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REPORT ON
GEOCHEMICAL AND GEOLOGICAL MAPPING
DOME, TRAIL, LAST CHANCE CROWN GRANTS

LILLOOET MINING DIVISION

LATITUDE 50 56N

LONGITUDE 122 57W

N.T.S. 92-J-15W

FOR

BERKLEY RESOURCES LTD,
400 - 455 GRANVILLE STREET
VANCOUVER, B.C. V6C 1T1

BY

J. MILLER-TAIT

NOVEMBER 23, 1990

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,795

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

THIS REPORT IS TO DOCUMENT THE SOIL GEOCHEMICAL SURVEY AND GEOLOGICAL MAPPING CARRIED OUT UPON THE DOME, TRAIL, AND LAST CHANCE CROWN GRANTS. THE CLAIMS ARE LOCATED IN THE BRIDGE RIVER DISTRICT OF THE LILLOOET MINING DIVISION AND ARE 100% OWNED BY BERKLEY RESOURCES INC..

THE DOME PROPERTY GEOLOGY CONSISTS OF HURLEY SEDIMENTS TO THE NORTH, UNDERLAIN BY PIONEER VOLCANICS IN THE CENTRAL AREA, WHICH HAVE BEEN INTRUDED BY BRALORNE DIORITE SITUATED IN THE SOUTHERN PORTION OF THE CLAIM BLOCK. THE VOLCANICS AND THE SEDIMENTS HAVE BEEN INTRUDED BY AUGITE DIORITE (BRALORNE DIORITE) DYKES AS WELL.

THE MOST RECENT EXPLORATION PROGRAM OF HEAVY METAL STREAM SEDIMENT SURVEY OF 1989 UNCOVERED A STRONG ANOMALY ON GUN CREEK. TO FURTHER EXPLORE THIS ANOMALY A SMALL .5X.5KM. GRID WAS ESTABLISHED AND WAS SOIL SAMPLED AND MAPPED. THE GRID CONSISTED OF 100 METER SPACED LINES WITH SAMPLES TAKEN EVERY 25 METERS.

THE SOIL SAMPLE PROGRAM UNCOVERED ONE WEAK GOLD ANOMALY IN THE SOUTHERN PORTION OF THE GRID AND A SILVER, ARSENIC, AND ANTIMONY ANOMALY IN THE AREA OF LINE 400 NORTH AND 50 WEST. THE ONLY OUTCROPS OBSERVED WERE MASSIVE AND PILLOWED PIONEER VOLCANICS. THE SOURCE OF THE GOLD IN THE STREAM SEDIMENT SAMPLES MUST BE FURTHER UPSTREAM ON GUN CREEK. A LARGER GEOCHEMICAL SURVEY IS RECOMMENDED FOR THE AREA NORTH OF THE PRESENT GRID TO TRY AND LOCATE THE SOURCE OF THE STRONG STREAM SEDIMENT ANOMALY.

THE GRID SHOULD CONSIST OF A 1KM. X 1KM. AREA AND SHOULD BE LOCATED IMMEDIATELY TO THE NORTH OF THE PRESENT GRID. THE GRID AREA SHOULD BE SAMPLED AND GEOLOGICALLY MAPPED.

INTRODUCTION

THIS REPORT IS TO DOCUMENT THE GEOCHEMICAL AND GEOLOGICAL MAPPING PROGRAM COMPLETED UPON THE DOME, TRAIL, AND LAST CHANCE CROWN GRANTED CLAIMS. THE CLAIMS ARE LOCATED IN THE BRIDGE RIVER DISTRICT OF THE LILLOOET MINING DIVISION. BERKLEY RESOURCES INC. OWN 100% OF THE CLAIMS.

AFTER THE SUCCESS OF THE STREAM GEOCHEMICAL SURVEY OF 1989 IT WAS DECIDED THAT THE NEXT STEP IN THE EXPLORATION PROGRAM WOULD BE A SOIL GEOCHEMICAL SURVEY COVERING THE AREA OF ANOMALOUS STREAM SAMPLES. A GRID .5KM. X .5KM. WAS SET UP WITH SAMPLE LINES 100 METERS APART AND SAMPLES COLLECTED EVERY 25 METERS. THE GRID AREA WAS THEN MAPPED AS WELL. THIS REPORT WILL BE FILED FOR ASSESSMENT CREDIT APPLIED TO THE CLAIMS.

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SOIL GEOCHEMICAL SURVEYS AND GEOLOGICAL MAPPING	IN POCKET

LOCATION & ACCESS

THE DOME PROPERTY IS LOCATED APPROXIMATELY 12.5 KILOMETERS NORTHWEST OF GOLD BRIDGE AND 180 KILOMETERS NORTH-NORTHEAST OF VANCOUVER IN SOUTHWESTERN BRITISH COLUMBIA (FIGURE 1). ACCESS TO THE PROPERTY IS BY VEHICLE FROM VANCOUVER, 370 KILOMETERS NORTH TO LILLOOET AND 100 KILOMETERS WEST ON PAVED/GRAVEL ROAD TO GOLD BRIDGE. THE TYAUGHTON LAKE, GUN CREEK AND SLIM CREEK ROADS AFFORD ACCESS TO THE SOUTHEAST CORNER OF THE CLAIMS, FROM SLIM CREEK TO JEWEL BRIDGE AND HORSE TRAIL TO ELDORADO CREEK FOLLOWS THE EAST SIDE OF GUN CREEK TO ALLOW ACCESS TO THE NORTHWEST PART OF THE PROPERTY.

PHYSIOGRAPHY AND CLIMATE

THE CLAIMS STRADDLE GUN CREEK NEAR THE CONFLUENCES OF LECKIE AND ELDORADO CREEKS AT ELEVATIONS OF 1,560 METERS ALONG THE CREEK TO 1,675 METERS UP ON THE NORTHEAST RIDGE. VEGETATION IS TYPICAL CONIFEROUS FOREST (PRIMARILY FIR AND SPRUCE) MODERATE IN DENSITY WITHY UNDER GROWTH LIGHT TO AVERAGE. THE CLIMATE IS CHARACTERIZED BY HOT, DRY SUMMERS AND MILD, SNOWY WINTERS

ACCOMMODATIONS AND LABOUR

GOLD BRIDGE HOTEL IS CONVENIENT FOR ROOM AND BOARD, HOUSES ARE AVAILABLE FOR RENT IN BOTH GOLD BRIDGE AND BRALORNE, ALSO. LEVON RESOURCES OWNS AND OPERATES A CAMP AT GUN CREEK. BERKLEY RESOURCES' GEOLOGIST SUPERVISED ALL WORK DONE BY LOCAL LABORERS.

BERKLEY RESOURCES INC.

