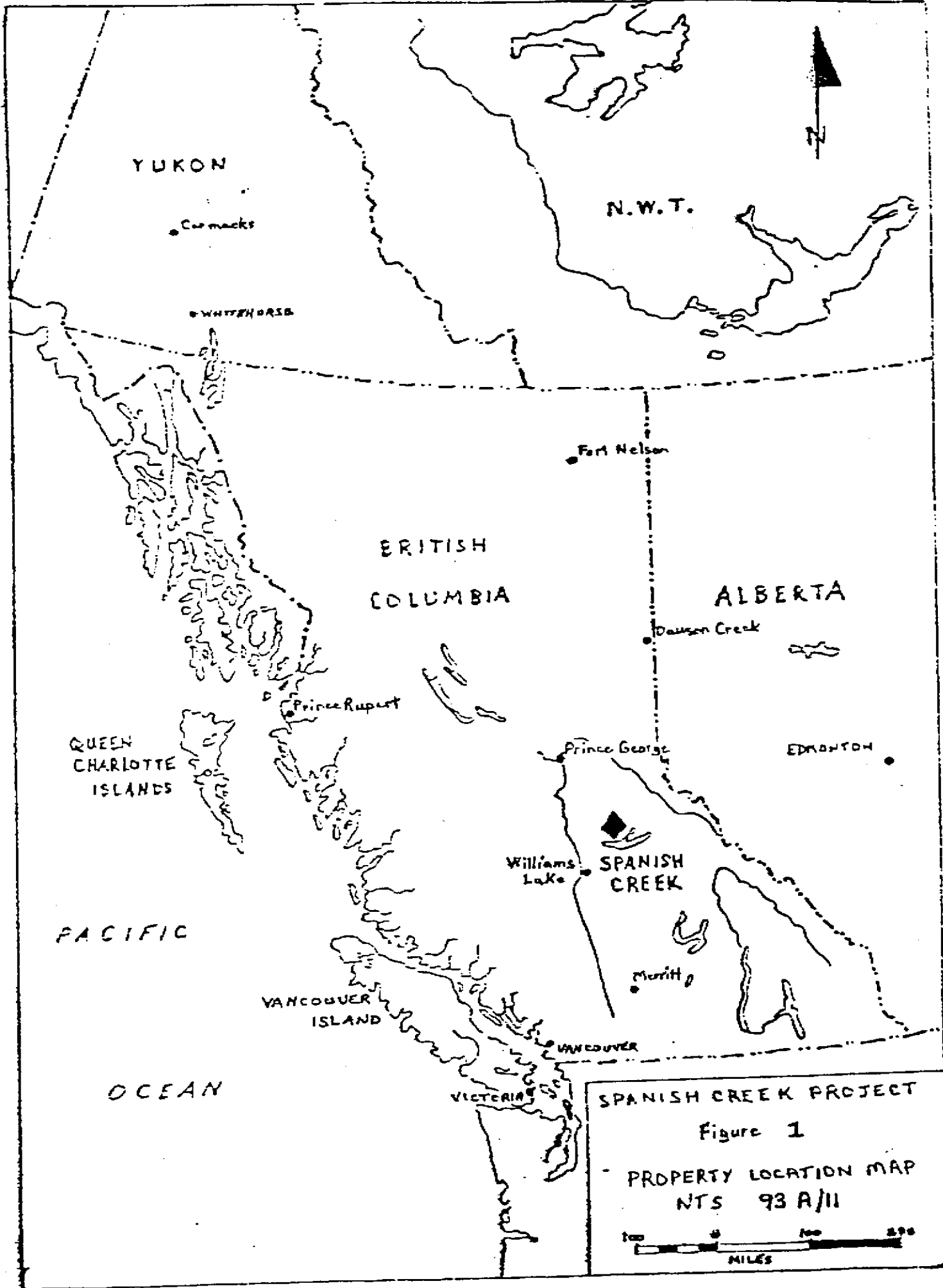
The region is moderate relief in fairly mountainous terrain where reasonable weather for exploration work is expected from end of May to end of October.

The local environment offers plenty of water courses, lakes, is richly forested with evergreen and deciduous tree varieties and is foliated with broadleaf vegetation.

Gold is the primary target; exploration goals are to progressively develop this prospect, a substantial "**Mother Lode**" style discovery to production.

Current focus is HEART claim, Brew West cut block, **MOTHER gold-quartz** shear zone; primarily selected for geologic character, consistent gold values (Assess. 22437, 1992), potential expansion for already significant zone size, much outcrop exposure in shallow overburden, location in cleared and burned log cut and generally good road access.

A preliminary Stage 2 exploration program conducted over **MOTHER gold-quartz** veins was designed to identify gold curve patterns. A 215 excavator trenched 10 cuts over 450m²; 249 rock chip samples were collected, and subsequently 63 samples were submitted to ECO-TECH Laboratories, Kamloops, B.C. for analysis.



SPANISH CREEK PROJECT
Figure 1
PROPERTY LOCATION MAP
NTS 93 A/II

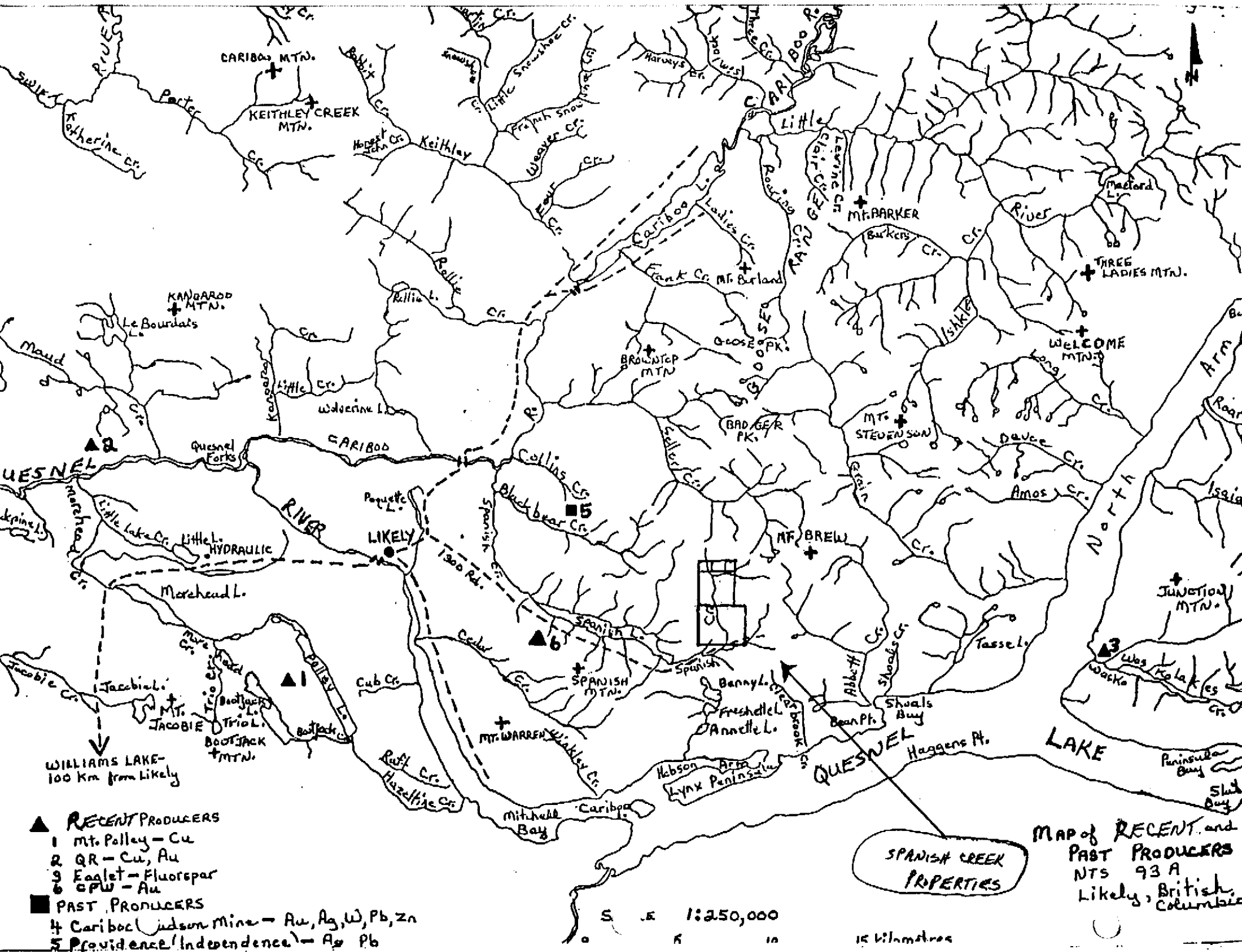
2.0 REGIONAL HISTORY :

The project area has an extensive mining and exploration history, boasting hardrock and placer activity as early as mid 1800's which still continues to this day.

Antiquated local mining sites that once existed: Cariboo Hudson Mine (Au, Ag, W, Pb, Zn)/ Providence, Independence (Ag, Pb)/ Bullion Pit (Au)/ Cedar Creek (Au)/ Golden Horn (Au)/ Kitchener (Au).

Recent deposits in production or near-production: QR Mine, alkali-porphyry-related gold deposit (Au, Cu)/ FRASERGOLD property, basal-phyllite-hosted gold deposit, Quesnel Trough (Au, Ag, Cu, Zn, Pb)/ CPW property, phyllite-hosted gold deposit (Au, Pb, Zn)/ MT. POLLEY MINE, porphyry copper deposit (Cu, Au).

Another recent deposit is the MIRACLE-MURPHY property which is believed similar to Craigmont copper-iron skarn near Merritt, B. C.



3.0 PROPERTY HISTORY :

Gold, other precious and base metals have been targeted as early as 1981-1983, when preliminary investigation showed anomalous silver, lead and gold from analyzed rock samples. Wide-spread gold, silver, copper, lead and zinc in-soil anomalies were identified after completion of four-plus square kilometers of geochemistry, 1989 survey. Reconnaissance geophysics, self-potential method (1994, 1995), determined sulphide mineralization in underlying bedrock.

Outcrop exposure is abundant and occurs everywhere in a light blanket of overburden. Surface exploration, rock geochemistry is the most common exploration method employed.

The 2001 work program described in this report was conducted during the period between June 27, 2001 to August 16, 2001; the exception being staking and acquiring HOBSON 4 claim, June 7 & 8, in order to fulfill obligations to - British Columbia Prospectors Assistance Program.

4.0 LOCATION & ACCESS :

Spanish Creek Properties is located 110 kilometers from Williams Lake and is in north-central British Columbia (Fig. 1).

Access is provided by paved road to the community of Likely from Williams Lake, and remaining 20 kilometers by the 1300, Spanish Lake forestry road.

These properties are cut by the Upper Spanish Creek drainage system that flows into east Spanish Lake. The claims lie on the east flank of Upper Spanish Creek between Mount Brew and Blackbear Mountains. This area is moderate relief and almost entirely logged providing generally excellent access to and through the properties by old and new roads.

5.0 PHYSIOGRAPHY & CLIMATE :

The properties are situated northwest from the north shore of Quesnel Lake. This region is fairly mountainous terrain of moderate relief with elevations averaging 1200 to 1600 metres; an exception being Mount Brew whose height reaches up to 2000 metres.

The local environment offers many water courses, lakes, and is well forested with fir, pine, spruce, cedar and poplar trees, and foliated with broadleaf vegetation. These properties are almost entirely clear-cut from logging activities.

Reasonable weather conditions for exploration work may be expected from end of May to end of October. Winter snowpack can sometimes reach 3 to 5 metres.

6.0 CLAIM STATUS :

The Spanish Creek Properties currently consist of five contiguous claims, totalling 24 units, 600 square hectares (Fig. 3).

Table 1 - Mineral Claim Schedule

CLAIM	UNITS	TENURE	YR. STAKED
HEART	9	368325	Mar. 28, 1999
Hobson 1	1	368327	Mar. 28, 1999
Hobson 2	1	368328	Mar. 28, 1999
Hobson 3	1	368329	Mar. 28, 1999
Hobson 4	12	387064	June 11, 2001

B.B. 9
347593
2NX5W

231149

231130

B.B. 11
347595
4SX5W

HOBSON 3
348329
626575W
2

HOBSON 2
626370W
348329
2

HOBSON 2
348327
601630W
1

HEART
368325
3NX3W

116765

NIC
378247
60/2991E

SOUL
348326
622954W
2

HOBSON 4
387064
3S x 4E
(Tag # 32933)

Spanish

To L. Kelly

Benny
L.

MINERAL CLAIMS MAP
NTS 93 A/11 W
Scale 1:31680
HOBSON 4 claim
Tag # 32933
(12 units/35 x 4E)

7.0 REGIONAL GEOLOGY :

Spanish Creek Properties is located in the Central Intermontane Belt along Quesnellia tectonostratigraphic terrane. This tectonic boundary defined by the Eureka Thrust Fault, may represent a convergent zone between arc-related Quesnel terrane and Barkerville terrane, Omenica Belt, to the east. The project area is centrally situated within Quesnel terrane, a belt of mostly Upper Triassic - Lower Jurassic basic to intermediate volcanic rock that occurs along the eastern margin of the Intermontane Belt. Quesnel terrane is identified by a Crooked Amphibolite basal unit occurring discontinuously along the terrane boundary, and is probably related to Slide Mtn. terrane exposed further north. The base of Crooked Amphibolite defines the Eureka Thrust which appears hook-like around the NAVER PLUTON (northeast Hixon, B.C.), along which mechanical interbedding of amphibolite with adjacent units is visible anywhere that contacts may be exposed. Overprinting relationships of structural elements (bedding, lineations, cleavage) suggest that two folding deformation events occurred regionally. Three major thrust faults recognized in the area and believed to be simultaneous to the first folding deformation, were later overprinted and deformed by second-phase folding structures. The Eureka Thrust is a low-angle, southwest dipping fault at the base of Quesnel terrane, where Crooked Amphibolite discontinues along the terrane boundary, and when absent the fault is immediately overlaid by Triassic metasediments. A third phase of deformation resulted in a spaced cleavage and fracture set overprinting all earlier fold forms. Many steeply-dipping northeast-trending normal faults post-dating regional folding, have been recognized in volcanic sequences somewhat to the west, and high-angle faults recognized in metasediments could be connected to Phase Three deformation.

