Vancouver Island Gold

Geochemistry

Amai Gold

B. Holland

92F/4

521865

Amai Gold D. Heino

PROBABLY
ALL AMAI

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 46900
INVOICE NO. 29858
RECEIVED March 27/79
ANALYSED March 28/79

TO: Welcom North Mines Ltd.,
1027 - 470 Granville St.,
VAncouver, B.C.
V6C 1V5

ATTN:

CC. Fox Geological Cons. Ltd.

SAMPLE NO. :		PPB Au
0+20N	1+80W	<10
L00S	1+75W	60
L1S	2Wa	60
	2WAA	140
	2WC	380
	2W	120
	2.25A	<10
	2.25	<10
	4.75WA	130
	4.75WB	140
	4.75WC	30
L1S	4.75W	320
0S	1+60W	10
10S	1+75W	60
0+90S	8+30W	30
1S	1+98W	1020
	2+00W	170
	8+30W	170
1S	8+50W	20
1.80S	1.50W	40
2S	8+15W	<10
2S	8+25W	<10
2+50S	8+25W	<10
3S	8+10W	<10
3S	8+25W	60
Adamcrk. 79001		<10
Logging Rd. 15001 up 79004		<10
Creek flowing into Adam Crk E. Side		10

AMA

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ASSAY

CERTIFICATE NO. 65078
INVOICE NO. 29859
RECEIVED March 27/79
ANALYSED March 28/79

TO: Welcome North Mines Ltd.,
1027 - 470 Granville St.,
Vancouver, B.C.
V6C 1V5

ATTN: CC. Fox Geological Cons. Ltd.

SAMPLE NO. :	oz/ton Au	
F-1	0.078	chip samples from #1 adit. mineralized zone.
F-2	0.024	
F-3	0.238	

Final

CTA MEMBER CANADIAN TESTING ASSOCIATION

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 98[redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 46901
INVOICE NO. 29881
RECEIVED March 27/79
ANALYSED April 4/79

TO: Fox Geological Consultants Ltd.,
3743 Roblin Place
North Vancouver, B.C.
V7N 2C5.

ATTN:

SAMPLE NO. :	PPB Gold
2S 8+15W R	<10

AMA

STA
MEMBER
CANADIAN TESTING
ASSOCIATION

CERTIFIED BY: Joanne F. Madsen

Esperanza Explorations Ltd.,

Page _____

SAMPLES FOR ASSAY

Amai Inlet Gold Property March 1979

Sample Number	Claim or Showing	Type (width)	Sampler Date	COMMENTS	Date Sent	Assay Results %Zn	%Pb	oz.Ag	Au
7901	Amai	chip 0.5m	March 20	0-0.5m - aplite dyke just below adit #1					<0.002
02	"	"	"	0.5-1.0m "					.004
03	"	"	"	1.0-1.5m "					.008
04	"	chip 0.6m	"	1.5-2.1m "					.010
05	"	grab	"	adit #3 from viscinity of Patmore sample 4461					1.71
06	"	grab	"	" " from E wall of adit #3 (3" width) opposite Patmore sample 4471					9.56
07	"	0.43m chip	"	adit #3 at Patmore sample 4473					4.22
08	"	grab	D. Murphy March 21	Bonanza vein from Tahsis road cut West of property - pyrite					.065

To: Esperanza Exploration Ltd.

PAGE No. 1

REPORT No A29 - 152

DATE: April 5, 1979

BONDAR-CLEGG & COMPANY LTD.

CERTIFICATE OF ASSAY

c/o Welcome North Mines Ltd.
1027 - 470 Granville Street
Vancouver, B.C. V6C 1V5

Samples submitted: April 2, 1979
Results completed: April 5, 1979

I hereby certify that the following are the results of assays made by us upon the herein described ore samples.