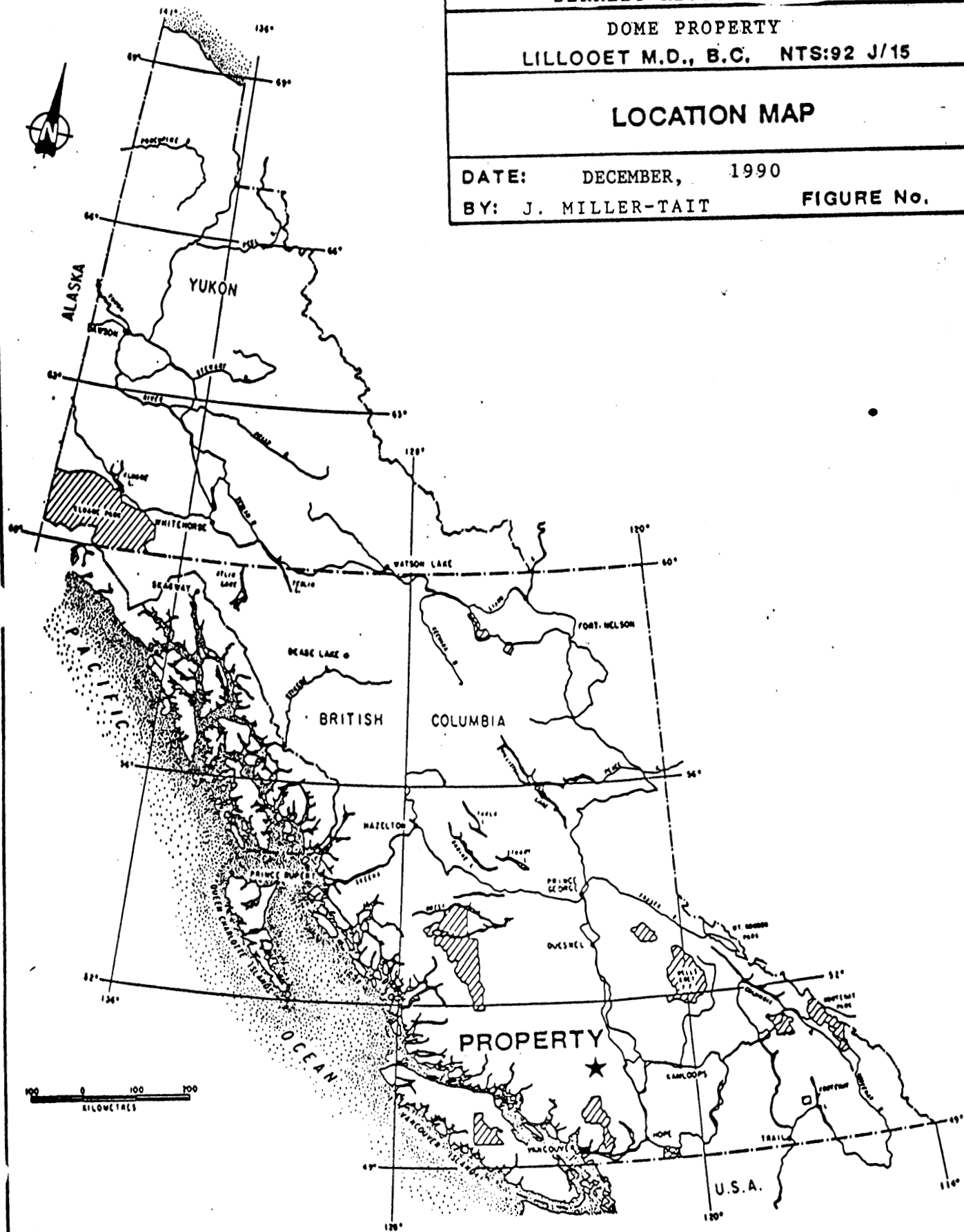
DOME PROPERTY
LILLOOET M.D., B.C. NTS:92 J/15

LOCATION MAP

DATE: DECEMBER, 1990

BY: J. MILLER-TAIT

FIGURE No.



CLAIM DESCRIPTION

THE DOME PROPERTY CONSISTS OF 24 REVERTED CROWN GRANTS, TOTALLING 22 UNITS AND COVERING 389 HECTARES IN THE LILLOOET MINING DIVISION (FIGURE 2). THE EXPIRY DATES ON THE CLAIM LIST DO NOT INCLUDE THE WORK COVERED BY THIS REPORT

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>EXPIRY DATE</u>
TRAIL NO 1	3051	1991/01/17
TRAIL NO. 2	3052	1991/01/17
TRAIL NO. 2 FR.	3052	1991/01/17
TRAIL NO. 4	3053	1991/01/17
TRAIL NO. 6	3054	1991/01/17
LAST CHANCE NO. 1	3055	1992/01/17
LAST CHANCE FR.	3056	1992/01/17
LAST CHANCE FR. NO. 1	3057	1992/01/17
LAST CHANCE NO. 2	3058	1992/01/17
LAST CHANCE NO. 2 FR.	3058	1992/01/17
LAST CHANCE NO. 3	3059	1992/01/17
LAST CHANCE NO. 4	3060	1992/01/17
LAST CHANCE NO. 5	3061	1992/01/17
LAST CHANCE NO. 6	3062	1992/01/17
LAST CHANCE NO. 7	3063	1991/01/17
LAST CHANCE NO. 8	3064	1991/01/17
DOME FR.	3065	1992/01/07
DOME NO. 4	3066	1992/01/07
DOME NO. 5	3067	1992/01/07
DOME NO. 7	3068	1992/01/07
TRAIL NO. 1 FR.	3069	1991/01/22
TRAIL FR.	3070	1991/01/22
TRAIL NO. 5	3071	1991/01/22
TRAIL NO. 3	3072	1991/01/22

