

MAP NO. 105 B 2      ASSESSMENT REPORT X      DOCUMENT NO.: 092527  
PROSPECTUS      MINING DISTRICT: WATSON LAKE  
CONFIDENTIAL X      TYPE OF WORK: GEOCHEMICAL  
OPEN FILE

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REPORT FILED UNDER: Hardy Hibbing

---

DATE PERFORMED: September 15-17, 1987      DATE FILED: Sept. 2, 1988

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LOCATION:    LAT.: 60° 03' N      AREA: Mile 719 Alaska Hwy  
              LONG.: 130° 50' W      VALUE \$: 1,200.00

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CLAIM NAME & NO.: KIRK 1-2 Y74873-Y74874; BRENDON 1-2 YA91481-482

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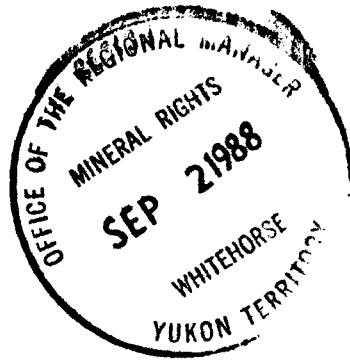
WORK DONE BY: Hardy Hibbing

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WORK DONE FOR: Hardy Hibbing

---

DATE TO GOOD STANDING	REMARKS:
	#9 CARLICK Forty-six grab samples were taken from
	from a single line along Carlick Creek. East-trending cross-
	faults contain up to 15.9% Zn, 2.2% Pb and 195 g/t Ag.
	Northeast-trending quartz-pyrite veins contain up to
	240 g/t Ag and 200 ppb Au.



Hardy Hibbing  
Box 547  
Watson Lake, Yukon Y0A 1C0

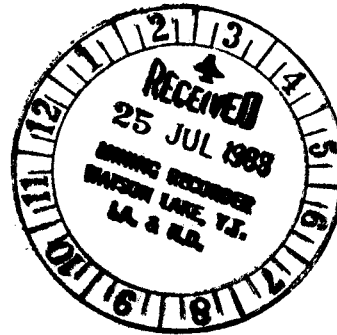
Telephone: 403-536-7954

Geochemical report

Kirk 1-2 claims Y 74873 - Y 748 74  
Brendon 1-2 claims Y A 91481 - Y A 91482

Claim Sheet 105 B2

Latitude 60° 03' N  
Longitude 130° 50' W



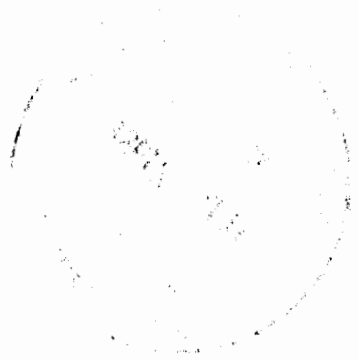
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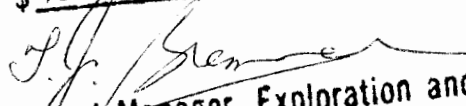
Hardy Hibbing, Prospector

Work done from Sept. 15th, 1987 to Sept. 17th, 1987

092527

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 1200.00.



*for*   
Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.



*[Faint handwritten text]*

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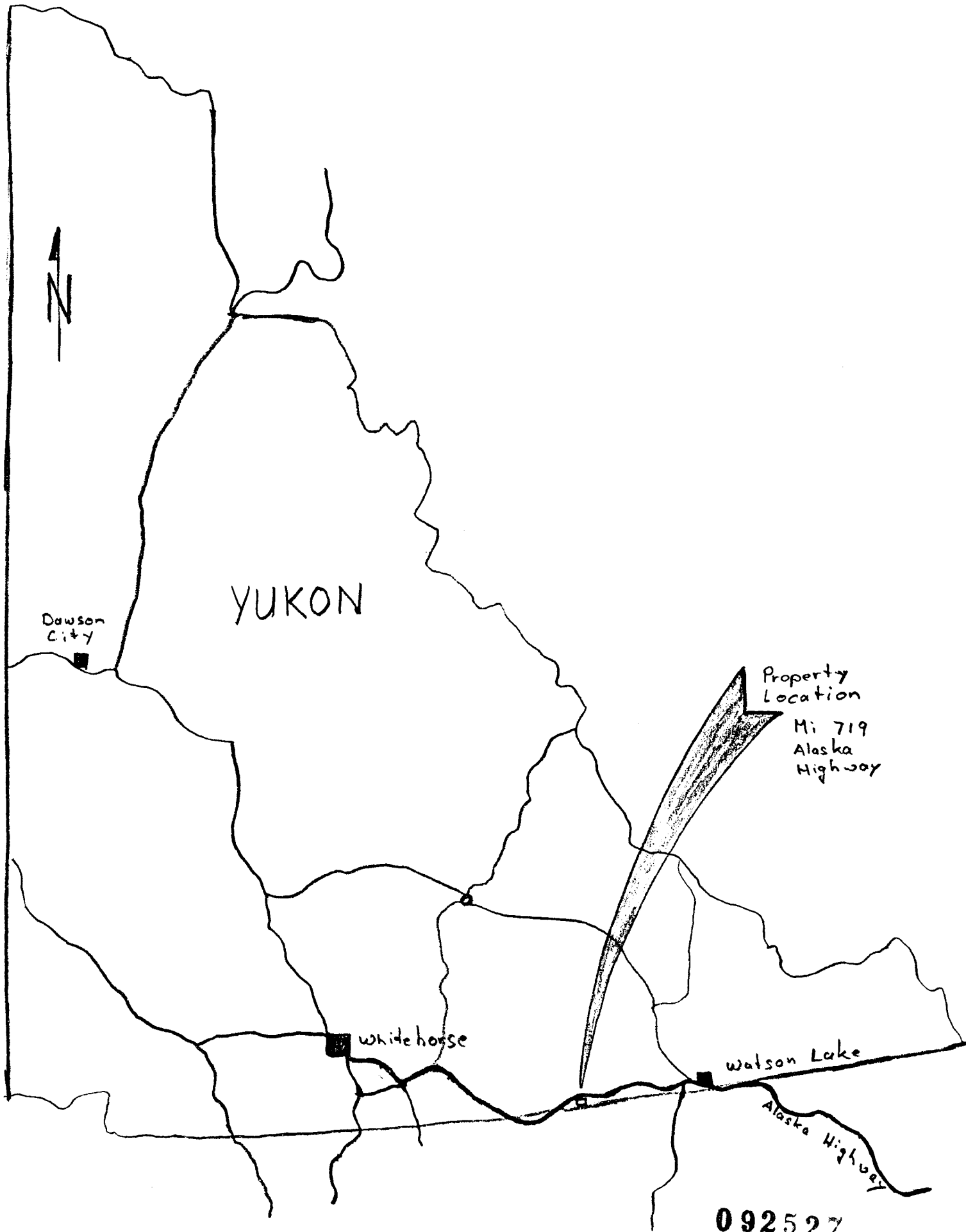
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Introduction

Staked in 1974 by Hardy Hibbing on the basis of wire gold panned out of gravels in Carlick Creek the Kirk 1,2,3,4 mineral claims were located. The Kirk 3 and 4 were lapsed and are now the Brendon 1-2.