MARKED	GOLD		SILVER								TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
7901	<0.002										
7902	0.004										
7903	0.008										
7904	0.010										
7905	1.71										
7906	9.56										
7907	4.22										
7908	0.065										

R H Rogers

Registered Assayer, Province of British Columbia

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47082
INVOICE NO. 30010
RECEIVED April 17/79
ANALYSED April 20/79

TO: Welcome North Mines Ltd.,
1027 - 470 Granville St.,
Vancouver, B.C.
V6C 1V5

ATTN:

Esperanza

SAMPLE NO. :	PPM Cu	PPB Au	
79005		< 10	silt stone nipples 11.50
79006		< 10	" " " 13.50E
79007		240	" EL12A 16.50S
79008	22	< 10	"
79009	24	< 10	"
79010		< 10	"
79011		10	silt
79012		< 10	
79013		< 10	silt
79015A		< 10	
79016	18	100	silt
79017		80	silt
79018		< 10	
79019		< 10	soil base of dyke
79022		> 10,000	"
79024		20	soil
79025		< 10	
79029	40	< 10	silt
79030	34	280	silt
79031		< 10	silt
L1S8.50WA		10	
L1S8.50Wresample		< 10	
L2S10.25W		10	
10.50		< 10	
10.75		< 10	
11		10	
11.25		< 10	
11.50		< 10	
11.75		< 10	
12		< 10	
12.25		< 10	
12.50		< 10	
12.75		< 10	
13		< 10	
13.50		< 10	
13.75		< 10	
14		< 10	
14.05creek silt		< 10	
14.25		< 10	
L2S14.50W		< 10	

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Norma F. Gradsin

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47083

INVOICE NO. 30010

RECEIVED April 17/79

ANALYSED April 20/79

TO: Welcome North Mines Ltd.,
1027b- 470 Granville St.,
Vancouver, B.C.
V6C 1V5

ATTN:

SAMPLE NO. :	PPB Au
L2S 14.75W	20
15	< 10
L2S 15.10creek silt	< 10
3S 8W	10
L3S 8.25WA	40
8.25 B	< 10
8.25 resample	80
8.25 AA	< 10
10.25	10
10.50	< 10
10.75	< 10
11	< 10
11.25	< 10
11.50	< 10
11.75	< 10
12	< 10
12.25	< 10
12.50	< 10
12.75	10
13	< 10
13.25	< 10
13.50	10
13.75	< 10
14	< 10
14.25	< 10
14.50	< 10
14.75	< 10
L3S 15 W	< 10
BL4S00W	< 10
L4S 0.25W	< 10
0.50	< 10
0.75	< 10
1	< 10
1.25	< 10
1.50	< 10
1.75	< 10
2	10
2A	50
2.25	20
L4S 2.50 creek silt W	3800

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Norman F. Hadsin

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47084

INVOICE NO. 30010

RECEIVED April 17/79

ANALYSED April 20/79

TO: Welcome North Mines Ltd.,
1027 - 470 Granville St.,
Vancouver, B.C.
V6C 1V5

ATTN:

SAMPLE NO. :	PPB Au
L4S 2.75W	10
3	< 10
3.25	< 10
3.50	< 10
3.75	10
4	< 10
4.25	10
4.50	< 10
4.75	< 10
5	< 10
5.25	10
5.50	10
5.75	< 10
6	< 10
6.25	< 10
6.50	< 10
6.75	< 10
7	< 10
7.25	< 10
7.50 silt mill creek	< 10
7.75	10
8	10
8.25	< 10
8.50	10
8.75	< 10
9	< 10
9.25	10
9.50	380
9.75	< 10
10	< 10
10.25	10
10.50	< 10
10.75	< 10
11	< 10
11.25	< 10
11.50	< 10
11.75	< 10
12	< 10
12.25	10
L4S12.50W	< 10

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Joanne F. Nielsen

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0224
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47085
INVOICE NO. 30010
RECEIVED April 17/79
ANALYSED April 20/79