SURVEY AREA

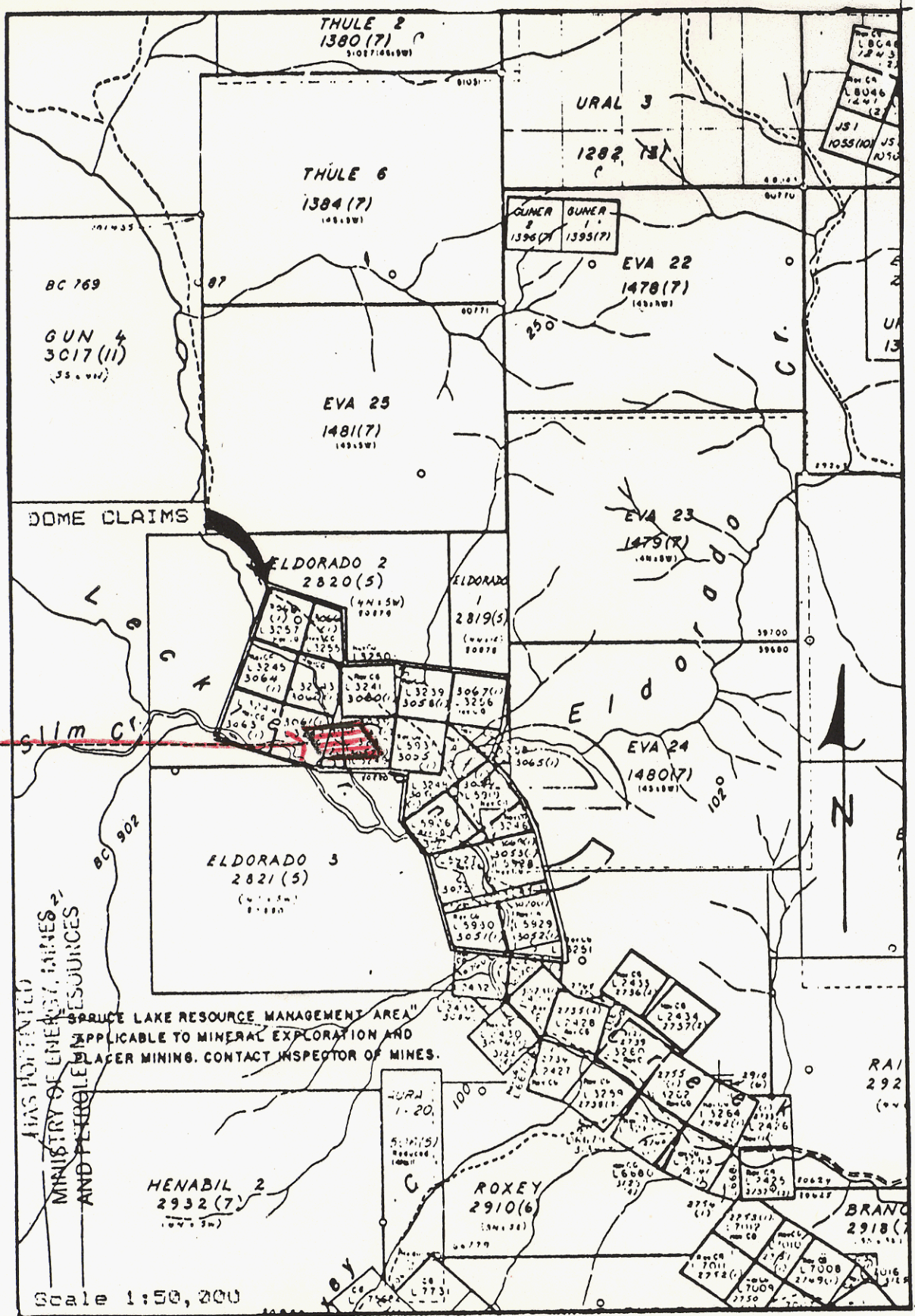


FIGURE 2: Claim map.

MINING HISTORY

NO EXPLORATION OR MINING ACTIVITY HAS BEEN RECORDED UNTIL 1983, PROBABLY BECAUSE OF THE THICK GLACIAL OVERBURDEN ON THE CLAIM. HOWEVER WORK HAS BEEN RECORDED ON THE GUN CREEK, LITTLE GEM AND JEWEL PROSPECTS TO THE SOUTH AND A FEW PROSPECTING PITS WERE LOCATED ON THE DOME CLAIMS.

IN JULY OF 1982, A PRELIMINARY MAPPING AND GEOCHEMISTRY SURVEY WAS PERFORMED ON THE PROPERTY BY X-CALIBER RESOURCES. A MODERATELY HIGH GEOCHEMICAL BACKGROUND FOR GOLD WAS FOUND TO OCCUR. IN 1986, COOKE GEOLOGICAL CONSULTANTS PERFORMED A PROGRAM OF RECONNAISSANCE PROSPECTING, SEVEN HEAVY MINERAL STREAM SAMPLES, VLF-ELECTROMAGNETIC AND PP-MAGNETIC SURVEYS. IN 1988 PETER FRIESEN CONDUCTED AN AIRBOURNE MAGNETIC AND VLF SURVEY.

IN OCTOBER 1989, A HEAVY MINERAL STREAM SEDIMENT SURVEY WAS CARRIED OUT WHICH UNCOVERED THREE ANOMALOUS AREAS ALONG GUN CREEK. THE HIGHEST ANOMALY IS LOCATED IN THE PIONEER VOLCANICS AND THE TWO WEAKER ISOLATED ANOMALIES ARE LOCATED IN THE SOUTHERN PORTION OF THE PROPERTY NEAR THE BRALORNE DIORITE. *

REGIONAL GEOLOGY

THE FOLLOWING SUMMARY OF REGIONAL GEOLOGY AND TECTONICS IS DERIVED FROM THE REPORT OF MANY WORKERS IN THE BRIDGE RIVER AREA, WITH EMPHASIS ON GEOLOGICAL SURVEY OF CANADA REPORTS AND THE UNIVERSITY OF BRITISH COLUMBIA REPORTS (SEE REFERENCES).

THE BRIDGE RIVER DISTRICT LIES AT THE WESTERN MARGIN OF THE INTERMONTAINE BELT OF VOLCANIC AND SEDIMENTARY ROCKS WHERE IT ABUTS AGAINST THE COAST PLUTONIC COMPLEX OF PLUTONIC AND METAMORPHIC ROCKS. TRIASSIC ARC VOLCANICS AND BACKARC SEDIMENTS (CADWALLADER AND BRIDGE RIVER GROUPS) ARE INTRUDED BY SYNVOLCANIC, INTERMEDIATE PLUTONS (BRALORNE INTRUSIONS) AND FAULTED AGAINST OPHIOLITIC, ULTRA MAFIC INTRUSIONS (PRESIDENT INTRUSIONS).

JURASSIC AND CRETACEOUS BASINAL SEDIMENTS AND RIFT VOLCANICS (UNNMAED TAYLOR CREEK AND KINGVALE GROUPS) ARE SEQUENTLY INTRUDED BY CRETACEOUS AND TERTIARY PLUTONS OF FELSIC COMPOSITION (COAST, PORPHYRY AND BENDOR INTRUSION). RELATIVELY FLAT-LYING TERTIARY INTERMEDIATE AND MAFIC VOLCANICS (REXMOUNT PORPHYRY AND PLATEAU BASALT) CAP THE LITHOLOGICAL SEQUENCE.

TRIASSIC ROCKS PROBABLY FORMED A DISCRETE PLATE, THE BRIDGE RIVER TERRAINE, PRIOR TO COLLISION THE NORTH AMERICAN PLATE TO THE NORTHEAST IN JURASSIC TIME. THAT COLLISION THRUSTED ARC VOLCANICS, BACKARC SEDIMENTS AND OCEANIC CRUST ONTO THE ALREADY ASSEMBLED EXOTIC TERRAINES OF THE INTERMONTAINE BELT AND PROMPTED UPLIFT AND EROSION THAT PRODUCED JURASSIC AND CRETACEOUS SEDIMENTS.

BRIDGE RIVER TERRAINE THEN GOT SANDWICHED BY THE ARRIVAL OF EASTWARD-DRIFTING INSULAR BELT ROCKS FROM THE WEST IN CRETACEOUS TIME. THIS COLLISION PROBABLY REMOBILIZED OLD FAULTS AND SPARKED SEVERAL PERIODS OF INTRUSIVE ACTIVITY THAT RESULTED IN CRETACEOUS AND TERTIARY PLUTONS AND VOLCANICS.

OLD BREAKS SUCH AS THE FERGUSSON AND CADWALLADER FAULTS WERE PROBABLY MOBILIZED AGAIN AS TERTIARY DEXTRAL STRIKE SLIP FAULTS, FOLLOWED BY EXTRUSIONS OF PLATEAU BASALTS IN RESPONSE TO EXTENSIONAL TECTONICS. FINALLY PLEISTOCENE EXISTING MOUNTAINOUS TERRAINE.

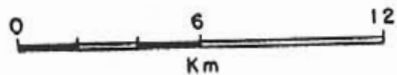
BRALORNE AND PIONEER MINES COMPRISE THE LARGEST AND RICHEST LODE GOLD MINING CAMP IN BRITISH COLUMBIA. BETWEEN 1899 AND 1971, THEY PRODUCED 4.16 MILLION OUNCES GOLD AND 0.95 MILLION OUNCES SILVER FROM 8.23 MILLION TONS OF ORE GRADING 0.51 OZ./TON GOLD AND 0.12 OZ./TON SILVER. GOLD BEARING QUARTZ VEINS FOLLOW TWO SETS OF NARROW FISSURES IN PIONEER ANDESITE AND BRALORNE DIORITE NEAR BRALORNE GRANITE

AND ALBITITE DIKES. MINING STOPPED IN ORE SOME 2000 METERS
DOWN BECAUSE OF THE VENTILATION PROBLEM AND THE HIGH MINING
COSTS.