A single line of 46 Geo-chem samples was taken and tested for gold and gold-related elements. Results are attached in appendix III.

Property, location and access

The Kirk 1-2 Brendon 1-2 claims are recorded under the name of Hardy Hibbing. The location of the claims is described in location Map 1. The claims are recorded in the Watson Lake mining district as follows:

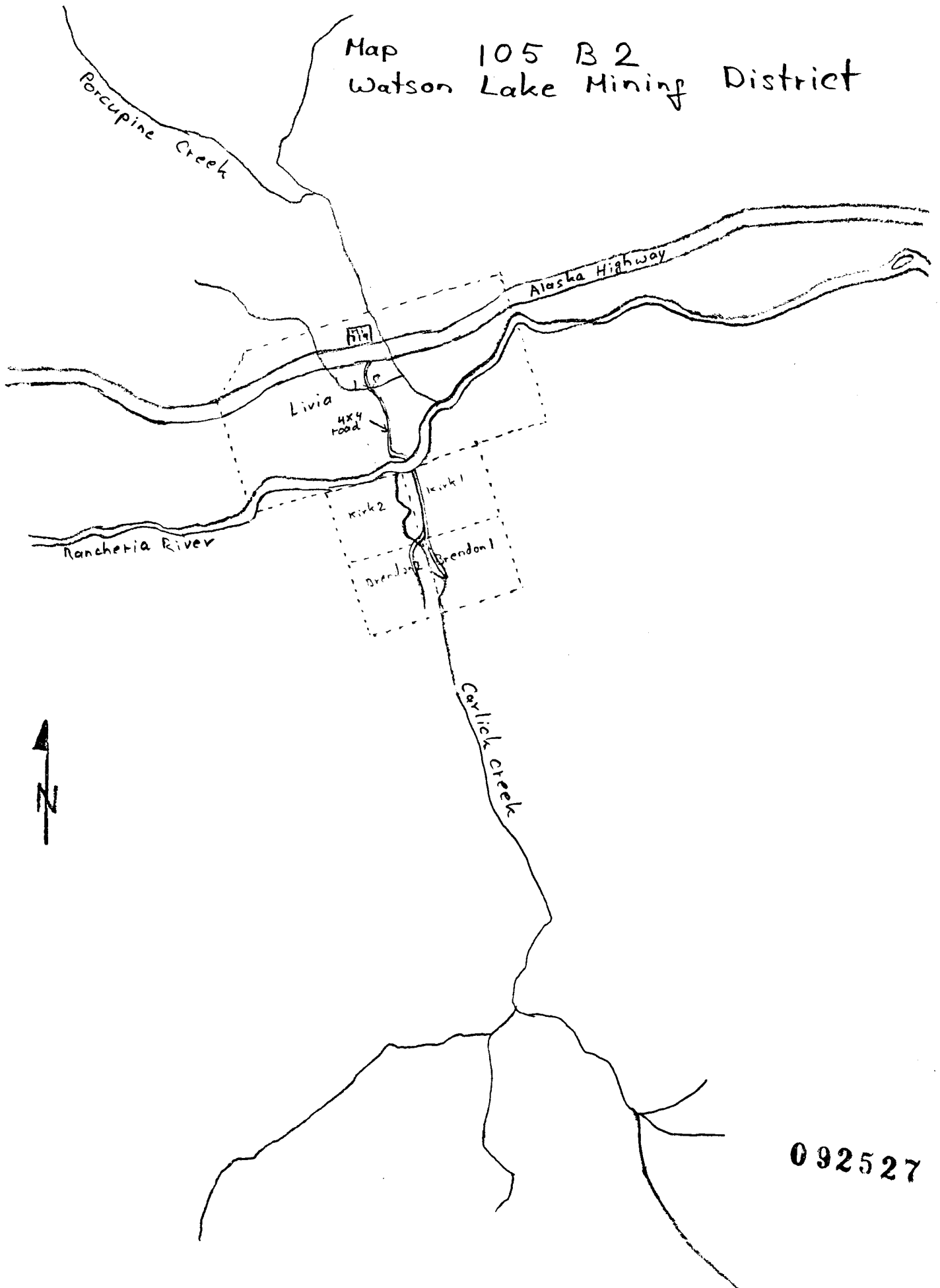
Kirk 1-2 Y 74873 - Y 74874

Brendon 1-2 YA 91481 - YA 91482

The claims are located 84 miles west of Watson Lake  $\frac{1}{2}$  mile south of Mile 719 of the Alaska Highway. A road has been constructed by bulldozer to access all 4 claims by 4X4.

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Map 105 B 2  
Watson Lake Mining District



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105-B 2  
1:30000

△  
5445



4000

4500

3500

3000

3 CHIEF YB01269	4 YB01270
1 CHIEF YB01267	2 YB01268

Creek

ALASKA HWY. (1)