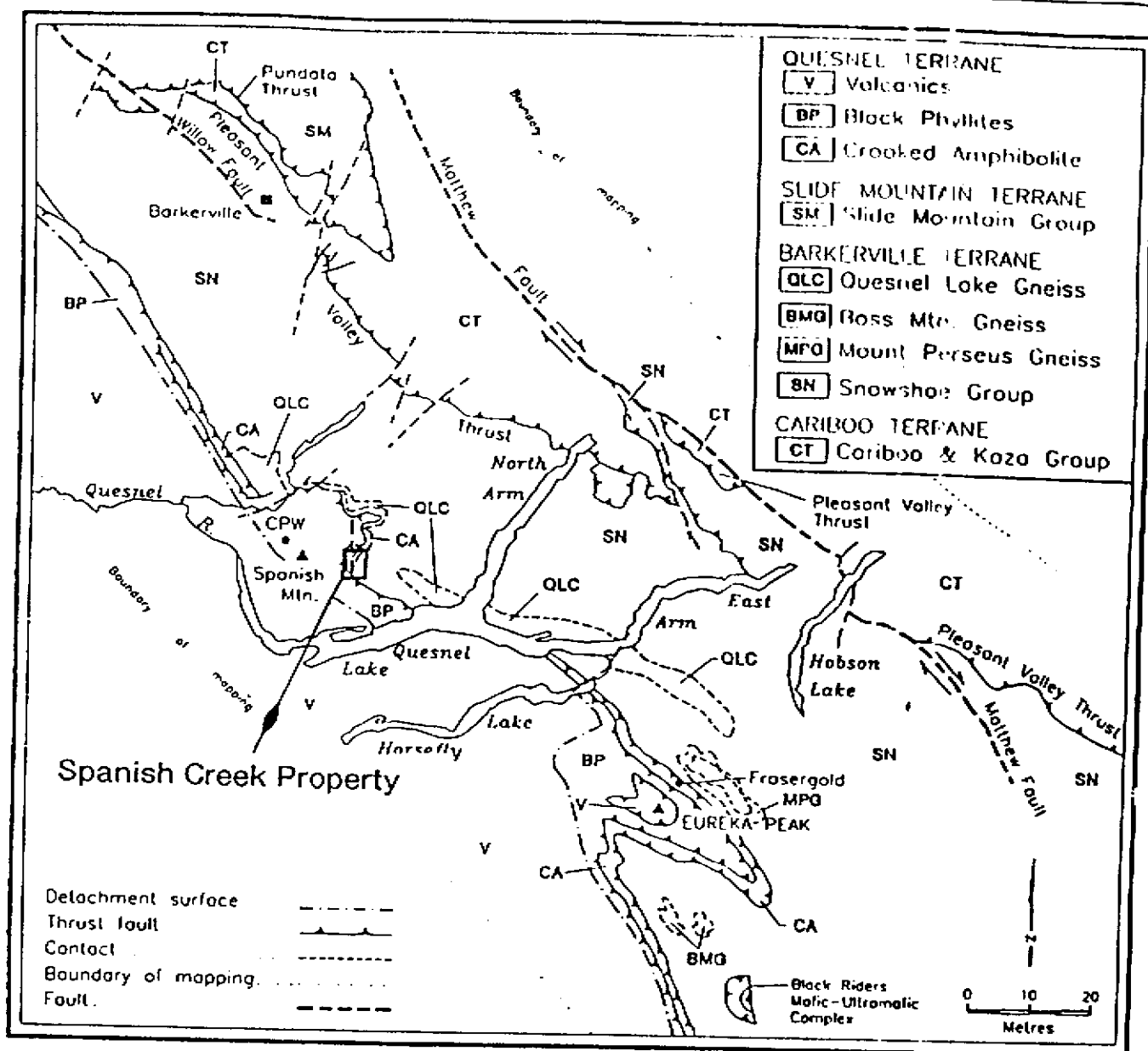
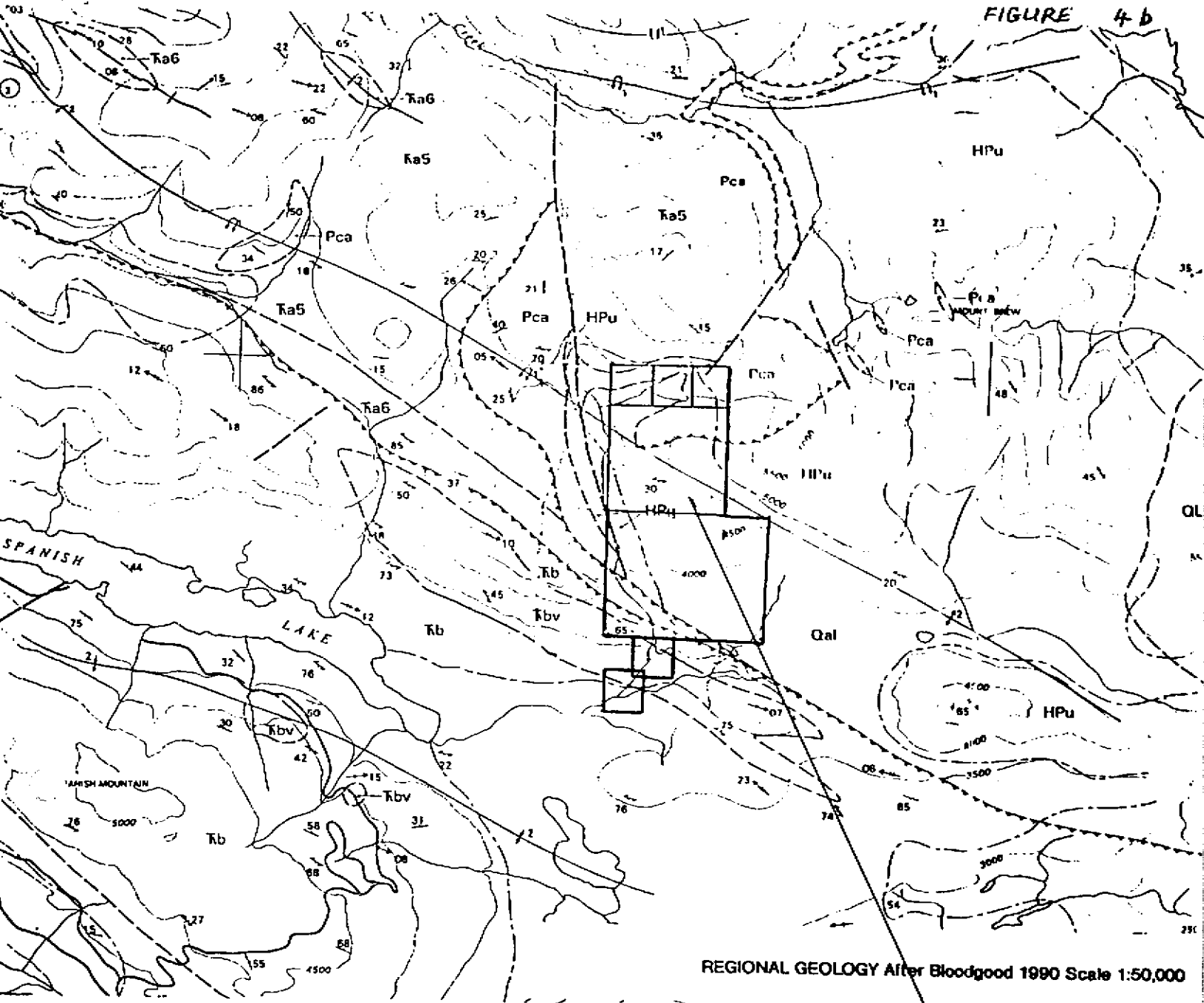


Figure 3. Regional geology of the Quesnel Lake area and the configuration of the Omineca - Intermontane belt boundary defined by the Eureka thrust.



REGIONAL GEOLOGY After Bloodgood 1990 Scale 1:50,000

Revised "2001"
SPANISH CREEK
PROPERTIES

SCALE
1:300,000



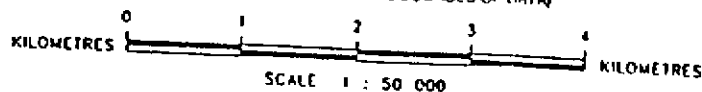


FIGURE 5
PAPEL 1990-3

**GEOLOGY OF THE EUREKA PEAK -
MACKAY RIVER AREA AND THE
SPANISH LAKE AREA
CENTRAL BRITISH COLUMBIA
NTS 93A/7, 11**

BY MARY ANNE BLOODGOOD

(SEE BELOW FOR ADDITIONAL SOURCES OF DATA)



LEGEND

RECENT

QUATERNARY

Qal Till, alluvium, colluvium

INTERMONTANE BELT

MESOZOIC

LATE TRIASSIC - EARLY JURASSIC

NICOLA GROUP

JAb Massive porphyritic flows, breccia and tuff

JKa Massive flows, agglomerates, ashflow tuffs, pillow basalts, mafic dikes and minor limestone

MIDDLE - LATE TRIASSIC

NICOLA GROUP

Kd Volcanic sandstone and wacke

Kc Volcaniclastic

Kb Banded slates and tuffs, minor fissile phyllites and limestone
V. = volcanic flows and tuffs

Ka Black phyllites

ha6 Graphitic black phyllites, with interbedded quartz sandstone and limestone

ha5 Silty slates

ha4 Laminated phyllite and porphyroblastic phyllite

ha3 Phyllitic siltstone

ha2 Micaceous black phyllite and tuff

ha1 Micaceous quartzite

PALEOZOIC

MISSISSIPPIAN - EARLY PERMIAN (?)

Pca Crooked Amphibolite: amphibole - chlorite schist, chlorite - epidote schist, ultramafic nodules

OMINECA BELT

PALEOZOIC

LATE DEVONIAN TO MIDDLE MISSISSIPPIAN

QUEGNET LAKE GNEISS

QLG Quartz feldspar gneiss, augen gneiss

HADRYNIAH AND YOUNGER

SNOWSHOE FM

HPa Alkali feldspar augen gneiss

HPs Pelitic schist, minor quartzite

HPsm Sandy marbles layers and lenses

HPu Undifferentiated

PROTEROZOIC
- E. PALEOZOIC

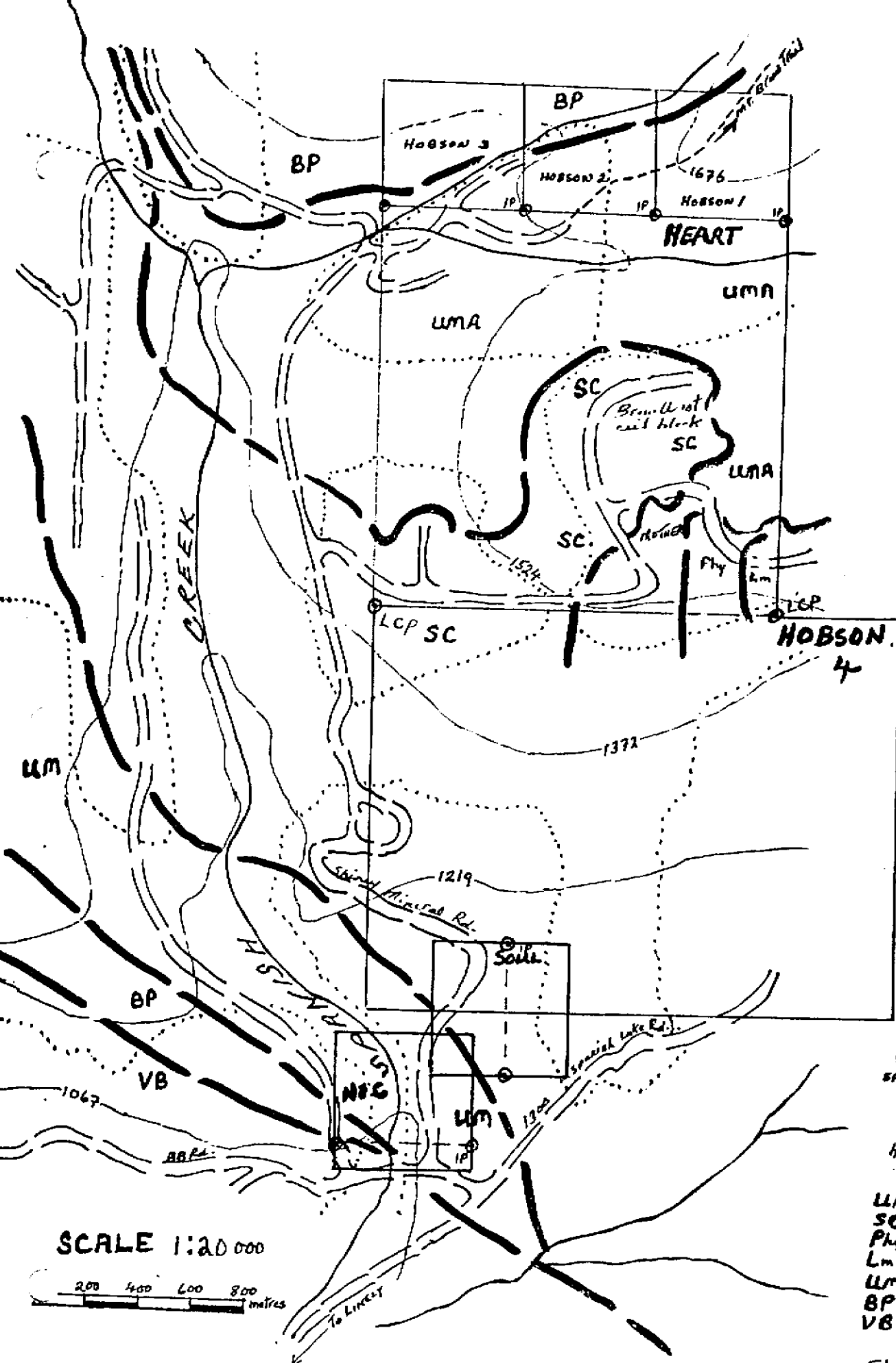
8.0 PROPERTY GEOLOGY :

Project properties are situated along the Eureka Thrust Fault boundary, at/or near the top of a regional fold. An ultramafic assemblage of mesothermal origin occurs over most of the ground and locally is in contact with adjacent seri-clastics and metasediments. Gold is the primary target on this property and is strongly associated to base metal mineralization. Local mineralization is related to iron-carbonate alteration and sulphides.