FIGURE

BERKLEY RESOURCES INC.
 GOLDBRIDGE AREA
 LILLOOET MINING DIVISION, B.C.
 GEOLOGY MAP



DATE:
 DECEMBER/90

SCALE:
 1:250,000

BY:
 J. M.T.

LEGEND FROM MAP 13-1973

PROPERTY LIST

MESOZOIC

JURASSIC AND CRETACEOUS

UPPER JURASSIC AND LOWER CRETACEOUS
RELAY MOUNTAIN GROUP

6 Argillite; greywacke and pebble conglomerate

JURASSIC

LOWER JURASSIC

5 Argillite and shale; minor sandstone, limestone and pebble conglomerate

TRIASSIC

UPPER TRIASSIC

U Ultrabasic rocks

4 HURLEY FORMATION: Thin-bedded limy argillite, phyllite, limestone, buff, conglomerate, agglomerate, andesite, and minor chert

3 PIONEER FORMATION: Greenstone derived from andesitic flows and pyroclastic rocks; ls, andesite breccia, buff and flows, greenstone; minor rhyolite breccia and flows, slate, argillite, limestone and conglomerate

2 NOEL FORMATION: Thin-bedded argillite; chert, conglomerate and greenstone

MIDDLE TRIASSIC AND (?) OLDER

BRIDGE RIVER GROUP (FERGUSON GROUP)

1 Chert, argillite, phyllite and greenstone; minor limestone, schist; ls, metamorphosed rock of map-unit 1; mainly biotite schist

METAMORPHIC AND PLUTONIC ROCKS

(Mostly of unknown age)

B Metasedimentary rocks, mainly micaceous quartzite, biotite-biotoblende schist, and minor schists bearing garnet, staurolite and possibly sillimanite

A Granitoid gneiss, migmatite complexes, minor amphibolite and biotite schist

P6 Granite

P5 Quartz monzonite

P4 Granodiorite; ls, microlitic granodiorite and syenodiorite

P3 Quartz diorite

P2 Diorite; ls, Bralorne intrusions; Augite diorite, gabbro, minor soda granite and quartz diorite

P1 Gabbro

U Ultrabasic rocks; serpentines, peridotite, dunite

14	Royal (Au)
15	Stamand (Au)
16	Short of Union (Au)
17	Crull (Au)
18	Superev (Au)
19	Waterloo (Au)
20	California (Au)
21	Whymet (Au)
22	Gloria Kirby and Jerome (Au)
23	Ferry Talvros (Au)
24	Arizona (Au)
25	Golden Gate (Au)
26	Haymora (Au)
27	Pilot (Au)
28	G & F (Au)
29	Congress (Au, Mg)
30	Weyside (Au)
31	Vertice (Au)
32	White and Gold (Au)
33	Haitama (Sh, Au)
34	Sponage (Au)
35	Sarnett (Au)
36	Empire (Au)
37	Wide West
38	Albaine (Ab)
39	Primrose (Au)
40	Dome Exp.
41	Charlotte, Ass (Mg)
42	Luxon (Cu, Fe)
43	Chalco (W, Cu)
44	Chalco (W, Cu)
45	N. Texas, Pa, Poo (Cu, Au, Ag, Fe)
46	Apex (Fe)
47	Cooper Zone (QWL, Cu, A Zone) (Cu, Mg)
48	Asure (Cu)
49	Lucky strike, MERRY
50	Pow (Mg)
51	Out Cr. B Zone (Cu, Mo)
52	Out Cr. C Zone (Cu, Mo)
53	Eagle (Cu, Fe, Zn)
54	Lake (Cu, Fe, Zn)
55	Boulder (Cu, Zn, Ag, Fe)
56	Mollat (Fe) (Cu, Ag, Zn)
57	Cooper Mountain (Fe, Cu, Zn, Mg)
58	Seneca (Cu, Fe)
59	Wander (Pb, Zn, Cu)
60	Silver Hill (Pb, Ag, Au, Cu, Zn)
61	U-1-Kel (Gridiron) (Ag, Pb, Zn, Au)
62	Perthman (Cu)
63	Margery (Zn, Fe, Au, Pt)
64	Missimmons (Cu)
65	Out Mountain (Merriter) (Fe, Au, Ag)
66	Crown (Ag, Zn, Cu, Pb, Fe)
67	Gold King (Ag, Au, Zn, Pb)
68	Cougar (Fe)
69	Ides (Mo)
70	Silver Queen (Ag, Pb, Zn)
71	Patrick (Ag, Pb, Zn)
72	J (Pb)
73	Old (Yea) (W, Cu, Zn)
74	Laura (Flora) (W, Mo)
75	Blonde (Lost Gold) (Mo)
76	Truss (Spruce) (Au, Mo)
77	Rock (Ag, Zn)
78	RM (Cu)
79	Sho (Cy, Mo)
80	Ample (Golden Castle) (Au)
81	Red Eagle (Mg)
82	Colden Eagle (Mg)
83	Bonhoe (Au, Ag)
84	Barney Valley Mine (Au, Ag)
85	Colden Contact - Brvt Group (Au)
86	Excelsior, (Jumbo) (Cu, Au, Ag, Pb)
87	Congress (Au)
88	Golden (Au)
89	Yakam, (Ridge) (Mo)

PROPERTY GEOLOGY

THE DETAILED GEOLOGY OF THE CLAIMS IS RELATIVELY UNKNOWN AS MOST OF THE PROPERTY IS COVERED BY GLACIAL OVERBURDEN. THE GEOLOGY MAY BE INFERRED AS THERE ARE OUTCROPS OF THE VARIOUS LITHOLOGIES IN THE CREEK RAVINES AND ON THE HILLSIDES.

THE OLDEST ROCK UNIT IS THE PIONEER ANDESITE WHICH LIES IN THE CENTRAL PORTION OF THE CLAIM. THIS UNIT CONSISTS OF MASSIVE BEDDED, MEDIUM GRAINED VOLCANIC GREENSTONE. THE ANDESITE IS OVERLAIN BY THE YOUNGER HURLEY FORMATION WHICH CONSISTS OF INTERBEDDED CONGLOMERATE, SANDSTONE, AND SILTSTONE WITH SMALL LENSES OF LIMESTONE. THE HURLEY FORMATION LIES ON THE NORTHERN PORTION OF THE PROPERTY. THE PIONEER AND HURLEY PACKAGE IS INTRUDED BY BRALORNE DIORITE LOCATED IN THE SOUTHERN CORNER OF THE CLAIM. THE AUGITE DIORITE CONTAINS MINOR DISSEMINATED PYRITE. DURING ACCESS FOR THE GEOCHEMICAL SURVEY OF 1990 IT WAS NOTED THAT THERE ARE DYKES OF THE BRALORNE DIORITE CROSSING GUN CREEK, THESE DYKES ARE WELL MINERALIZED WITH PYRITE.

THE ONLY ROCK UNITS OBSERVED AND MAPPED WERE THE PIONEER VOLCANICS WHICH WERE PILLOWED IN PLACES. THEY OCCURRED ON THE RIDGES WHICH PARALLEL GUN CREEK.