LOT 48

N.P.A. 00016

3000

3 LIVIA	5 YB14145	7 YB14149
1 YB14143	2 YB14144	4 YB14146
6 YB14147	8 YB14148	YB14150

CHERIA

1 KIRK YB14151	2 BRENDA YB14152
3 ORO DISE.	4 P4-1201
5 YB14153	6 YB14154
7 YB14155	8 YB14156
9 YB14157	10 YB14158
11 YB14159	12 YB14160
13 YB14161	14 YB14162
15 YB14163	16 YB14164
17 YB14165	18 YB14166
19 YB14167	20 YB14168
21 YB14169	22 YB14170
23 YB14171	24 YB14172
25 YB14173	26 YB14174
27 YB14175	28 YB14176
29 YB14177	30 YB14178
31 YB14179	32 YB14180
33 YB14181	34 YB14182
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43 YB14191	44 YB14192
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47 YB14195	48 YB14196
49 YB14197	50 YB14198
51 YB14199	52 YB14200
53 YB14201	54 YB14202
55 YB14203	56 YB14204
57 YB14205	58 YB14206
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65 YB14213	66 YB14214
67 YB14215	68 YB14216
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71 YB14219	72 YB14220
73 YB14221	74 YB14222
75 YB14223	76 YB14224
77 YB14225	78 YB14226
79 YB14227	80 YB14228
81 YB14229	82 YB14230
83 YB14231	84 YB14232
85 YB14233	86 YB14234
87 YB14235	88 YB14236
89 YB14237	90 YB14238
91 YB14239	92 YB14240
93 YB14241	94 YB14242
95 YB14243	96 YB14244
97 YB14245	98 YB14246
99 YB14247	100 YB14248
101 YB14249	102 YB14250
103 YB14251	104 YB14252
105 YB14253	106 YB14254
107 YB14255	108 YB14256
109 YB14257	110 YB14258
111 YB14259	112 YB14260
113 YB14261	114 YB14262
115 YB14263	116 YB14264
117 YB14265	118 YB14266
119 YB14267	120 YB14268
121 YB14269	122 YB14270
123 YB14271	124 YB14272
125 YB14273	126 YB14274
127 YB14275	128 YB14276
129 YB14277	130 YB14278
131 YB14279	132 YB14280
133 YB14281	134 YB14282
135 YB14283	136 YB14284
137 YB14285	138 YB14286
139 YB14287	140 YB14288
141 YB14289	142 YB14290
143 YB14291	144 YB14292
145 YB14293	146 YB14294
147 YB14295	148 YB14296
149 YB14297	150 YB14298
151 YB14299	152 YB14300
153 YB14301	154 YB14302
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213 YB14361	214 YB14362
215 YB14363	216 YB14364
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219 YB14367	220 YB14368
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243 YB14391	244 YB14392
245 YB14393	246 YB14394
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293 YB14441	294 YB14442
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297 YB14445	298 YB14446
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307 YB14455	308 YB14456
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311 YB14459	312 YB14460
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315 YB14463	316 YB14464
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319 YB14467	320 YB14468
321 YB14469	322 YB14470
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325 YB14473	326 YB14474
327 YB14475	328 YB14476
329 YB14477	330 YB14478
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333 YB14481	334 YB14482
335 YB14483	336 YB14484
337 YB14485	338 YB14486
339 YB14487	340 YB14488
341 YB14489	342 YB14490
343 YB14491	344 YB14492
345 YB14493	346 YB14494
347 YB14495	348 YB14496
349 YB14497	350 YB14498
351 YB14499	352 YB14500

Creek

3500

4500

4500

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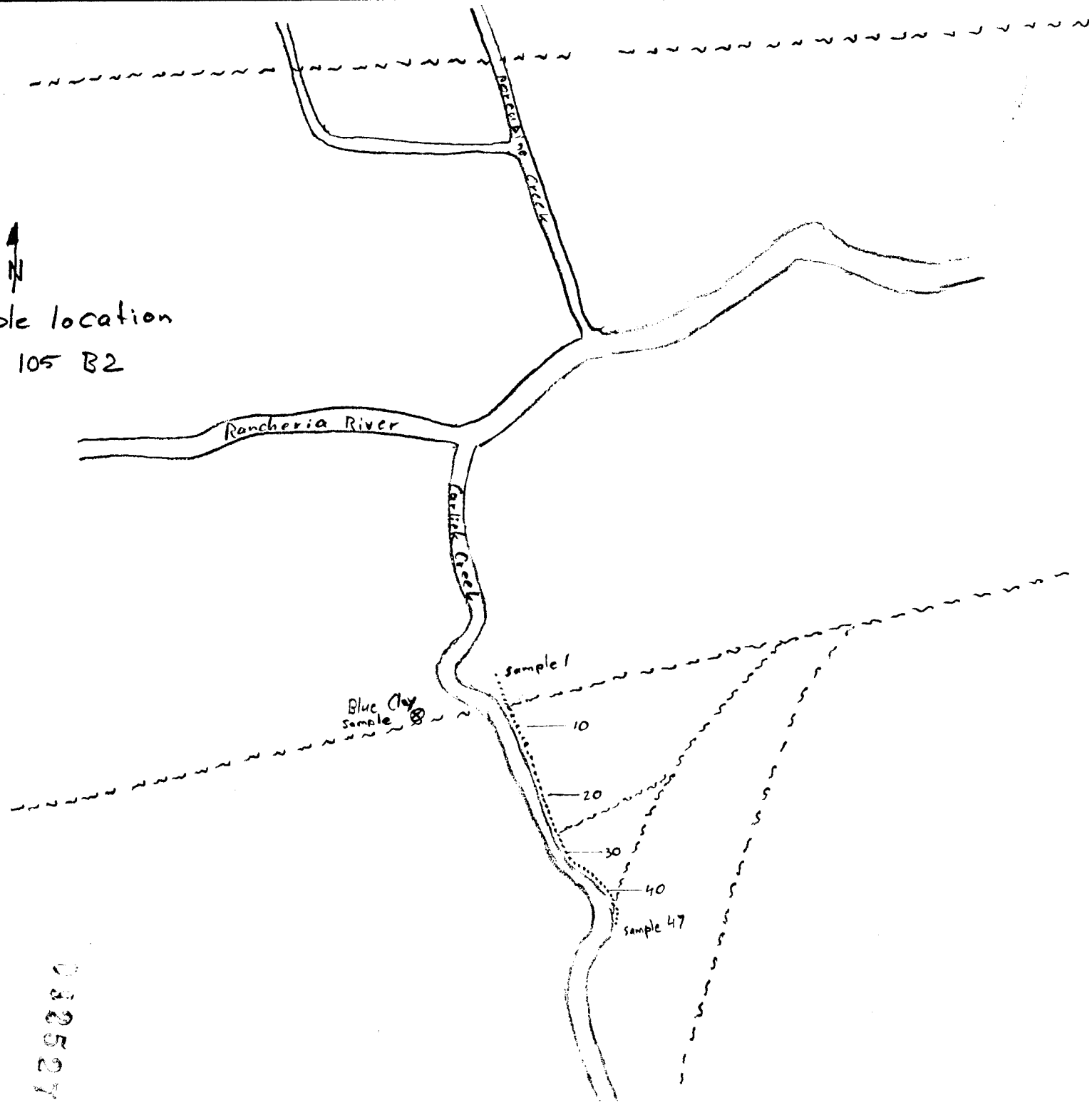
6000

Previous Work:

Previous work consisted of trenching with a bull dozer to expose bedrock inside the Carlick Creek Canyon (Cassiar fault). No significant mineralization was uncovered. Cross cutting faults show some encouraging mineralization with values of 15.9% Zn., 2.29% lead, 5.69 oz/t Ag., 0.208% Col., 74 ppb Au in an 8 inch wide vein striking N.E. towards the Rancheria Rift Valley. Signs of earlier work performed on this property are numerous including trenches left by placer-miners. Trees with as many as 175 rings growing out of tailings point to an area prior to the Klondike Goldrush. Efforts to obtain records of previous work were negative to date.