TO: Welcome North Mines Ltd.,
1027 - 470 Granville St.,
Vancouver, B.C.
V6C 1V5
ATTN:

SAMPLE NO. :	PPB Au
L4S 12.75W	< 10
13	< 10
13.25	< 10
13.50	10
13.75	< 10
14	< 10
14.25	< 10
14.50	< 10
14.75	< 10
L4S 15W	< 10
BL5S00W	10
L5S 0.25W	< 10
0.50	< 10
0.75	< 10
1	10
1.25	< 10
1.50	10
1.75	10
2	< 10
2.25	< 10
2.50	< 10
2.75	< 10
3.	< 10
3.25	10
3.50	80
3.75	< 10
4	20
4.25	< 10
4.50	< 10
4.75	< 10
5	< 10
5.25	20
5.50	10
5.75	< 10
6	< 10
6.25	< 10
6.50	20
6.75	10
7	< 10
L5S 7.25W	< 10

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Norm F. Hadsen

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47086

INVOICE NO. 30010

RECEIVED April 17/79

ANALYSED April 20/79

TO: Welcome North Mines Ltd.,
1027 - 470 Granville St.,
Vancouver, B.C.
V6C 1V5

ATTN:

SAMPLE NO. :	PPB Au
L5S 7.50W	10
7.75	< 10
8	< 10
8.25	< 10
8.50	< 10
8.75	< 10
9	< 10
9.25	< 10
9.50	< 10
9.75	< 10
10	< 10
10.25	< 10
10.50	20
10.75	10
11	10
11.25	< 10
11.50	< 10
11.75	< 10
12	< 10
12.25	20
12.50	< 10
12.75	< 10
13	< 10
13.25	< 10
13.50	10
13.75	10
14	< 10
14.25	< 10
14.50	< 10
14.75	< 10
L5S 15W	< 10

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Norman F. Hallsand.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47087

INVOICE NO. 30010

RECEIVED April 17/79

ANALYSED April 20/79

TO: Welcome North Mines Ltd.,
1027 - 470 Granville St.,
Vancouver, B.C.
V6C 1V5

ATTN:

SAMPLE NO. :	PPB Au	ROCKS
RH #1	280	
2	160	
3	< 10	
5	1880	
6	< 10	
7	< 10	
8	10	
9	30	
RH# 10	30	

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Norman F. Wadsworth.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47088

INVOICE NO. 30010

RECEIVED April 17/79

ANALYSED

TO: Welcome North Mines Ltd.,
1027 - 470 Granville St.,
Vancouvr, B.C.
V6C 1V5

ATTN:

SAMPLE NO. :	PPB Au	ROCKS
79015	< 10	
79015A	< 10	
79020	3500	
79021	320	
79023	60	
79026	1600	
79027	40	
79028	200	
79032	10	
79033	8000	
79034	2500	
79035	10	
79036	10	
79037	> 10,000	
79038	60	
79039	40	
79040	30	

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Joanne T. Erickson

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 66880
INVOICE NO. 34075
RECEIVED Nov. 6/79
ANALYSED Nov. 29/79

TO: Esperanza Explorations
1027 - 470 Granville
Vancouver, B.C.
V6C 1V5

ATTN:

SAMPLE NO. :	PPB Pt	PPB Au		
28276	< 500*	2650*	*wt. of sample - 1 gm.	79-938
28277	< 50	10		79-896
28278	< 50	950		79-934

Weins oz/t

B Twaites
REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

CTA MEMBER CANADIAN TESTING ASSOCIATION

BONDAR-CLEGG & COMPANY LTD.

1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

Geochemical Lab Report

Extraction: Cu,Mo; Hot Aqua Regia / Au; Fire Assay & Hot Aqua Regia

Report No. 29 - 243

Method: Atomic Absorption

From: Esperanza Explorations Ltd.