GEOCHEMISTRY

AFTER THE SUCCESS OF THE STREAM GEOCHEMICAL SURVEY OF 1989 THE NEXT LOGICAL EXPLORATION METHOD WAS A SOIL GEOCHEMICAL SURVEY TO COVER THE ANOMALOUS STREAM SEDIMENT AREAS. SOIL SAMPLING PROGRAMS HAVE BEEN EXTREMELY ACCURATE IN DELINEATING MINERALIZED AREAS ELSEWHERE IN THE BRIDGE RIVER DISTRICT. THE SAMPLES WERE COLLECTED USING A LONG HANDLED SHOVEL TO DIG THROUGH THE ASH AND HUMUS LAYERS WHICH BLANKET THE PROPERTY. THE AVERAGE DEPTH OF THE SAMPLE HOLES WAS APPROXIMATELY 50 CMC. THE 500 GRAM SAMPLES WERE COLLECTED FROM THE WELL DEVELOPED B-HORIZON, PLACED IN KRAFT SAMPLE BAGS, AND SHIPPED TO MIN-EN LABS OF VANCOUVER FOR ANALYSES. EACH SAMPLE WAS ANALYZED FOR AU, AS, AG, CU, PB, SB, AND ZINC.

THE RESULTS OF THE ANALYSES WERE PLOTTED AND THE MAPS ARE LOCATED IN THE POCKET OF THIS REPORT. THERE IS ONE GOLD ANOMALY LOCATED IN THE SOUTHERN PORTION OF THE GRID AREA. THE INTERESTING AREA IS THE AS, AG, AND SB ANOMALY LOCATED AT LINE 400NORTH AND 50 WEST. THERE WERE NOT MANY ANOMALIES DETECTED BECAUSE OF THE MASKING EFFECT OF THE OUTWASH GRAVEL COVERING THE MAJORITY OF THE GRID AREA. I WOULD RECOMMEND FURTHER SOIL SAMPLING TO THE NORTH AND NORTH-WEST OF THE PROPERTY WHERE OVERBURDEN COVER IS THE LEAST.

STATEMENT OF COSTS

GEOCHEMICAL SAMPLE ANALYSES (6 ELEMENT ICP + AU WET) 116 SAMPLES X 10.50/SAMPLE	\$ 1,218.00
LABOUR \$150.00/DAY	2,000.00
GEOLOGICAL SUPERVISION AND REPORT	1,500.00
VEHICLE AND FUEL	300.00
DRAFTING AND COPIES	400.00
FIELD SUPPLIES	300.00
15% OFFICE OVERHEAD	857.70
	<hr/>
TOTAL	\$ 6,575.70

REFERENCES

- 1937: CAIRNES, C.E., 1937, GEOLOGY AND MINERAL DEPOSITS OF BRIDGE RIVER MINING CAMP, B.C., G.S.C., MEMOIR 213, MAP 431A, 140PP
- 1973: RODDICK, J.A. AND HUTCHINSON, W.W., 1973, PEMBERTON (EAST HALF) MAP AREA, B.C., G.S.C., PAPER 73-17, 21PP
- 1983: PRELIMINARY GEOLOGICAL AND GEOCHEMICAL INVESTIGATION OF DOME, TRAIL, LAST CHANCE CROWN GRANTS FOR X-CALIBRE RESOURCES LTD.
- 1984: REPORT ON THE DOME, LAST CHANCE CLAIMS NEAR GOLD BRIDGE, B.C. FOR BERKLEY RESOURCES INC., BRADFORD J. COOKE, 1984
- 1986: ASSESSMENT REPORT ON THE DOME PROPERTY NEAR GOLD BRIDGE, B.C. FOR BERLEY RESOURCES INC., BRADFORD J. COOKE AND TIM SANDBERG. SEPTEMBER 9, 1986
- 1988: GEOPHYSICAL REPORT ON AIRBOURNE MAGNETIC AND VLF-EM SURVEYS OVER THE EL DORADO CREEK CROWN GRANTS, LLOYD C. BREWERS
- 1990: REPORT ON THE DOME, TRAIL, LAST CHANCE CROWN GRANTS FOR BERKLEY RESOURCES INC. BY J. MILLER-TAIT, FEBRUARY 15, 1990

QUALIFICATIONS

I, J. MILLER-TAIT OF GOLD BRIDGE, B.C. DO HEREBY CERTIFY THAT:

I AM A GRADUATE OF THE UNIVERSITY OF BRITISH COLUMBIA WITH A BACHELOR OF SCIENCE DEGREE IN GEOLOGY (1986).

I HAVE BEEN PRACTISING MY PROFESSION AS AN EXPLORATION GEOLOGIST, SEASONALLY, SINCE 1982, AND FULL TIME SINCE 1987.

I HAVE BEEN EMPLOYED AS AN EXPLORATION GEOLOGIST WITH BERKLEY RESOURCES INC. SINCE JULY, 1987.

THIS REPORT IS BASED ON PERSONAL EXAMINATION OF ALL RELEVANT DATA AND ON SUPERVISION OF FIELD WORK DURING SEPTEMBER, 1990.


J. MILLER-TAIT, B.SC.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pretreated with HNO_3 and HClO_4 mixture.

After pretreatments the samples are digested with Acqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 0.005 ppm (5ppb).

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK - 26 ELEMENT ICP

Ag, Al, As, B, Bi, Ca, Cd, Co, Cu, Fe, K, Mg, Mn, Mo,
Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO₃ and HClO₄ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Computer operated Jarrell Ash 9000ICP. Inductively coupled Plasma Analyser. Reports are formatted by routing computer dotline print out.

COMP: BERKLEY RES
 PROJ: BERKEY
 ATTN: J. MILLER-TAIT

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: OV-1556-SJ3+4
 DATE: 90/10/09
 * SOIL * (ACT:F31)