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↑  
N  
Sample location  
Map 105 B2

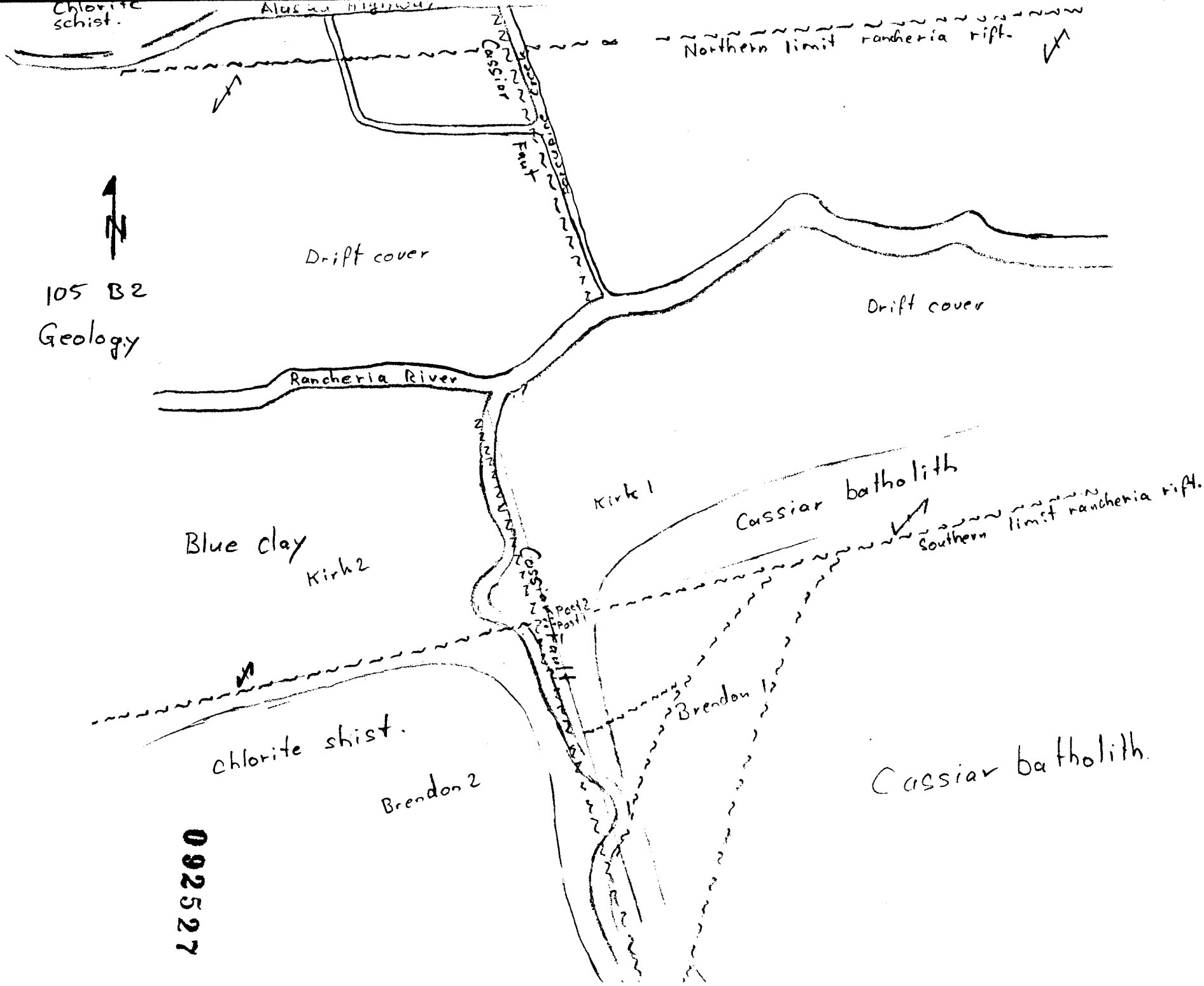


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## Geology and Mineralization

The property overlies the contact of the Cassiar Batholith and chlorite schist with the Cassiar fault as the dividing line striking north-south. A second fault striking east-west outlines the southern limit of the Rancheria rift valley, responsible for the mineralization found on the crossfaults. Blue clay containing iron pyrite crystals squeezed out of the east-west trending fault during the process of crust-thinning (dropping of the Rancheria valley in the rift) is underlying the Rancheria River Valley to the north of the southern limit of the riftvalley and to the west of the Cassiar fault (see scetch). The clay contains no gold (<5 ppb). A fault connecting the Cassiar fault to the Rancheria fault at approximately a 45° angle (NE) shows good mineralization of Zn, Pb, Ag, As, Bi, Cd within highly pyritic strong quartzveining probably of mesothermal origin, bordered by graphitic pyritic shales in an approximately 120 foot wide fault gouge. Grab samples run up to 7 oz/+ Ag and 200 ppb Au. Placer gold of cornkernel size and wire gold in pyrite matix sluiced out of Carlick Creek suggests local source of gold.

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### Geochemistry:

A single line of 46 samples was taken at the eastern base of the Carlick Creek Canyon (Cassiar fault) to locate crosscutting faults and familiarize myself with the geochemistry of these crosscutting faults. The target is gold and silver and four abnormalities have been found against a background of less than 5 ppb Au. All samples were run for gold and gold related elements with the purpose to isolate pathfinder elements. No apparent correlation can be isolated by me. Samples were taken from soils and screened to -80 Mesh at 30' spacing. Nine grab samples across the graphitic crossfault revealed high Zn, Ag, Pb, Cd, As.

## Discussion:

Result of my previous work combined with results of the single geo-chem line show the crossfaults to be targets for further exploration. As expected both intersections of visible crossfaults show higher gold values. The blue clay squeezed out of the main crossfault contains no gold, but placer-miners trenched the clay leaving me to believe of values below the clay I have not yet penetrated the clay to its lower limits but found in the tailines in the old trenches balls of wire gold in iron pyrite probably excavated from below the clay. Gold in that form has to be grown locally since the matrix is soft and would not withstand movement in alluvium. The size of balls of wire gold found by me were that of a walnut and a hazelnut with the wires similar to steel wool grown through pyrite. Gold bearing solutions are probably traveling under the clay fueled by heat sources originating in the recent volcanic flows in the Rancheria rift valley. The high Zn values (1600 ppm) in the vesicular olivine basalt flows at Rancheria (Mi 711 Alaska Highway) and corresponding high Zn in the crossfaults at Carlick Creek lead me to focus my efforts at these crossfaults. To penetrate the clay will be a target for later this season. Claims across the northern limit of the rift valley have just been located by me and will be treated like the southern limit.



H. Hibbing

092527

Personnel:

I, Hardy Hibbing, prospector of Watson Lake, Yukon Territory, P.O. Box 547, Telephone 403-536-7954 have staked and worked this property since 1974 and have collected all samples myself.

I have successfully completed the prospecting course offered by the Chamber of Mines in the Yukon.