Fraction Used:

Date: April 30 19 79

SAMPLE NO.	Cu ppm	Mo ppm	Au ppb		SAMPLE NO.	Cu ppm	Mo ppm	Au ppb	
ESP 79 - 1	-	-	< 5		ESP 79 - 31	-	-	140	
2	-	-	30						
3	-	-	5						
4	-	-	< 5						
5	-	-	5						
6	-	-	5						
7	-	-	35						
8	35	2	95						
9	-	-	5						
10	-	-	< 5						
11	-	-	< 5						
12	-	-	< 5						
13	-	-	2340						
14	-	-	< 5						
15	-	-	<16.7*						
16	-	-	< 5						
17	-	-	< 5						
18	-	-	< 5						
19	-	-	< 5						
20	41	< 1	< 5						
21	43	2	< 5						
22	-	-	< 5						
23	-	-	< 5						
24	22	< 1	< 5						
25	-	-	< 5						
26	-	-	< 5						
27	48	< 1	< 5						
28	45	< 1	< 5						
29	22	1	< 5						
30	-	-	< 5						

* detected on a small sample

can't read lower ~~than~~ 16.7 (mathematically derived figure) for samples containing <5 grams of -80 mesh

check

HEINO

HOLLAND

HEINO SAMPLES TO APRIL 30/79.

V-16

ASSAYS BOND CLEGG. 79-1-31.	HEINO	79-1 - 79-29	- AMAI CACHALOT
		79-32 - 77	- BUCHHOL CHANNEL.
		79-41 - 48	- KOPRINO HARBOUR.
		79-62 - 68	- NEROUTSOS INLET.
		79-69 - 75	QUATSINO SOUND

ASSAYS

BOND C

Esperanza Explorations Ltd.

April 10 to April 25/79

Amai Inlet Vancouver Island

Dave Murphy gold

Main showings consist of a breccia quartz vien along a contact of granodiorite and felsite; within this breccia quartz the gold occurrs over very narrow widths 1/2" to 6" some sections are highgrade .5 to 10 ozs., but over a mineable width the dilution factor increases tremenously which might give you .10 to .3. Then again this vien which is 2" to 2' wide would give you very low tonnage possible 20,000 tons, the cost of a road up to the property would cost more than 20,000 tons. This property is of no farther interest.

Adam Thompson's gold

Geology cosists of granodiorite with minor fractures, following a minor fault, which trends north to south. Within this fault there was one 1/4" seam of chlorite which carried considerable gold, it is of my opinion that this deposit is high grade over 1/4" width, but over a mineable width is nowhere near ecomical ore. This property is of no farther interest.

Silt sampling was carried on to Cachalot Inlet, Amai Inlet and Cachalot creek. Esp 79-1 to Esp 79-31

Cachalot creek silts showed a possible gold anomaly near the head this should be followed up when time permits.

One pyrite showing was found in a small creek on the south side of Cachalot Inlet, which was approx: 100 wide that had no gold values but gave about ½ oz. of silver.

Yours truly

T. Ito

To: Esp[illegible]nza Explorations Ltd.

PAGE No. 1

REPORT No A2[illegible] 191

DATE: April 27, 1979

BONDAR-CLEGG & COMPANY LTD.

1027 - 470 Granville Street
Vancouver, B.C. V6C 1V5

CERTIFICATE OF ASSAY

Samples submitted: April 25, 1979
Results completed: April 27, 1979

I hereby certify that the following are the results of assays made by us upon the herein described ore samples.