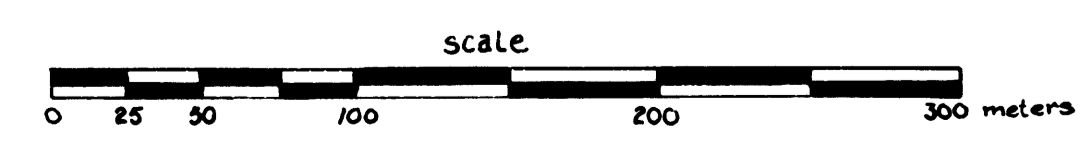
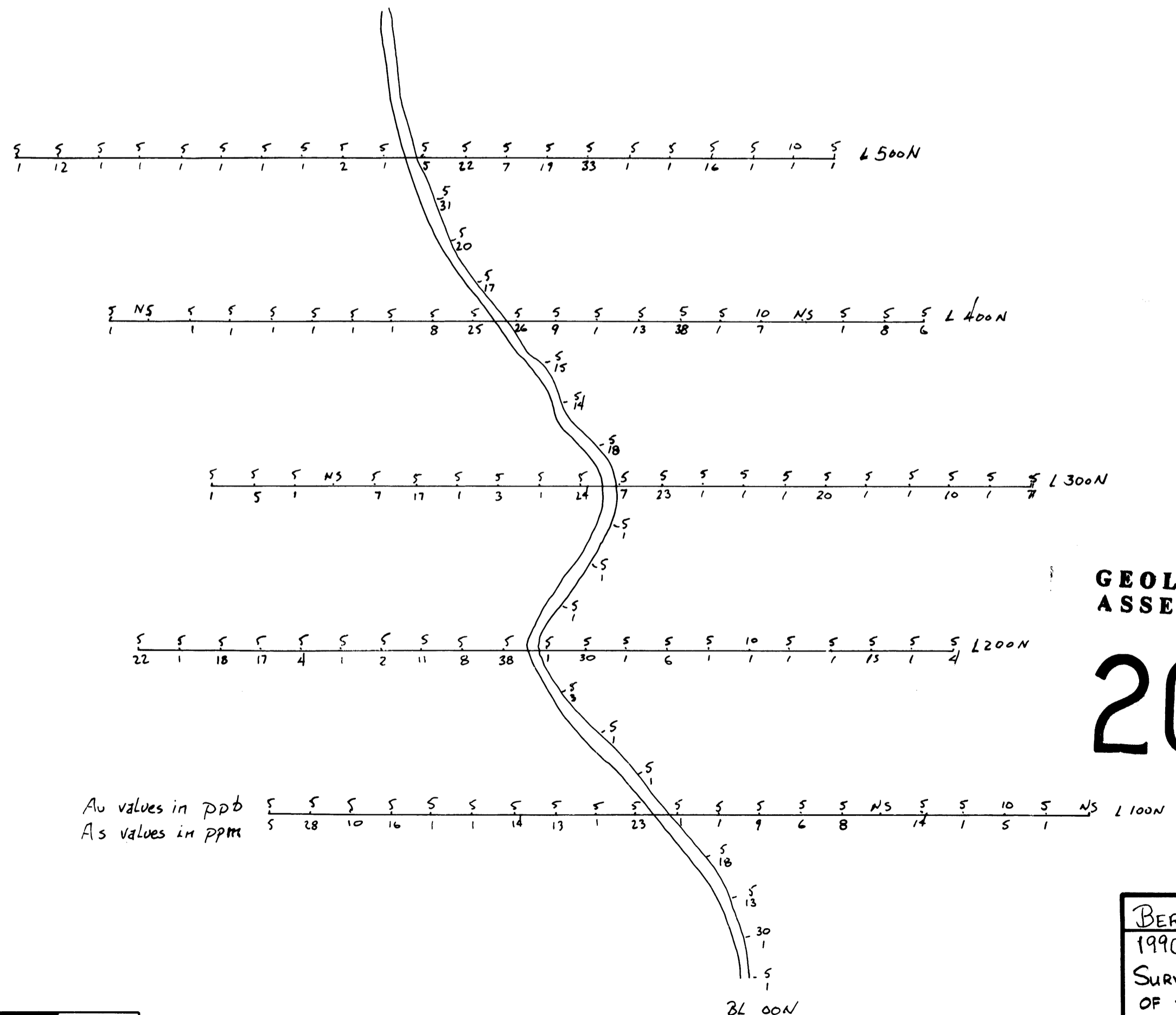
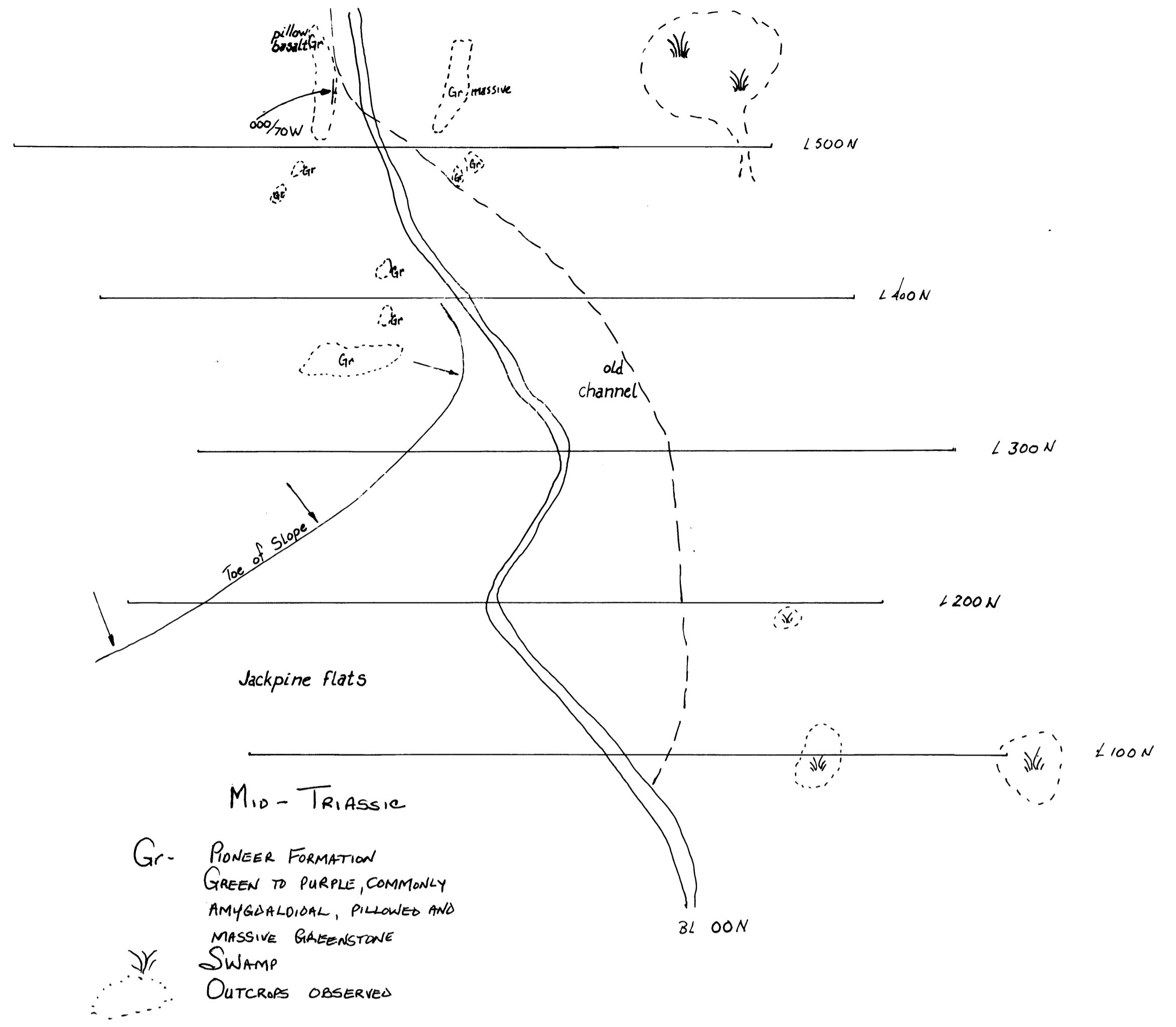
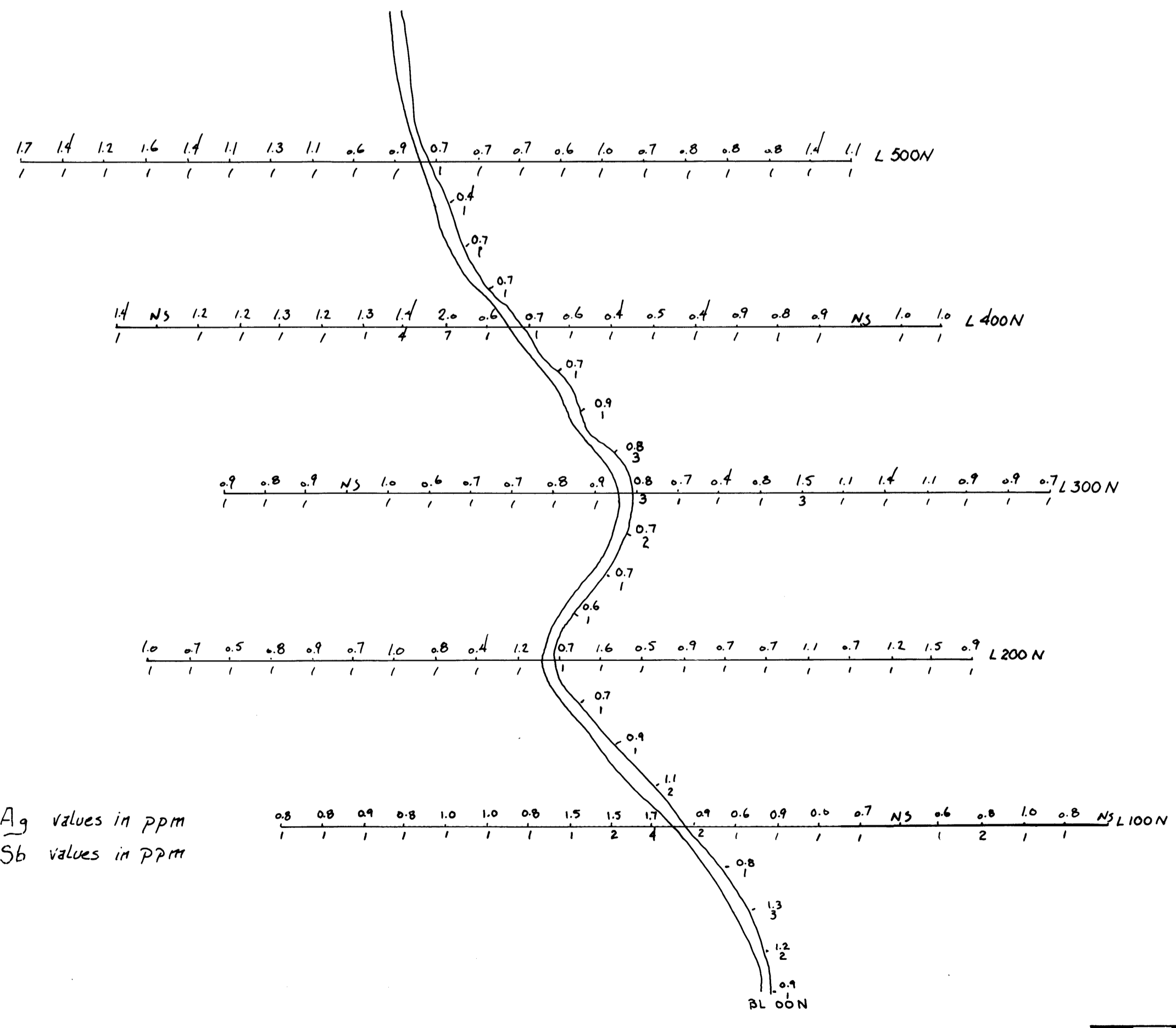
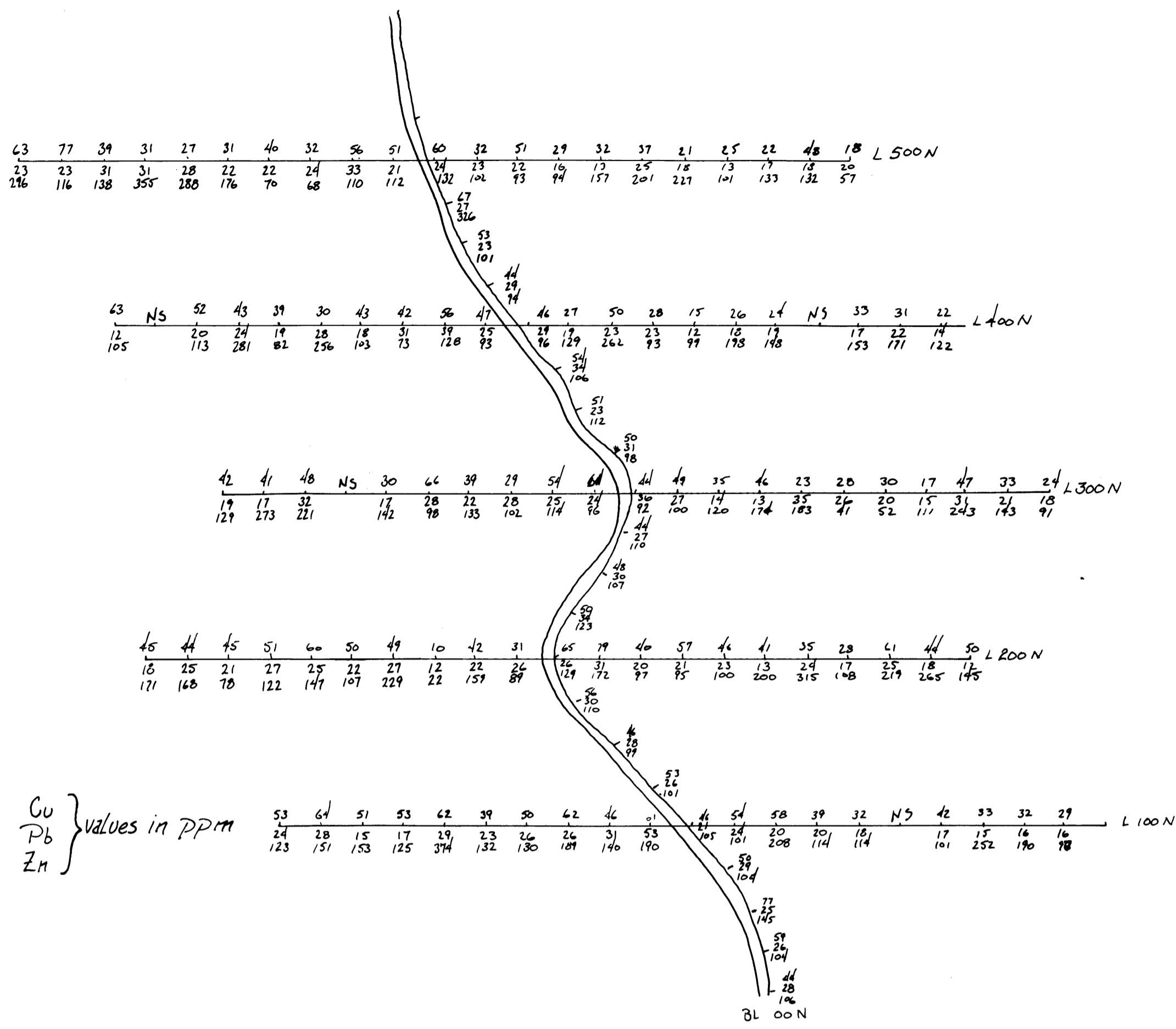
SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
GC-BL300N	.8	7	44	36	3	92	5
GC-BL325N	.8	18	50	31	3	98	5
GC-BL350N	.9	14	51	23	1	112	5
GC-BL375N	.7	15	54	34	1	106	5
GC-BL400N	.7	26	46	29	1	96	5
GC-BL425N	.7	17	44	29	1	94	5
GC-BL450N	.7	20	53	23	1	101	5
GC-BL475N	.4	31	67	27	1	326	5
GC-BL500N	.7	5	60	24	1	132	5
GC-L100N-025E	.6	1	54	24	1	101	5
GC-L100N-050E	.9	9	58	20	1	208	5
GC-L100N-075E	.6	6	39	20	1	114	5
GC-L100N-100E	.7	8	32	18	1	114	5
GC-L100N-150E	.6	14	42	17	1	101	5
GC-L100N-175E	.8	1	33	15	2	252	5
GC-L100N-200E	1.0	5	32	16	1	190	10
GC-L100N-225E	.8	1	29	16	1	97	5
GC-L200N-025E	1.6	30	79	31	1	172	5
GC-L200N-050E	.5	1	40	20	1	97	5
GC-L200N-075E	.9	6	57	21	1	95	5
GC-L200N-100E	.7	1	46	23	1	100	5
GC-L200N-125E	.7	1	41	13	1	200	10
GC-L200N-150E	1.1	1	35	24	1	315	5
GC-L200N-175E	.7	1	28	17	1	108	5
GC-L200N-200E	1.2	13	61	25	1	219	5
