BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1996/1997
REPORT #:	PAP 96-54
NAME:	BOB BOURDON

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

B. TECHNICAL REPORT

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

Name BOB BOUDSON Reference Number 96/97 PLS

LOCATION/COMMODITIES (AINSWORTH)

Project Area (as listed in Part A) SILVER HOARD. MINFILE No. if applicable 082FSW 11, 14, 21, 22, 24, 38

Location of Project Area NTS 82F/10W, 15W Lat 49°44'27" Long 116° 56'53"

Description of Location and Access LOCATED WEST OF AINSWORTH. MAIN ACCESS VIA CEDAR CREEK FOREST ROAD.

Main Commodities Searched For AG, AU (ZN, PB)

Known Mineral Occurrences in Project Area SILVER HOARD, BUCKEYE, NORANDA, SULLIVAN, TIGER

WORK PERFORMED

1. Conventional Prospecting (area) EST 500 ha.
2. Geological Mapping (hectares/scale) N/A.
3. Geochemical (type and no. of samples) 50 ROCK, 39 SOIL, 25 SILT
4. Geophysical (type and line km) N/A.
5. Physical Work (type and amount) HAND TRENCHES - 6+ PITS/TRENCHES.
6. Drilling (no,. holes, size, depth in m, total m) N/A
7. Other (specify)

SIGNIFICANT RESULTS PB-ZN-AG-AU IN ROCKS. BUCKEYE

Commodities AG-AU. - IN SOILS. Claim Name SILVER HOARD.

Location (show on map) Lat Long Elevation

Best assay/sample type BUCKEYE - ±5-10% COMBINED PB-ZN + 1-10 z/t AG, 0.01 AU. SILVERHOARD - HIGHLY ANOMALOUS AU-AG (1000+ PPB, 10ppm) IN SOILS.

Description of mineralization, host rocks, anomalies BOTH OF THE ABOVE ZONES ARE HOSTED IN LIMESTONE BEDS AND MINERALIZATION CONSISTING OF ZN-PB-PY REPLACING LIMESTONE.

Supporting data must be submitted with this TECHNICAL REPORT

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act.*

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

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Name BOB BOURDON Reference Number 96/97 P115

LOCATION/COMMODITIES (ERIE CREEK)

Project Area (as listed in Part A) COPPER KING MINFILE No. if applicable 082FSW213

Location of Project Area NTS 82F/6W, 3W Lat 49°15'27" Long 117°23'45"

Description of Location and Access ± 11 KM. NW OF SALMO. ACCESS VIA ERIE CREEK FOREST ROAD.

Main Commodities Searched For CU, AU, (AG).

Known Mineral Occurrences in Project Area COPPER KING CU-AU SHOWING PLUS NUMEROUS OTHER COPPER SHOWINGS.

WORK PERFORMED

1. Conventional Prospecting (area) EST 300 ha.
2. Geological Mapping (hectares/scale) N/A.
3. Geochemical (type and no. of samples) 40 ROCKS, 93 SOIL, 2 SILT
4. Geophysical (type and line km) N/A
5. Physical Work (type and amount) 8 SMALL HAND-TRENCHES/PITS.
6. Drilling (no,. holes, size, depth in m, total m) N/A.
7. Other (specify)

SIGNIFICANT RESULTS

Commodities CU-AU Claim Name COPPER KING 1

Location (show on map) Lat Long Elevation

Best assay/sample type MINERALIZATION AT THE COPPER KING ADIT RETURNS 0.5 to 2.5% Cu. and up to 0.03 oz/t Au. Soil

Description of mineralization, host rocks, anomalies Sampling indicated the presence of gold and copper anomalies. Efforts to hand trench and determine source were mostly futile due to heavy overburden. Machine trenching or drilling would be required.
See attached Copper King summary for more info.

Supporting data must be submitted with this TECHNICAL REPORT

TAG1	TAG2	TYPE	PROJ	LOCATION	DESCRIPTION OR AU(ppb), AG(ppm), CU(ppm), PB(ppm), ZN(ppm), AS(ppm)
51925		ROCK	SH	BUCKEYE SHAFT DUMP	REPLACEMENT SULPHIDES Pb-Zn-Py GRAB
51926		ROCK	SH	BUCKEYE SHAFT DUMP	LIMESTONE LITTLE OR NO SULPHIDES
51927		ROCK	SH	BUCKEYE TRENCH DUMP	2M CHIP ALONG N SIDE MINOR SULPHIDES SILIC RX E OF STOPE
51928		ROCK	SH	BUCKEYE OPEN STOPE	4M CHIP ALONG N SIDE SOME SULPHIDES SILIC LS RX
51929		ROCK	SH	BUCKEYE OPEN STOPE	PICKED SULPHIDES FROM DUMP
51930		ROCK	SH	BUCKEYE PITS	36M S30W OF STOPE Pb-Zn-Py IN SILICIOUS LS
51931		ROCK	SH	BUCKEYE PIT	97M N OF STOPE QTZ+SILIC LS+SCATTERED Py-Zn
51932		ROCK	SH	BUCKEYE PIT	60M N OF 51931 SMALL PIT BESIDE OLD CABIN SILIC RX MINOR Py
51933		ROCK	SH	BUCKEYE PITS	ABOUT 600M N OF OPEN STOPE GRAB Pb-Zn-Py FROM DUMPS
51934		ROCK	SH	BUCKEYE CAVED SHAFT?	ABOUT 10M N OF 51933 - GRAB Pb-Zn-Py-AsPy?-CuPy?
51935		ROCK	CB	CAMPBELL CREEK PIT	QTZ-QTZITE? WITH MINOR CuPy+MALACHITE STAIN
90201		ROCK	SH	ATTENDED ADIT GRAB	Pb-Zn-Py-(AsPy?) IN LS
90202		ROCK	SH	100M N OF 90201	VARIOUS LOOSE RUBBLE+IN PLACE REPLACEMENT Zn-Pb-Py
90203		SILT	SH	S TRIB OF WOODBURY CR	
90204		SILT	SH	S TRIB OF WOODBURY CR	
90205		SILT	SH	S TRIB OF WOODBURY CR	
90206		SILT	SH	S TRIB OF WOODBURY CR	500M E OF BRIDGE ON WOODBURY CR
90207		SILT	SH	S TRIB OF WOODBURY CR	100M W OF BRIDGE ON WOODBURY CR
90208		SILT	SH	N TRIB OF WOODBURY CR	150M E OF BRIDGE ON WOODBURY CR
90209		SILT	SH	N TRIB OF WOODBURY CR	200M E OF BRIDGE ON WOODBURY CR
90210		ROCK	SH	S SIDE OF RD	1500M W OF BRIDGE ON WOODBURY CR LS WITH QTZ STRINGERS
90211		ROCK	SH	1200M W OF 90201	Pb-Zn-Py MINERALIZATION IN QTZ-CALCITE VEIN ALONG NEW ROAD
90212		SILT	SH	S TRIB OF LENDRUM	300M S & 2600M W OF ATTENDED ADIT
90213		SILT	SH	S TRIB OF LENDRUM	25M W OF 90212
90214		SILT	SH	S TRIB OF CEDAR CR	400M N OF NO.1 MINE & 100M ABOVE RD.
90215		SILT	SH	S TRIB OF CEDAR CR	400M N OF NO.1 MINE & 250M ABOVE RD.
90216		SILT	SH	S TRIB OF CEDAR CR	FLOWS THRU SE SIDE OF SILVER HOARD & 100M FROM CEDAR CR
90217		SILT	SH	S TRIB OF CEDAR CR	400M UPSTREAM FROM 90216
90218		SILT	SH	S TRIB OF CEDAR CR	500M UPSTREAM FROM 90217
90219		SILT	SH	S TRIB OF CEDAR CR	50M S OF CEDAR CR BRIDGE
90220		SILT	SH	CEDAR CR AT BRIDGE	
90221		SILT	SH	S TRIB OF LENDRUM	50M W OF 90213
90222		SILT	SH	S TRIB OF LENDRUM	400M NW OF 90221

90223		ROCK	SH	50M NW OF 90221	RUSTY SEDS NEAR GRANITE DYKE?
90224		SILT	SH	S TRIB OF LENDRUM	SMALL STREAM 600M W OF 90211
90225		SILT	SH	CR ALONG BUCKEYE TREND	200M S OF ATTENDED ADIT
90226		ROCK	SH	ATTENDED DUMP GRAB	DISSEM Zn-Pb-Py IN LS
90227		ROCK	SH	200M W OF 90226	SOFT BLACK MINERAL IN FRACTURES X-CUTTING LS
90228		ROCK	SH	400M N OF 90226	Py+Pb IN NARROW 30CM SHEAR IN SCHIST
90229		ROCK	SH	200M NE OF 90228	Py+ SOFT BLACK MINERAL IN X-CUTTING SHEAR IN SCHIST
90230		ROCK	CK	0+50N 0+60E	BLACK HORNFELSED RX + MINOR Py RUBBLE
90231		ROCK	CK	1+00N 0+25E	BLACK FRACTURED RX +Py-Po-CuPy IN PLACE
90232		ROCK	CK	1+00N 0+12E	BLACK HORNFELSED RX + MINOR Py IN PLACE
90233		ROCK	CK	BL0+00 0+05W	MISC INTRUSIVE RX + MINOR Py RUBBLE
90234		ROCK	CK	1+00N 0+35W	MISC INTRUSIVE RX + MINOR Py IN PLACE - SOME SED INCLUSIONS
90235		ROCK	CK	1+00N 0+75W	MISC PYRITIZED HORNFELS + INTRUSIVE RX
90236		ROCK	CK	0+75N 0+75W	BLACK HORNFELSED RX + MINOR Py-Po AND CuPy?
90237		ROCK	CK	BL0+00 0+75E	MISC INTRUSIVE RX IN HAND PITS MINOR Py
90238		ROCK	CK	0+10S 1+00E	RUSTY FG INTRUSIVE OLD PIT DUMP MINOR Py
90239		ROCK	CK	0+05S 1+00E	YELLOW WEATHERED SILICIFIED RX +MINOR Py - OLD PIT DUMP
90240		ROCK	SH	0+00 0+60E ROAD CUT	BRN-TAN SILICIFIED LS WITH SOME CALCITE STRINGERS
90241		ROCK	SH	0+00 0+65E ROAD CUT	SILICIFIED LS WITH NARROW QTZ STRINGERS
90242		ROCK	SH	0+00 0+65E ROAD CUT	HAND PICKED SILICIFIED LS WITH SCATTERED PYRITE
90243		ROCK	SH	0+00 0+65E ROAD CUT	OXIDIZED RUSTY LS
90244		ROCK	SH	1+25N CENTRE OF TRENCH	LIMONITE ACROSS 1.2
90245		ROCK	SH	1+25N 1M CHIP W OF 90243	RUSTY ALTERED LS + MINOR Py + CALCITE VEINLETS
90246		ROCK	SH	1+25N CENTRE IF TRENCH	LIMONITE ACROSS 1.2M BUT 40CM DEEPER THAN 10244
90247		ROCK	SH	1+25N 1M CHIP W OF 90245	LS + CALCITE STRINGERS VERY MINOR Py
90248		ROCK	SH	1+25N 1M CHIP W OF 90247	LS + CALCITE STRINGERS VERY MINOR Py
90249		ROCK	SH	1+25N 1M E OF 90246	GRAB OF MOST QUARTZY MATERIAL WITH QTZ LINED CAVITIES
90301		ROCK	CK	SW OF QUEBEC CLAIM	SILIC SILTSTONE WITH BANDED FG Py
90302		ROCK	CK	MONTREAL SW CUT	2M Po+MINOR CuS
90303		ROCK	CK	MONTREAL SW CUT DUMP	Po+MINOR CuS
90304		ROCK	CK	40M SW OF 90303	GRAB VOLCANICS? WITH MINOR Po+Py
90305		ROCK	CK	30M W OF 90303	GRAB PO+MINOR CuS, ZnS?,BORNITE?
90306		ROCK	CK	QUEBEC MOST SW ADIT	SHEARED MAFIC SILTSTONE Po+Py+PbS?
90307		ROCK	CK	SAME AS 90306	QTZ STOCKWORK IN LT GRN SILIC RX
90308		ROCK	CK	40M NE OF 90307	BRECCIATED SEDS+QTZ+Py+Po+PbS?

90309		ROCK	CK	SAME AS 90308	VUGGY QTZ+Py
90310		ROCK	CK	30M NW OF 90306	SILIC VOLCANICS+QTZ STKWORK+Py+Po
90311		ROCK	CK	SAME AS 90310	BLACK FG SEDS+DISSEM Py+PbS?
90312		SILT	SH	CEDAR CR ELEV 2850'	JUST BELOW TIGER MC
90313		ROCK	SH	N END BUCKEYE TREND	GRAB X-CUTTING SHEAR N30W DIP 70 W
90314		ROCK	SH	150M S OF 90313	MASSIVE REPLACEMENT Py+PbS
90315		ROCK	SH	50M S OF RD JCN BCUKEYE	TALC SCHIST+MINOR Py
90316		ROCK	SH	UPPER SIDE CEDAR BRIDGE	2M CHIP RUSTY SILIC SCHIST+MINOR Py
90317		ROCK	SH	SMALL CR 50M S OF 90316	QTZ/CALCITE STKWORK IN LS/CR 90219 TAKEN
90318		ROCK	SH	50M S OF 90317	SIMILAR MATERIAL RUBBLE IN CREEK
90319		SILT	SH	200M ABOVE 90219	SAME CREEK AS SILT 90219
90320		SILT	SH	100M ABOVE 90219	SAME CREEK AS SILT 90219
90321		ROCK	SH	SAME AS 90320	DARK LS WITH QTZ STKWORK RUBBLE IN CR
90322		ROCK	CK	1+00S 1+00W DUMP GRAB	RUSTY BLK HORNFELSED SEDS+CALCITE
90323		ROCK	CK	1+00S 1+00E	VERY RUSTY SILIC DYKE?+Py+Mo?
90324		ROCK	CK	BL0+00 0+60W	GRAB SILIC GRANITE+Py SMALL PIT
90325		ROCK	CK	0+10S 0+10W	SILIC SEDS?+Py
90326		SILT	CK	N TRIB OF GRASSY CR	1700M W OF LCP
90327		SILT	CK	N TRIB OF GRASSY CR	600M E OF 90326
90328		SILT	SH	N OF DELLIE END OF RD	ABOUT 50M ABOVE RD
90329		ROCK	SH	25M ABOVE 90328	RUSTY QTZ FLOAT
90330		SILT	SH	75M ABOVE 90328	TRYING TO NAIL DOWN SOURCE OF AG ANOMALY
90331		ROCK	SH	NEAR E BDY SILVER HOARD	PATCHES OF Py, ZnS IN LIMESTONE
90332		ROCK	CK	1+25N 1+70E	RUSTY SILIC RX GRAB
90333		ROCK	CK	50M W OF GRASSY BRIDGE	RUSTY SILIC SEDS?+Py+Po
90334		ROCK	CK	SAME AS 90333	RUSTY SILIC SEDS?+Py+Po
90335		ROCK	SH	SH1+00N HAND TRENCH	RUSTY LS+MINOR Py+STRINGERS MN?
90336		ROCK	SH	SAME AS 90335	OXIDIZED VUGGY BROWN RX
90337		ROCK	SH	SAME AS 90336	BLACK RX+CALCITE VEINLETS
90338		ROCK	SH	6M N OF 90337	FG DYKE? RX IN HAND TRENCH
90339		ROCK	SH	SAME AS 90338	VUGGY RUSTY QTZ (902 ppb AU)
90340		ROCK	SH	3M NE OF 90335	LT BRN RX+MINOR Py
90341		ROCK	SH	SAME AS 90340	CALCITE VEINS WITH BLACK MINERAL
90342		ROCK	SH	SH1+25N MIDDLE TRENCH	SILIC LS+SCATTERED MINOR Py+ZnS?
90343		ROCK	SH	SAME AS 90342	MISC LIMY RX +CALCITE VEINING
90344		ROCK	SH	SH1+25N E TRENCH	MAFIC DYKE? RX (372 ppb AU)