\$1400.00 have been expended on this geo chem line in costs to Chemex Labs Ltd.

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105-B-02

KIRK

HARDY HIBBING

Assay Samples

60° 03'

131° 48'

092527

INVOICE

Nº 4747 A

MIN-EN LABORATORIES LTD.

705 WEST 15TH STREET  
 NORTH VANCOUVER, B.C.  
 CANADA V7M 1T2

Phone: (604) 980-5814 or 988-4524  
 Telex: 04-352828

DATE Aug. 24/84.  
 YOUR ORDER NO.

TO · Hardy Hibbing,  
 · Box 547,  
 · Watson Lake, Yukon.

OUR ORDER NO.	TERMS	F.O.B.		
4-789				
QUANTITY	STOCK NUMBER/DESCRIPTION	UNIT PRICE	AMOUNT	
8	pulp geochem - Ag,Au	6 75	54 00	
3	pulp - 40 element spec	35 00	105 00	
	TOTAL		<u>159 00</u>	

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.  
 OVER 30 DAYS 2% INTEREST PER MONTH WILL BE CHARGED.

092527

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

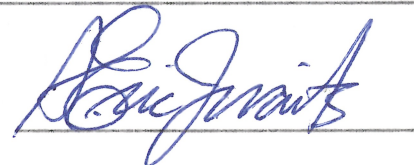
COMPANY: HARDY HIBBING  
PROJECT:  
ATTENTION: HARDY HIBBING

FILE: 4-789  
DATE: AUGUST 21/84  
TYPE: GEOCHEM PULPS

We hereby certify that the following are the results of the geochemical analysis made on 8 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPB
RH1	1.3	10
2	1.0	5
3	0.4	5
4	0.4	25
5	0.8	5
6	13.2	5
7	4.6	5
RH8	1.8	<5

Certified by



092527

MIN-EN Laboratories Ltd.  
Specialists in Mineral Environments  
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: 04-352828

SEMI-QUANTITATIVE SPECTROGRAPHIC ANALYSIS CERTIFICATE

TO: HARDY HIBBING  
ATTN: HARDY HIBBING

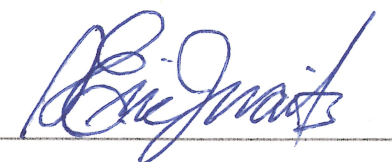
FILE No: 4-789  
DATE: AUGUST 21/84

We hereby certify that the following are the results of the semi-quantitative spectrographic analysis made on 3 samples submitted.

SAMPLE NUMBER:		RPR	FMC	TM1
Aluminum	Al	5.47	7.23	6.81
Antimony	Sb	<.001	<.001	<.001
Arsenic	As	0.001	0.001	<.001
Barium	Ba	0.07	0.08	0.06
Beryllium	Be	<.01	<.01	<.01
Bismuth	Bi	<.001	<.001	<.001
Boron	B	<.01	<.01	<.01
Cadmium	Cd	<.001	<.001	<.001
Calcium	Ca	4.65	2.41	1.16
Chromium	Cr	0.01	0.01	<.01
Cobalt	Co	<.001	<.001	<.001
Copper	Cu	<.001	0.001	0.002
Gold	Au	<.001	<.001	<.001
Iron	Fe	3.05	3.11	1.50
Germanium	Ge	<.02	<.02	<.02
Lead	Pb	0.001	0.001	0.011
Lithium	Li	<.01	<.01	<.01
Magnesium	Mg	2.38	1.55	0.32
Manganese	Mn	0.05	0.06	0.04
Molybdenum	Mo	<.001	<.001	<.001
Nickel	Ni	0.003	0.002	0.002
Niobium	Nb	<.02	<.02	<.02
Potassium	K	1.59	2.05	2.67
Phosphorous	P	0.05	0.05	0.02
Palladium	Pd	<.001	<.001	<.001
Platinum	Pt	<.001	<.001	<.001
Rubidium	Rb	<.05	<.05	<.05
Selenium	Se	<.02	<.02	<.02
Silicon	Si	28.07	30.95	25.47
Silver	Ag	<.001	<.001	<.001
Sodium	Na	1.05	2.46	1.90
Strontium	Sr	0.03	0.04	0.03
Thorium	Th	<.001	<.001	<.001
Tin	Sn	<.01	<.01	<.01
Titanium	Ti	0.26	0.34	0.10
Tungsten	W	<.01	<.01	<.01
Uranium	U	<.001	<.001	<.001
Vanadium	V	0.002	0.003	0.002
Zinc	Zn	0.006	0.005	0.009
Zirconium	Zr	<.02	<.02	<.02

(ALL RESULTS ARE EXPRESSED AS PERCENT)

Certified by



092527

COMPANY: HARDY HIBBING

MIN-EN LABS ICP REPORT

(ACT:GEO4) PAGE 1 OF 4

PROJECT No:

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-1285

ATTENTION: HARDY HIBBING

(604)980-5814 OR (604)988-4524

\*TYPE ROCK GEOCHEM\*

DATE: OCTOBER 25, 1984

(REPORT VALUES IN PPM)	AG	AL	AS	AU	B	BA	BE	BI	CA	CD	CO	CR
SC V <i>Aurex</i>	1.1	67000	10	0	6	786	0	12	1070	.6	1	2
SC VII <i>Reids H.</i>	10.1	1840	48	0	2	53000	0	25	160	61.0	5	104

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COMPANY: HARDY HIBBING

MIN-EN LABS ICP REPORT

(ACT:6ED4) PAGE 2 OF 4

PROJECT No:

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-1285

ATTENTION: HARDY HIBBING

(604)980-5814 OR (604)988-4524

\*TYPE ROCK GEOCHEM\*

DATE: OCTOBER 25, 1984

(REPORT VALUES IN PPM)	CU	FE	GE	K	LI	MG	MN	MO	NA	NB	NI	P
SC V <i>Aurex</i>	27	10800	1	47200	1	1600	71	0	24600	1420	1	915
SC VII <i>R. Hill</i>	33	15600	1	512	0	170	39	12	26	0	18	488

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COMPANY: HARDY HIBBING

MIN-EN LABS ICP REPORT

(ACT:6E04) PAGE 3 OF 4

PROJECT No:

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-1285

ATTENTION: HARDY HIBBING

(604)980-5814 OR (604)988-4524

\*TYPE ROCK GEOCHEM\*

DATE: OCTOBER 25, 1984

(REPORT VALUES IN PPM)	PB	PD	PT	RB	SB	SE	SI	SN	SR	TH	TI	U
SC V <i>Aurex</i>	600	0	0	264	0	1	188000	1	288	9	800	2
SC VII <i>R.H.U</i>	3480	0	0	3	227	3	171000	2	196	1	12	0