9.0 MINERALIZED ZONE DESCRIPTION :

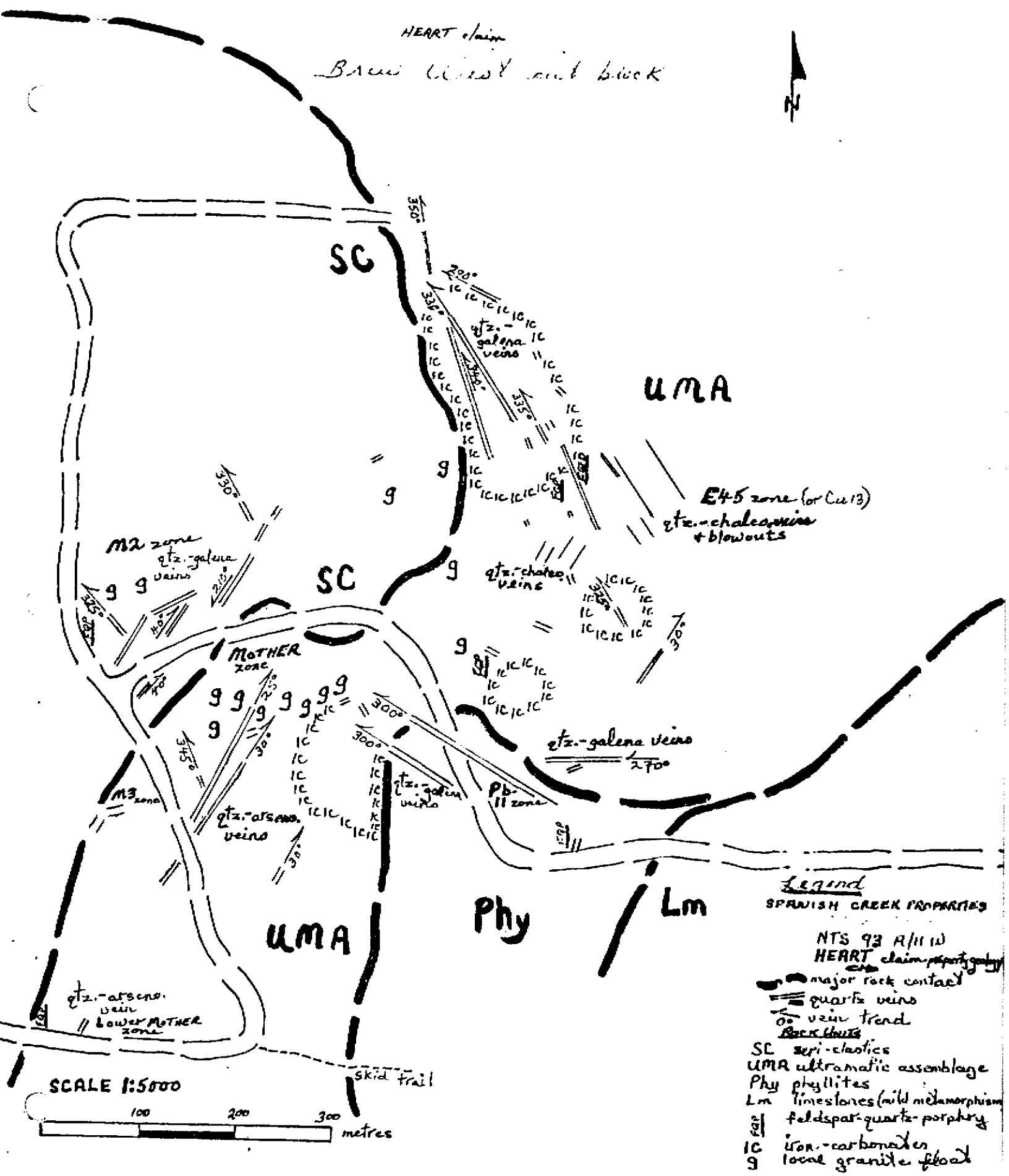
Brew West cut block is about one square kilometer in size : has previously been logged and burned, is generally well accessed by forestry roads; also offers much surface rock exposure in shallow overburden. The project area depicts a central package of seri-clastic material, surrounded by mafic-ultramafics which contact mildly metamorphosed metasediments to the east. This log cut hosts immense quartz-carbonate gold veins; hundreds of metres long, many two-plus metres wide, within iron-carbonate envelopes, and which have distinct mineralization and zoning characteristics: gold-arsenopyrite, gold-chalcopyrite, gold-galena. The system favours the ultramafic intrusive assemblage, and quartz networks anomalous in gold, silver, copper, lead and bismuth cluster along contact zones between ultramafic and seri-clastic or ultramafic and metasediment. Iron-carbonate pods occur in various places within the greenstone unit along with some local granite float. Occasional feldspar-quartz-porphyry bodies are found along contact zones and can occur in any rock unit.

Fig. 5



Legend
 SPANISH CREEK PROPERTIES
 NTS 93A/11W
 Heart + Hobson 1, 2, 3 claims
 + Hobson 4 claim
LOCAL GEOLOGY
 UMA ultramafic assemblage
 SC seric-clastics
 Phy phyllites
 Lm limestone (mild metamorphic)
 UM ultramafics
 BP black phyllites
 VB green volcanic breccia
 Elevations in metres

B. J. H. J. J. J.



by: Sharon Peterson

10.0 MACHINE TRENCHING, GEOCHEMISTRY :

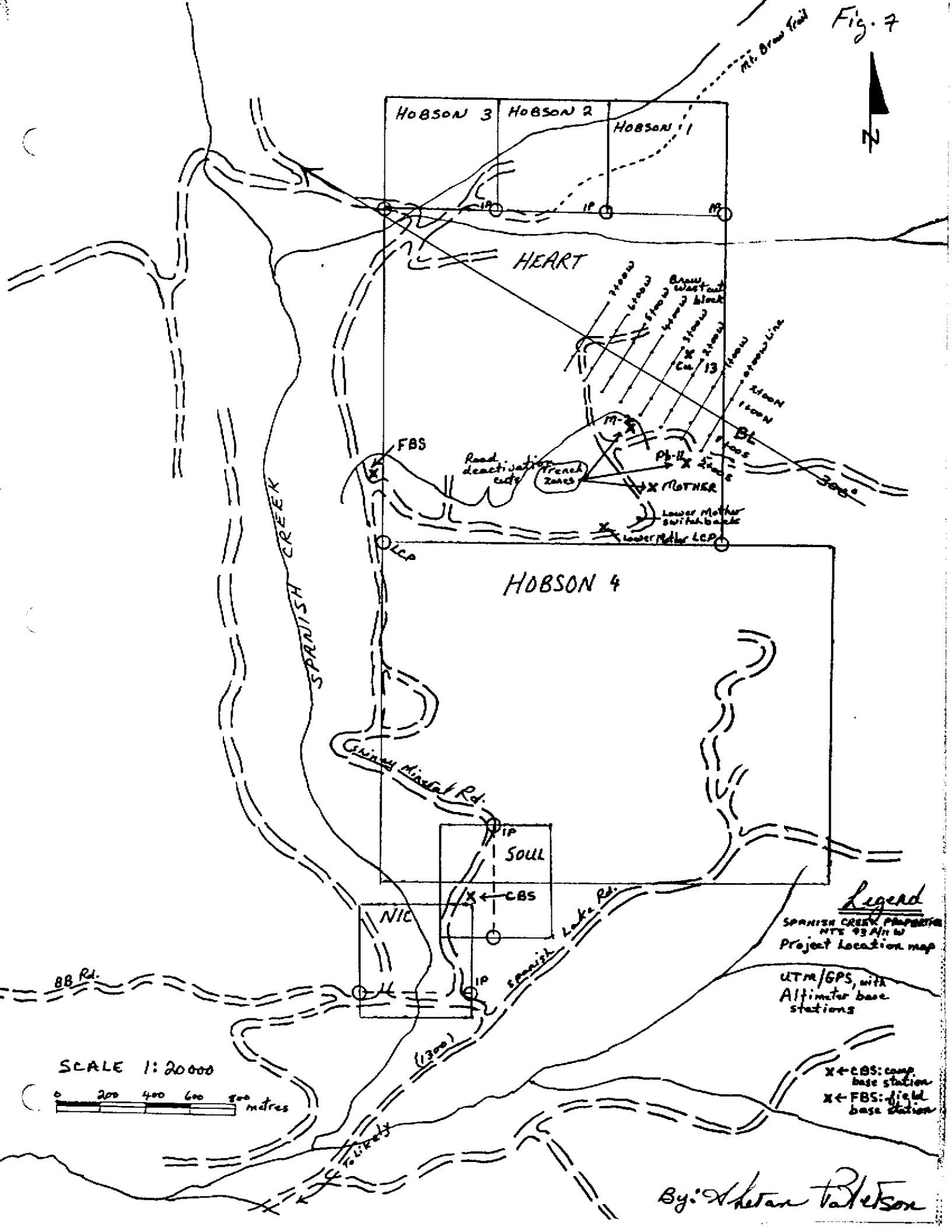
10.1 Field Procedures

Two persons spent 31 days in the field; daily access to designated work sites was by 4x4 pickup. Regular (Eagle Explorer) UTM-NAD 83 and (Thommen) Altimeter readings were recorded at a camp base station and a field base station each morning and afternoon; readings were also recorded at about every 30 metres along trench cuts. Grid setups were compassed and flagged prior to mapping and sampling. SAMPLES: 249 rock chip samples were taken along 2 metre intervals from 10 trench cuts/ 18 rock samples were collected along 3500 line metres from 300° Grid/ 5 rock samples were collected from general reconnaissance of 3 zones. A total of 277 samples were taken; from which 63 trench cut samples were subsequently submitted to ECO-TECH Laboratories, Kamloops, B.C. for analysis.

10.2 Work Programs

- Hobson 4 (12 units, tenure 387064) claim was staked June 7 & 8; registered June 11
- 12 road drainage systems over 2 km were mapped & sampled June 27 & 28; 5 rock samples were collected
- 300° Grid was traverse mapped & sampled over 3500 line metres (L0+00W-L7+00W, 2+00N-2+00S) July 1, 2, 4, 5, 6; 18 rock samples were collected
- Machine work: low-bedded in 215 excavator/ filled 12 road deactivation cuts over 2 km/ cut 10 bucket-width, 1m depth trenches over 450m² (450m³)/ backfilled 10 trench cuts for 452m/ July 17, 18, 19, Aug. 9
- Mapped and rock chip sampled 10 trench cuts: A, B, C, D, G, H, I, J, K, L over 452m²/ A, B, C, D, G trenches were spaced 20m apart, and along with H trench strike @ 305°/ 249 rock chip samples were collected along 2m intervals/ July 21, 22, 23, 29, 30, 31, Aug. 1, 2
- 63 rock samples from B, C, D trench cuts were submitted to ECO-TECH Laboratories, Kamloops, B. C., for ICP multi-element, Au chem & Assay results/ July 25
- General reconnaissance: traverse mapped & sampled Lower Mother massive sulphide zone, Lower Mother gold-quartz zone, Cu-13 copper zone/ 5 rock samples were collected/ Aug. 7, 8
- Mapped & plotted field data, catalogued a total of 277 rock samples (chip & grab)/ Aug. 5, 6, 12, 13, 14, 15
- Low-bedded out 215 excavator back to Bullion Pit/ Aug. 16
- * a) due to heavy rains and possible terrain difficulties, and after a discussion with district geologist - minor revision to trenches was done as seen on following maps
- b) Personal delivery of samples to analytical laboratory was cost-effective/ gas prices versus shipping costs

Fig. 7



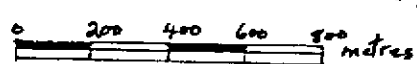
Legend

SPANISH CREEK PROPERTIES
MTS 93 A/H W
Project Location map

UTM/GPS, with
Altimeter base
stations

X ← CBS: camp
base station
X ← FBS: field
base station

SCALE 1:20000



By: Nathan Peterson

11.0 RESULTS & INTERPRETATION :

The geochemical program conducted over HEART claim, Brew West cut block, continues to substantiate previous work: 3 specific mineralized gold patterns were indentified in quartz-carbonate fracture fillings, and significant values were revealed in some wallrock and greenstone. The results provided to date are from 3 trench cuts totalling 106m, over approximately 40m by 40m square area, from which only 63 samples were analyzed. Full comprehension of the program and all resulting data from machine and geochemical work; where trenches cross-cut a contact zone between greenstone and metasediments; cannot be thoroughly understood until analysis of the remaining samples is completed; subject to financing.

Hundreds of metres of mineralized quartz-carbonate veins, many 2m plus width, occur in linear paths along contacts, which indicate their relationship to an extensive greenstone unit contacting seri-clastics to the west, and metasediments to the east. Most veins occur in greenstone and are arsenopyrite-gold, or chalcopyrite-gold; seri-clastics and meta-sediments host galena-gold veins.

Grid mapping and sampling outlined quartz-carbonate networks and identified contact boundaries.

12.0 CONCLUSIONS :

1. Spanish Creek Properties are almost entirely underlain by middle triassic to early jurassic sedimentary and volcanic rocks of the Quesnel Terrane.
2. At least three regional deformation events overprinted area: folds, thrust faults; folds; spaced cleavage and fracture sets, normal & high-angle faults.
3. Mineralization is likely associated with mesothermal metamorphism.
4. The mafic-ultramafic assemblage occurs as an extensive body covering most of the project ground and is sandwiched between seri-clastics and metasediments; also hosts arsenopyrite-gold and chalcopyrite-gold quartz veins.
5. Gold remains a priority target with a strong correlation to base metals.
6. The present targeted zones are open in all directions and are considered more than adequate for further, advanced exploration.
7. Outcrop exposure is extensive over Brew West and many huge quartz vein systems are very visible at surface.

13.0 RECOMMENDATIONS :

Advanced exploration methods are now preferred, in order to carry this ground to potential production. Suggested exploration methods are: geology, machine work (excavator), geochemistry (rock, soil), drilling, and geophysics (IP & VLF).