90345		ROCK	SH	SH1+25N W TRENCH	SILIC LS WITH SCATTERED Py+Zn?
90346		ROCK	SH	SH1+25N W TRENCH	YELLOW BROWN LS WITH MINOR Py
90347		ROCK	CK	0+50N 0+60E	SILICIFIED INTRUSIVE + MINOR Py FROM HAND TRENCH RUBBLE
90348		ROCK	CK	0+50N 0+60E	HARD SILIC GREY-GRN RX +Py+Po RUBBLE FROM PIT
90349		ROCK	CK	0+50N 0+75E	BLACK HORNFELSED RX MINOR Py+CuPy
90350		ROCK	CK	0+50N 0+60E	SILICIFIED INTRUSIVE? WITH DISSEM Py
BL0+00		SOIL	CK		COPPER KING SOIL GRID
0+00	0+25W	SOIL	CK		
0+00	0+50W	SOIL	CK		
0+00	0+75W	SOIL	CK		
0+00	1+00W	SOIL	CK		
0+00	1+25W	SOIL	CK		
0+00	1+50W	SOIL	CK		
0+00	0+25E	SOIL	CK		
0+00	0+50E	SOIL	CK		
0+00	0+75E	SOIL	CK		
0+00	1+00E	SOIL	CK		
BL0+50S		SOIL	CK		
0+50S	0+25W	SOIL	CK		
0+50S	0+50W	SOIL	CK		
0+50S	0+75W	SOIL	CK		
0+50S	1+00W	SOIL	CK		
0+50S	1+25W	SOIL	CK		
0+50S	1+50W	SOIL	CK		
0+50S	0+25E	SOIL	CK		
0+50S	0+50E	SOIL	CK		
0+50S	0+75E	SOIL	CK		
0+50S	1+00E	SOIL	CK		
BL1+00S		SOIL	CK		
1+00S	0+25W	SOIL	CK		
1+00S	0+50W	SOIL	CK		
1+00S	0+75W	SOIL	CK		
1+00S	1+00W	SOIL	CK		

1+00S	1+25W	SOIL	CK		
1+00S	1+50W	SOIL	CK		
1+00S	0+25E	SOIL	CK		
1+00S	0+50E	SOIL	CK		
1+00S	0+75E	SOIL	CK		
1+00S	1+00E	SOIL	CK		
BL0+50N		SOIL	CK		
0+50N	0+25W	SOIL	CK		
0+50N	0+50W	SOIL	CK		
0+50N	0+75W	SOIL	CK		
0+50N	1+00W	SOIL	CK		
0+50N	0+25E	SOIL	CK		
0+50N	0+50E	SOIL	CK		
0+50N	0+75E	SOIL	CK		
0+50N	1+00E	SOIL	CK		
0+50N	1+25E	SOIL	CK		
0+50N	1+50E	SOIL	CK		
BL1+00N		SOIL	CK		
1+00N	0+25W	SOIL	CK		
1+00N	0+50W	SOIL	CK		
1+00N	0+75W	SOIL	CK		
1+00N	1+00W	SOIL	CK		
1+00N	0+25E	SOIL	CK		
1+00N	0+50E	SOIL	CK		
1+00N	0+75E	SOIL	CK		
1+00N	1+00E	SOIL	CK		
1+00N	1+25E	SOIL	CK		
1+00N	1+50E	SOIL	CK		
BL1+50N		SOIL	CK		
1+50N	0+25W	SOIL	CK		
1+50N	0+50W	SOIL	CK		
1+50N	0+75W	SOIL	CK		
1+50N	1+00W	SOIL	CK		

1+50N	0+25E	SOIL	CK		
1+50N	0+50E	SOIL	CK		
1+50N	0+75E	SOIL	CK		
1+50N	1+00E	SOIL	CK		
1+50N	1+25E	SOIL	CK		
1+50N	1+50E	SOIL	CK		
1+50N	1+75E	SOIL	CK	OLD ADIT FEW M NORTH	
BL2+00N		SOIL	CK		
2+00N	0+25W	SOIL	CK		
2+00N	0+50W	SOIL	CK		
2+00N	0+75W	SOIL	CK		
2+00N	1+00W	SOIL	CK		
2+00N	0+25E	SOIL	CK		
2+00N	0+50E	SOIL	CK		
2+00N	0+75E	SOIL	CK		
2+00N	1+00E	SOIL	CK		
2+00N	1+25E	SOIL	CK		
2+00N	1+50E	SOIL	CK		
BL2+50N		SOIL	CK		
2+50N	0+25W	SOIL	CK		
2+50N	0+50W	SOIL	CK		
2+50N	0+75W	SOIL	CK		
2+50N	1+00W	SOIL	CK		
2+50N	0+25E	SOIL	CK		
2+50N	0+50E	SOIL	CK		
2+50N	0+75E	SOIL	CK		
2+50N	1+00E	SOIL	CK		
2+50N	1+25E	SOIL	CK		
2+50N	1+50E	SOIL	CK		
CKPIT	1/96A	SOIL	CK	NEAR CK SHOWING	CHECK SOIL FOR BEST SAMPLING HORIZON
CKPIT	1/96B	SOIL	CK		
CKPIT	1/96C	SOIL	CK		
CKPIT	2/96A	SOIL	CK		

CKPIT	2/96B	SOIL	CK		
CKPIT	2/96C	SOIL	CK		
CKPIT	3/96A	SOIL	CK		
CKPIT	3/96B	SOIL	CK		
CKPIT	3/96C	SOIL	CK		
CKPIT	4/96A	SOIL	CK		
CKPIT	4/96B	SOIL	CK		
CKPIT	4/96C	SOIL	CK		
SH	0+25N	SOIL	SH		SILVER HOARD SOIL LINES
SH	0+50N	SOIL	SH	ANOMALOUS AG	1, 1.4, 21, 23, 261, 3
SH	0+75N	SOIL	SH	ANOMALOUS AG	2, 1.5, 21, 26, 188, 6
SH	1+00N	SOIL	SH	HIGH AG, AS	14, 4.9, 32, 56, 156, 227
SH	1+25N	SOIL	SH	HIGH AU, AG, AS	1050, 6.9, 86, 66, 153, 116
SH	1+50N	SOIL	SH		
SH	1+75N	SOIL	SH		
SH	2+00N	SOIL	SH		
SH	2+25N	SOIL	SH		
SH	2+50N	SOIL	SH		
SH	2+75N	SOIL	SH		
SH	3+00N	SOIL	SH		
SH	3+25N	SOIL	SH	ANOMALOUS AG	2, 1.8, 183, 18, 143, 31
SH	3+50N	SOIL	SH		
SH	3+75N	SOIL	SH		
SHW	0+25N	SOIL	SH		
SHW	0+50N	SOIL	SH		
SHW	0+75N	SOIL	SH		
SHW	1+00N	SOIL	SH		
SHW	1+25N	SOIL	SH		
SHW	1+50N	SOIL	SH		
SHW	1+75N	SOIL	SH		
SHW	2+00N	SOIL	SH		
SHW	2+25N	SOIL	SH		
SHW	2+50N	SOIL	SH		
SHW	2+75N	SOIL	SH		

SHW	3+00N	SOIL	SH	NO SAMPLE	CREEK CHANNEL
SHW	3+25N	SOIL	SH	NO SAMPLE	CREEK CHANNEL
SHW	3+50N	SOIL	SH		
SHW	3+75N	SOIL	SH		
SHB	0+00N	SOIL	SH		
SHB	0+25N	SOIL	SH		
SHB	0+50N	SOIL	SH		
SHB	0+75N	SOIL	SH		
SHB	1+00N	SOIL	SH		
SHB	1+25N	SOIL	SH		
SHB	1+50N	SOIL	SH		
SHB	1+75E	SOIL	SH		
1+25N	A	SOIL	SH	HIGH AU,AG,AS	121, 10.6 ,31 ,139 ,333 ,99 (AT SH 1+20N, 0+05W)
1+25N	B	SOIL	SH	VERY HIGH AU, HIGH AG,AS	1128, 6.7, 84 ,108 ,235 ,151 (AT SH 1+20N)
1+25N	C	SOIL	SH	ANOMALOUS AU,AS	33, 2.2, 82 ,36, 152, 36 (AT SH 1+20N, 0+50E)

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

GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon File # 96-2132

907 W. Richards St., Nelson BC V1L 5T3

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
CKPIT-1/96 A	1	78	107	207	<.3	8	5	1330	1.68	5	<5	<2	<2	171	1.8	2	4	28	1.36	.111	6	10	.30	383	.05	4	.83	.02	.14	<2	49
CKPIT-2/96 A	<1	581	164	97	.9	10	8	711	3.47	11	<5	<2	<2	67	1.0	2	17	57	.54	.091	9	23	.43	202	.10	<3	1.32	.02	.17	12	22
CKPIT-3/96 A	2	786	81	161	8.9	8	2	796	5.45	<2	<5	<2	3	290	2.4	<2	59	62	2.04	.135	12	73	.77	352	.11	5	1.24	.02	.67	<2	92
CKPIT-4/96 A	1	78	112	102	.6	7	2	273	2.02	2	<5	<2	<2	145	1.4	3	7	27	.85	.082	3	13	.20	228	.05	3	.51	.01	.13	<2	12
CKPIT-1/96 B	1	275	62	104	<.3	17	11	511	4.25	3	<5	<2	7	47	.4	<2	9	82	.24	.111	16	33	.70	192	.14	<3	2.75	.02	.16	5	14
CKPIT-2/96 B	<1	716	56	113	.3	16	10	428	4.93	6	<5	<2	7	52	<.2	<2	9	94	.21	.113	18	48	.90	192	.17	<3	3.49	.02	.19	6	9
RE CKPIT-2/96 B	<1	729	48	114	.4	19	10	429	4.91	9	<5	<2	6	53	.3	<2	5	93	.21	.115	18	47	.90	200	.17	<3	3.56	.02	.19	7	11
CKPIT-3/96 B	5	1689	23	72	7.7	5	2	456	9.34	<2	<5	<2	9	159	<.2	<2	69	182	.20	.145	24	306	2.95	273	.33	3	4.12	.04	1.95	2	128
CKPIT-4/96 B	<1	255	32	102	<.3	10	5	744	5.50	<2	<5	<2	4	51	<.2	2	16	111	.19	.125	13	54	.97	190	.20	<3	2.95	.02	.16	9	6
CKPIT-1/96 C	<1	278	44	93	.4	20	12	316	4.01	<2	<5	<2	9	38	<.2	<2	5	77	.18	.061	22	33	.75	220	.15	<3	3.35	.02	.16	4	19
CKPIT-2/96 C	<1	209	35	109	.5	16	11	497	4.36	<2	<5	<2	5	33	<.2	<2	10	85	.18	.100	15	44	.73	185	.17	<3	3.78	.02	.11	7	10
CKPIT-3/96 C	1	1106	67	103	2.0	10	20	1920	5.76	5	<5	<2	4	44	<.2	<2	40	109	.17	.121	14	71	.94	202	.19	3	2.41	.03	.37	9	34
CKPIT-4/96 C	<1	282	21	101	.5	15	7	445	5.89	<2	<5	<2	5	72	.2	<2	11	124	.22	.112	15	62	1.25	248	.23	<3	3.94	.02	.20	15	103
STANDARD CZ/AU-S	20	55	38	135	5.8	68	33	1110	3.75	39	18	8	34	51	18.5	19	17	67	.55	.090	38	62	.95	198	.08	25	1.95	.06	.14	14	55

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 10 1996 **DATE REPORT MAILED:** Jun 14/96 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon File # 96-2574

907 W. Richards St., Nelson BC V1L 5T3

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
D 90201	<1	487	23772	45331	41.6	16	<1	99999	23.97	5930	6	<2	13	39	201.0	38	<2	11	3.64	.014	5	29	.97	6	<.01	<3	.06	<.01	.02	3	131
D 90202	<1	390	26906	49878	101.0	17	<1	99999	16.96	4872	<5	<2	22	41	200.8	89	4	10	5.00	.001	8	26	.90	7	<.01	<3	.06	<.01	.03	5	184
D 90301	3	45	159	328	.5	26	7	1095	3.91	24	<5	<2	3	112	1.3	<2	<2	156	1.55	.052	3	62	1.47	246	.27	<3	4.23	.15	1.40	<2	9
D 90302	<1	456	900	823	7.0	72	17	3230	8.91	5	<5	<2	2	37	6.2	<2	23	196	1.13	.110	4	175	3.44	12	.16	<3	3.60	.05	.07	<2	3
D 90303	1	1153	397	594	6.6	83	34	2531	15.04	2	<5	<2	2	33	5.7	<2	48	156	.75	.085	3	139	2.63	14	.13	<3	3.04	.05	.07	4	2
D 90304	<1	83	592	1176	.3	35	16	2204	4.45	3	<5	<2	<2	89	4.9	<2	<2	133	4.53	.068	4	68	1.90	14	.14	<3	2.12	.04	.08	<2	1
D 90305	1	1301	10805	17265	32.8	66	23	2418	12.53	<2	<5	<2	2	16	139.5	<2	70	125	.46	.079	4	125	1.77	15	.10	<3	2.16	.03	.08	<2	1
D 90306	398	196	5748	2178	13.0	23	11	1023	7.61	13	<5	<2	2	9	12.6	6	35	99	.21	.048	3	42	.89	19	<.01	<3	1.16	<.01	.11	17	4
D 90307	563	576	6874	2176	6.1	16	4	1176	4.48	7	<5	<2	2	7	12.6	5	12	83	.14	.044	4	38	.77	23	<.01	<3	1.20	<.01	.07	<2	13
D 90308	8	184	19329	16472	12.9	33	15	6650	4.91	212	<5	<2	2	139	98.3	14	2	47	4.60	.017	4	51	1.07	22	<.01	<3	1.03	.01	.13	<2	50
RE D 90308	7	178	18241	16855	12.2	33	14	6378	4.64	196	<5	<2	2	132	92.7	13	<2	44	4.40	.017	4	50	1.03	21	<.01	<3	.99	.01	.12	<2	50
D 90309	158	1572	22006	5751	152.5	59	38	682	13.76	62	<5	<2	2	4	46.6	9	340	36	.04	.014	1	32	.39	17	<.01	<3	.54	<.01	.07	127	8
D 90310	7	1274	23678	42880	23.2	27	21	1354	12.46	<2	<5	<2	3	16	404.5	11	37	100	.24	.057	4	62	1.73	27	<.01	<3	1.91	.04	.11	<2	6
D 90311	187	427	668	817	5.2	18	11	1530	7.10	19	7	<2	10	62	5.8	<2	22	104	1.28	.288	32	57	2.08	35	<.01	<3	2.22	.02	.13	68	6
STANDARD C2/AU-R	21	63	39	141	6.4	76	37	1231	3.96	44	19	9	38	53	19.2	17	20	75	.53	.102	42	67	1.04	206	.08	31	1.98	.07	.14	14	490

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 2 1996 DATE REPORT MAILED: July 10/96 SIGNED BY: D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon File # 96-3603 Page 1

907 W. Richards St., Nelson BC V1L 5T3

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
D 90210	5	26	<3	15	.3	22	5	78	4.20	<2	<5	<2	6	119	<.2	<2	<2	30	2.37	.122	14	26	.08	15	.13	3	1.09	.02	.04	5	1
D 90211	1	234	40712	25277	279.3	<1	3	22942	1.45	47	<5	<2	<2	995	160.9	29	<2	4	45.37	<.001	5	3	.26	7	<.01	18	.10	.01	.01	<2	76
D 90223	14	48	319	359	2.8	38	6	364	1.52	<2	5	<2	6	237	2.7	<2	2	46	4.40	.163	20	22	.24	13	.14	9	1.81	.29	.22	2	2
D 90226	1	641	19806	34887	69.6	13	<1	99999	25.34	17804	<5	<2	10	16	163.2	107	<2	5	1.85	.007	4	3	.74	7	<.01	<3	.11	.01	.07	<2	243
D 90227	2	86	7270	7955	13.8	19	4	52983	5.42	778	<5	<2	4	114	37.4	5	2	15	7.43	.051	11	14	.55	22	.02	<3	.83	.01	.11	3	8
RE D 90227	2	86	7081	7785	13.9	19	4	51247	5.27	765	<5	<2	5	112	36.1	7	<2	15	7.24	.052	12	14	.53	22	.02	<3	.82	.01	.11	3	9
D 90228	<1	447	13972	95233	124.5	36	57	7822	22.66	86	9	<2	4	15	494.5	58	22	19	.98	.041	8	14	.28	<1	<.01	<3	.53	<.01	.12	<2	10
D 90229	2	83	309	379	1.1	39	12	463	4.23	<2	<5	<2	3	255	2.2	<2	2	66	6.05	.295	6	50	.91	91	.06	<3	7.92	.37	.20	7	21