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COMPANY: HARDY HIBBING

MIN-EN LABS ICP REPORT

(ACT:6ED4) PAGE 4 OF 4

PROJECT No:

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-1285

ATTENTION: HARDY HIBBING

(604)980-5814 OR (604)988-4524

\*TYPE ROCK GEOCHEM\*

DATE: OCTOBER 25, 1984

(REPORT VALUES IN PPM)	V	W	ZN	ZR
SC V <i>Aurex</i>	1.7	2	52	33
SC VII <i>R. Hill</i>	4.6	11	26100	4

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MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524

TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: HARDY HIBBING  
PROJECT:  
ATTENTION: HARDY HIBBING

FILE: 4-1285  
DATE: OCTOBER 25/84  
TYPE: ROCK GEOCHEM

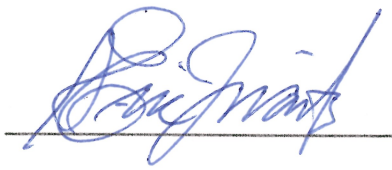
We hereby certify that the following are the results of the geochemical analysis made on 18 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPB	
SC II	0.6	5	Aurex
III	0.8	20	Aurex
IV	0.8	5	Aurex
V	5.2	10	Aurex
VI	0.9	5	Aurex
VII	11.4	5	Aurex
IX	0.9	5	Aurex
X	117.0	10	Aurex
XI	34.0	10	Aurex
XII	315.0	5	Aurex High grade slip zone
XIII	112.0	5	Aurex BQ (Black Quartz)
VIII	55.0	5	Aurex (lime)
SC XIV	0.4	10	Aurex
CC I	1.5	10	
II	1.3	5	
III	2.6	5	
IV	1.2	<5	
CC V	1.3	5	

Rock geochem.

CC A

Certified by



092527

INVOICE

N<sup>o</sup> 4882 A

MIN-EN LABORATORIES LTD.

705 WEST 15TH STREET  
NORTH VANCOUVER, B.C.  
CANADA V7M 1T2

Phone: (604) 980-5814 or 988-4524

Telex: 04-352828

DATE Sept. 3/84.

YOUR  
ORDER NO.

TO • Hardy Hibbing,  
• Box 547,  
• Watson Lake, Yukon.

OUR ORDER NO. 4-870		TERMS	F.O.B.		
QUANTITY	STOCK NUMBER/DESCRIPTION	UNIT PRICE		AMOUNT	
11	soil geochem - Ag,Au	6	75	74	25
1	soil geochem - Pb,As	3	90	3	90
11	soil sample prep		85	9	35
	TOTAL			87	50

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.  
OVER 30 DAYS 2% INTEREST PER MONTH WILL BE CHARGED.

092527

MIN-EN Laboratories Ltd.  
Specialists in Mineral Environments  
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: HARDY HIBBING  
PROJECT:  
ATTENTION: HARDY HIBBING

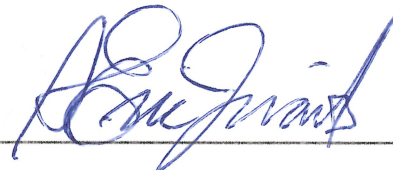
FILE: 4-12854/84  
DATE: OCT. 24/84  
TYPE: PULP GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 1 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPB
SCI	2.6	5

Creek sediments Auress

Certified by



092527

INVOICE

MIN-EN LABORATORIES LTD.

705 WEST 15TH STREET  
 NORTH VANCOUVER, B.C.  
 CANADA V7M 1T2

Phone: (604) 980-5814 or 988-4524  
 Telex: 04-352828

N<sup>o</sup> 5372 A

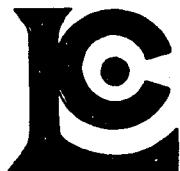
DATE Oct.30/84.  
 YOUR  
 ORDER NO.

TO · Hardy Hibbing,  
 · Box 547,  
 · Watson Lake, Yukon.  
 YOA 1CO.

OUR ORDER NO. 4-1285		TERMS	F.O.B.		
QUANTITY	STOCK NUMBER/DESCRIPTION	UNIT PRICE		AMOUNT	
19	rock geochem - Ag,Au	6	75	128	25
18	rock sample prep	2	50	45	00
2	40 element ICP	29	00	58	00
	TOTAL			231	25

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.  
 OVER 30 DAYS 2% INTEREST PER MONTH WILL BE CHARGED.

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# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: HIBBING, MR. HARDY

\*\*

BOX 547  
WATSON LAKE, Y. T.  
Y0A 1C0

**\* INVOICE NUMBER 18811260 \***

## BILLING INFORMATION

Date : 23-FEB-88  
Project :  
P.O. # :  
Account : DBG

Billing : For analysis performed on  
Certificate A8811260

Terms : Net payment in 30 Days  
1.5% per month (18% per annum)  
charged on overdue accounts.

Please remit payments to:

CHEMEX LABS LTD.  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J-2C1

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYZED	UNIT PRICE	AMOUNT
100	- Au ppb FA+AA			
961	- Sb ppm			
962	- As ppm			
963	- Bi ppm			
964	- Cd ppm			
965	- Cu ppm			
967	- Pb ppm			
20	- Hg ppb			
968	- Mo ppm			
16	- Se ppm			
969	- Ag ppm			
972	- Zn ppm	3	23.75	71.25
975	- Au ppb AFS			
977	- Pd ppb AFS			
976	- Pt ppb AFS			
961	- Sb ppm			
962	- As ppm			
963	- Bi ppm			
964	- Cd ppm			
965	- Cu ppm			
967	- Pb ppm			
20	- Hg ppb			
968	- Mo ppm			
16	- Se ppm			
969	- Ag ppm			
972	- Zn ppm	6	29.00	174.00
975	- Au ppb AFS			
977	- Pd ppb AFS			
976	- Pt ppb AFS	1	12.00	12.00
Sample preparation and other charges :				
205	- Rock/Core - RING	10	3.00	30.00
Total Cost \$				287.25
TOTAL PAYABLE \$				287.25



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212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: HIBBING, MR. HARDY

\*\*

BOX 547  
WATSON LAKE, Y. T.  
Y0A 1C0

**\* INVOICE NUMBER 18810771 \***

092527

## BILLING INFORMATION

Date : 8-FEB-88  
Project :  
P.O. # : NONE  
Account : DBG

Billing : For analysis performed on  
Certificate A8810771

Terms : Net payment in 30 Days  
1.5% per month (18% per annum)  
charged on overdue accounts.