15.0 STATEMENT OF QUALIFICATIONS :

We, Sheran Paterson and Merle Matherly, Likely, B. C. do certify that:

- 1) We are prospectors and maintain valid free miner's permits.
- 2) We attended a Prospector's Course, Cariboo College, 1979 (instructor: Gary Bysouth, Sr. Geologist, Gibraltar Mines Ltd.).
- 3) We completed the Advanced Mineral Exploration Course for Prospectors: Ministry of Energy, Mines & Petroleum Resources, B. C.; 1981, 1982.
- 4) From 1978 to the present, we have been actively engaged in field exploration.
- 5) We personally executed and supervised work programs as described, and compiled and analyzed resulting data.

TABLE 2

ROAD DEACTIVATION CUT rock samples: & UTM locations

Field smp No. Sample Descriptions

- 0101 - # 6 cut/ blockier greenstone, heavy, blue quartz blebs, epidote in iron-carbonate matrix/ outcrop very rusty, fragmented
- 0102 - # 8 cut/ somewhat weathered greenstone outcrop - heavy, dense, blue quartz blebs, some epidote
- 0103 - # 9 cut/ same as 0102
- 0104 - #10 cut/ massive, heavy, sometimes epidote-rich ultramafics
- 0105 - #11 cut/ heavy, somewhat dense, epidote-rich ultramafics with some quartz-carbonate blebs & lens

<u>Date</u>	<u>Time</u>	<u>Smp.</u>	[Eagle Explorer-UTM NAD 83]		[Thommen]
			<u>Easting,</u>	<u>Northing</u>	<u>Altimeter</u>
June 28	9:13am	0101	06 15 834,	58 28 478	1440
	9:53am	0102	06 16 102,	58 28 497	1470
	10:04am	0103	06 16 173,	58 28 498	1478
	10:33am	0104	06 16 386,	58 28 521	1500
	10:48am	0105	06 16 307,	58 28 617	1512

ROAD DEACTIVATION CUT UTM readings:

<u>Date</u>	<u>Time</u>	<u>Location</u>	[Thommen]	
			<u>UTM-Easting,</u>	<u>Northing</u>
June 28	7:40am	camp BS	06 15 731,	58 26 892
	8:00am	field BS	06 15 169,	58 28 832
	8:31am	cut # 1	06 15 282,	58 28 639
	8:40am	cut # 2	06 15 359,	58 28 580
	8:43am	cut # 3	06 15 467,	58 28 509
	8:48am	cut # 4	06 15 555,	58 28 484
	9:03am	cut # 5	06 15 722,	58 28 504
	9:33am	cut # 7	06 16 017,	58 28 499
	11:14am	cut #12	06 16 301,	58 28 898
	2:45pm	field BS	06 15 193,	58 28 800
	3:21pm	camp BS	06 15 728,	58 26 894

GENERAL RECONNAISSANCE rock samples: & UTM locations

Field smp No.	Sample Descriptions
Lower Mother switchback	- heavy, dense, epidote-rich greenstone, much chalco/ epidote-rich massive sulfide hand-pick
Lower Mother quartz vein	- much iron leach, thick arseno seams in quartz vein/ hand-pick
Cu 13 (a)	- ref. 3000 grid map/ chalco-rich quartz blowout/ hand-pick
Cu 13 (b)	- ref. 3000 grid map/ chalco-rich quartz blowout, 3m west/ hand-pick
Cu 13 (c)	- ref. 3000 grid map/ chalco-rich quartz blowout, 20m west/ hand-pick

<u>Date</u>	<u>Time</u>	<u>Smp.</u>	[Eagle Explorer-UTM NAD 83]		[Thommen]
			<u>Easting,</u>	<u>Northing</u>	<u>Altimeter</u>
June 28	10:20am	- Lower Mother quartz vein	06 16 228,	58 28 490	1478
Aug. 8	10:26am	- Cu 13 (a)	06 16 676,	58 29 107	1479
	10:32am	- Cu 13 (b)	06 16 673,	58 29 108	1478
	10:35am	- Cu 13 (c)	06 16 654,	58 29 125	1475

3000 GRID: rock samples & descriptions: & UTM locations

Field smp No.	Sample Descriptions
0106	- iron-carbonate lens & nodules in talcy greenstone/ line 0+00W, 0+00BL (base station)
0107	- blackish quartz vein / line 0+00W, 1+00N
0108	- minimum 10m length, 1m width - very vuggy quartz vein with leaching iron-carbonate, black leaching metals/ line 1+00W, BL
0109	- much weathered iron-carbonate pod/ line 1+00W, 0+20N
0110	- mixed greenstone, very limy, epidote/ line 1+00W, 1+00N
0111	- quartz blowout with iron-carbonates, chalco & malachite disseminations/ line 1+00W, 1+07N to 1+25N
0112	- Pb-11 quartz vein zone/ galena-rich blue-grey quartz/ line 2+00W, 2+00S
0113	- iron-rich alteration rock mixed with blue quartz eyes & weathered metals/ line 4+00W, BL
0114	- mixed alteration rock with much silica/ line 4+00W, 1+00N
0115	- quartz blowout - chalco & malachite/ line 4+00W, 1+60N
0116	- alteration rock with blue quartz eyes, much iron leach/ line 4+00W, 1+00S
0117	- same as 0116/ line 5+00W, BL
0118	- same as 0116/ line 5+00W, 1+00N
0119	- same as 0116/ line 5+00W, 1+00S
0120	- same as 0116/ line 5+00W, 2+00S
0121	- quartz sweat in iron-rich alteration rock/ line 6+00W, BL
0122	- same as 0121/ line 6+00W, 1+00S
0123	- same as 0121/ line 6+00W, 2+00S

				[Eagle Explorer-UTM NAD 83]		[Thommen]
Date	Time	Smp.	Easting,	Northing	Altimeter	
July 1	10:06am	0106	06 16 743,	58 28 969	1631	
	10:43am	0107	06 16 780,	58 29 053	1631	
July 2	8:53am	0108	06 16 662,	58 28 969	1580	
	9:21am	0109	06 16 670,	58 28 990	1581	
	9:42am	0110	06 16 695,	58 29 062	1586	
	10:11am	0111	06 16 707,	58 29 081	1587	
July 4	10:01am	0112	06 16 500,	58 28 850	1591	
	12:26noon	0113	06 16 388,	58 29 121	1586	
	12:46noon	0114	06 16 425,	58 29 200	1585	
	1:07pm	0115	06 16 449,	58 29 260	1590	
	1:40pm	0116	06 16 348,	58 29 025	1585	
July 5	10:41am	0117	06 16 306,	58 29 151	1575	
	10:57am	0118	06 16 346,	58 29 248	1575	
	11:44am	0119	06 16 261,	58 29 075	1582	
	12:01noon	0120	06 16 227,	58 28 961	1580	
July 6	9:26am	0121	06 16 197,	58 29 205	1580	
	9:58am	0122	06 16 167,	58 29 105	1580	
	10:12am	0123	06 16 118,	58 29 008	1578	

3000 GRID LINE UTM readings: Eagle Explorer-UTM NAD 83/ Thommen Altimeter

<u>Date</u>	<u>Time</u>	<u>Location</u>	<u>UTM-Easting,</u>	<u>Northing</u>	<u>Altimeter</u>
July 1	7:46am	camp BS	06 15 559,	58 26 834	1080
	8:27am	field BS	06 15 148,	58 28 842	1360
	8:55am	Mother QV at Rd.	06 16 276,	58 28 714	1539
	10:06am	L0+00W, BL (BS)	06 16 743,	58 28 969	1631
	10:43am	L0+00W, 1+00N	06 16 780,	58 29 053	1631
	11:31am	L0+00W, 1+00S	06 16 708,	58 28 880	1608
	11:40am	L0+00W, 2+00S	06 16 681,	58 28 803	1579
	12:22noon	field BS	06 15 191,	58 28 805	1360
	12:33noon	camp BS	06 15 735,	58 26 925	1060
July 2	7:34am	camp BS	06 15 728,	58 26 889	1050
	7:58am	field BS	06 15 224,	58 28 796	1330
	8:53am	L1+00W, BL	06 16 667,	58 28 969	1580
	9:42am	L1+00W, 1+00N	06 16 695,	58 29 062	1586
	10:23am	L1+00W, 2+00N	06 16 747,	58 29 158	1579
	10:54am	L1+00W, 1+00S	06 16 638,	58 28 928	1565
	11:08am	L1+00W, 2+00S	06 16 596,	58 28 838	1550
	11:40am	field BS	06 15 187,	58 28 795	1321
	11:54am	camp BS	06 15 721,	58 26 890	1020
July 4	7:34am	camp BS	06 15 724,	58 26 888	1070
	8:00am	field BS	06 15 209,	58 28 797	1360
	8:22am	L2+00W, BL	06 16 552,	58 29 028	1591
	8:57am	L2+00W, 1+00N	06 16 587,	58 29 109	1590
	9:12am	L2+00W, 2+00N	06 16 629,	58 29 189	1605
	9:48am	L2+00W, 1+00S	06 16 532,	58 28 944	1595
	10:01am	L2+00W, 2+00S	06 16 500,	58 28 850	1591
July 4	9:32am	L3+00W, BL	06 16 479,	58 29 075	1591
	10:56am	L3+00W, 1+00N	06 16 515,	58 29 156	1589
	11:11am	L3+00W, 2+00N	06 16 551,	58 29 250	1585
	11:35am	L3+00W, 1+00S	06 16 451,	58 29 001	1590
	11:45am	L3+00W, 2+00S	06 16 410,	58 28 907	1580

<u>Date</u>	<u>Time</u>	<u>Location</u>	<u>UTM-Easting,</u>	<u>Northing</u>	<u>Altimeter</u>
July 4	12:26noon	L4+00W, BL	06 16 388,	58 29 121	1586
	12:46noon	L4+00W, 1+00N	06 16 425,	58 29 200	1585
	1:24pm	L4+00W, 2+00N	06 16 457,	58 29 288	1582
	1:40pm	L4+00W, 1+00S	06 16 348,	58 29 025	1585
	2:00pm	L4+00W, 2+00S	06 16 312,	58 28 934	1580
	2:20pm	field BS	06 15 194,	58 28 803	1382
	2:33pm	camp BS	06 15 727,	58 26 882	1105
	9:48am	camp BS	06 15 729,	58 26 891	1090
	10:09am	field BS	06 15 190,	58 28 798	1370
	10:41am	L5+00W, BL	06 16 306,	58 29 151	1575
July 5	10:57am	L5+00W, 1+00N	06 16 346,	58 29 248	1575
	11:14am	L5+00W, 2+00N	06 16 374,	58 29 331	1579
	11:44am	L5+00W, 1+00S	06 16 261,	58 29 075	1582
	12:01noon	L5+00W, 2+00S	06 16 227,	58 28 961	1580
	12:36noon	field BS	06 15 192,	58 28 804	1370
	12:52noon	camp BS	06 15 730,	58 26 907	1070
	8:34am	camp BS	06 15 729,	58 26 898	1100
	8:57am	field BS	06 15 147,	58 28 853	1380
	9:26am	L6+00W, BL	06 16 197,	58 29 205	1580
	9:40am	L6+00W, 1+00N	06 16 232,	58 29 290	1575
July 6	9:48am	L6+00W, 2+00N	06 16 267,	58 29 379	1570
	9:58am	L6+00W, 1+00S	06 16 167,	58 29 105	1580
	10:12am	L6+00W, 2+00S	06 16 118,	58 29 008	1578
	10:50am	field BS	06 15 189,	58 28 793	1386
	11:06am	camp BS	06 15 732,	58 26 886	1091

B, C, D TRENCH rock chip samples: sampled along 1m depth bucket-width trenches at 2m intervals, SE to NW/ analysis completed at Eco-Tech Laboratories Ltd.

B TRENCH/ C TRENCH/ D TRENCH

Field smp No.	Sample Descriptions
B 3601	- 0-2m, chip/ schisty, rusty weathered iron-carbonates in greenstone, some epidote
B 3701	- 2-4m, chip/ rotten iron-carbonate altered greenstone from 2-3m/ wallrock alteration begins at 3m, some epidote, some fairly large quartz sweats
B 3801	- 4-6m, chip/ same as 3701
B 3901 A	- 6-6.5m, South wallrock
B 3901 B	- 6.5-8m, Quartz vein
B 4001	- 8-10m, chip/ North wallrock
B 4101	- 10-12m, chip/ North wallrock, pale brown & green alteration rock
B 4201	- 12-14m, chip/ pale green schisty greenstone with much rotten iron-carbonate
B 4301	- 14-16m, chip/ rotten iron-carbonate alteration
B 4401 A	- 16-16.5m, South wallrock
B 4401 B	- 16.5-18m/ Quartz vein, hand-pick
B 4501	- 18-20m, chip/ North wallrock
B 4601	- 20-22m, chip/ slippery, rotten, schisty greenstone
B 4701	- 22-24m, chip/ warped, more greasy schisty greenstone
B 4801	- 24-26m, chip/ same as 4701
B 4901	- 26-28m, chip/ same as 4701
B 5001	- 28-30m, chip/ same as 4701
B 5101	- 30-32m, chip/ same as 4701
B 5201	- 32-34m, chip/ same as 4701
B 5301	- 34-36m, chip/ wallrock alteration & minor quartz lens
C 1601 A	- 4m station, hand-pick/ quartz iron-carbonate lens with small metal (chalco-like) blebs in heavy, greasy, much weathered greenstone, some epidote
C 1601	- 0-2m, chip/ much iron-carbonate leach, quartz-carbonate sweats in greenstone
C 1701	- 2-4m, chip/ similar to 1601 - more weathered & iron-carbonated, some malachite stain
C 1801	- 4-6m, chip/ same as 1601
C 1901	- 6-8m, chip/ same as 1601
C 2001	- 8-10m, chip/ more quartz-carbonate lensed than 1601
C 2101	- 10-12m, chip/ same as 1701
C 2201	- 12-14m, chip/ same as 1701
C 2301	- 14-16m, chip/ mix of greasy greenstone, alteration rock hosting small veinlets; much leaching
C 2401	- 16-18m, chip/ quartz lens & sweats, iron leach in denser epidote-rich greenstone
C 2501	- 18-20m, chip/ same as 2401
C 2601	- 20-22m, chip/ same as 2401
C 2701	- 22-24m, chip/ same as 2401
C 2801	- 24-26m, chip/ epidote-rich greenstone to 25.75m