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 SILT AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 12 1996 **DATE REPORT MAILED:** Aug 21/96 **SIGNED BY.** ..., D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
D 90203	1	29	6	66	<.3	95	13	356	2.40	<2	<5	<2	2	53	<.2	2	<2	62	1.02	.220	17	152	1.57	94	.22	<3	1.51	.01	.37	<2	2
D 90204	1	22	19	104	<.3	123	13	356	1.92	2	<5	<2	2	133	1.4	2	<2	46	1.47	.241	12	177	1.52	52	.09	<3	1.37	.01	.16	<2	1
D 90205	4	32	27	179	.3	101	14	580	2.48	8	<5	<2	<2	96	2.9	<2	<2	55	1.38	.190	14	129	1.21	69	.08	<3	1.67	.01	.15	<2	1
D 90206	1	39	40	131	<.3	102	17	604	3.14	3	<5	<2	3	90	2.2	2	<2	72	2.74	.207	19	153	1.97	79	.21	3	1.65	.01	.29	<2	1
D 90207	8	40	96	371	8.5	73	13	504	2.57	11	<5	<2	<2	120	5.4	6	<2	56	2.21	.240	16	73	1.28	44	.07	<3	1.77	.02	.14	2	1
D 90208	1	23	94	247	7.2	52	12	467	2.35	17	<5	<2	2	175	1.9	5	<2	48	7.14	.147	15	58	4.11	65	.05	<3	1.23	.02	.13	<2	6
D 90209	2	30	105	317	9.2	60	14	606	2.94	28	<5	<2	2	155	3.0	4	<2	50	5.35	.139	16	61	2.97	78	.05	<3	1.67	.01	.11	2	10
D 90212	1	9	26	122	<.3	11	5	756	2.50	3	15	<2	<2	112	.9	<2	<2	43	1.24	.145	45	20	.66	37	.06	<3	1.52	.01	.21	<2	1
D 90213	1	13	40	127	.4	62	8	934	2.49	13	7	<2	<2	101	.9	<2	<2	41	1.38	.133	59	64	.98	88	.04	3	1.95	.01	.15	<2	1
D 90214	1	36	23	123	.3	50	21	933	4.30	4	<5	<2	3	52	.2	<2	<2	72	.92	.159	30	74	1.27	73	.06	<3	1.87	.01	.16	<2	3
D 90215	1	38	23	124	<.3	53	22	1082	4.00	4	<5	<2	3	54	.4	<2	<2	68	.99	.142	29	75	1.39	79	.06	<3	2.01	.01	.17	<2	
D 90216	2	18	42	255	.8	31	11	727	3.26	3	<5	<2	4	71	1.6	<2	<2	50	1.77	.170	38	43	.93	61	.08	<3	1.58	.01	.30	<2	
D 90217	1	53	27	129	<.3	65	24	1219	4.65	8	<5	<2	4	41	.2	<2	<2	91	.68	.128	28	103	1.95	106	.09	<3	2.89	.01	.29	<2	2
D 90218	<1	15	24	136	<.3	16	8	1076	2.95	3	<5	<2	<2	104	1.1	<2	<2	46	1.05	.164	48	24	.81	76	.06	<3	2.54	.02	.18	<2	<1
RE D 90218	2	13	25	134	<.3	16	8	1062	2.89	<2	<5	<2	<2	101	1.0	<2	<2	45	1.03	.161	45	21	.80	74	.06	<3	2.49	.02	.17	<2	<1
D 90219	<1	23	65	346	5.6	40	11	760	3.09	18	<5	<2	4	104	2.8	2	<2	55	1.40	.246	45	38	1.23	71	.04	<3	1.72	.02	.18	<2	3
D 90220	1	20	21	116	.5	32	11	818	2.64	8	<5	<2	2	77	.6	<2	<2	44	.81	.132	46	47	.85	47	.05	<3	1.63	.02	.14	<2	1
D 90221	<1	23	28	151	.3	22	6	636	2.11	3	6	<2	4	119	2.2	<2	<2	41	1.65	.276	41	24	.81	47	.05	<3	1.18	.02	.19	<2	1
D 90222	1	6	11	103	<.3	4	5	754	2.09	<2	7	<2	2	76	.3	<2	<2	33	.95	.091	44	13	.57	32	.06	<3	1.21	.02	.17	<2	1
D 90224	2	13	56	182	.7	47	7	520	2.69	8	<5	<2	5	39	.6	<2	<2	34	.96	.190	49	20	.55	45	.05	<3	.93	.01	.10	<2	<1
D 90225	3	31	129	1145	1.3	33	8	1129	2.20	42	<5	<2	<2	132	3.1	<2	<2	30	1.68	.111	16	37	.59	65	.05	<3	2.23	.03	.07	2	12
STANDARD C2/AU-S	20	57	37	132	5.9	70	36	1125	3.86	38	15	6	34	49	19.5	14	17	69	.54	.105	37	61	.99	173	.06	25	1.97	.07	.14	11	46

Sample type: SILT. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon PROJECT CK File # 96-4397 Page 1

907 W. Richards St., Nelson BC V1L 5T3

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
D 90313	<1	428	26440	67257	39.0	9	9	56458	24.36	684	<5	<2	3	208	288.0	4	<2	13	8.89	.033	22	19	.16	25	<.01	<3	.27	<.01	.07	<2	51
D 90314	<1	993	2241	99999	32.0	6	12	13766	45.05	9703	<5	<2	<2	12	745.0	15	<2	2	1.00	.001	2	3	.06	5	<.01	<3	.03	<.01	.01	<2	92
D 90315	<1	4	4	268	<.3	408	41	836	3.83	7	<5	<2	<2	7	.8	<2	<2	27	.34	.006	<1	1203	12.95	3	<.01	<3	.15	<.01	.02	<2	45
D 90316	16	342	34	175	2.0	57	25	727	10.42	29	<5	<2	3	17	.8	<2	<2	185	.45	.066	8	136	2.72	146	.12	<3	3.93	.01	.05	<2	15
D 90317	3	2	20	94	<.3	8	1	1149	1.73	39	<5	<2	<2	1507	1.3	<2	<2	14	31.60	.069	7	7	3.61	76	<.01	<3	.08	<.01	.07	<2	4
D 90318	1	4	20	143	1.3	17	1	783	1.17	20	5	<2	<2	1337	1.1	2	<2	16	22.35	.057	5	18	2.98	47	<.01	3	.17	<.01	.06	<2	39
D 90321	4	1	10	34	.3	14	1	575	.72	12	<5	<2	<2	1301	.4	<2	<2	29	36.47	.057	8	16	.96	49	<.01	<3	.22	<.01	.04	<2	3
D 90322	7	50	11	60	<.3	22	9	341	2.71	2	8	<2	9	114	<.2	3	4	139	1.39	.057	15	39	1.29	107	.18	<3	2.30	.21	.85	2	15
RE D 90322	7	49	15	58	<.3	19	9	329	2.60	<2	6	<2	8	111	<.2	<2	6	134	1.34	.057	14	37	1.24	103	.18	<3	2.23	.21	.83	2	12
D 90323	3	98	<3	20	<.3	8	4	194	2.57	2	<5	<2	24	169	<.2	<2	2	42	.71	.214	70	21	1.00	422	.17	<3	1.31	.12	.69	5	2
D 90324	2	673	<3	53	<.3	19	6	302	5.89	5	<5	<2	8	256	<.2	2	5	89	2.05	.356	45	68	1.26	336	.29	<3	2.41	.23	.54	<2	3
D 90325	2	1013	11	24	3.2	6	6	142	4.97	<2	<5	<2	2	38	<.2	<2	39	44	.31	.075	4	25	.59	127	.05	<3	1.44	.07	.63	4	5
STANDARD C2/AU-R	19	56	33	134	7.0	71	34	1149	3.80	37	21	6	34	54	19.6	16	18	70	.52	.101	40	60	.96	191	.08	26	1.98	.06	.16	16	475

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
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ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 SILT P3 TO P4 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 10 1996 **DATE REPORT MAILED:** Sept 20/96 **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
D 90312	<1	20	126	263	1.3	25	10	673	3.55	6	<5	<2	8	291	1.5	<2	<2	56	2.71	.157	45	36	1.50	52	.07	<3	1.26	.01	.15	<2	2
D 90319	<1	24	90	672	14.6	44	9	926	3.34	19	<5	<2	6	137	5.1	<2	<2	66	1.64	.293	71	36	1.63	100	.06	<3	2.25	.02	.23	<2	3
D 90320	1	23	95	631	12.4	70	12	938	3.85	38	<5	<2	9	103	4.0	<2	<2	69	1.27	.243	59	48	1.59	92	.06	<3	2.15	.01	.15	<2	4
D 90326	<1	19	41	89	<.3	12	6	867	2.74	<2	5	<2	<2	124	1.3	<2	<2	64	.83	.109	30	34	.43	267	.05	<3	1.64	.01	.08	<2	3
D 90327	2	113	287	551	1.3	11	9	1219	2.95	12	6	<2	<2	121	8.3	<2	2	55	.96	.113	45	19	.41	182	.04	3	1.99	.01	.09	2	4
RE D 90327	2	104	274	527	1.3	11	8	1170	2.88	11	<5	<2	<2	116	7.8	2	11	54	.92	.114	42	17	.39	176	.04	3	1.93	.01	.08	3	3

Sample type: SILT. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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
0+50N 1+00W	<1	56	39	93	.4	13	12	519	3.37	7	<5	<2	6	26	<.2	<2	<2	72	.17	.122	13	19	.50	173	.10	<3	2.18	.01	.10	3	3
0+50N 0+75W	1	219	31	98	.6	20	15	381	4.93	10	<5	<2	3	53	<.2	<2	6	87	.26	.160	17	33	.64	208	.16	<3	4.51	.02	.14	<2	14
0+50N 0+50W	1	99	69	162	<.3	24	16	487	4.65	14	6	<2	8	35	<.2	<2	3	94	.23	.169	14	34	.79	219	.11	<3	3.86	.02	.14	17	5
0+50N 0+25W	2	444	43	103	.6	21	13	472	6.22	10	<5	<2	7	67	.8	<2	11	127	.26	.133	18	46	1.22	312	.20	<3	4.16	.02	.25	5	6
0+50N 0+00	1	376	60	108	.8	20	16	974	4.94	7	<5	<2	8	53	.6	2	3	105	.38	.168	18	37	.82	258	.21	6	3.22	.03	.15	2	9
0+50N 0+25E	1	804	33	101	1.0	20	15	401	6.90	9	<5	<2	7	48	1.1	<2	13	132	.17	.113	19	50	1.06	229	.23	4	4.20	.02	.20	4	5
0+50N 0+50E	1	299	24	106	.5	19	11	561	7.28	6	<5	<2	4	82	.9	<2	9	147	.26	.205	16	69	1.32	313	.26	3	4.04	.02	.19	11	2
0+50N 0+75E	2	688	66	101	.8	19	13	422	5.21	3	<5	<2	9	66	<.2	<2	3	103	.22	.118	25	42	.91	228	.19	6	3.92	.02	.20	3	48
0+50N 1+00E	1	288	24	92	<.3	26	18	426	5.57	8	<5	<2	7	52	.3	4	<2	109	.24	.253	15	57	.90	195	.22	7	4.19	.02	.13	<2	2
0+50N 1+25E	1	259	27	115	.5	18	38	929	6.05	6	<5	<2	7	56	.3	2	3	117	.25	.227	16	41	1.02	208	.22	5	3.73	.02	.16	2	2
0+50N 1+50E	1	227	21	58	<.3	19	18	223	5.99	<2	<5	<2	6	56	<.2	<2	2	116	.20	.090	12	46	.91	183	.25	5	4.81	.02	.12	<2	3
0+00 1+50W	1	55	62	178	.4	21	9	404	2.98	5	<5	<2	6	32	<.2	<2	<2	55	.21	.072	15	25	.46	176	.12	8	3.49	.02	.10	<2	3
0+00 1+25W	<1	31	44	176	.7	14	9	713	3.17	5	<5	<2	6	33	.4	<2	<2	63	.24	.109	15	22	.40	199	.11	7	2.81	.02	.09	<2	1
0+00 1+00W	<1	41	55	154	.3	19	11	566	3.35	6	<5	<2	5	25	<.2	<2	<2	69	.19	.106	19	27	.51	188	.12	5	3.56	.02	.11	<2	1
0+00 0+75W	<1	63	61	140	.4	20	13	851	3.39	5	<5	<2	9	31	.4	<2	<2	73	.27	.130	23	29	.62	203	.09	5	3.13	.02	.11	<2	2
0+00 0+50W	1	98	50	124	<.3	20	12	613	3.57	6	<5	<2	5	42	<.2	2	2	65	.29	.110	14	26	.49	183	.09	3	3.36	.02	.12	<2	3
0+00 0+25W	<1	64	46	189	.4	20	16	572	3.67	10	7	<2	8	25	<.2	3	2	67	.20	.139	15	23	.43	174	.14	<3	4.32	.02	.11	<2	4
0+00 0+00	<1	242	57	154	.3	27	19	512	4.55	7	<5	<2	7	41	<.2	<2	7	89	.24	.157	15	36	.76	225	.15	<3	4.01	.02	.14	5	3
RE 0+00 0+00	<1	220	54	141	.3	23	17	464	4.07	9	<5	<2	6	37	<.2	<2	8	81	.21	.144	14	32	.70	205	.14	<3	3.65	.02	.13	7	1
0+00 0+25E	1	531	55	123	.7	27	17	385	6.18	6	<5	<2	9	71	.9	<2	13	113	.24	.100	25	73	1.17	259	.22	<3	4.81	.02	.25	6	5
0+00 0+50E	1	497	35	104	.3	20	19	452	6.86	7	<5	<2	7	78	.8	<2	14	126	.20	.200	21	66	1.08	232	.23	<3	4.10	.02	.24	3	7
0+00 0+75E	1	324	59	111	.5	20	20	341	4.96	6	<5	<2	8	60	<.2	<2	4	99	.32	.117	28	45	.85	236	.19	<3	3.92	.02	.17	5	12
0+00 1+00E	1	386	50	135	1.2	23	17	313	4.69	2	9	<2	7	41	<.2	<2	2	90	.20	.154	13	31	.67	196	.21	<3	4.88	.02	.14	3	34
0+50S 1+50W	<1	21	69	236	.4	18	12	866	3.15	5	<5	<2	8	25	.5	<2	2	60	.20	.187	16	24	.42	235	.13	<3	3.90	.02	.10	<2	4
0+50S 1+25W	<1	22	53	321	.3	20	13	770	3.33	5	<5	<2	7	22	.8	2	<2	62	.19	.363	14	29	.43	183	.12	<3	3.90	.02	.10	<2	1
0+50S 1+00W	1	59	51	191	.7	17	11	585	3.85	5	<5	<2	7	34	1.2	<2	6	64	.20	.074	19	29	.50	198	.11	<3	3.31	.02	.11	<2	1
0+50S 0+75W	1	107	41	202	1.0	21	15	633	4.12	<2	<5	<2	8	42	1.0	<2	6	69	.25	.125	29	29	.58	206	.15	<3	3.84	.02	.15	<2	3
0+50S 0+50W	1	104	47	166	.8	18	10	353	3.96	4	<5	<2	6	48	.4	<2	17	72	.20	.110	16	32	.64	252	.12	<3	3.44	.02	.14	2	2
0+50S 0+25W	2	585	55	153	13.6	16	10	1143	7.21	5	<5	<2	7	81	1.3	<2	305	102	.24	.177	11	50	.82	316	.19	<3	3.76	.03	.16	<2	1
0+50S 0+00	1	111	48	174	.6	22	14	405	4.65	2	<5	<2	8	34	<.2	<2	2	88	.17	.110	15	31	.65	180	.15	<3	3.81	.02	.13	4	2
0+50S 0+25E	1	177	55	111	.6	21	11	307	5.08	5	<5	<2	7	64	<.2	<2	66	95	.29	.105	16	48	.84	246	.18	<3	4.71	.02	.16	<2	1
0+50S 0+50E	1	152	40	130	.7	24	14	488	5.52	2	<5	<2	5	64	.4	2	13	108	.28	.179	12	51	.89	244	.22	<3	4.37	.02	.20	2	7
0+50S 0+75E	3	416	29	81	.8	17	10	383	6.25	<2	<5	<2	12	93	.6	<2	23	109	.22	.174	34	44	.94	315	.21	<3	4.26	.02	.25	4	43
0+50S 1+00E	1	204	53	101	.4	20	14	368	4.48	4	<5	<2	7	56	<.2	<2	2	88	.25	.105	17	37	.71	214	.19	<3	4.23	.02	.15	5	4
STANDARD C2/AU-S	20	57	36	132	7.0	75	36	1167	3.89	43	18	9	39	52	20.0	18	15	71	.53	.107	40	62	.95	201	.08	33	1.96	.06	.15	15	46