GC-L200N-225E	1.5	1	44	18	1	265	5
GC-L200N-250E	.9	4	50	12	1	145	5
GC-L300N-025E	.7	23	49	27	1	100	5
GC-L300N-050E	.4	1	35	14	1	120	5
GC-L300N-075E	.8	1	46	13	1	174	5
GC-L300N-100E	1.5	1	23	35	3	183	5
GC-L300N-125E	1.1	20	28	26	1	41	5
GC-L300N-150E	1.4	1	30	20	1	52	5
GC-L300N-175E	1.1	1	17	15	1	111	5
GC-L300N-200E	.9	10	47	31	1	243	5
GC-L300N-225E	.9	1	33	21	1	143	5
GC-L300N-250E	.7	7	24	18	1	91	5
GC-L400N-025E	.6	9	27	19	1	129	5
GC-L400N-050E	.4	1	50	23	1	262	5
GC-L400N-075E	.5	13	28	23	1	93	5
GC-L400N-100E	.4	38	15	12	1	99	5
GC-L400N-125E	.9	1	26	18	1	198	5
GC-L400N-150E	.8	7	24	19	1	148	10
GC-L400N-200E	.9	1	33	17	1	153	5
GC-L400N-225E	1.0	8	31	22	1	171	5
GC-L400N-250E	1.0	6	22	14	1	122	5
GC-L500N-025E	.7	22	32	23	1	102	5
GC-L500N-050E	.7	7	51	22	1	93	5
GC-L500N-075E	.6	19	29	16	1	94	5
GC-L500N-100E	1.0	33	32	13	1	157	5
GC-L500N-125E	.7	1	37	25	1	201	5
GC-L500N-150E	.8	1	21	18	1	227	5
GC-L500N-175E	.8	16	25	13	1	101	5
GC-L500N-200E	.8	1	22	17	1	133	5
GC-L500N-225E	1.4	1	48	18	1	132	10
GC-L500N-250E	1.1	1	18	20	1	57	5