Field smp No.	Sample Descriptions
C 2901 A	- 26.5-27m/ Quartz vein, some rust, iron seams
C 2901 B	- 25.75-26m/ South wallrock
C 2901 C	- 27-28m/ North wallrock
C 3001	- 28-30m, chip/ North wallrock
C 3101	- 30-32m, chip/ North wallrock
C 3201	- 32-34m, chip/ slippery schisty greenstone
C 3301 A	- 34-34.75m/ South wallrock
C 3301 B	- 34.75-35.25m/ Quartz vein
C 3301 C	- 35.25-36m, chip/ North wallrock
C 3401	- 36-38m, chip/ schisty, greasy rotten greenstone with epidote
C 3501	- 38-40m, chip/ same as 3401
D 101	- 0-2m, chip/ fairly dense greenstone, some epidote & black metal blebs, thin iron-carbonate layer
D 201	- 2-4m, chip/ same as 101
D 301	- 4-6m, chip/ rusty, weathered rotten greenstone starts at 4.75m
D 401	- 6-8m, chip/ banded, somewhat rotten, weathering iron-carbonates
D 501	- 8-10m, chip/ same as 401
D 601	- 10-12m, chip/ quite vuggy, epidote-rich, much heavier greenstone; some quartz sweets & lenses with leaching iron
D 701	- 12-14m, chip/ same as 601
D 801	- 14-16m, chip/ same as 601
D 901	- 16-18m, chip/ same as 601
D 1001	- 19m station/ South wallrock, Mother quartz vein
D 1101	- 20m station/ Mother Quartz vein, hand-pick over 1.5m
D 1201	- 22m station/ North wallrock, Mother quartz vein
D 1301	- 24-26m, chip/ Mother quartz vein
D 1401	- 26-28m, chip/ same as 1301
D 1501	- 28-30m, chip/ same as 1301
* D 401 A	- 6m station/ South wallrock
D 401 B	- 6m station/ Quartz vein
D 401 C	- 6m station/ North wallrock

Rock chip samples con't., A TRENCH

Field smp No.	Sample Descriptions
A 5401	- 0-2m, chip/ rotten alteration 0-1m; pale rotten greenstone 1-2m
A 5501	- 2-4m, chip/ heavy, greasy greenstone
A 5601	- 4-6m, chip/ same as 5501
A 5701	- 6-8m, chip/ same as 5501
A 5801	- 8-10m, chip/ same as 5501
A 5901 A	- 10-10.25m/ South wallrock
A 5901 B	- 10.25-11.75m/ Quartz vein
A 5901 C	- 11.75-12m/ North wallrock
A 6001	- 12-14m, chip/ mix wallrock, platy rotten greenstone
A 6101	- 14-16m, chip/ slippery, rotten, heavy greenstone
A 6201	- 16-18m, chip/ same as 6101
A 6301	- 18-20m, chip/ much altered brown rock
A 6401	- 20-22m, chip/ same as 6301
A 6501 A	- 22-23.25m/ South wallrock, rotten, muddy
A 6501 B	- 23.25-25m/ Quartz vein with leaching iron, metal seams & disseminations
A 6601	- 25-26m/ North wallrock - rotten, fractured, gouge-like
A 6701	- 26-28m, chip/ greasy platy greenstone
A 6801	- 28-30m, chip/ same as 6701, much rusty weathered iron-carbonate
A 6901	- 30-32m, chip/ same as 6701
A 7001	- 32-34m, chip/ same as 6701

Rock chip samples con't., G TRENCH

Field smp No.	Sample Descriptions
G 7101	- 0-2m, chip/ heavy, dense, epidote greenstone, some iron disseminations
G 7201	- 2-4m, chip/ same as 7101
G 7301	- 4-6m, chip/ same as 7101
G 7401 A	- 6-7.25m/ South wallrock
G 7401 B	- 7.25-8m/ Quartz vein - highly fractured with pyrite seams, disseminations
G 7501	- 8-10m, chip/ North wallrock, has quartz lens
G 7601	- 10-12m, chip/ heavy dense ultramafics, epidote, some quartz lens & sweats
G 7701	- 12-14m, chip/ same as 7601
G 7801	- 14-16m, chip/ greasy, dense, epidote-rich greenstone; narrow quartz lens, much leaching iron-carbonate
G 7901	- 16-18m, chip/ same as 7801
G 8001 A	- 18-19m, chip/ same as 7801
G 8001 B	- 19-20m, chip/ South wallrock, very fractured, rotten, quartz lensed
G 8101 A	- 20-20.5m/ Quartz vein, some pyrite seams & disseminations
G 8101 B	- 20.5-22m/ North wallrock, has pronounced black stain
G 8201	- 22-24m, chip/ platy greenstone with much leaching iron-carbonate
G 8301	- 24-26m, chip/ same as 8201
G 8401	- 26-28m, chip/ blocky, heavier, dense ultramafics, much leaching iron-carbonate
G 8501	- 28-30m, chip/ same as 8401
G 8601	- 30-32m, chip/ same as 8401
G 8701	- 32-34m, chip/ same as 8401
G 8801	- 34-36m, chip/ platy greenstone
G 8901	- 36-38m, chip/ same as 8801
G 9001	- 38-40m, chip/ same as 8801
G 9101	- 40-42m, chip/ same as 8801
G 9201	- 42-44m, chip/ somewhat heavier, platy greenstone, some epidote, rusty iron-carbonates, some quartz lens & sweats, vuggy crumbly quartz
G 9301	- 44-46m, chip / same as 9201
G 9401	- 46-48m, chip/ same as 9201
G 9501	- 48-50m, chip/ same as 9201
G 9601	- 50-52m, chip/ same as 9201
G 9701	- 52-54m, chip/ same as 9201
G 9801	- 54-56m, chip/ same as 9201
G 9901	- 56-58m, chip/ same as 9201
G 10001	- 58-60m, chip/ same as 9201
G 10101	- 60-62m, chip/ same as 9201
G 10201	- 62-64m, chip/ very platy greenstone with bands of very weathered iron-carbonate lens & sweats
G 10301	- 64-66m, chip/ same as 10201
G 10401	- 66-68m, chip/ same as 10201
G 10501	- 68-70m, chip/ same as 10201

Rock chip samples con't., G TRENCH

Field smp No.	Sample Descriptions
G 10601	- 70-72m, chip/ same as 10201
G 10701	- 72-74m, chip/ greenstone to 73m, then pale alteration to at least 74m
G 10801	- 74-76m, chip/ pale, very heavy iron-rich , brown alteration/ zone of oxidation - continues beyond trench limits
G 10901	- 76-78m, chip/ same as 10801
G 11001	- 78-80m, chip/ same as 10801
G 11101	- 80-82m, chip/ same as 10801
G 11201	- 82-84m, chip/ same as 10801
G 11301	- 84-86m, chip/ blocky, heavy, dense, pale, iron-rich alteration/ quartz sweats, epidote
G 11401	- 86-88m, chip/ same as 11301
G 11501	- 88-90m, chip/ same as 11301
G 11601	- 90-92m, chip/ same as 11301
G 11701	- 92-94m, chip/ same as 11301
G 11801	- 94-96m, chip/ same as 11301
G 11901	- 96-98m, chip/ same as 11301
G 12001	- 98-100m, chip/ same as 11301
G 12101	- 100-102m, chip/ same as 11301
G 12201	- 102-104m, chip/ same as 11301
G 12301	- 104-106m, chip/ same as 11301
G 12401	- 106-108m, chip/ same as 11301
G 12501	- 108-110m, chip/ same as 11301
G 12601	- 110-112m, chip/ same as 11301
G 12701	- 112-114m, chip/ same as 11301
G 12801	- 114-116m, chip/ same as 11301
G 12901	- 116-118m, chip/ same as 11301
G 13001	- 118-120m, chip/ same as 11301
G 13101	- 120-122m, chip/ same as 11301
G 13201	- 122-124m, chip/ same as 11301
G 13301	- 124-126m, chip/ same as 11301
G 13401	- 126-128m, chip/ same as 11301
G 13501 A	- 128-130m/ heavy dense alteration to 129m/ sample: South wallrock 129-129.75m
G 13501 B	- 129.75-130m/ Quartz vein; rusty, rotten, fractured
G 13601	- 130-132m, chip/ sample: North wallrock 130-131m; though greener , rock from 131-132m has same characteristics as 11301 sample
G 13701	- 132- 134m, chip/ same as 11301, but greener
G 13801	- 134-136m, chip/ same as 13701
G 13901	- 136-138m, chip/ same as 13701
G 14001	- 138-140m, chip/ same as 13701
G 14101	- 140-142m, chip/ same as 13701

Rock chip samples con't., H TRENCH

Field smp No.	Sample Descriptions
H 14201	- 0-2m, chip/ rotten, schisty, brown iron-rich alteration rock
H 14301	- 2-4m, chip/ large quartz sweets in heavy, hard, brittle, brown alteration rock
H 14401	- 4-6m, chip/ brown iron-rich, heavy alteration rock, some rotten
H 14501	- 6-7m, chip/ same as 14401
H 14501 A	- 7-7.5m/ South wallrock, very heavy fractured
H 14501 B	- 7.5-7.75m/ Quartz vein, rotten, fractured
H 14501 C	- 7.75-8m/ North wallrock
H 14601	- 8-10m, chip/ rotten, heavy, dense, iron-rich, some epidote
H 14701	- 10-12m, chip/ same as 14601
H 14801	- 12-14m, chip/ same as 14601
H 14901	- 14-16m, chip/ same as 14601
H 15001	- 16-18m, chip/ same as 14601
H 15101	- 18-20m, chip/ same as 14601
H 15201	- 20-22m, chip/ same as 14601
H 15301	- 22-24m, chip/ same as 14601
H 15401	- 24-26m, chip/ same as 14601
H 15501	- 26-28m, chip/ same as 14601
H 15601	- 28-30m, chip/ same as 14601
H 15701	- 30-32m, chip/ same as 14601
H 15801	- 32-34m, chip/ same as 14601
H 15901	- 34-36m, chip/ same as 14601
H 16001	- 36-38m, chip/ same as 14601
H 16101	- 38-40m, chip/ dense, very very heavy, rotten, iron-rich, some epidote
H 16201	- 40-42m, chip/ same as 16101
H 16301	- 42-44m, chip/ same as 16101
H 16401	- 44-46m, chip/ same as 16101
H 16501	- 46-48m, chip/ same as 16101
H 16601	- 48-50m, chip/ same as 16101
H 16701	- 50-52m, chip/ more shaly, platy-like brown alteration rock
H 16801	- 52-54m, chip/ same as 16701
H 16901	- 54-56m, chip/ same as 16701
H 17001	- 56-58m/ South wallrock of 6m wide M-2 quartz vein
H 17101	- 58-60m/ M-2 quartz vein, brittle with vugs, often honeycomb, much rust, metal seams & blebs of visible pyrites
H 17201	- 60-62m, chip/ M-2 quartz vein
H 17301	- 62-64m, chip/ M-2 quartz vein
H 17401	- 64-66m, chip/ North wallrock of M-2 QV
H 17501	- 66-68m, chip/ North wallrock

Roch chip samples con't., H TRENCH

Field smp No. Sample Descriptions

(samples from: 6m quartz vein extension striking @ 240°)

H 17601 A	- 2-4m/ M-2 quartz vein, north side
H 17601 B	- 2-4m/ South wallrock
H 17701 A	- 4-6m/ M-2 quartz vein, north side
H 17701 B	- 4-6m/ South wallrock

(samples from: 10m quartz vein extension striking @ 60°)

H 17801 A	- 6-8m/ M-2 quartz vein, south side
H 17801 B	- 6-8m/ North wallrock
H 17901 A	- 8-10m/ M-2 quartz vein, south side
H 17901 B	- 8-10m/ North wallrock

Rock chip samples con't., I TRENCH

Field smp No.	Sample Descriptions
I 18001	- 0-2m, chip/ platy, layered greasy ultramafics
I 18101	- 2-4m, chip/ same as 18001
I 18201	- 4-6m, chip/ very weathered iron-carbonate rich layers in greasy green schisty rock/ some iron-carbonate layers up to 40cm width
I 18301	- 6-8m, chip/ same as 18201
I 18401	- 8-10m, chip/ more greasy schisty rock, less iron-carbonate
I 18501	- 10-12m, chip/ same as 18401
I 18601	- 12-14m, chip/ same as 18401
I 18701	- 14-16m, chip/ same as 18401
I 18801	- 16-18m, chip/ same as 18401
I 18901	- 18-20m, chip/ same as 18401
I 19001	- 20-22m, chip/ same as 18401
I 19101	- 22-24m, chip/ same as 18401
I 19201	- 24-26m, chip/ minor greenstone, fault gouge-like, very rotten alteration, much leaching iron-carbonate
I 19301	- 26-28m, chip/ same as 19201
I 19401	- 28-30m, chip/ same as 19201
I 19501	- 30-32m, chip/ same as 19201
I 19601	- 32-34m, chip/ same as 19201
I 19701	- 34-36m, chip/ same as 19201
I 19801	- 36-38m, chip/ same as 19201
I 19901	- 38-40m, chip/ same as 19201

Pb-11 zone

Rock chip samples con't.; J, K, L TRENCHES

Field smp No.	Sample Descriptions
J 20001	- 0-2m, chip/ pale, brown, heavy, greasy, rusty dense alteration rock
J 20101	- 2-4m, chip/ same as 20001
J 20201	- 4-6m, chip/ much iron-carbonate layers in brown alteration rock, much oxidation
J 20301	- 6-8m, chip/ same as 20001
J 20401	- 8-10m, chip/ same as 20001
J 20501	- 10-12m, chip/ much weathered, heavier, greasier brown alteration rock
J 20601 A	- 12-13.25m/ West wallrock, heavy, dense
J 20601 B	- 13.25m-14m/ Quartz vein, rusty, some vugs, galena-rich
J 20701	- 14-16m, chip/ East wallrock
K 20801	- 0-2m, chip/ same as J 20001
K 20901	- 2-4m, chip/ same as 20801
K 21001	- 4-6m, chip/ very rusty weathered alteration rock
K 21101 A	- 6-8m, chip/ South wallrock
K 21101 B	- 6-8m/ Quartz vein, heavy, vuggy, rusty, galena-rich
K 21201	- 8-10m/ South wallrock
K 21301	- 10-12m, chip/ same as 21001
K 21401	- 12-14m, chip/ same as 21001
K 21501	- 14-16m, chip/ same as 21001
L 21601	- 0-2m, chip/ same as K 21001
L 21701	- 2-4m, chip/ same as K 21001
L 21801 A	- 4-6m, chip/ East wallrock
L 21801 B	- 6-6.1m/ Quartz vein, rotten, vuggy, much leaching iron
L 21901	- 6.1-8m, chip/ West wallrock
L 22001	- 8-10m, chip/ same as K 21001
L 22101	- 10-12m, chip/ same as K 21001
L 22201	- 12-14m, chip/ same as K 21001