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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
1+00S 1+50W	1	23	36	234	<.3	19	9	471	3.21	<2	<5	<2	6	26	1.0	2	<2	67	.25	.190	13	26	.52	156	.14	<3	4.21	.02	.08	<2	2
1+00S 1+25W	1	21	42	375	<.3	26	9	539	3.63	<2	<5	<2	6	26	.9	<2	<2	67	.24	.153	11	28	.56	192	.17	<3	5.27	.02	.09	<2	1
1+00S 1+00W	2	32	49	237	.3	21	15	638	3.46	<2	<5	<2	6	25	.9	2	<2	68	.24	.121	12	26	.55	127	.18	<3	4.91	.02	.08	<2	2
1+00S 0+75W	1	19	60	288	<.3	19	9	944	3.26	<2	<5	<2	4	23	.9	2	<2	65	.19	.191	17	24	.49	165	.10	<3	3.65	.01	.07	<2	2
1+00S 0+50W	1	42	59	304	<.3	28	13	453	3.98	<2	<5	<2	7	27	.5	2	<2	82	.19	.073	16	31	.80	180	.12	<3	4.10	.01	.12	<2	2
1+00S 0+25W	1	34	36	191	<.3	24	10	339	4.03	<2	<5	<2	5	27	.4	<2	<2	84	.17	.127	14	28	.70	153	.17	<3	4.56	.02	.10	<2	1
1+00S 0+00	1	26	63	298	<.3	20	11	445	3.78	<2	<5	<2	3	20	.5	<2	3	82	.15	.128	11	26	.56	152	.16	<3	3.99	.02	.08	<2	1
1+00S 0+25E	2	80	64	197	<.3	27	12	346	4.09	<2	<5	<2	7	27	.5	<2	3	83	.17	.094	14	32	.81	181	.17	<3	4.42	.02	.13	<2	2
1+00S 0+50E	1	96	72	160	<.3	23	12	394	4.52	2	<5	<2	6	33	.3	<2	3	93	.18	.106	15	37	.91	190	.17	<3	4.02	.01	.13	<2	3
RE 1+00S 0+50E	1	96	72	161	<.3	23	11	395	4.53	<2	<5	<2	6	33	.4	<2	3	92	.18	.107	16	37	.91	191	.17	<3	4.07	.02	.13	<2	2
1+00S 0+75E	2	172	52	174	.6	22	13	331	5.04	<2	<5	<2	14	40	.8	2	5	88	.22	.101	23	34	.85	186	.19	<3	4.75	.02	.12	2	31
1+00S 1+00E	2	139	74	240	.5	33	15	585	5.20	<2	<5	<2	9	85	.9	<2	5	82	.41	.137	29	41	.96	314	.18	<3	6.68	.03	.16	<2	3
STANDARD C2/AU-S	21	59	40	144	7.0	72	36	1199	3.95	37	20	8	36	52	20.2	14	18	72	.56	.109	40	65	1.03	194	.08	27	2.06	.06	.13	9	5

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon PROJECT SH File # 96-4559

907 W. Richards St., Nelson BC V1L 5T3

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
SHW 3+75N	2	15	16	80	<.3	11	7	513	5.05	5	<5	<2	9	35	<.2	<2	<2	68	.39	.059	26	30	.61	64	.15	<3	3.25	.01	.20	<2	1
SHW 3+50N	2	11	14	33	<.3	9	2	63	3.12	<2	13	<2	2	17	1.3	<2	3	39	.09	.058	32	19	.17	42	.17	<3	5.85	.02	.04	<2	<1
SHW 2+75N	3	19	19	88	<.3	19	5	297	4.26	9	<5	<2	2	33	1.3	2	<2	73	.20	.378	14	41	.50	58	.09	<3	2.52	.01	.09	<2	<1
SHW 2+50N	1	19	11	326	<.3	67	19	1426	4.37	<2	<5	<2	6	86	7.3	<2	<2	100	1.15	.270	19	42	1.77	60	.06	4	8.09	.04	.08	<2	<1
SHW 2+25N	3	20	21	126	<.3	26	7	382	4.96	5	<5	<2	2	45	1.4	<2	<2	90	.26	.300	15	42	.61	52	.11	<3	3.08	.01	.07	<2	<1
SHW 2+00N	2	15	20	150	.3	29	6	375	3.53	5	<5	<2	3	40	1.3	3	<2	57	.50	.262	17	36	.74	54	.10	<3	4.37	.02	.08	<2	<1
SHW 1+75N	2	19	12	159	.4	34	7	550	3.08	6	<5	<2	2	61	1.3	3	2	53	.59	.363	17	39	.73	48	.07	<3	2.42	.01	.08	<2	<1
SHW 1+50N	<1	15	14	167	<.3	37	9	475	2.99	5	<5	<2	2	67	1.3	<2	<2	52	.71	.520	16	33	.67	87	.06	<3	2.51	.01	.07	<2	2
SHW 1+25N	2	14	13	121	<.3	30	5	166	2.75	6	<5	<2	<2	72	1.0	3	<2	66	.34	.314	8	46	.48	47	.05	5	1.63	.01	.04	<2	<1
SHW 1+00N	1	21	15	135	<.3	25	7	515	3.37	4	<5	<2	<2	93	.6	<2	<2	65	.51	.281	14	37	.79	57	.09	<3	2.22	.01	.13	<2	3
SHW 0+75N	1	9	12	133	<.3	14	6	1185	3.68	<2	6	<2	2	113	<.2	4	<2	65	.38	.093	11	25	.77	119	.19	3	2.03	.02	.20	<2	1
SHW 0+50N	<1	13	10	135	.5	16	10	1303	3.44	<2	<5	<2	4	98	.4	<2	<2	54	.45	.303	46	21	.65	78	.12	<3	4.11	.02	.16	<2	1
SHW 0+25N	1	11	10	157	<.3	15	8	653	6.86	<2	<5	<2	5	58	<.2	5	<2	93	.36	.228	23	26	1.04	76	.18	5	3.90	.01	.21	<2	<1
RE SHW 3+00N	4	42	20	81	<.3	12	12	1825	6.91	<2	<5	<2	2	7	.3	<2	<2	104	.11	.081	11	51	.16	40	.21	<3	3.44	.02	.03	<2	<1
SH 3+75N	2	98	20	149	<.3	33	14	1336	3.31	4	23	<2	<2	67	2.9	<2	<2	53	1.49	.117	20	50	.31	113	.14	<3	5.56	.03	.04	2	1
SH 3+50N	1	95	18	205	.5	28	20	2160	3.68	10	16	<2	<2	68	2.5	3	<2	61	1.72	.214	20	73	.37	127	.11	<3	6.59	.02	.05	<2	<1
SH 3+25N	3	183	18	143	1.8	43	26	3725	3.99	31	21	<2	<2	70	4.1	<2	2	72	1.96	.183	35	134	.39	149	.11	<3	6.37	.01	.07	2	2
SH 3+00N	4	41	17	76	<.3	11	13	1929	6.53	<2	<5	<2	2	8	.5	<2	<2	93	.13	.082	12	43	.15	39	.20	<3	3.85	.02	.03	<2	<1
SH 2+75N	4	48	19	109	.4	19	13	1531	9.15	<2	<5	<2	2	10	.4	<2	<2	176	.12	.113	7	61	.41	59	.20	4	3.47	.01	.04	<2	<1
SH 2+50N	3	66	12	133	.4	46	26	1360	9.67	8	<5	<2	<2	17	<.2	6	<2	246	.21	.300	11	105	1.82	66	.10	4	4.06	.01	.07	<2	1
SH 2+25N	3	46	15	60	<.3	12	6	619	4.79	<2	<5	<2	<2	16	<.2	<2	<2	94	.40	.394	7	54	.25	80	.09	<3	2.00	.01	.05	<2	1
SH 2+00N	<1	40	10	103	<.3	61	22	1067	7.35	2	<5	<2	2	13	<.2	<2	<2	182	.20	.208	9	168	2.50	70	.07	4	3.95	.01	.08	<2	2
SH 1+75N	2	40	11	89	.5	57	22	1459	7.11	<2	<5	<2	<2	16	<.2	5	<2	191	.25	.095	5	168	1.70	74	.08	<3	3.75	.01	.06	<2	2
SH 1+50N	2	42	11	86	.3	60	27	1262	7.56	6	<5	<2	<2	7	.2	<2	<2	127	.04	.164	8	168	1.64	85	.03	<3	3.70	.01	.07	<2	1
SH 1+25N	4	86	66	153	6.9	61	34	1488	8.20	116	<5	<2	<2	16	.7	<2	<2	156	.17	.151	18	338	4.33	61	.05	<3	4.64	.01	.06	<2	1050
SH 1+00N	6	32	56	156	4.9	188	18	851	6.09	227	<5	<2	<2	18	1.0	4	<2	127	.23	.230	20	326	2.42	96	.05	4	3.70	.01	.07	<2	14
SH 0+75N	<1	21	26	188	1.5	56	8	404	2.43	6	<5	<2	<2	17	2.6	<2	<2	82	.54	.181	20	82	2.84	70	.07	6	3.58	.01	.07	<2	2
SH 0+50N	<1	21	23	261	1.4	78	7	582	2.35	3	<5	<2	<2	28	4.0	4	<2	234	1.07	.364	15	116	2.84	117	.06	4	3.54	.01	.09	<2	1
SH 0+25N	2	21	48	108	.5	25	5	335	4.25	4	<5	<2	3	18	1.0	<2	<2	85	.22	.196	12	50	.99	53	.13	<3	2.80	.01	.11	<2	1
STANDARD C2/AU-S	19	55	41	127	6.2	71	34	1175	3.90	38	17	6	34	50	19.4	18	14	68	.54	.107	36	59	1.00	184	.08	26	2.05	.06	.15	10	

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 18 1996 **DATE REPORT MAILED:** Sep 25/96 **SIGNED BY.** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon PROJECT CK File # 96-4560 Page 1

907 W. Richards St., Nelson BC V1L 5T3

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
2+50N 1+00W	1	49	36	215	<.3	18	10	1688	3.21	2	<5	<2	4	19	.3	2	<2	62	.16	.199	15	18	.44	220	.17	<3	4.22	.02	.07	2	6
2+50N 0+75W	3	70	30	133	<.3	15	10	2100	3.83	2	<5	<2	3	24	<.2	<2	2	86	.19	.234	11	17	.65	183	.18	<3	3.97	.02	.08	2	10
2+50N 0+50W	1	57	23	123	<.3	12	8	978	3.41	4	<5	<2	3	18	<.2	3	<2	72	.14	.134	8	22	.42	123	.18	<3	4.26	.02	.07	2	3
RE 2+50N 0+50W	4	60	27	126	<.3	12	9	1000	3.56	6	<5	<2	2	18	<.2	8	3	75	.14	.137	8	19	.43	126	.18	<3	4.46	.02	.07	3	13
2+50N 0+25W	2	41	32	150	<.3	17	12	998	3.50	2	<5	<2	4	15	<.2	3	<2	71	.12	.245	10	22	.51	132	.16	<3	5.21	.02	.07	3	4
2+50N 0+00	2	30	23	134	<.3	15	10	341	3.47	3	<5	<2	3	15	<.2	4	<2	68	.13	.205	9	19	.46	126	.19	<3	5.69	.02	.08	3	<1
2+50N 0+25E	2	68	36	103	<.3	16	10	303	3.58	<2	<5	<2	5	22	<.2	2	2	87	.20	.092	14	21	.67	127	.17	3	4.45	.02	.09	2	4
2+50N 0+50E	2	49	35	140	<.3	18	12	366	3.61	<2	<5	<2	4	15	<.2	2	<2	84	.14	.125	8	16	.55	137	.18	<3	4.72	.02	.08	4	1
2+50N 0+75E	2	49	32	114	<.3	14	8	306	4.02	3	<5	<2	4	18	<.2	<2	2	102	.16	.099	8	21	.50	128	.22	<3	3.85	.02	.08	2	2
2+50N 1+00E	2	172	40	86	<.3	18	10	387	4.25	2	<5	<2	7	26	<.2	<2	3	104	.21	.144	20	27	.98	176	.19	<3	3.95	.03	.16	4	10
2+50N 1+25E	1	136	26	101	<.3	20	11	299	4.16	<2	<5	<2	7	22	<.2	<2	2	93	.22	.147	13	35	.73	131	.16	5	4.19	.02	.10	4	
2+50N 1+50E	<1	88	20	105	<.3	16	9	247	3.45	<2	5	<2	6	21	<.2	<2	2	74	.18	.129	11	23	.51	133	.17	3	4.56	.02	.08	2	
2+00N 1+00W	2	56	21	118	<.3	15	12	478	3.91	<2	<5	<2	4	23	<.2	<2	2	74	.18	.201	9	11	.47	134	.20	<3	5.40	.02	.08	4	6
2+00N 0+75W	<1	57	27	129	<.3	17	13	972	3.53	2	<5	<2	3	22	<.2	4	<2	74	.19	.163	10	18	.47	152	.19	<3	4.41	.03	.07	2	19
2+00N 0+50W	<1	105	27	129	<.3	20	17	428	4.15	3	<5	<2	5	28	<.2	3	2	81	.26	.161	12	24	.55	144	.21	4	5.09	.02	.10	3	1
2+00N 0+25W	2	52	34	149	<.3	16	14	403	3.86	<2	<5	<2	4	22	<.2	<2	<2	77	.17	.149	14	27	.62	171	.17	<3	4.66	.02	.10	3	3
2+00N 0+00	2	43	31	85	<.3	13	8	220	3.62	6	<5	<2	3	28	<.2	2	3	82	.26	.078	9	24	.46	122	.18	<3	3.57	.02	.07	3	2
2+00N 0+25E	2	120	26	110	<.3	13	16	492	4.08	9	<5	<2	4	25	<.2	3	3	81	.15	.275	14	23	.41	128	.19	<3	3.27	.02	.08	3	6
2+00N 0+50E	2	328	30	350	.5	27	57	681	4.60	2	<5	<2	4	28	.6	3	5	82	.20	.234	14	25	.66	152	.20	<3	5.40	.03	.12	5	3
2+00N 0+75E	2	214	26	126	<.3	20	15	618	4.40	3	<5	<2	5	37	.2	2	<2	99	.22	.106	21	29	.80	167	.19	<3	4.28	.03	.12	4	5
2+00N 1+00E	4	169	23	113	<.3	17	16	348	4.66	5	<5	<2	5	41	<.2	2	<2	91	.23	.198	18	27	.80	160	.17	<3	4.98	.02	.15	6	59
2+00N 1+25E	2	167	31	128	.3	19	16	425	4.70	<2	<5	<2	6	44	<.2	<2	2	89	.21	.129	18	36	.79	174	.21	3	5.01	.03	.13	4	4
2+00N 1+50E	2	128	18	96	<.3	14	12	488	5.55	2	<5	<2	7	41	<.2	<2	2	93	.17	.404	15	38	.81	214	.23	4	5.54	.03	.16	4	<1
1+50N 1+00W	2	75	26	144	<.3	21	15	288	4.10	5	<5	<2	5	24	<.2	<2	2	74	.20	.205	10	28	.54	159	.20	3	4.70	.02	.11	3	1
1+50N 0+75W	2	98	24	124	<.3	24	15	346	4.80	<2	<5	<2	3	33	<.2	2	<2	95	.19	.240	11	35	.84	183	.21	<3	4.70	.02	.13	3	7
1+50N 0+50W	1	61	37	109	<.3	18	12	340	4.43	4	<5	<2	5	25	<.2	<2	<2	92	.20	.272	13	33	.63	155	.15	7	3.54	.02	.09	2	47
1+50N 0+25W	2	219	44	175	1.0	21	28	575	4.59	4	<5	<2	4	41	.2	<2	5	66	.23	.155	39	27	.49	173	.19	<3	4.76	.02	.11	4	1
1+50N 0+00	2	93	34	100	<.3	20	11	296	3.63	<2	<5	<2	6	31	<.2	<2	<2	84	.26	.062	14	31	.71	173	.20	<3	4.08	.03	.10	4	7
1+50N 0+25E	3	85	35	92	<.3	19	13	350	4.15	<2	<5	<2	5	40	<.2	<2	3	94	.24	.182	13	29	.72	171	.19	<3	3.89	.02	.12	3	2
1+50N 0+50E	2	217	25	115	<.3	21	18	488	4.61	<2	<5	<2	5	36	<.2	2	3	90	.21	.153	15	38	.70	178	.19	<3	4.35	.02	.11	4	
1+50N 0+75E	3	85	19	95	<.3	16	11	290	3.42	<2	<5	<2	6	21	<.2	<2	3	62	.14	.097	16	23	.47	145	.22	<3	4.82	.03	.09	4	1
1+50N 1+00E	3	123	18	71	<.3	18	11	289	3.83	2	<5	<2	6	31	<.2	<2	<2	75	.20	.111	15	32	.66	156	.20	<3	4.99	.03	.10	3	3
1+50N 1+25E	2	206	20	86	<.3	20	13	370	6.10	<2	10	<2	7	45	<.2	<2	<2	114	.17	.125	20	49	1.17	214	.25	<3	4.83	.03	.22	6	<1
1+50N 1+50E	2	250	17	115	<.3	17	15	349	6.27	<2	<5	<2	5	36	<.2	<2	4	117	.17	.237	14	47	.91	184	.24	<3	4.51	.02	.15	5	6
1+50N 1+75E	2	328	14	95	<.3	21	16	325	5.16	<2	<5	<2	5	43	<.2	3	4	90	.21	.133	17	38	.94	163	.22	4	4.92	.03	.15	10	21
STANDARD C2/AU-S	20	56	36	129	6.5	70	35	1158	3.93	34	17	6	34	49	19.5	17	14	68	.54	.102	39	64	1.01	188	.08	29	2.04	.06	.14	11	51

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 18 1996 DATE REPORT MAILED: Sep 26/96 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
1+00N 1+00W	1	184	22	122	.5	24	19	337	4.59	5	<5	<2	6	37	.6	<2	5	112	.20	.113	15	37	1.03	202	.26	<3	4.75	.03	.19	2	80
1+00N 0+75W	1	87	32	108	<.3	25	14	393	3.89	3	<5	<2	5	42	.5	<2	3	79	.30	.091	15	37	.74	195	.20	<3	4.22	.03	.12	2	16
1+00N 0+50W	1	124	33	120	<.3	23	14	299	4.29	3	<5	<2	6	34	<.2	<2	2	89	.18	.111	15	33	.66	183	.18	<3	4.28	.02	.13	4	53
RE 1+00N 0+50W	1	122	37	119	<.3	23	13	294	4.25	5	<5	<2	6	33	<.2	<2	2	89	.18	.109	15	31	.65	181	.18	<3	4.21	.02	.12	4	25
1+00N 0+25W	1	231	53	176	.4	28	16	401	4.07	<2	<5	<2	5	27	<.2	<2	4	79	.20	.108	16	36	.65	171	.17	<3	4.02	.02	.11	3	60
1+00N 0+00W	1	225	30	119	.6	27	20	419	5.02	<2	<5	<2	7	45	.2	<2	10	100	.21	.162	18	46	.97	250	.22	<3	4.11	.02	.21	2	4
1+00N 0+25E	1	530	36	90	.3	28	14	317	5.38	5	<5	<2	8	46	<.2	<2	7	101	.22	.120	23	51	1.02	168	.20	<3	4.39	.02	.19	4	6
1+00N 0+50E	2	184	33	76	<.3	20	10	251	4.66	<2	<5	<2	4	55	<.2	<2	9	83	.24	.093	18	33	.69	207	.19	<3	3.71	.02	.16	8	19
1+00N 0+75E	1	239	24	87	.7	16	21	323	4.10	<2	<5	<2	5	28	<.2	<2	7	65	.16	.104	26	32	.44	108	.21	<3	3.33	.02	.09	3	7
1+00N 1+00E	1	529	19	79	.3	16	24	311	8.25	2	<5	<2	5	93	.5	<2	2	172	.20	.127	17	69	1.68	307	.29	<3	4.07	.02	.42	3	2
1+00N 1+25E	1	336	11	68	.5	22	17	257	6.25	<2	<5	<2	4	57	<.2	<2	10	135	.27	.067	11	74	1.35	216	.27	<3	4.37	.02	.24	3	2
1+00N 1+50E	1	449	13	102	.9	23	24	293	5.93	<2	<5	<2	6	42	<.2	<2	12	113	.15	.210	15	51	1.07	162	.24	<3	4.47	.02	.20	5	
STANDARD C2/AU-S	20	58	36	131	6.9	74	37	1138	3.94	39	21	9	34	52	20.9	18	20	72	.53	.103	37	64	.99	194	.08	25	2.01	.06	.15	14	.