Please remit payments to:

CHEMEX LABS LTD.  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J-2C1

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYZED	UNIT PRICE	AMOUNT
961 -	Sb ppm			
962 -	As ppm			
963 -	Bi ppm			
964 -	Cd ppm			
965 -	Cu ppm			
967 -	Pb ppm			
20 -	Hg ppb			
968 -	Mo ppm			
16 -	Se ppm			
969 -	Ag ppm			
972 -	Zn ppm			
100 -	Au ppb FA+AA	47	23.75	1116.25

Sample preparation and other charges :

214 -	Received as pulp	47	0.00	0.00
-------	------------------	----	------	------

Total Cost \$ 1116.25

TOTAL PAYABLE \$ 1116.25



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212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: HIBBING, MR. HARDY

\*\*

BOX 547

WATSON LAKE, Y. T.

Y0A 1C0

**\* INVOICE NUMBER 18812550 \***

092527

## BILLING INFORMATION

Date : 22-MAR-88  
Project :  
P.O. # : NONE  
Account : DBG

Billing : For analysis performed on  
Certificate A8812550

Terms : Net payment in 30 Days  
1.5% per month (18% per annum)  
charged on overdue accounts.

Please remit payments to:

CHEMEX LABS LTD.  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J-2C1

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYZED	UNIT PRICE	AMOUNT
312 -	Pb %			
316 -	Zn %			
320 -	Cd %			
349 -	Bi %			
383 -	Ag FA oz/T	1	36.00	36.00
349 -	Bi %	1	9.00	9.00
Sample preparation and other charges :				
214 -	Received as pulp	2	0.00	0.00
Total Cost \$				45.00
TOTAL PAYABLE \$				45.00



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212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: HIBBING, MR. HARDY

BOX 547  
WATSON LAKE, Y. T.  
Y0A 1C0

Comments:

092527

A8812550

CERTIFICATE A8812550

HIBBING, MR. HARDY

PROJECT :

P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.

This report was printed on 22-MAR-88.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
214	2	Received sample as pulp

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
312	1	Pb %: HClO <sub>4</sub> -HNO <sub>3</sub> digestion	AAS	0.01	100.0
316	1	Zn %: HClO <sub>4</sub> -HNO <sub>3</sub> digestion	AAS	0.01	100.0
320	1	Cd %: HClO <sub>4</sub> -HNO <sub>3</sub> digestion	AAS	0.001	100.00
349	2	Bi %: HClO <sub>4</sub> -HNO <sub>3</sub> digestion	AAS	0.001	100.00
383	1	Ag oz/T	FA-GRAVIMETRIC	0.01	20.00



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212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1  
PHONE (604) 984-0221

To: HIBBING, MR. HARDY

BOX 547  
WATSON LAKE, Y. T.  
Y0A 1C0

Comments:

0897

A8810771

CERTIFICATE A8810771

HIBBING, MR. HARDY  
PROJECT :  
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 8-FEB-88.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
214	47	Received sample as pulp

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
961	47	Sb ppm: Gold-related package	AAS-BKGD CORR	0.2	1000
962	47	As ppm: Gold-related package	AAS-HYDRIDE/EDL	1	10000
963	47	Bi ppm: Gold-related package	AAS-BKGD CORR	0.1	1000
964	47	Cd ppm: Gold-related package	AAS-BKGD CORR	0.1	1000
965	47	Cu ppm: Gold-related package	AAS	1	10000
967	47	Pb ppm: Gold-related package	AAS-BKGD CORR	1	10000
20	47	Hg ppb: HNO <sub>3</sub> -HCl digestion	AAS-FLAMELESS	5	100
968	47	Mo ppm: Gold-related package	AAS	1	10000
16	47	Se ppm: HCl-KClO <sub>3</sub> digest, ext	AAS-BKGD CORR	0.2	1000
969	47	Ag ppm: Gold-related package	AAS-BKGD CORR	0.1	200
972	47	Zn ppm: Gold-related package	AAS	1	10000
100	47	Au ppb: Fuse 10 g sample	FA-AAS	5	10000



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BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: HIBBING, MR. HARDY

BOX 547  
WATSON LAKE, Y. T.  
Y0A 1C0

Comments:

A8811260

CERTIFICATE A8811260

HIBBING, MR. HARDY

PROJECT :

P.O.# :

Samples submitted to our lab in Vancouver, BC.

This report was printed on 23-FEB-88.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	10	Rock & core: Ring

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	3	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
975	7	Au ppb: ICP-fluorescence package	FA-ICP-AFS	2	10000
977	7	Pd ppb: ICP-fluorescence package	FA-ICP-AFS	2	10000
976	7	Pt ppb: ICP-Fluorescence package	FA-ICP-AFS	5	10000
961	9	Sb ppm: Gold-related package	AAS-BKGD CORR	0.2	1000
962	9	As ppm: Gold-related package	AAS-HYDRIDE/EDL	1	10000
963	9	Bi ppm: Gold-related package	AAS-BKGD CORR	0.1	1000
964	9	Cd ppm: Gold-related package	AAS-BKGD CORR	0.1	1000
965	9	Cu ppm: Gold-related package	AAS	1	10000
967	9	Pb ppm: Gold-related package	AAS-BKGD CORR	1	10000
20	9	Hg ppb: HNO <sub>3</sub> -HCl digestion	AAS-FLAMELESS	5	100
968	9	Mo ppm: Gold-related package	AAS	1	10000
16	9	Se ppm: HCl-KClO <sub>3</sub> digest. ext	AAS-BKGD CORR	0.2	1000
969	9	Ag ppm: Gold-related package	AAS-BKGD CORR	0.1	200
972	9	Zn ppm: Gold-related package	AAS	1	10000



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BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: HIBBING, MR. HARDY

BOX 547  
WATSON LAKE, Y. T.  
Y0A 1C0

Project:  
Comments:

\*\*Page No. : 1  
Tot. Pages: 2  
Date : 8-FEB-88  
Invoice #: 1-8810771  
P.O. #: NONE