**TRENCHES: D, C, B, A, G, H, I, J, K, L - UTM readings; Eagle Explorer
NAD 83/ Thommen Altimeter**

<u>Date</u>	<u>Time</u>	<u>Location</u>	<u>UTM-Easting,</u>	<u>Northing</u>	<u>Altimeter</u>
July 21	7:00am	camp BS	06 15 725,	58 26 894	1104
	8:50am	field BS	06 15 248,	58 28 772	1380
	10:05am	D Tr. - 0m	06 16 298,	58 28 675	1555
	12:04noon	D Tr. -20m	06 16 279,	58 28 657	1551
	1:40pm	D Tr. -30m	06 16 278,	58 28 659	1550
	2:00pm	field BS	06 15 164,	58 28 790	1395
	2:12pm	camp BS	06 15 735,	58 26 901	1100
July 22	7:00am	camp BS	06 15 729,	58 26 890	1090
	8:04am	field BS	06 15 136,	58 28 879	1380
	9:00am	C Tr. - 0m	06 16 331,	58 28 704	1552
	1:46pm	field BS	06 15 165,	58 28 797	1372
	2:00pm	camp BS	06 15 719,	58 26 888	1090
July 23	11:32am	C Tr. -40m	06 16 290,	58 28 731	1549
July 29	6:57am	camp BS	06 15 726,	58 26 891	1085
	8:21am	field BS	06 15 192,	58 28 803	1365
	11:37am	B Tr. - 0m	06 16 319,	58 28 745	1553
	11:35am	B Tr. -36m	06 16 286,	58 28 757	1552
	12:11noon	field BS	06 15 187,	58 28 800	1365
	1:11pm	camp BS	06 15 705,	58 26 867	1081
	9:25am	camp BS	06 15 728,	58 26 894	1105
	9:47am	field BS	06 15 178,	58 28 827	1391
	10:50am	A Tr. - 0m	06 16 323,	58 28 761	1599
	11:08am	A Tr. -34m	06 16 295,	58 28 773	1599
	1:58pm	field BS	06 15 184,	58 28 783	1400
	2:17pm	camp BS	06 15 737,	58 26 880	1091
	7:16am	camp BS	06 15 727,	58 26 896	1110
	8:16am	field BS	06 15 189,	58 28 802	1399
July 30	12:30noon	G Tr. - 0m	06 16 327,	58 28 774	1581
	12:33noon	G Tr. -30m	06 16 304,	58 28 785	1578
	12:36noon	G Tr. -60m	06 16 281,	58 28 800	1577
	1:56pm	field BS	06 15 189,	58 28 798	1390
	2:26pm	camp BS	06 15 731,	58 26 877	1061
	8:12am	camp BS	06 15 748,	58 26 917	1068
	8:31am	field BS	06 15 191,	58 28 811	1342
	9:16am	G Tr. -90m	06 16 233,	58 28 815	1525
July 31	9:19am	G Tr. -120m	06 16 219,	58 28 834	1526
	12:36noon	G Tr. -142m	06 16 208,	58 28 853	1540
	7:22pm	field BS	06 15 182,	58 28 786	1352
	7:32pm	camp BS	06 15 736,	58 26 888	1062
	6:54am	camp BS	06 15 729,	58 26 893	1070
	9:05am	field BS	06 15 187,	58 28 805	1348
	1:12pm	H Tr. - 0m	06 16 322,	58 28 924	1560
	1:21pm	H Tr. -30m	06 16 295,	58 28 941	1561
Aug. 1	1:24pm	H Tr. -60m	06 16 270,	58 28 959	1560
	3:09pm	field BS	06 15 189,	58 28 804	1360
	3:22pm	camp BS	06 15 716,	58 26 895	1060

TRENCH UTM & Altimeter readings con't.

<u>Date</u>	<u>Time</u>	<u>Location</u>	<u>UTM-Easting,</u>	<u>Northing</u>	<u>Altimeter</u>
Aug. 2	7:17am	camp BS	06 15 730,	58 26 890	1065
	8:41am	field BS	06 15 180,	58 28 794	1355
	5:00pm	I Tr. - 0m	06 16 435,	58 28 960	1569
	4:57pm	I Tr. -40m	06 16 478,	58 28 955	1570
	1:43pm	J Tr. - 0m	06 16 520,	58 28 827	1575
	1:38pm	J Tr. -16m	06 16 529,	58 28 839	1580
	1:54pm	K Tr. - 0m	06 16 512,	58 28 812	1572
	1:58pm	K Tr. -16m	06 16 493,	58 28 802	1569
	2:04pm	L Tr. - 0m	06 16 515,	58 28 804	1572
	2:08pm	L Tr. -14m	06 16 509,	58 28 789	1570
	5:23pm	field BS	06 15 193,	58 28 824	1365
	5:41pm	camp BS	06 15 675,	58 26 852	1060

App. 2

Eco-Tech

LABORATORIES LTD.

Date Received July 25/01.

☐ Railway Street & 6th Avenue, P.O. Box 937, Stewart, B.C. Canada
V0T 1W0 • Telephone (604) 636-2580

Date Shipped: _____

Special Instructions: if Au chem is 1000 ppb or greater, then
assay for Au, Pt, Pd

☐ FAX Results to # () _____ - _____[illegible]

* IF NOT MARKED, PULP IS DISCARDED AFTER 90 DAYS.

☐ Fax: (250) 563-2148

2-Aug-01

ECO-TECH LABORATORIES LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2001-214

SHINEY MINERAL RESOURCES
BOX 38
LIKELY, BC
V0L 1N0

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 63
Sample type: Rock
Project #: None Given
Shipment #: None Given
Samples submitted by: Shiney Mineral

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	B-36 01	25	<0.2	2.35	<5	40	<5	0.05	<1	42	141	68	8.13	<10	1.95	1696	2	0.03	35	490	8	<5	<20	2	<0.01	<10	213	<10	<1	39
2	B-37 01	<5	<0.2	3.36	<5	55	<5	0.06	<1	35	132	53	6.98	<10	2.85	1420	<1	0.03	43	540	12	<5	<20	<1	<0.01	<10	210	<10	<1	45
3	B-38 01	20	<0.2	3.46	35	110	<5	0.02	<1	60	143	119	>10	<10	2.21	2192	1	0.02	49	700	10	<5	<20	<1	<0.01	<10	321	10	<1	61
4	B-39 01 A	15	<0.2	0.92	45	70	<5	0.01	<1	43	96	56	7.64	<10	0.18	1845	2	0.03	69	770	<2	<5	<20	<1	<0.01	<10	51	<10	<1	74
5	B-39 01 B	260	<0.2	0.08	60	<5	<5	<0.01	<1	2	167	14	1.51	<10	0.02	97	1	<0.01	8	70	12	<5	<20	<1	<0.01	<10	15	<10	<1	6
6	B-40 01	10	<0.2	3.08	30	105	<5	<0.01	<1	39	114	89	6.40	<10	2.23	1688	<1	0.02	56	310	8	<5	<20	<1	<0.01	<10	94	<10	<1	78
7	B-41 01	15	<0.2	2.61	35	65	<5	0.02	<1	30	90	73	5.60	<10	2.14	1068	<1	0.03	35	260	8	<5	<20	<1	<0.01	<10	82	<10	<1	47
8	B-42 01	10	<0.2	2.76	15	85	<5	0.06	<1	27	83	66	5.28	<10	1.98	1137	1	0.03	29	250	8	<5	<20	1	<0.01	<10	99	10	<1	50
9	B-43 01	25	<0.2	2.90	20	90	<5	0.02	<1	38	128	32	6.23	<10	2.03	1409	3	0.05	54	380	8	<5	<20	2	<0.01	<10	77	<10	<1	79
10	B-44 01 A	30	<0.2	1.63	35	45	<5	<0.01	1	39	99	178	6.89	<10	0.71	1213	3	0.03	32	590	6	<5	<20	<1	<0.01	<10	53	10	<1	61
11	B-44 01 B	430	0.6	0.14	995	<5	<5	0.01	1	14	130	24	>10	<10	0.02	126	7	<0.01	15	370	50	<5	<20	<1	<0.01	<10	55	10	<1	46
12	B-45 01	15	<0.2	2.81	30	70	<5	0.05	<1	34	123	99	6.32	<10	2.20	1448	1	0.03	43	570	10	<5	<20	<1	<0.01	<10	153	<10	<1	68
13	B-46 01	5	<0.2	4.07	15	65	<5	0.06	<1	36	122	123	6.67	<10	3.51	1486	<1	0.02	45	580	8	<5	<20	<1	<0.01	10	221	<10	<1	78
14	B-47 01	10	<0.2	4.00	15	75	<5	0.09	<1	35	100	108	6.83	<10	3.50	1968	2	0.01	41	710	8	<5	<20	<1	<0.01	<10	143	<10	<1	94
15	B-48 01	15	<0.2	4.23	10	50	<5	0.08	<1	38	161	117	6.51	<10	3.82	1470	<1	0.01	60	560	6	<5	<20	<1	<0.01	<10	111	<10	<1	126
16	B-49 01	10	<0.2	3.77	10	40	<5	0.07	<1	31	158	125	5.74	<10	3.47	1835	3	0.02	38	540	8	<5	<20	<1	<0.01	<10	138	<10	<1	64
17	B-50 01	240	<0.2	4.71	15	35	<5	0.07	<1	57	146	204	7.93	<10	4.49	2383	5	0.01	57	610	10	<5	<20	<1	0.01	<10	186	<10	<1	82
18	B-51 01	5	<0.2	4.71	5	20	<5	0.11	1	36	144	82	7.49	<10	4.37	2240	4	0.01	43	840	10	<5	<20	<1	0.01	<10	204	<10	<1	77
19	B-52 01	790	<0.2	4.81	20	30	<5	0.05	<1	47	194	212	7.58	<10	4.44	1784	<1	0.01	56	460	8	<5	<20	<1	<0.01	<10	244	<10	<1	83
20	B-53 01	15	<0.2	3.56	15	25	<5	0.06	1	33	154	68	5.82	<10	3.12	1317	1	0.01	45	600	8	<5	<20	<1	<0.01	<10	110	<10	<1	57