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon PROJECT SH File # 96-4928 Page 1

907 W. Richards St., Nelson BC V1L 5T3

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
D 90329	2	37	<3	4	<.3	23	7	220	1.23	26	<5	<2	<2	3	<.2	<2	2	3	.12	.009	2	28	.03	6	<.01	<3	.06	.01	.01	7	5
D 90331	5	50	3147	49692	56.6	5	2	12739	1.72	32	<5	<2	<2	1277	394.0	4	<2	<1	41.40	.003	5	5	.74	6	<.01	<3	.04	.01	.01	<2	23
D 90332	4	887	60	334	2.9	10	7	354	2.66	8	<5	<2	18	50	2.2	<2	6	81	.73	.068	14	26	.58	43	.12	<3	1.33	.16	.28	4	4
D 90333	12	125	8	225	<.3	18	11	327	4.70	16	8	<2	3	167	<.2	4	3	114	1.90	.087	7	30	1.23	94	.23	<3	3.73	.54	.55	34	4
D 90334	9	101	22	240	.4	16	11	330	3.98	6	<5	<2	4	120	1.2	<2	<2	100	1.48	.083	7	22	1.02	54	.19	4	2.53	.40	.57	6	20
D 90335	1	7	6	25	.6	41	3	956	1.79	17	<5	<2	<2	1286	<.2	<2	<2	12	28.93	.037	4	34	6.92	40	<.01	<3	.27	.01	.02	<2	2
D 90336	1	6	28	65	3.8	545	32	1262	2.69	279	9	<2	<2	710	.7	2	2	22	13.35	.047	5	424	3.91	57	<.01	<3	.63	<.01	.05	<2	4
D 90337	<1	14	41	85	1.0	94	8	1004	1.84	15	<5	<2	<2	900	.6	<2	3	52	23.46	.096	13	132	2.75	39	<.01	3	1.60	<.01	.03	<2	4
D 90338	<1	55	7	73	1.8	87	28	965	5.80	<2	<5	<2	6	289	.9	<2	<2	129	3.23	.203	58	107	4.19	2313	.33	<3	3.99	.15	1.05	<2	2
D 90339	1	33	19	138	2.3	44	12	1522	2.48	<2	<5	<2	3	69	.8	<2	3	72	.81	.089	17	62	2.73	323	.06	3	1.97	.04	.22	4	902
D 90340	2	13	8	51	3.2	443	31	832	3.31	315	<5	<2	<2	1213	.5	<2	2	31	18.05	.016	9	780	7.24	68	<.01	<3	.96	.01	<.01	<2	12
D 90341	1	4	9	28	1.6	79	5	1095	.78	30	15	<2	<2	1681	.3	<2	<2	11	38.88	.022	4	47	1.02	22	<.01	<3	.35	<.01	.01	<2	10
RE D 90341	<1	5	6	30	2.1	80	5	1126	.78	30	<5	<2	<2	1752	.4	<2	2	12	40.00	.023	4	47	1.03	23	<.01	<3	.36	<.01	.02	<2	5
D 90342	<1	5	9	15	1.2	21	4	759	2.89	50	<5	<2	<2	1380	<.2	<2	<2	14	36.14	.071	6	19	2.60	64	<.01	<3	.15	<.01	.06	<2	13
D 90343	1	4	28	44	.6	13	2	872	1.44	19	<5	<2	<2	1167	.5	<2	2	11	28.53	.049	6	9	1.28	61	<.01	<3	.19	<.01	.07	<2	8
D 90344	1	71	14	101	4.3	127	29	1030	5.42	3	<5	<2	5	245	1.8	<2	2	124	2.56	.185	49	120	4.39	2074	.29	<3	4.20	.11	.87	<2	372
D 90345	1	5	25	35	.6	9	2	765	1.99	31	<5	<2	<2	1225	.4	<2	<2	13	27.26	.073	5	6	3.80	63	<.01	<3	.16	<.01	.06	<2	16
D 90346	<1	4	83	26	1.8	16	5	764	4.22	99	<5	<2	<2	1411	.3	<2	<2	14	31.54	.067	5	7	2.64	71	<.01	<3	.15	<.01	.05	<2	50
STANDARD C2/AU-R	20	56	37	129	6.8	69	35	1135	3.74	39	17	7	34	55	19.8	17	14	68	.58	.105	36	62	.98	191	.07	27	1.99	.06	.15	11	447

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 SILT P3 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 30 1996 DATE REPORT MAILED: Oct 11/96 SIGNED BY. .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
D 90328	<1	31	21	124	.8	36	14	847	3.62	5	<5	<2	8	51	.7	<2	<2	68	.68	.125	39	53	1.21	82	.09	<3	2.14	.01	.19	<2	2
D 90330	<1	32	25	126	.8	36	14	883	3.71	6	<5	<2	8	57	.6	<2	<2	69	.74	.120	42	54	1.22	83	.09	<3	2.15	.01	.19	<2	42
RE D 90328	<1	31	27	124	.9	35	14	842	3.69	4	<5	<2	9	51	.7	<2	<2	69	.70	.129	38	53	1.21	88	.09	<3	2.15	.01	.20	<2	2

Sample type: SILT. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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
1+25N A	8	31	139	333	10.6	112	18	3307	7.08	99	<5	<2	5	89	5.3	<2	<2	111	1.40	.411	63	159	1.83	163	.04	<3	3.47	.01	.10	<2	121
1+25N B	4	84	108	235	6.7	77	33	2954	7.92	151	9	<2	4	33	1.8	<2	3	168	.44	.251	26	288	4.14	102	.05	<3	4.22	.01	.09	<2	1128
1+25N C	2	82	36	152	2.2	130	43	1614	7.39	36	<5	<2	8	76	1.3	9	4	172	.53	.101	53	128	4.51	746	.32	<3	5.71	.03	.42	4	33
SHB 0+00	1	52	18	134	1.3	65	18	939	4.72	4	<5	<2	6	28	.6	<2	<2	92	.32	.057	37	96	1.73	155	.13	<3	4.02	.01	.17	<2	6
SHB 0+25E	2	82	30	195	3.8	83	24	1970	5.79	8	<5	<2	7	48	1.3	<2	<2	110	.77	.085	133	122	1.72	270	.11	<3	5.92	.02	.24	<2	5
SHB 0+50E	1	43	16	150	1.2	54	14	529	5.48	5	<5	<2	7	38	.7	4	2	95	.77	.070	58	95	1.25	151	.18	<3	4.70	.01	.14	<2	4
RE SHB 0+50E	1	41	18	146	1.2	54	13	517	5.37	3	<5	<2	7	37	.5	<2	<2	93	.76	.070	57	93	1.23	147	.18	<3	4.61	.02	.14	<2	3
SHB 0+75E	1	81	22	201	2.0	81	21	1853	5.90	<2	<5	<2	5	46	1.0	<2	2	106	.91	.084	88	120	1.58	255	.11	<3	5.14	.01	.26	<2	3
SHB 1+00E	1	77	21	237	1.2	72	18	1685	5.91	10	<5	<2	9	44	1.7	7	<2	101	.79	.085	61	109	1.46	244	.15	<3	5.56	.02	.23	2	2
SHB 1+25E	<1	25	15	125	.4	39	14	686	4.28	3	<5	<2	8	36	.3	5	<2	71	.79	.086	39	58	1.17	133	.12	<3	4.24	.01	.17	<2	2
SHB 1+50E	<1	21	10	98	.3	31	12	627	3.83	<2	<5	<2	9	33	<.2	<2	2	62	.63	.042	27	47	1.02	116	.14	<3	3.53	.01	.16	<2	*
SHB 1+75E	1	23	16	135	.6	32	13	714	3.89	<2	<5	<2	7	52	.5	<2	2	55	1.33	.100	34	46	.80	102	.16	<3	6.01	.02	.09	<2	

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon PROJECT SH File # 96-5350

907 W. Richards St., Nelson BC V1L 5T3

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
D 90240	2	1	4	12	<.3	7	1	590	1.00	9	<5	<2	<2	1568	.4	<2	<2	9	29.13	.075	4	8	2.20	58	<.01	<3	.13	<.01	.06	<2	1
D 90241	3	9	14	49	1.2	8	2	1231	1.80	20	<5	<2	<2	998	.4	<2	<2	20	25.53	.038	6	14	2.78	24	<.01	<3	.45	<.01	.01	<2	12
D 90242	2	66	57	119	3.2	6	4	1185	2.49	29	<5	<2	<2	1136	1.5	<2	3	16	25.84	.027	2	12	2.09	32	<.01	<3	.46	.01	.03	<2	1
D 90243	3	17	6	69	.7	13	2	1065	1.51	8	<5	<2	<2	44	.5	<2	<2	21	1.12	.032	5	20	.39	30	<.01	<3	.45	<.01	.02	2	17
D 90244	38	19	86	16	67.4	436	583	399	49.35	1427	13	<2	<2	47	2.3	18	<2	183	.27	.062	4	55	.05	119	<.01	<3	.27	<.01	.02	3	430
D 90245	2	2	79	72	1.9	14	5	832	3.00	74	5	<2	<2	1234	1.3	2	<2	17	27.53	.067	3	10	2.07	59	<.01	<3	.16	<.01	.05	<2	24
RE D 90245	2	2	74	82	1.8	14	5	863	3.11	74	<5	<2	<2	1269	1.4	<2	<2	18	28.58	.069	3	11	2.15	62	<.01	<3	.17	<.01	.05	<2	26
D 90246	34	20	62	48	47.5	95	119	1816	29.43	831	19	<2	<2	62	5.7	14	<2	216	.56	.114	11	36	.22	128	<.01	<3	.46	<.01	.04	6	224
D 90247	3	4	92	193	2.0	23	8	1003	2.49	54	<5	<2	<2	1312	2.0	2	2	23	27.35	.088	7	10	3.02	76	<.01	<3	.24	<.01	.08	<2	33
D 90248	1	5	25	85	2.5	37	3	1358	2.35	49	<5	<2	<2	781	1.7	<2	<2	25	22.54	.052	8	32	3.05	53	<.01	<3	.39	<.01	.06	<2	20
D 90249	6	4	18	35	3.7	21	15	1165	6.13	111	<5	<2	<2	826	1.0	<2	<2	22	30.49	.087	7	9	.79	63	<.01	<3	.15	<.01	.06	<2	300
STANDARD C2/AU-R	19	58	36	140	6.9	70	36	1160	4.11	43	21	6	31	55	20.6	12	19	72	.52	.106	37	63	.99	198	.09	29	2.05	.06	.16	14	457

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 16 1996 DATE REPORT MAILED: Oct 25/96 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon PROJECT CK File # 96-5183

907 W. Richards St., Nelson BC V1L 5T3

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
D 90230	9	541	8	100	<.3	19	18	583	6.33	16	<5	<2	2	148	.5	<2	<2	218	.92	.130	8	79	2.86	128	.31	<3	3.66	.25	1.85	3	4
D 90231	1	400	4	74	<.3	14	12	690	8.15	8	<5	<2	3	115	.5	<2	7	169	1.22	.233	20	64	2.70	448	.30	<3	3.78	.15	1.15	<2	4
D 90232	2	398	<3	72	<.3	20	10	482	5.33	<2	<5	<2	2	132	.2	<2	<2	164	1.76	.132	10	55	1.71	65	.20	<3	4.26	.37	.86	<2	3
D 90233	1	58	3	93	<.3	33	18	913	5.79	<2	6	<2	25	60	<.2	<2	<2	64	.76	.236	68	67	1.68	351	.25	<3	2.77	.07	1.67	<2	<1
RE D 90233	1	58	5	95	<.3	34	18	928	5.93	<2	<5	<2	26	60	<.2	<2	<2	66	.77	.239	67	69	1.72	356	.25	<3	2.83	.07	1.70	<2	<1
D 90234	11	72	16	57	<.3	16	4	208	2.31	4	<5	<2	24	29	<.2	<2	<2	41	.50	.137	43	24	.59	58	.13	<3	.99	.06	.08	27	1
D 90235	4	165	5	48	<.3	19	11	243	4.42	7	<5	<2	2	184	<.2	2	3	145	1.98	.110	5	31	1.24	111	.23	<3	3.86	.38	.85	3	34
D 90236	1	235	<3	50	<.3	14	20	488	5.12	<2	<5	<2	<2	121	.2	<2	<2	147	1.67	.155	3	26	1.58	156	.26	<3	3.55	.35	1.23	<2	39
D 90237	2	70	5	39	<.3	16	3	354	3.51	<2	<5	<2	12	287	<.2	<2	3	63	1.49	.341	64	29	1.24	854	.26	<3	2.22	.19	.66	<2	2
D 90238	3	75	11	14	<.3	4	1	101	2.21	<2	5	<2	26	27	<.2	<2	<2	15	.30	.065	46	16	.39	49	.10	<3	.69	.06	.08	6	2
D 90239	2	290	8	12	<.3	7	3	100	2.57	<2	<5	<2	2	35	<.2	<2	153	43	.29	.093	7	17	.44	88	.07	<3	1.15	.07	.57	2	*
D 90347	3	246	8	29	<.3	7	5	154	2.07	<2	10	<2	24	22	<.2	<2	<2	18	.27	.060	46	15	.39	56	.10	<3	.73	.06	.09	7	
D 90348	2	203	<3	31	<.3	63	16	312	4.59	<2	14	<2	11	701	.3	2	2	75	2.90	.529	89	76	1.64	260	.22	<3	3.37	.37	.73	<2	<1
D 90349	3	1142	<3	24	3.1	8	2	272	4.53	<2	<5	<2	2	106	<.2	<2	6	172	.63	.101	7	42	1.97	282	.26	<3	3.24	.20	1.50	2	34
D 90350	3	178	11	21	<.3	8	6	70	1.05	<2	19	<2	29	20	<.2	2	<2	10	.18	.048	25	16	.20	43	.06	<3	.44	.06	.09	11	3
STANDARD C2/AU-R	19	56	36	139	6.9	69	33	1160	4.07	38	18	8	34	51	19.2	15	17	69	.54	.106	38	60	.99	183	.08	26	2.03	.06	.12	11	479

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ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
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ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon PROJECT SH File # 96-5182