COMP: BERKLEY RES
 PROJ: BERKEY
 ATTN: J. MILLER-TAIT

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: OV-1556-SJ1+2
 DATE: 90/10/09
 * SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
GC-L100N+025W	1.7	23	61	53	4	190	5
GC-L100N+050W	1.5	1	46	31	2	140	5
GC-L100N+075W	1.5	13	62	26	1	189	5
GC-L100N+100W	.8	14	50	26	1	130	5
GC-L100N+125W	1.0	1	39	23	1	132	5
GC-L100N+150W	1.0	1	62	29	1	374	5
GC-L100N+175W	.8	16	53	17	1	125	5
GC-L100N+200W	.9	10	51	15	1	153	5
GC-L100N+225W	.8	28	64	28	1	151	5
GC-L100N+250W	.8	5	53	24	1	123	5
GC-L200N+025W	1.2	38	31	26	1	89	5
GC-L200N+050W	.4	8	42	22	1	159	5
GC-L200N+075W	.8	11	10	12	1	22	5
GC-L200N+100W	1.0	2	49	27	1	229	5
GC-L200N+125W	.7	1	50	22	1	107	5
GC-L200N+150W	.9	4	60	25	1	147	5
GC-L200N+175W	.8	17	51	27	1	122	5
GC-L200N+200W	.5	18	45	21	1	78	5
GC-L200N+225W	.7	1	44	25	1	168	5
GC-L200N+250W	1.0	22	45	18	1	171	5
GC-L300N+025W	.9	24	61	24	1	96	5
GC-L300N+050W	.8	1	54	25	1	114	5
GC-L300N+075W	.7	3	29	28	1	102	5
GC-L300N+100W	.7	1	39	22	1	133	5
GC-L300N+125W	.6	17	66	28	1	98	5
GC-L300N+150W	1.0	7	30	17	1	142	5
GC-L300N+200W	.9	1	48	32	1	221	5
GC-L300N+225W	.8	5	41	17	1	273	5
GC-L300N+250W	.9	1	42	19	1	129	5
GC-L400N+025W	.6	25	47	25	1	93	5
GC-L400N+050W	2.0	8	56	39	7	128	5
GC-L400N+075W	1.4	1	42	31	4	73	5
GC-L400N+100W	1.3	1	43	18	1	103	5
GC-L400N+125W	1.2	1	30	28	1	256	5
GC-L400N+150W	1.3	1	39	19	1	82	5
GC-L400N+175W	1.2	1	43	24	1	281	5
GC-L400N+200W	1.2	1	52	20	1	113	5
GC-L400N+250W	1.4	1	63	12	1	105	5
GC-L500N+025W	.9	1	51	21	1	112	5
GC-L500N+050W	.6	2	56	33	1	110	5
GC-L500N+075W	1.1	1	32	24	1	68	5
GC-L500N+100W	1.3	1	40	22	1	70	5
GC-L500N+125W	1.1	1	31	22	1	176	5
GC-L500N+150W	1.4	1	27	28	1	288	5
GC-L500N+175W	1.6	1	31	31	1	355	5
GC-L500N+200W	1.2	1	39	31	1	138	5
GC-L500N+225W	1.4	12	77	23	1	116	5
GC-L500N+250W	1.7	1	63	23	1	296	5
GC-BL00N	.9	1	44	28	1	106	5
GC-BL25N	1.2	1	59	26	2	104	30
GC-BL50N	1.3	13	77	25	3	145	5
GC-BL75N	.8	18	50	29	1	104	5
GC-BL00N	.9	1	46	21	2	105	5
GC-BL25N	1.1	1	53	26	2	101	5
GC-BL50N	.9	1	46	28	1	99	5
GC-BL75N	.7	3	56	30	1	110	5
GC-BL00N	.7	1	65	26	1	129	5
GC-BL25N	.6	1	50	34	1	123	5
GC-BL50N	.7	1	48	30	1	107	5
GC-BL75N	.7	1	44	27	2	110	5



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**
20,795

BERKLEY RESOURCES LTD	
1990 SOIL GEOCHEMICAL SURVEYS AND GEOLOGICAL MAPPING OF THE DOME CLAIMS	
BY: J.M.T.	SCALE 1:2500
LILLOET MINING DIV	DATE: DEC 1990