SHINEY MINERAL RESOURCES

ICP CERTIFICATE OF ANALYSIS AK 2001-214

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	C-16 01	30	<0.2	3.27	5	30	<5	0.07	<1	35	117	383	6.61	<10	2.87	1619	<1	0.02	38	520	8	<5	<20	<1	<0.01	<10	142	<10	<1	57
22	C-16 01 A	105	<0.2	0.44	<5	<5	<5	5.89	1	26	72	923	6.84	<10	0.59	1642	2	0.05	30	50	6	<5	<20	58	<0.01	<10	158	<10	<1	28
23	C-17 01	120	<0.2	1.12	5	25	<5	0.04	<1	42	108	784	9.38	<10	0.76	2345	3	0.04	42	210	8	<5	<20	<1	<0.01	10	171	<10	<1	45
24	C-18 01	55	<0.2	1.95	<5	15	<5	0.94	<1	31	100	480	6.54	<10	1.61	1602	<1	0.04	37	280	8	<5	<20	3	<0.01	<10	118	<10	<1	48
25	C-19 01	10	<0.2	3.56	10	25	<5	0.05	<1	36	98	29	6.32	<10	2.90	1437	<1	0.02	34	460	6	<5	<20	<1	<0.01	<10	101	<10	<1	79
26	C-20 01	20	<0.2	3.46	15	40	<5	0.06	<1	36	105	126	6.35	<10	2.91	2020	<1	0.02	40	590	10	<5	<20	<1	<0.01	<10	145	<10	<1	161
27	C-21 01	25	<0.2	4.71	15	35	<5	0.11	<1	38	85	79	6.49	<10	4.27	2105	1	0.01	34	740	12	<5	<20	<1	<0.01	<10	140	<10	<1	134
28	C-22 01	15	<0.2	3.01	10	25	<5	0.15	<1	25	133	37	4.44	<10	2.59	846	<1	0.02	26	450	4	<5	<20	<1	0.05	<10	98	<10	<1	44
29	C-23 01	15	<0.2	2.63	<5	60	5	0.02	<1	33	182	52	6.18	<10	1.96	1353	3	0.02	50	510	8	<5	<20	<1	<0.01	<10	110	<10	<1	50
30	C-24 01	15	<0.2	3.71	10	60	<5	0.07	<1	30	271	51	5.12	<10	3.57	1046	<1	0.02	76	490	10	<5	<20	<1	0.01	<10	126	<10	<1	48
31	C-25 01	10	<0.2	4.86	25	20	<5	0.11	<1	35	326	27	5.99	<10	5.09	954	<1	0.02	104	400	12	<5	<20	<1	0.06	<10	174	<10	<1	53
32	C-26 01	10	<0.2	4.13	10	35	<5	0.14	<1	36	128	54	5.88	<10	3.87	997	<1	0.02	42	570	8	<5	<20	<1	0.07	<10	205	10	<1	50
33	C-27 01	10	<0.2	4.28	20	60	<5	0.11	<1	34	123	39	6.28	<10	3.40	916	<1	0.02	40	600	10	<5	<20	<1	0.03	<10	163	10	<1	48
34	C-28 01	15	<0.2	3.29	20	105	<5	0.02	1	39	94	64	7.18	<10	2.34	1551	1	0.02	40	510	4	<5	<20	<1	<0.01	<10	116	<10	<1	63
35	C-29 01 A	>1000	0.2	0.11	150	<5	<5	<0.01	<1	14	169	17	4.33	<10	0.02	124	2	<0.01	17	150	4	<5	<20	<1	<0.01	<10	15	<10	<1	9
36	C-29 01 B	10	<0.2	0.89	35	80	<5	0.02	1	42	99	89	8.07	<10	0.23	1814	1	0.02	43	770	<2	<5	<20	2	<0.01	<10	47	<10	<1	90
37	C-29 01 C	110	<0.2	0.62	135	40	<5	<0.01	1	41	183	71	6.31	<10	0.07	1262	4	0.02	105	460	52	<5	<20	<1	<0.01	<10	36	<10	<1	86
38	C-30 01	75	<0.2	1.40	65	65	<5	0.02	<1	51	103	102	8.35	<10	0.36	1378	2	0.04	92	680	8	<5	<20	2	<0.01	<10	70	<10	<1	116
39	C-31 01	10	<0.2	2.25	15	80	<5	0.01	1	41	202	59	7.39	<10	1.31	1406	<1	0.04	76	410	6	<5	<20	<1	<0.01	<10	127	<10	<1	89
40	C-32 01	15	<0.2	4.23	15	55	<5	0.06	<1	37	114	69	7.22	<10	3.11	1060	<1	0.02	47	350	16	<5	<20	<1	0.02	<10	199	<10	<1	70
41	C-33 01 A	20	<0.2	1.54	35	50	<5	<0.01	<1	42	102	53	7.36	<10	0.67	1457	<1	0.02	59	550	6	<5	<20	<1	<0.01	<10	76	<10	<1	71
42	C-33 01 B	795	0.4	0.09	175	15	<5	<0.01	1	7	141	52	4.20	<10	0.01	294	4	<0.01	12	130	6	<5	<20	<1	<0.01	<10	12	<10	<1	16
43	C-33 01 C	15	<0.2	1.35	25	50	<5	0.01	1	33	101	88	7.80	<10	0.48	1102	1	0.02	44	830	6	<5	<20	<1	<0.01	<10	58	<10	<1	59
44	C-34 01	10	<0.2	4.09	10	35	<5	0.09	<1	33	233	74	6.14	<10	3.42	1014	<1	0.01	78	520	18	<5	<20	<1	<0.01	<10	145	<10	<1	64
45	C-35 01	5	<0.2	4.35	15	30	<5	0.07	<1	36	286	54	6.11	<10	3.77	897	<1	0.01	89	440	14	<5	<20	<1	<0.01	<10	167	<10	<1	64
46	D-101	5	<0.2	4.03	5	5	<5	0.30	<1	37	97	49	6.47	<10	3.77	1099	<1	0.02	32	700	14	<5	<20	<1	0.17	<10	212	<10	<1	67
47	D-201	10	<0.2	3.98	15	10	<5	0.24	<1	39	105	57	6.33	<10	3.69	1123	<1	0.02	37	660	16	<5	<20	<1	0.16	<10	213	<10	<1	64
48	D-301	<5	<0.2	4.01	15	25	<5	0.08	<1	35	261	36	5.95	<10	3.75	1162	1	0.02	87	410	18	<5	<20	<1	0.06	<10	177	<10	<1	58
49	D-401	<5	<0.2	3.90	10	20	<5	0.05	<1	34	190	48	6.28	<10	3.36	1141	<1	0.02	56	390	12	<5	<20	<1	0.02	<10	175	<10	<1	44
50	D-401 A	<5	<0.2	1.95	10	100	<5	<0.01	<1	34	171	61	5.90	<10	1.15	1389	<1	0.02	75	660	8	<5	<20	<1	<0.01	<10	69	<10	<1	55
51	D-401 B	<5	<0.2	0.22	<5	<5	<5	<0.01	<1	4	185	22	1.37	<10	0.06	180	<1	<0.01	11	150	<2	<5	<20	<1	<0.01	<10	15	<10	<1	10
52	D-401 C	5	<0.2	1.91	25	40	<5	<0.01	1	36	123	49	6.55	<10	0.65	1022	2	0.02	55	780	6	<5	<20	<1	<0.01	<10	72	<10	<1	55
53	D-501	<5	<0.2	3.76	20	15	<5	0.17	<1	33	116	61	5.65	<10	3.33	999	<1	0.01	39	580	14	<5	<20	1	0.08	<10	158	<10	<1	57
54	D-601	5	<0.2	2.61	10	5	<5	0.33	<1	28	106	36	4.28	<10	2.46	694	<1	0.02	24	460	12	<5	<20	8	0.11	<10	89	<10	<1	61
55	D-701	5	<0.2	3.02	10	10	5	0.20	1	31	93	59	5.08	<10	2.65	939	<1	0.02	28	340	14	<5	<20	<1	0.10	<10	144	<10	<1	90

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
56	D-801	5	<0.2	2.81	10	20	<5	0.26	<1	29	134	83	4.58	<10	2.27	1115	1	0.02	32	360	14	<5	<20	5	0.12	<10	113	<10	<1	56
57	D-901	5	<0.2	4.03	15	50	<5	0.04	<1	40	308	48	6.12	<10	3.37	1411	<1	0.02	114	300	16	<5	<20	<1	0.03	<10	172	<10	<1	54
58	D-1001	10	<0.2	2.09	50	105	<5	<0.01	<1	46	122	81	7.36	<10	0.66	1553	<1	0.02	80	940	6	<5	<20	<1	<0.01	<10	67	<10	<1	66
59	D-1101	>1000	1.8	0.26	1480	<5	<5	0.02	3	43	129	234	>10	<10	0.02	180	6	<0.01	41	1180	84	<5	<20	<1	<0.01	20	178	20	<1	112
60	D-1201	15	<0.2	0.68	140	40	<5	0.01	<1	51	71	36	8.09	<10	0.07	1635	1	0.02	54	690	38	<5	<20	<1	<0.01	<10	31	<10	<1	92
61	D-1301	490	<0.2	0.47	80	30	<5	0.04	1	34	55	38	8.11	<10	0.06	797	2	0.02	19	1030	10	<5	<20	<1	<0.01	<10	21	<10	<1	36
62	D-1401	730	0.6	0.11	220	10	<5	<0.01	1	8	153	41	5.88	<10	0.04	191	2	<0.01	13	110	64	<5	<20	<1	<0.01	<10	12	<10	<1	77
63	D-1501	530	1.0	0.05	280	<5	<5	<0.01	<1	10	149	42	6.31	<10	<0.01	89	2	<0.01	14	90	22	<5	<20	<1	<0.01	<10	10	<10	<1	22

QC DATA:

Resplit:

1	B-36 01	80	<0.2	2.28	10	40	<5	0.05	<1	43	165	66	8.31	<10	1.87	1718	3	0.03	37	500	12	<5	<20	<1	<0.01	<10	215	<10	<1	40
36	C-29 01 B	55	<0.2	0.91	50	75	<5	0.02	<1	41	89	87	8.02	<10	0.24	1767	<1	0.02	41	810	4	<5	<20	<1	<0.01	<10	46	<10	<1	91

Repeat:

1	B-36 01	25	<0.2	2.36	10	40	<5	0.05	<1	42	140	68	8.09	<10	1.95	1690	4	0.03	36	510	8	<5	<20	1	<0.01	<10	213	<10	<1	39
10	B-44 01 A	15	<0.2	1.63	35	45	<5	<0.01	1	39	99	180	6.88	<10	0.72	1216	2	0.03	31	560	4	<5	<20	2	<0.01	<10	52	<10	<1	61
19	B-52 01	800	<0.2	4.96	15	25	<5	0.06	<1	48	200	218	7.78	<10	4.58	1824	<1	0.02	58	460	10	<5	<20	<1	0.01	<10	250	20	<1	86
36	C-29 01 B	15	<0.2	0.87	45	70	<5	0.02	<1	41	82	87	7.93	<10	0.23	1785	2	0.02	42	790	2	<5	<20	<1	<0.01	<10	46	10	<1	89
45	C-35 01	5	<0.2	4.40	25	30	<5	0.07	<1	36	290	54	6.17	<10	3.82	904	<1	0.01	88	430	14	<5	<20	<1	<0.01	<10	169	<10	<1	65
54	D-601	10	<0.2	2.59	10	5	<5	0.33	<1	28	105	36	4.27	<10	2.44	691	<1	0.02	23	480	10	<5	<20	6	0.12	<10	89	<10	<1	61

Standard:

GEO'01	125	1.2	1.48	50	130	<5	1.47	1	17	49	80	3.27	<10	0.84	631	<1	0.02	25	730	20	<5	<20	45	0.08	<10	64	<10	<1	76
GEO'01	125	1.0	1.47	60	135	<5	1.49	1	18	49	81	3.25	<10	0.84	641	<1	0.02	25	730	20	<5	<20	44	0.08	<10	62	<10	<1	76

FP/kk
df/214
XLS/01


ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer



**ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING**

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CERTIFICATE OF ASSAY AK 2001-214

**SHINEY MINERAL RESOURCES
BOX 38
LIKELY, BC
VOL 1N0**

2-Aug-01

*No. of samples received: 63
Sample type: Rock
Project #: None Given
Shipment #: None Given
Samples submitted by: Shiny Mineral*

ET #.	Tag #	Au (g/t)	Au (oz/t)
35	C-29 01 A	1.21	0.035
59	D-1101	1.93	0.056

QC DATA:

Standard:
STD-M

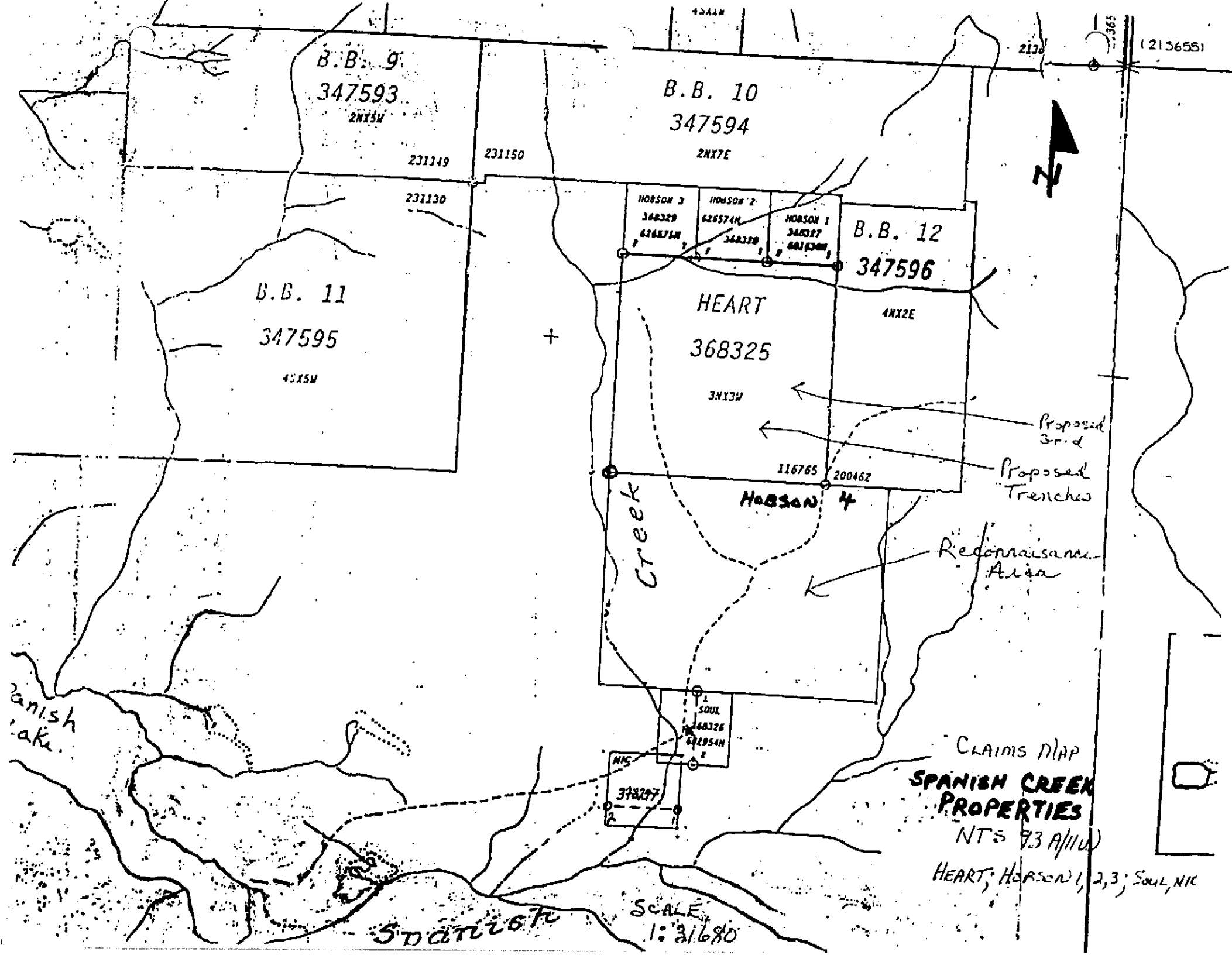
1.98 0.058

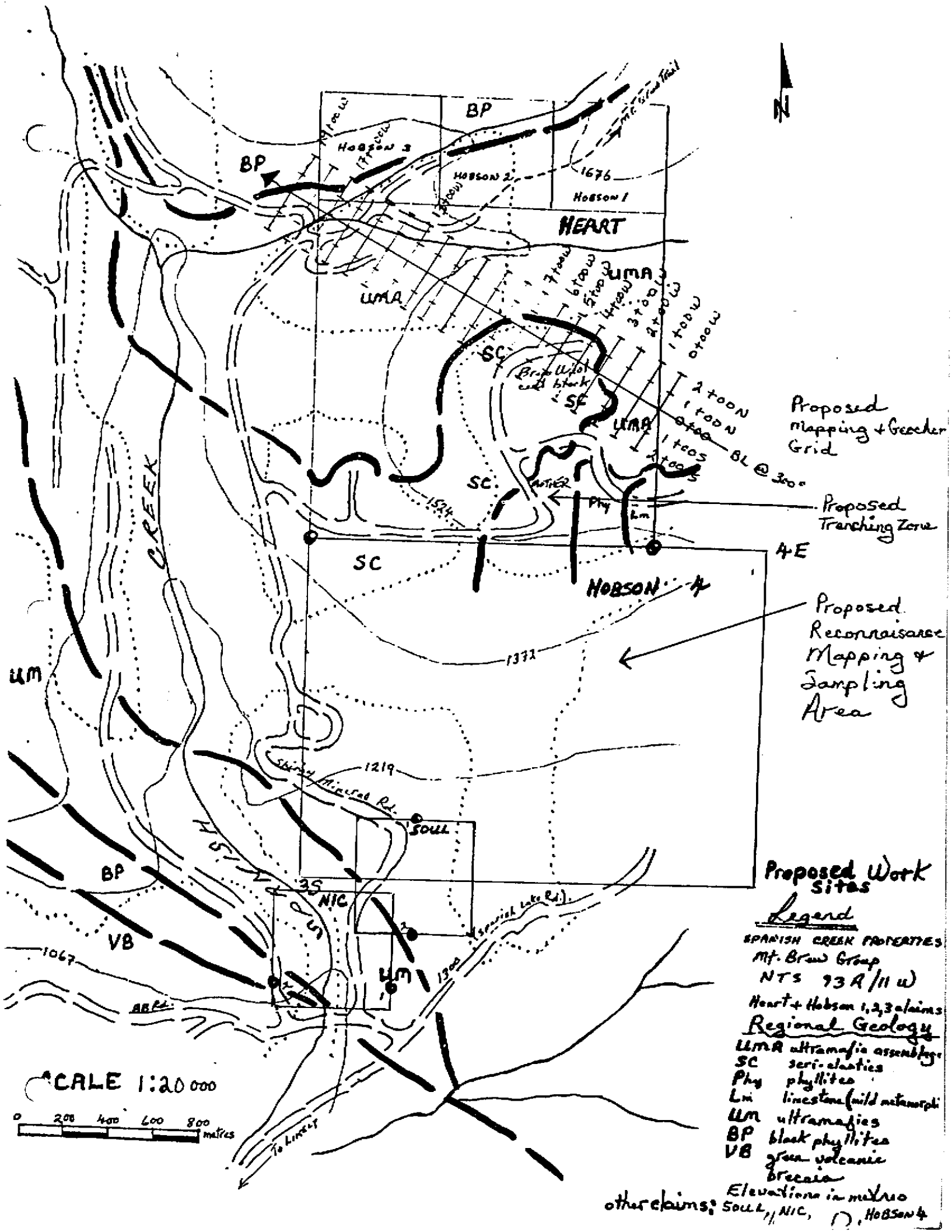

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ALS/01

App. 3

App. 4





Proposed mapping & Geochron Grid

Proposed Tranching Zone

Proposed Reconnaissance Mapping & Sampling Area

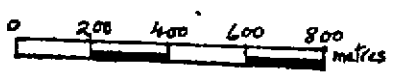
Proposed Work Sites

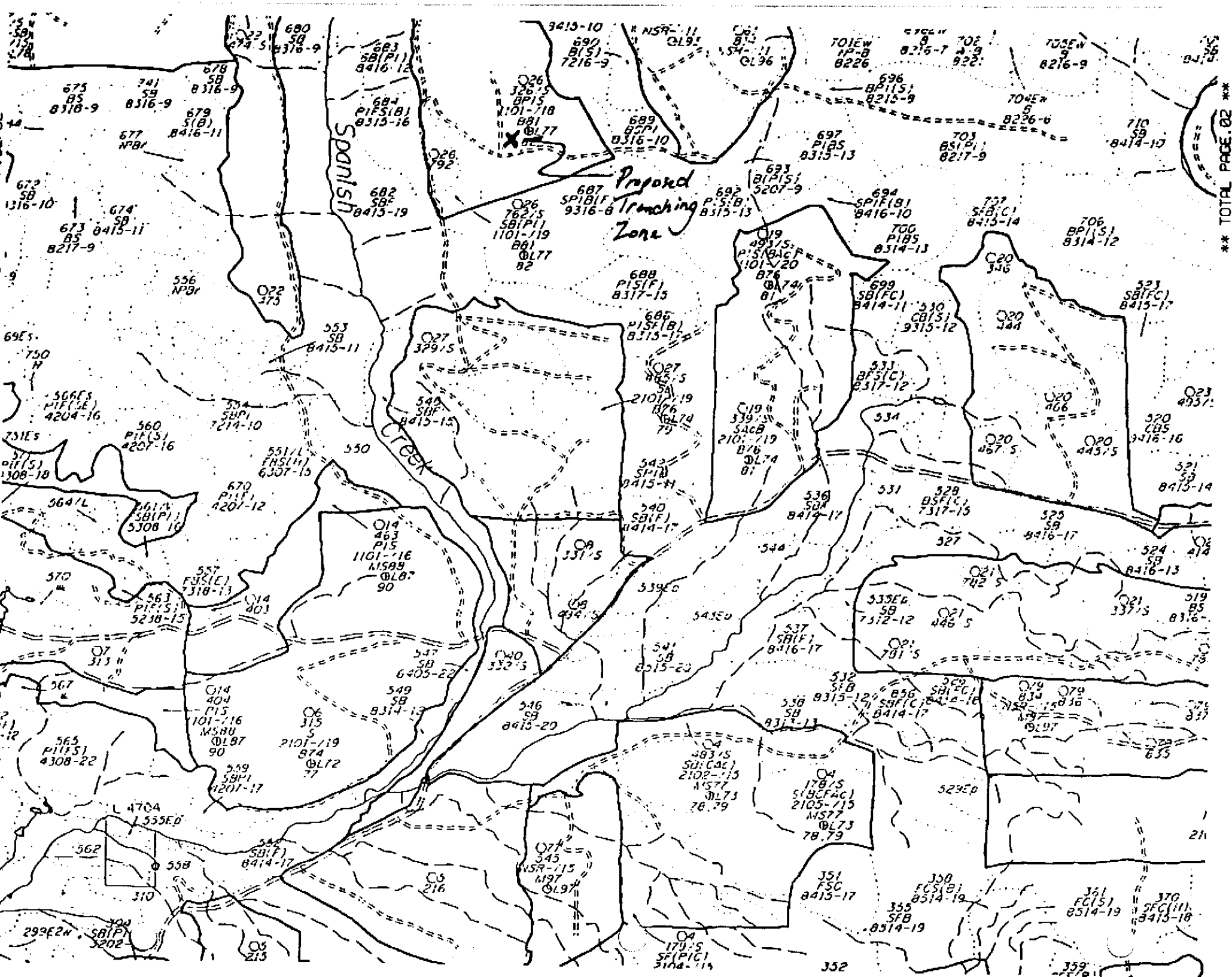
Legend

- SPANISH CREEK PROPERTIES
 Mt. Brown Group
 NTS 93A/11W
 Heart + Hobson 1, 2, 3 claims
Regional Geology
 UMA ultramafic assemblage
 SC sericite
 Ph phyllites
 Lm limestone (w/ metamorphic)
 UM ultramafites
 BP black phyllites
 VB green volcanic breccia

other claims: SOUL, NIC, HOBSON 4

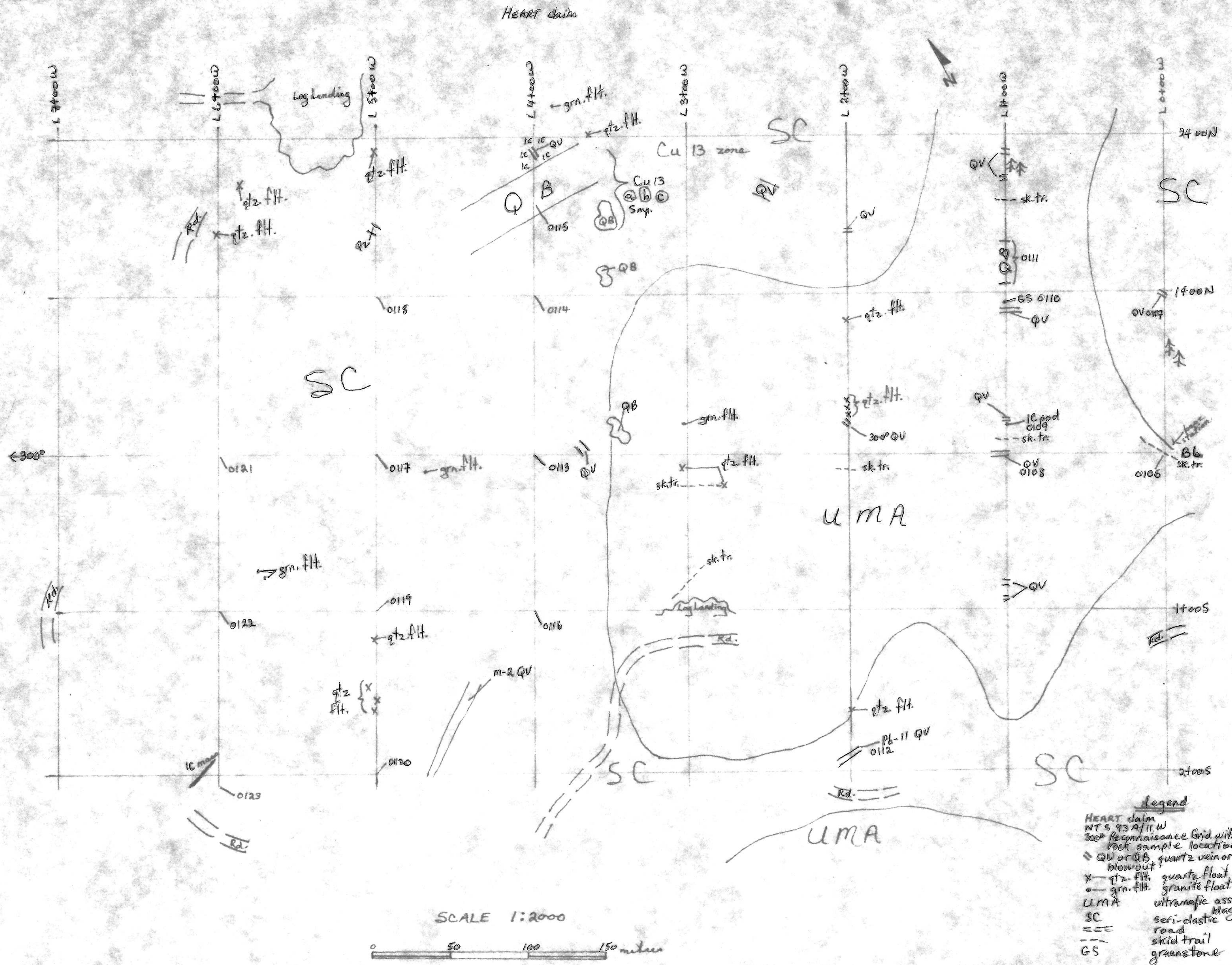
SCALE 1:20 000





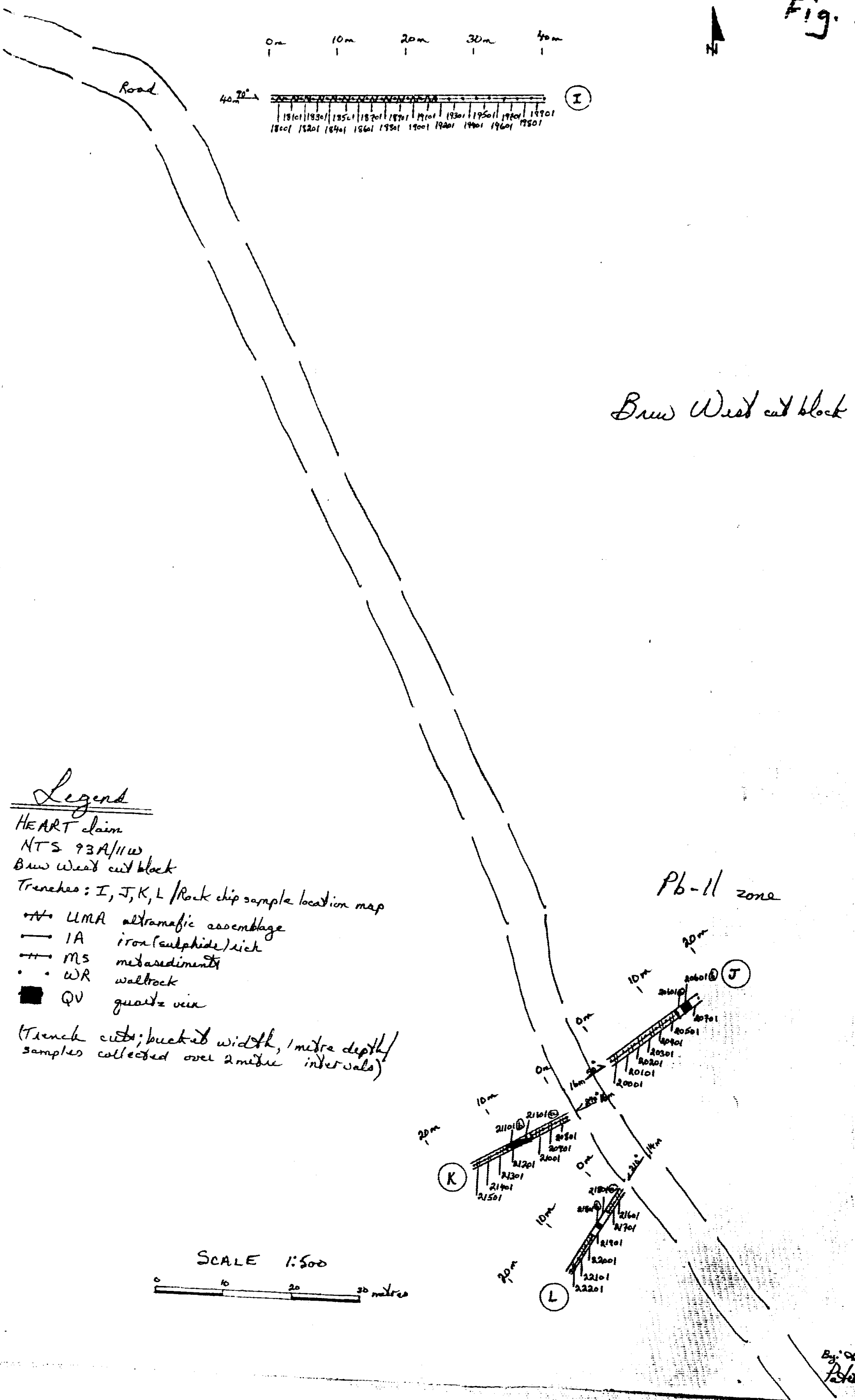
App. 5

Fig. 10



By: Atheran Paterson

Fig. 11



Legend

- HEART claim
 - NTS 93A/11W
 - Brow West cut block
 - Trenches: I, J, K, L / Rock chip sample location map
 - LMA ultramafic assemblage
 - IA iron (sulphide) rich
 - MS metabasement
 - WR wallrock
 - QV quartz vein
- (Trench cuts; bucket width, 1 metre depth / samples collected over 2 metre intervals)

SCALE 1:500

0 10 20 30 metres

By: Sheth, Paterson