907 W. Richards St., Nelson BC V1L 5T3

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 51925	1	399	31717	99999	66.4	9	33	22273	18.13	155	6	<2	<2	46	2081.8	34	37	18	2.20	.005	9	309	1.04	11	<.01	<3	1.17	.01	<.01	2	32
B 51926	13	664	20452	52955	34.0	19	20	16015	17.86	2628	5	<2	<2	84	425.2	11	<2	17	2.90	.019	7	28	.83	53	<.01	<3	.68	.01	.01	2	119
B 51927	3	140	20979	10253	25.7	9	4	12072	7.28	124	<5	<2	3	48	52.4	16	<2	18	.69	.067	7	29	.28	29	<.01	<3	1.06	<.01	.13	<2	21
B 51928	2	560	20136	14457	25.0	<1	3	27647	13.64	71	<5	<2	<2	206	88.0	16	<2	10	10.39	.059	13	44	.22	20	.01	<3	.40	<.01	.03	<2	30
B 51929	<1	931	24674	72107	120.0	12	21	10597	24.81	76	15	<2	<2	57	603.9	91	<2	3	1.59	.028	2	<1	.12	6	<.01	<3	.17	<.01	<.01	2	95
B 51930	<1	465	23560	53283	196.2	6	14	4388	20.87	100	9	<2	<2	14	372.9	162	6	3	.44	.025	1	51	.10	4	<.01	<3	.12	<.01	<.01	2	400
B 51931	1	20	842	741	1.0	3	1	177	.97	<2	17	<2	2	126	3.5	<2	9	1	1.02	.003	2	11	.01	14	<.01	<3	.23	.04	.07	<2	26
B 51932	2	25	3127	861	4.1	8	2	207	2.67	2	<5	<2	4	7	4.4	3	302	2	.06	.022	13	21	.06	10	<.01	27	.25	.01	.02	2	1140
B 51933	<1	601	6502	99999	20.8	28	91	5551	23.02	38857	10	<2	2	10	2674.4	83	4	5	.17	.018	2	209	.06	6	<.01	<3	.10	<.01	<.01	2	243
RE B 51933	1	604	6379	99999	20.6	30	92	5488	22.66	38896	6	<2	<2	10	2675.7	93	4	4	.16	.018	2	245	.06	6	<.01	3	.10	<.01	<.01	2	250
B 51934	5	215	8871	36967	20.5	<1	13	38791	18.42	26205	11	<2	2	113	253.0	78	2	6	4.70	.063	6	40	.61	27	<.01	<3	.15	.01	<.01	2	235
B 51935	3	1920	75	1311	3.6	8	2	799	1.30	221	6	<2	<2	2	6.6	<2	4	1	.11	.003	2	20	.02	9	<.01	<3	.04	<.01	.01	3	22

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ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
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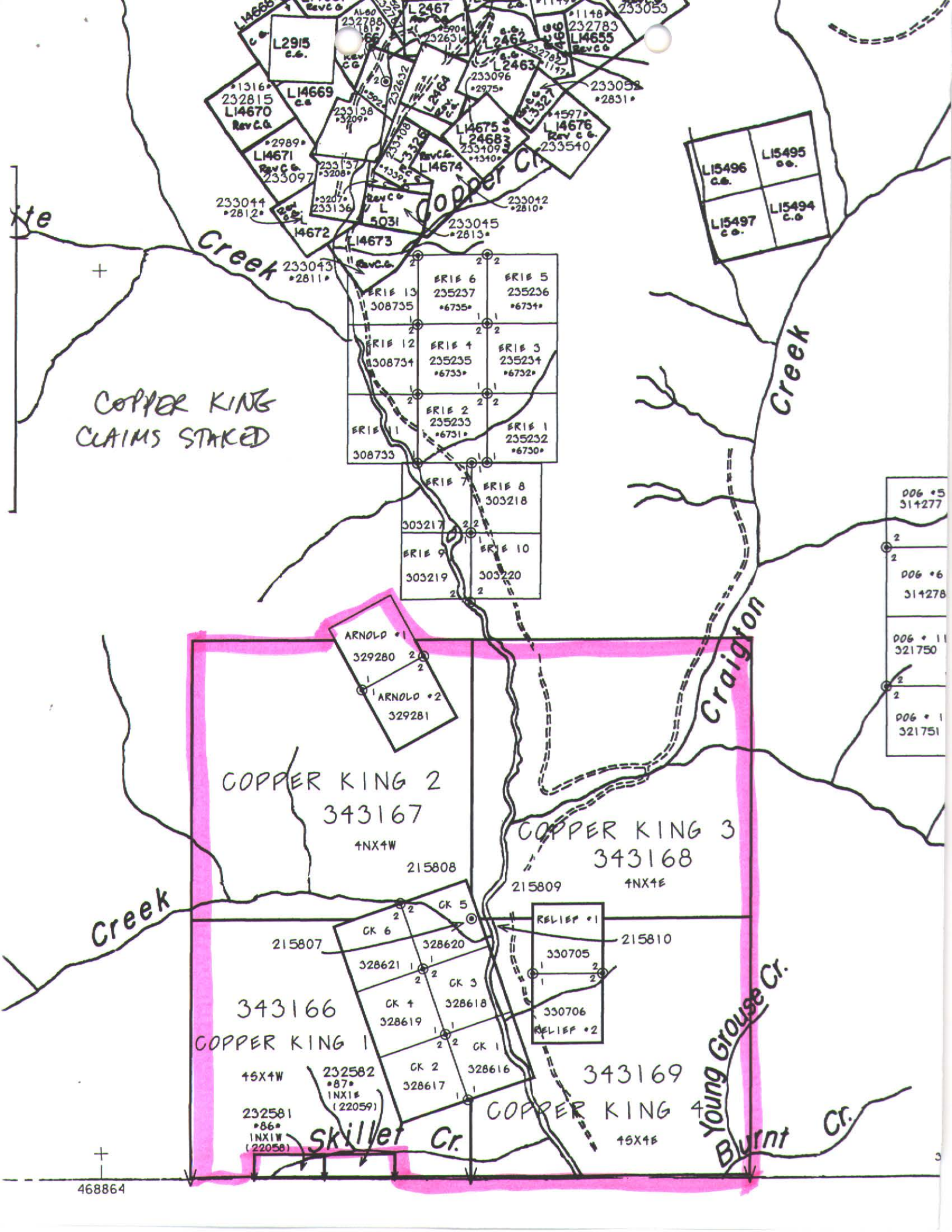
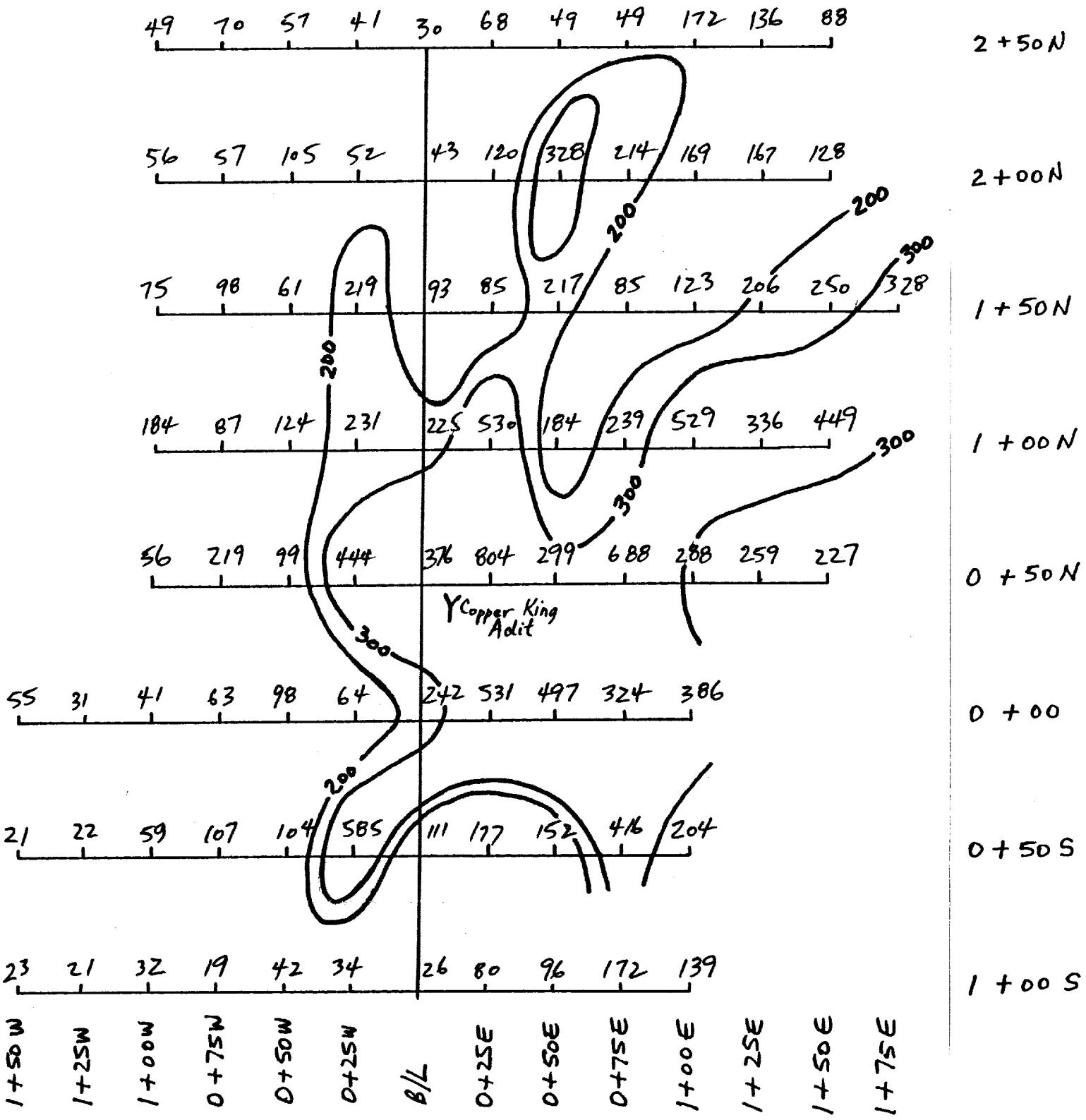

COPPER KING CLAIMS STAKED
COPPER KING 2
343167
4NX4W
215808
COPPER KING 3
343168
4NX4E
215809
343166
COPPER KING 1
4SX4W
343169
COPPER KING 4
4SX4E
215807
215810
ARNOLD #1
329280
ARNOLD #2
329281
CK 5
CK 6
328620
328621
CK 3
328618
CK 4
328619
CK 1
328616
CK 2
328617
RELIEF #1
330705
RELIEF #2
330706
232582
#87
1NX1E
(22059)
232581
#86
1NX1W
(22058)
ERIE 6
235237
#6735
ERIE 5
235236
#6734
ERIE 13
308735
ERIE 12
308734
ERIE 4
235235
#6733
ERIE 3
235234
#6732
ERIE 2
235233
#6731
ERIE 1
235232
#6730
ERIE 11
308733
ERIE 7
ERIE 8
303218
303217
ERIE 9
303219
ERIE 10
303220
L15496 c.g.
L15495 c.g.
L15497 c.g.
L15494 c.g.
L2915 c.g.
L14669 c.g.
L14670 Rev c.g.
232815
L14671 Rev c.g.
233097
L14672
L14673 Rev c.g.
L14674 Rev c.g.
L 5031
L14675
L24683
233409
#1340
L14676 Rev c.g.
233540
L2467
L2462
L2463
233096
#2975
L2464
L3327
L14655 Rev c.g.
232783
233053
#2831
233044
#2812
233043
#2811
233045
#2813
233042
#2810
Copper Cr.
Creek
Craigton Creek
Skillet Cr.
Young Grouse Cr.
Burnt Cr.
468864

FIGURE D: COPPER KING



LEGEND

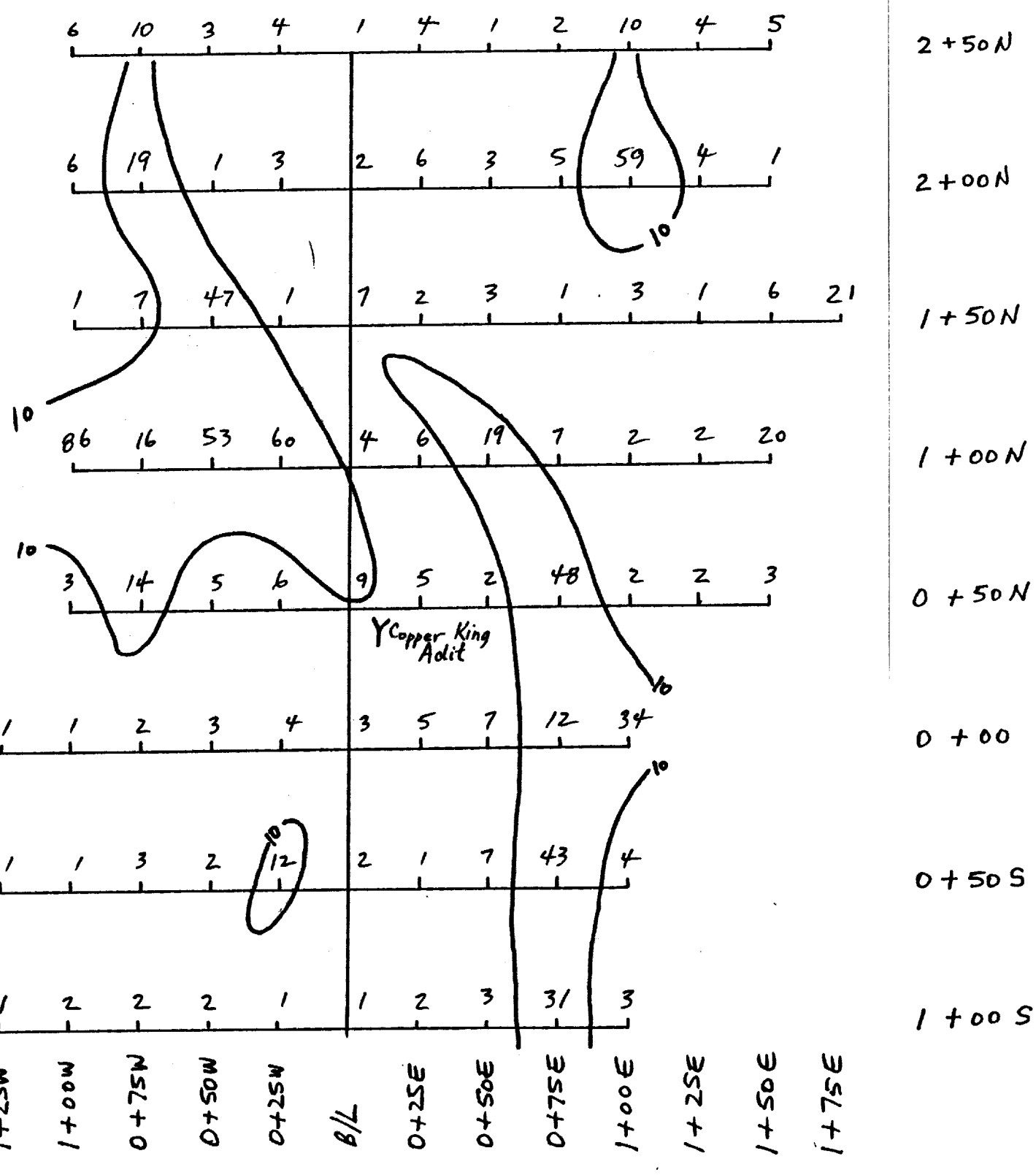
ADIT
SHAFT
PIT/TRENCH
STRIKE/DIP
SILT SAMPLE
ROCK SAMPLE
SOIL LINE/SAMPLE
CREEK
ROAD
TRAIL

SCALE: 1:2000

0 25 50 75 100 200
metres

COPPER IN SOILS (ppm)