092590

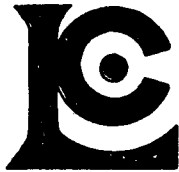
## CERTIFICATE OF ANALYSIS A8810771

SAMPLE DESCRIPTION	PREP CODE	Sb ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Pb ppm	Hg ppb	Mb ppm	Se ppm	Ag ppm	Zn ppm	Au ppb FA+AA		
BLUE CLAY															
BL 01	214 ---	1.2	12	0.2	0.1	47	9	70	1	0.2	0.4	69	< 5		
BL 02	214 ---	7.0	41	0.5	0.1	65	27	20	1	0.2	0.4	158	< 5		
BL 03	214 ---	3.8	24	0.6	0.4	44	28	20	1	0.2	0.5	157	< 5		
BL 04	214 ---	8.4	73	0.8	0.2	47	34	20	1	0.2	0.5	196	< 5		
BL 05	214 ---	3.6	33	0.7	1.1	35	38	20	1	0.2	1.1	184	< 50		
BL 06	214 ---	6.8	80	0.9	0.3	55	33	30	1	0.2	0.5	168	25		
BL 07	214 ---	3.4	33	0.7	0.2	35	23	20	1	0.2	0.2	107	5		
BL 08	214 ---	4.6	11	0.3	0.6	40	16	20	1	0.2	0.3	74	1200		
BL 09	214 ---	2.0	27	1.0	0.2	22	16	10	1	0.2	0.1	88	10		
BL 10	214 ---	2.8	30	1.0	0.4	56	27	20	1	0.2	0.2	95	30		
BL 11	214 ---	2.0	32	0.8	0.2	37	18	20	1	0.2	0.3	88	< 5		
BL 12	214 ---	3.4	53	0.4	0.1	54	18	30	1	0.2	0.1	84	< 5		
BL 13	214 ---	3.6	37	0.4	0.1	40	17	20	1	0.2	0.2	94	< 5		
BL 14	214 ---	5.2	46	0.3	0.1	26	7	20	1	0.2	0.1	57	< 5		
BL 15	214 ---	5.2	180	0.5	0.2	54	20	30	1	0.2	0.4	99	< 5		
BL 16	214 ---	2.0	24	0.5	0.3	22	17	40	1	0.2	0.3	126	< 5		
BL 17	214 ---	6.6	200	0.5	0.1	58	13	30	1	0.2	0.5	83	20		
BL 18	214 ---	6.0	36	0.7	0.1	35	24	10	1	0.2	0.4	77	30		
BL 19	214 ---	4.0	45	0.6	0.1	31	22	20	1	0.2	0.3	89	20		
BL 20	214 ---	4.4	48	0.5	0.1	38	16	20	1	0.2	0.4	88	10		
BL 21	214 ---	6.0	90	0.6	0.1	57	26	20	1	0.2	0.4	96	10		
BL 22	214 ---	4.4	50	0.5	0.1	35	20	10	1	0.2	0.4	86	10		
BL 23	214 ---	5.2	29	0.7	0.1	28	22	10	1	0.2	0.4	87	< 5		
BL 24	214 ---	3.8	48	0.5	0.1	43	21	20	1	0.2	0.3	75	< 5		
BL 25	214 ---	8.6	70	0.3	0.1	24	10	10	1	0.2	0.2	56	< 5		
BL 26	214 ---	8.0	80	0.3	0.1	21	6	10	1	0.2	0.5	53	50		
BL 27	214 ---	5.0	23	0.2	0.1	10	3	10	1	0.2	0.1	49	< 5		
BL 28	214 ---	5.6	23	0.2	0.1	16	5	10	1	0.2	0.1	53	< 5		
BL 29	214 ---	2.4	20	0.1	0.1	15	3	20	1	0.2	0.2	54	< 5		
BL 30	214 ---	9.2	25	0.3	0.1	27	6	10	1	0.2	0.1	52	5		
BL 31	214 ---	9.6	25	0.3	0.1	32	4	20	1	0.2	0.2	48	5		
BL 32	214 ---	10.0	41	0.7	0.1	28	14	20	1	0.2	0.4	64	< 5		
BL 33	214 ---	6.6	36	0.5	0.3	26	13	20	1	0.2	0.2	72	< 5		
BL 34	214 ---	10.6	32	0.4	0.1	25	7	10	1	0.2	0.2	56	< 5		
BL 35	214 ---	8.2	53	0.3	0.1	21	11	10	1	0.2	0.1	67	< 5		
BL 36	214 ---	3.0	38	0.7	0.4	28	27	30	1	0.2	0.3	117	< 5		
BL 37	214 ---	1.2	22	1.0	0.3	20	21	20	1	0.2	0.2	116	< 5		
BL 38	214 ---	1.2	24	1.0	0.4	27	28	20	1	0.2	0.1	114	< 5		
BL 39	214 ---	1.4	22	0.4	0.1	27	18	10	1	0.2	0.1	89	40		
BL 40	214 ---	2.0	20	0.2	0.1	44	15	20	1	0.2	0.2	106	5		

168  
148.0

CERTIFICATION : Hunter B. Allen





# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To: HIBBING, MR. HARDY

BOX 547  
 WATSON LAKE, Y. T.  
 Y0A 1C0

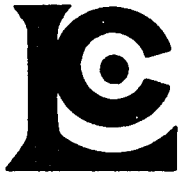
Project :  
 Comments:

\*\*Page No. : 1  
 Tot. Pages: 1  
 Date : 22-FEB-88  
 Invoice # : I-8811260  
 P.O. # :

## CERTIFICATE OF ANALYSIS A8811260

SAMPLE DESCRIPTION	PREP CODE	Au ppb	Au ppb	Pd ppb	Pt ppb	Sb	As	Bi	Cd	Cu	Pb	Hg	Mo	Se	Ag	Zn	
		FA+AA	AFS	AFS	AFS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
AT OLD SLUICE	205	---	340	2	< 5	---	---	---	---	---	---	---	---	---	---	---	---
SAMPLE #1	205	---	20	< 2	< 5	190.0	170	>200	2.4	63	1630	60	1	7.0	68.0	105	
SAMPLE #2	205	10	---	---	---	13.6	24	7.5	0.2	10	15	270	2	0.2	0.5	26	
SAMPLE #3	205	---	4	< 2	< 5	7.2	38	8.5	0.5	63	8	310	5	6.6	0.5	173	
SAMPLE #4	205	---	4	< 2	< 5	0.2	2	0.9	0.1	69	1	60	1	0.8	0.1	52	
SAMPLE #5	205	< 5	---	---	---	0.4	19	0.9	0.1	3	1	30	1	0.4	0.1	8	
SAMPLE #6	205	---	< 2	< 2	< 5	0.2	5	0.1	0.1	47	1	20	1	0.2	0.1	42	
SAMPLE #7	205	---	74	< 2	5	3.0	640	>200	>100.0	565	>10000	40	5	8.0	>100.0	>10000	
SAMPLE #8	205	---	22	4	< 5	6.0	45	2.3	9.3	51	106	20	1	2.0	0.9	820	
SAMPLE #9	205	< 5	---	---	---	3.6	16	1.9	4.7	15	73	10	1	2.0	0.6	468	

CERTIFICATION : Hart/Behler



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: HIBBING, MR. HARDY

BOX 547  
WATSON LAKE, Y. T.  
Y0A 1C0

Project :  
Comments:

\*\*Page No. : 1  
Tot. Pages: 1  
Date : 22-MAR-88  
Invoice # : I-8812550  
P.O. # : NONE

092527

## CERTIFICATE OF ANALYSIS A8812550

SAMPLE DESCRIPTION	PREP CODE	Pb %	Zn %	Cd %	Bi %	Ag FA oz/T					
SAMPLE #1	214 --	-----	-----	-----	0.143	-----					
SAMPLE #7	214 --	2.29	15.90	0.208	0.039	5.69					

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION : *W. Elmer Davis*