FIGURE D: COPPER KING



LEGEND

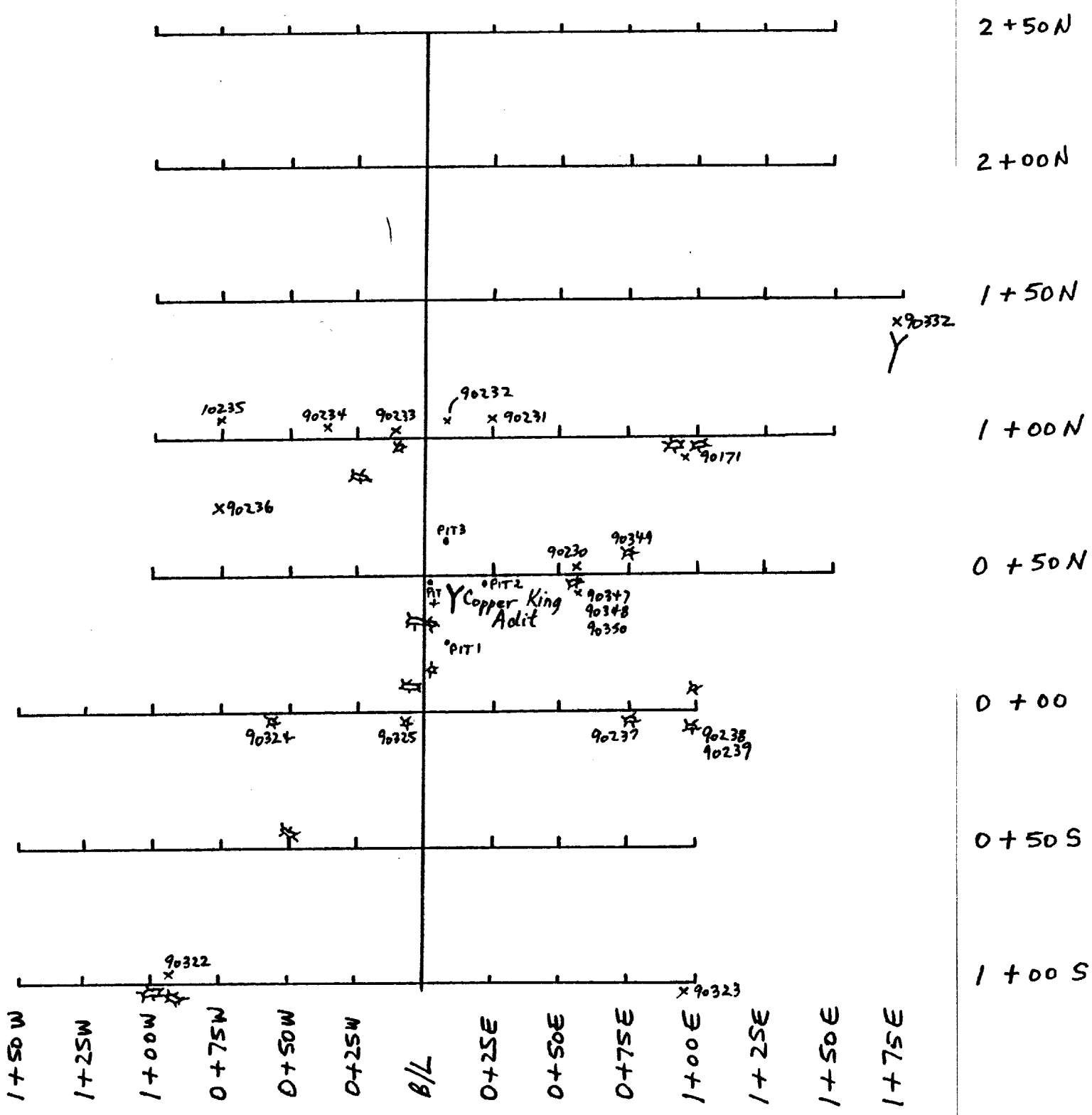
ADIT
SHAFT
PIT/TRENCH
STRIKE/DIP
SILT SAMPLE
ROCK SAMPLE
SOIL LINE/SAMPLE
CREEK
ROAD
TRAIL

SCALE: 1:2000

0 25 50 75 100 200
metres

GOLD IN SOILS (ppb)

FIGURE D: COPPER KING



LEGEND

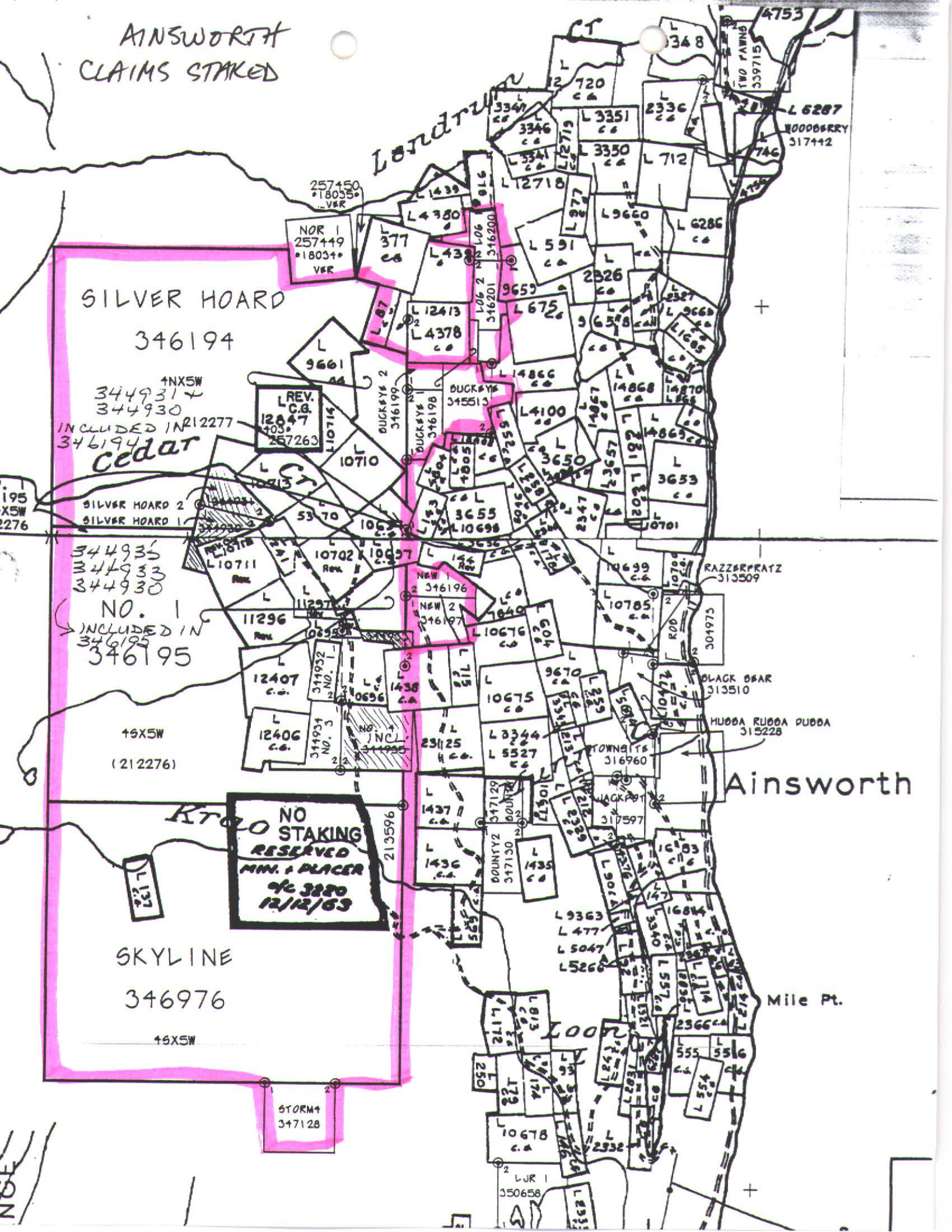
ADIT
SHAFT
PIT/TRENCH
STRIKE/DIP
SILT SAMPLE
ROCK SAMPLE × 90231
SOIL LINE/SAMPLE
CREEK
ROAD
TRAIL

SCALE: 1:2000

0 25 50 75 100 200
metres

ROCK SAMPLE LOCATIONS / WORKINGS

COPPER KING PROJECT
(Left: Copper King adit; Right: Hand trenching of soil anomaly)


AINSWORTH
CLAIMS STAKED
SILVER HOARD
346194
4NX5W
344931
344930
INCLUDED IN 346194
cedar
SILVER HOARD 2
SILVER HOARD 1
344935
344933
344930
NO. 1
INCLUDED IN
346195
346195
4SX5W
(212276)
NO STAKING
RESERVED
MIN. & PLACER
W/C 3250
12/12/63
SKYLINE
346976
4SX5W
STORM 1
347128
Lendrum
Ainsworth
Mile Pt.
Loon
KTCO
RAZZERFRATZ
313509
BLACK BEAR
313510
HUBBA RUBBA DUBBA
315228
TOWNSITE
316960
JACKPOT
317597
WOODBERRY
317442
TWO FAWNS
339715
BUCKEYE 1
346198
BUCKEYE 2
346199
BUCKEYE
345513
NEW 1
346196
NEW 2
346197
BOUNTY 1
347129
BOUNTY 2
347130
LJR 1
350658
257450
18035
VER
NOR 1
257449
18034
VER
L 12277
103
257263
L 6287
L 746
L 712
L 3350
L 3351
L 2336
L 9660
L 6286
L 591
L 675
L 4100
L 3650
L 3653
L 3655
L 10698
L 10710
L 10711
L 10702
L 10697
L 10699
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L 477
L 5047
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AINSWORTH PROPERTIES MINFILE PRINTOUTS

MINFILE NUMBER: **082FNE014**
NAME: BUCKEYE
STATUS: Past Producer
NTS MAP: **082F15W**
LATITUDE: **49 45 42**
LONGITUDE: **116 55 54**
MINING DIVISION: Slocan
UTM ZONE: **11**
NORTHING: **5511915**
EASTING: **504921**
ELEVATION: **1200 Metres**
LOCATION ACCURACY: **Within 500M**
COMMODITIES: **Lead, Zinc, Silver**
MINERALS; SIGNIFICANT: **Sphalerite,Galena**
MINERALIZATION AGE: Unknown
DEPOSIT CHARACTER: **Vein**
CLASSIFICATION: **Unknown**
TYPE: **Polymetallic veins Ag-Pb-Zn, Polymetallic mantos Ag-Pb-Zn**
BIBLIOGRAPHY
EMPR AR 1898-1072, 1900-981, 1904-296, 1931-143, 1952-165, 1953-133
EMPR BULL 53
GSC MEM 117-58, 228
GSC P 44-13
GSC MAP 603A
EMR MP CORPFILE (BUCKEYE MINES LTD.)
UBC MSC THESIS, ORR 1971

MINFILE NUMBER: **082FNE011**
NAME(S): **SULLIVAN, HERCULES, SILVER GLANCE**
STATUS: **Showing**
MINING DIVISION: **Slocan**
NTS MAP: 082F15W
UTM ZONE: **11**
LATITUDE: 49 45 54
LONGITUDE: 116 56 00
NORTHING: **5512286**
EASTING: **504801**
ELEVATION: 1200 Metres
LOCATION ACCURACY: Within 500M
COMMODITIES: Lead, Zinc
MINERALS: SIGNIFICANT: Sphalerite, Galena
MINERALIZATION AGE: Unknown
DEPOSIT CHARACTER: Unknown
CLASSIFICATION: Unknown
TYPE: Polymetallic veins Ag-Pb-Zn, Polymetallic mantos Ag-Pb-Zn
BIBLIOGRAPHY
EMPR PF (WORKINGS PLAN)
EMPR AR 1896-93, 1899-298, 1951-160, 1952-165, 1954-133
EMPR GEM 1972-54, 1973-67
EMPR BULL 53
GSC MEM 228-61
GSC MAP 603A

MINFILE NUMBER: **082FNE038**
NAME(S): **NORANDA, BUGABOO, SILVERGLANCE**
STATUS: **Showing**
MINING DIVISION: **Slocan**
NTS MAP: 082F15W UTM ZONE: 11
LATITUDE: 49 46 18 NORTHING: **5513027**
LONGITUDE: 116 55 54 EASTING: **504920**
ELEVATION: 1133 Metres
LOCATION ACCURACY: Within 500M
COMMODITIES: Lead, Zinc
MINERALS: SIGNIFICANT: Galena, Sphalerite
MINERALIZATION AGE: Unknown
DEPOSIT CHARACTER: Unknown, CLASSIFICATION: Unknown
TYPE: Polymetallic veins Ag-Pb-Zn Polymetallic mantos Ag-Pb-Zn
BIBLIOGRAPHY
N MINER JAN 15,1981
EMPR PF (WORKINGS PLAN)
EMPR AR 1954-133, 1955-58, 1956-92, 1957-50
EMPR ASS RPT 138
EMPR BULL 53-108
THESIS, REBAGLIATTI

MINFILE NUMBER: **082FNE024**
NAME: **SILVER HOARD (L.10712), DELLIE (L.241), LITTLE MAY**
STATUS: **Past Producer** MINING DIVISION: Slocan
NTS MAP: **082F10W** UTM ZONE: **11**
LATITUDE: 49 44 54 NORTHING: **5510432**
LONGITUDE: 116 57 00 EASTING: **503602**
ELEVATION: 1466 Metres
LOCATION ACCURACY: Within 500M
COMMODITIES: **Silver, Lead, Zinc, Fluorite , Gold**
MINERALS: SIGNIFICANT: **Silver, Galena, Sphalerite, Pyrite, Fluorite**
MINERALIZATION AGE: Unknown
DEPOSIT TYPE: Polymetallic mantos **Ag-Pb-Zn**, Polymetallic veins Ag-Pb-Zn
CAPSULE GEOLOGY :
Mineralization in shear zones near a contact between black argillite and limestone. Folding of limestone appears to effect a control over mineralization.
BIBLIOGRAPHY
EMPR PF
EMPR AR 1895-680, 1896-90, 1901-1029, 1902-152, 1911-131,290, 1912-147, 1913-420, 1914-285,509, 1915-445, 1916-195, 1917-155, 448, 1921-131, 1922-189,194, 1923-208, 1924-188, 1925-231,239, 1926-269, 1927-282, 1948-139, 1949-180, 1950-134, 1952-179 EMPR GEM 1969-333, 1970-460, 1973-72
EMPR BULL 53-106
EMPR INDEX 3-213 GSC MEM 117-53 GSC P 44-13
GSC MAP 603A, 1742
EMR MP CORPFILE (SILVER HOARD MINES LTD.)
N MINER 29-5 (1952)
UBC MSC THESIS, ORR 1971
EMPR OF 1992-16

MINFILE NUMBER: 082FNE025
NAME: NO. ONE
STATUS: Past Producer
NTS MAP: 082F10W
LATITUDE: 49 44 27
LONGITUDE: 116 56 53
ELEVATION: 1466 Metres
MINING DIVISION: Slocan
UTM ZONE: 11
NORTHING: 5509600
EASTING: 503750
LOCATION ACCURACY: Within 500M
COMMODITIES: Silver, Lead, Gold .
MINERALS SIGNIFICANT: Galena, Sphalerite, Pyrite, Chalco, Silver .
COMMENTS: Highly oxidized ore .
ASSOCIATED: Siderite,..Calcite, Quartz
ALTERATION TYPE: Silicific'n, Oxidation
MINERALIZATION AGE: Unknown
DEPOSIT CHARACTER: Breccia, Discordant, Massive, Disseminated
CLASSIFICATION: Replacement, Epigenetic, Hydrothermal
TYPE: Polymetallic veins Ag-Pb-Zn Polymetallic mantos Ag-Pb-Zn
SHAPE: Tabular
MODIFIER: Fractured, Sheared
STRIKE/DIP: 315/45
COMMENTS: The general trend of the replacement orebodies.
HOST ROCK; DOMINANT HOST ROCK: Metasedimentary
STRATIGRAPHIC AGE. GROUP, FORMATION; Carboniferous, Milford
LITHOLOGY: Limestone, Argillite
GEOLOGICAL SETTING; TECTONIC BELT: Omineca
PHYSIOGRAPHIC AREA: Selkirk Mountains
TERRANE: Quesnel
METAMORPHIC TYPE: Regional
RELATIONSHIP: Pre-mineralization GRADE: Amphibolite

CAPSULE GEOLOGY

The No. One occurrence occurs in the "No. 1 Limestone" which is intercalated between dark-grey argillites of the Mississippian-Pennsylvanian Milford Group. Small intrusions of "gneissic granite" are reported in the vicinity of the deposit. The deposit consists of replaced limestones along a shear zone (northwest 45) and brecciated host rocks near or at the upper contact of the "No. 1 Limestone" with black argillites. The ore is generally oxidized, consisting mainly of iron oxide, some lead carbonates and wide silver and forming a dark brown, decomposed mass. Original sulphides are observed in places. Gangue consists mainly of calcite with locally some siderite and quartz growing in cavities in the calcite cement. Limestones in the ore are reported to be silicified.

BIBLIOGRAPHY

EMPR PF (Plans, Notes)
EMPR AR 1888-305; 1889-282; 1890-367; 1893-1045,1062; 1894-735; 1895-681; 1896-37,46,559; 1897-527; 1898-1080; 1899-698; 1901-1029; 1902-152; 1904-155,200; 1905-158; 140 tons shipped, 1906-142; 100' drifting, 90 tons ore shipped, 1907-95; 40 tons shipped.
213; 1908-93; 1909-105; 1912-146; 1913-123; 1914-509; 1916-516; 1919-119; 1922194; 1925-231; 1929-284; 1936-E51; 1946-35,151
EMPR INDEX 3. p. 207
EMPR BULL 53. p. 103 GSC MEM 117-51; 228-82 GSC MAP 1742
UBC MSC THESIS. Orr 1971

MINFILE NUMBER: **082FNE048**
NAME(S): **SKYLINE**
STATUS: **Past Producer**
MINING DIVISION: **Slocan**
NTS MAP: 082F10W UTM ZONE: **11**
LATITUDE: 49 43 30 NORTHING: **5507837**
LONGITUDE: 116 57 54 EASTING: **502522**
ELEVATION: 1933 Metres
LOCATION ACCURACY: Within 500M
COMMODITIES: **Silver, Lead, Zinc, Gold**
MINERALS: SIGNIFICANT: Galena
MINERALIZATION AGE: Unknown
DEPOSIT CHARACTER: Unknown
CLASSIFICATION: Unknown
TYPE: Polymetallic veins Ag-Pb-Zn Polymetallic mantos Ag-Pb-Zn
BIBLIOGRAPHY
EMPR AR 1889-282, 1890-367, 1894-737, 1895-680, 1896-90, 1897-527, 1898-1080. 1915-120, 1916-195, 1917-155,182, 1919-153, 1920-119,144, 1921-131,134, INDEX #3-214
EMPR BULL 53
EMPR GEM 1969-334
GSC MEM 228
GSC MAP 603A, 1742
N MINER 15-3 (1962) P 2
UBC MSC THESIS, ORR 1971

MINFILE NUMBER: **082FNE021**
NAME: **NEW JERUSALEM**
STATUS: **Past Producer** MINING DIVISION: Slocan
NTS MAP: **082F10W** UTM ZONE: **11**
LATITUDE: 49 44 54 NORTHING: **5510433**
LONGITUDE: 116 55 54 EASTING: **504922**
ELEVATION: 1133 Metres
LOCATION ACCURACY: Within 500M
COMMODITIES: **Lead, Zinc, Copper, Arsenic, Silver, Cadmium, Gold**
MINERALS; SIGNIFICANT: Unknown
MINERALIZATION AGE: Unknown
DEPOSIT
CHARACTER: Unknown
CLASSIFICATION: Industrial Min.
TYPE: Polymetallic veins Ag-Pb-Zn
BIBLIOGRAPHY
1945-103, 1951-161, 1952-42,168
EMPR AR 1885-449, 1895-682, 1896-559, 1898-1080, 1907-95; 60 tons shipped, 1937-E51
EMPR BULL 53
GSC MEM 228-79
UBC MSC THESIS, ORR 1971

MINFILE NUMBER: 082FNE022
NAME: TIGER
STATUS: Past Producer
NTS MAP: 082F10W
LATITUDE: 49 44 48
LONGITUDE: 116 56 06
ELEVATION: 1200 Metres
MINING DIVISION: Slocan
UTM ZONE: 11
NORTHING: 5510247
EASTING: 504682
LOCATION ACCURACY: Within 500M
COMMODITIES: Lead, Zinc, Silver, Copper, Gold
MINERALS; SIGNIFICANT: Unknown
MINERALIZATION AGE: Unknown
TYPE: Polymetallic veins Ag-Pb-Zn, Polymetallic mantos Ag-Pb-Zn
BIBLIOGRAPHY
EMPR AR 1927-282
EMPR BULL 53-112 EMPR PF (NOTES,PLANS) GSC MEM 117-56
GSC MAP 1742 GCNL #125, 1983
UBC MSC THESIS, ORR 1971
EMPR ASS RPT 8701

TRENCHING OF SOIL ANOMALIE
at Silver Hoard area West of Ainsworth

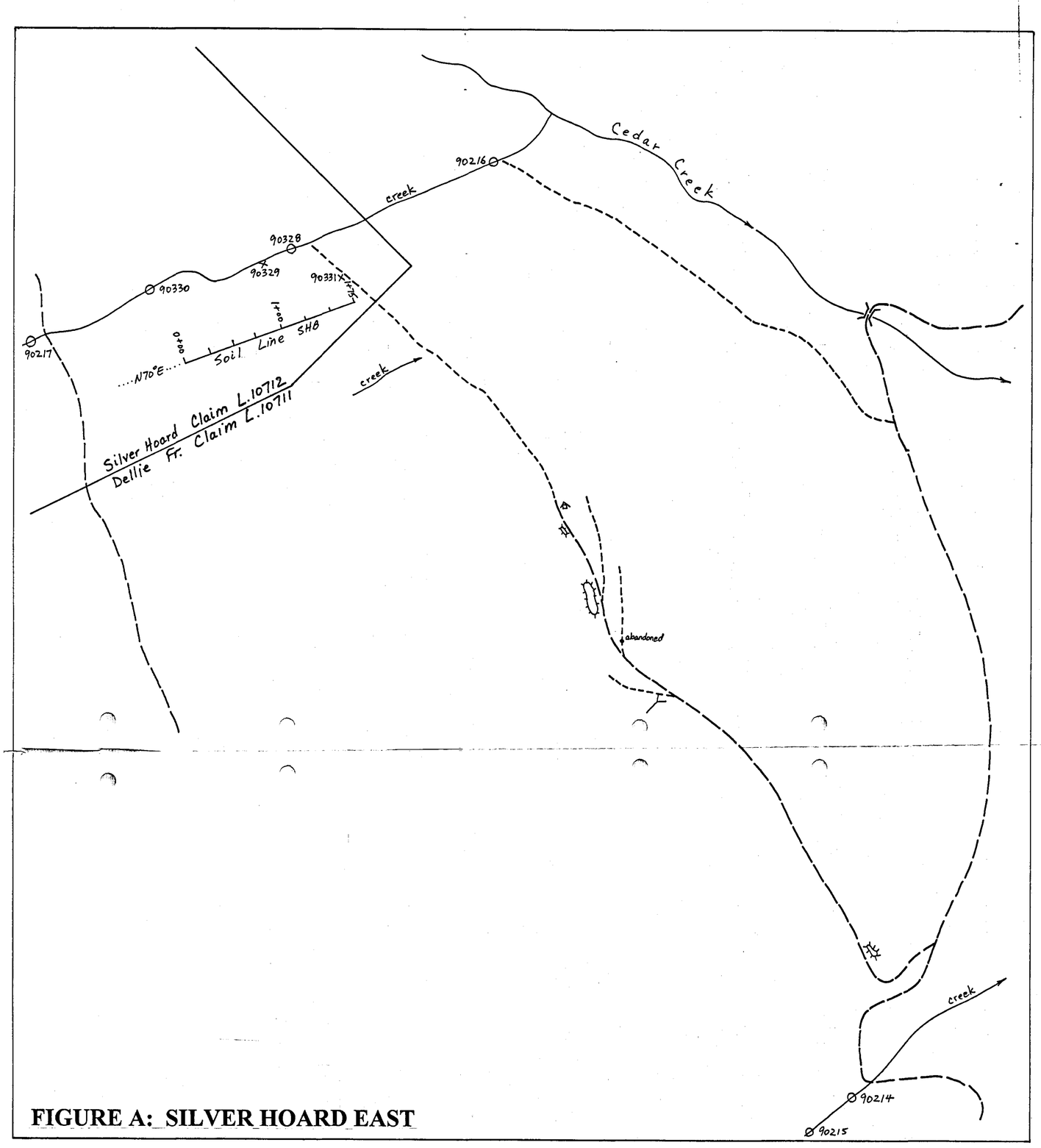


FIGURE A: SILVER HOARD EAST

FIGURE B: SILVER HOARD WEST

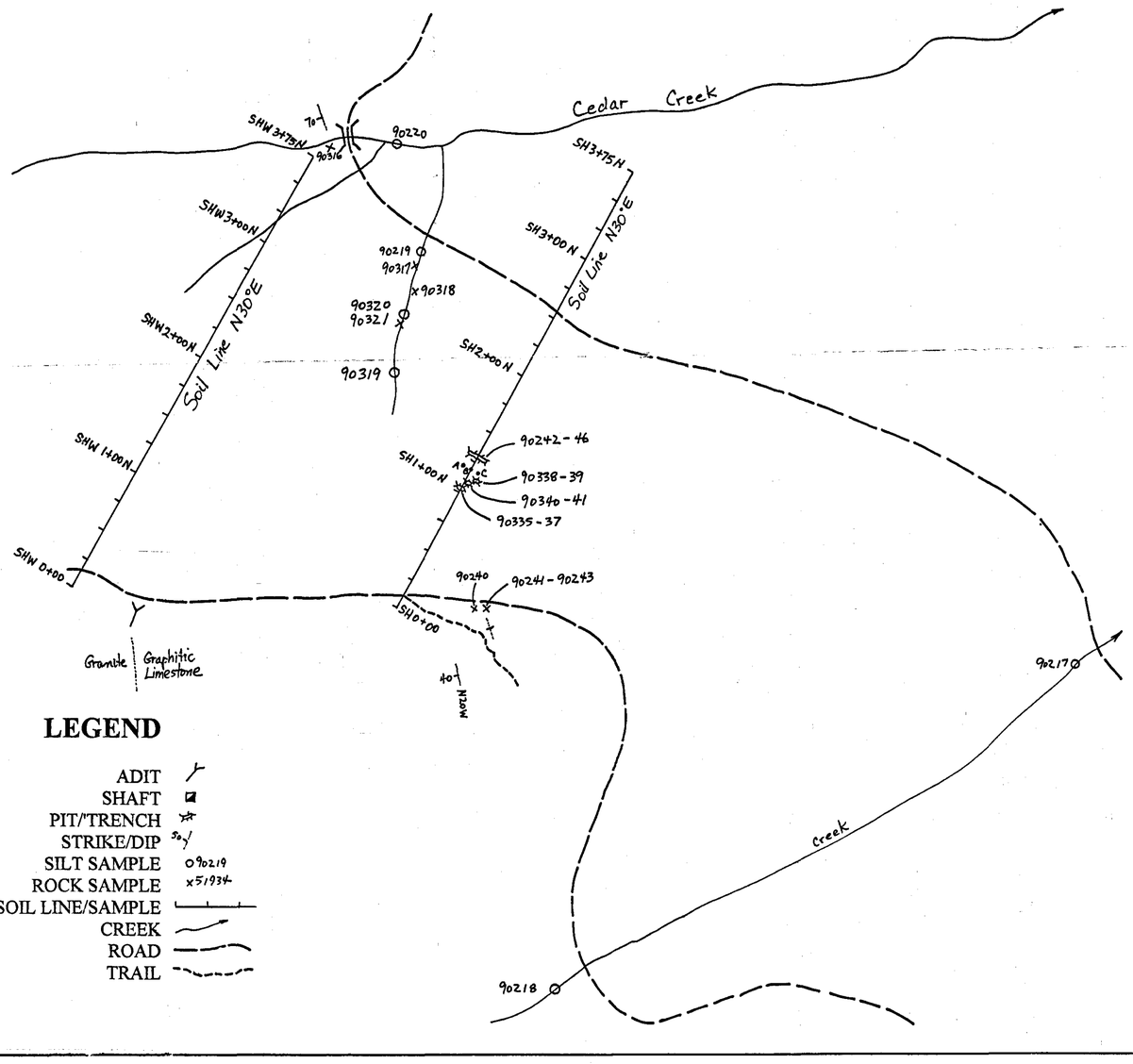
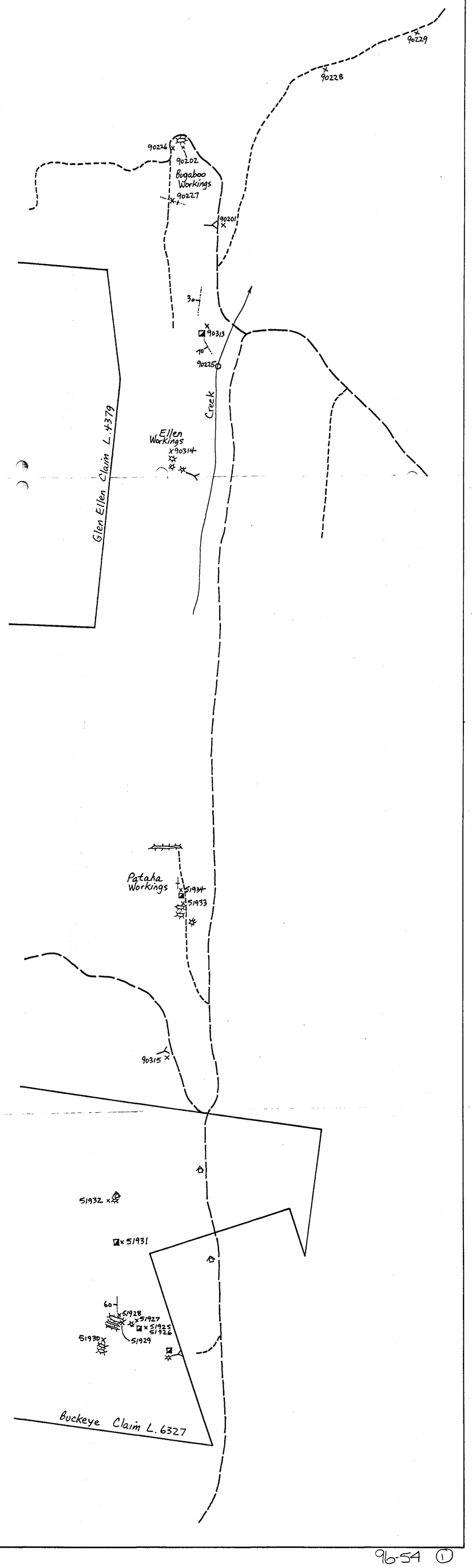


FIGURE C: BUCKEYE ZONE



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f Environment, Lands, Parks
d Resource Mapping Branch

Universal Transverse Mercator Projection
North American Datum - NAD83
UTM Zone 11

Land District:
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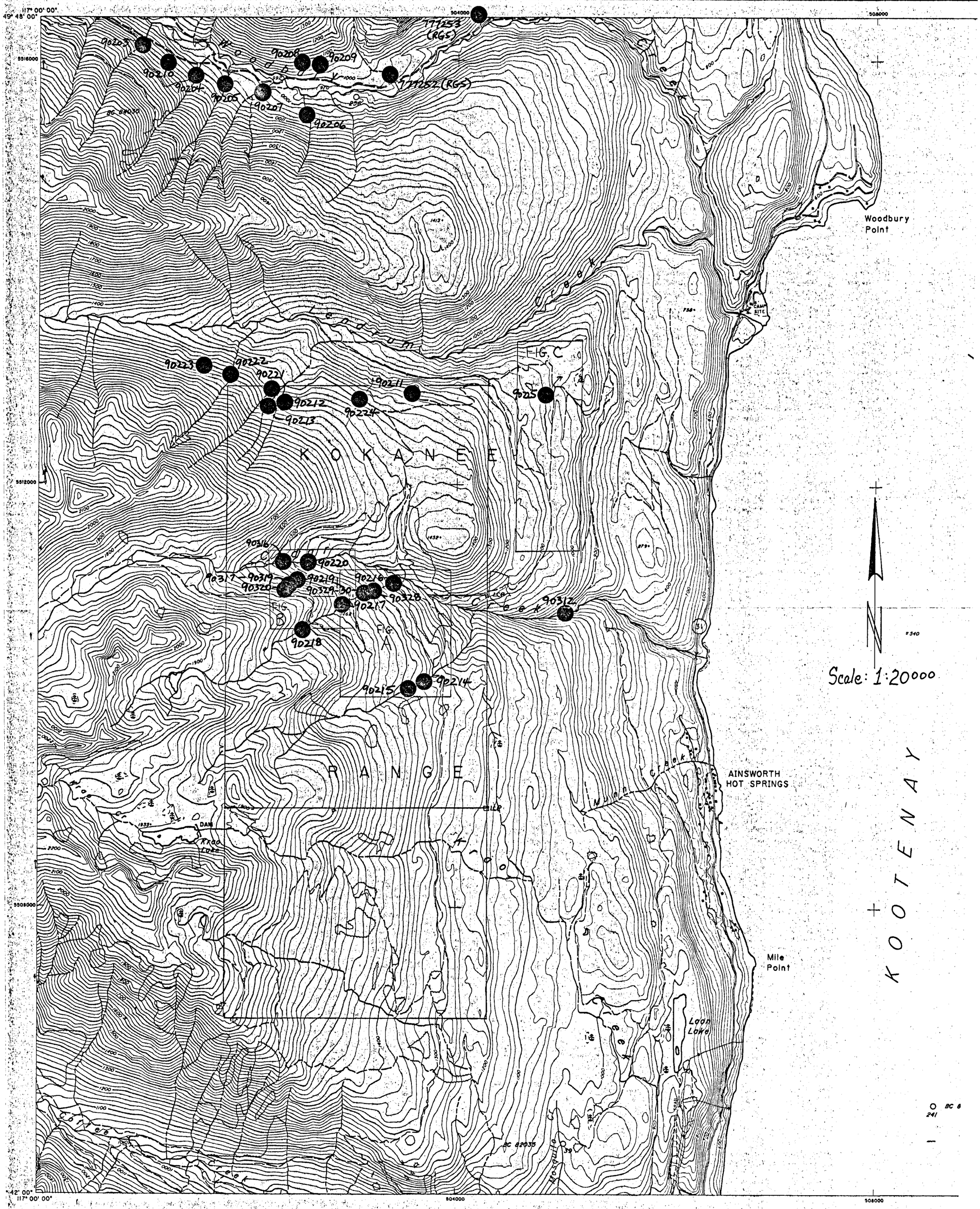
AINSWORTH PROJECT AREA



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Universal Transverse Mercator Projection
North American Datum - NAD83
UTM Zone 11

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