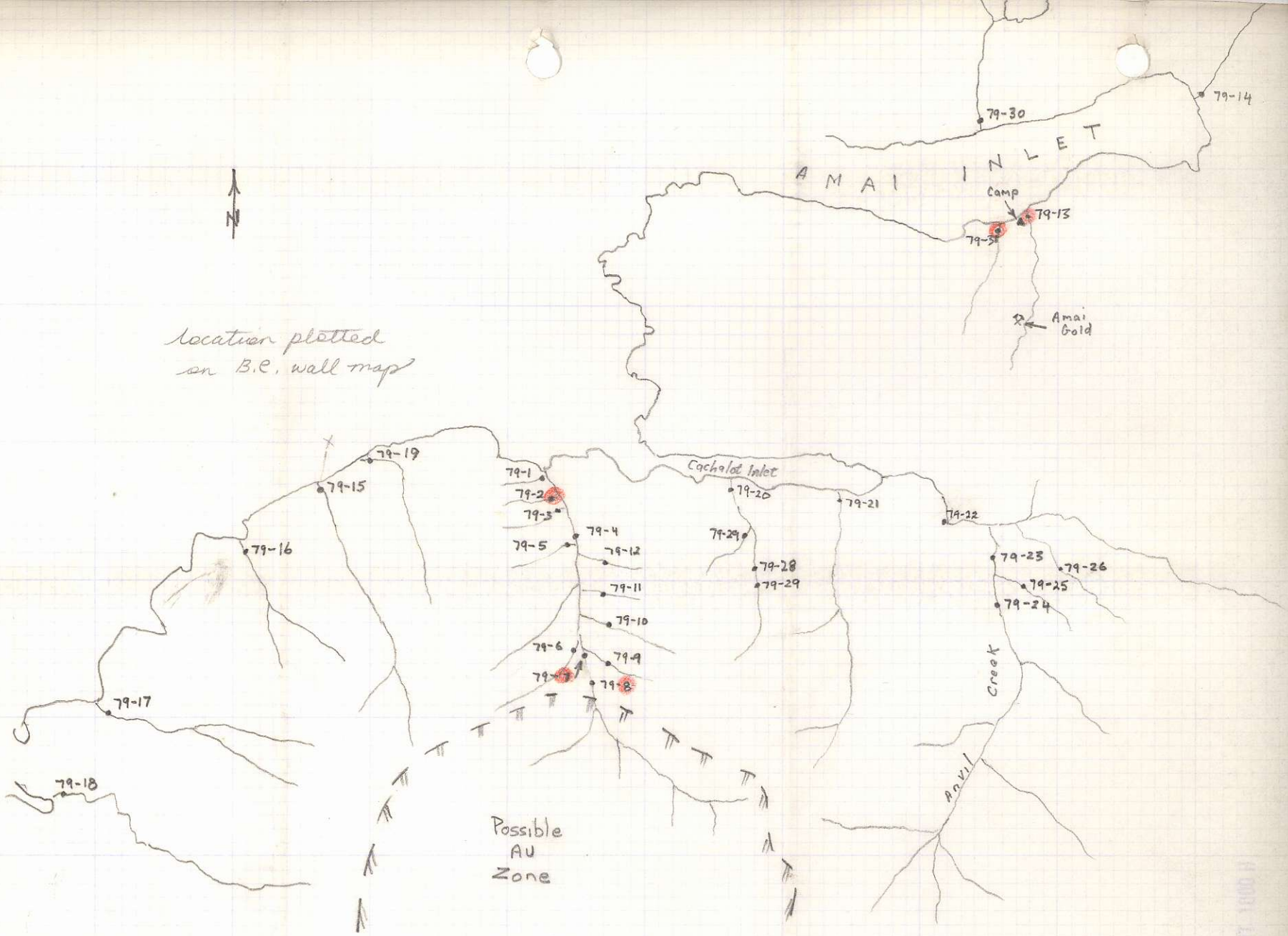
MARKED	GOLD		SILVER								TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
79 - 20	<0.002		0.92								
28	<0.002		0.57								

B. Hoxmo

Registered Assayer, Province of British Columbi

79-1
to 79-

location plotted
on B.C. wall map



Esp		P.P.M
	79-15	16.7
	79-7	35
	79-8	95
	79-2	30
	79-13	2340
	79-31	140

Vancouver Island
Map sheet 92E/14
92L/3

Esperanza Explorations Ltd.
Esp. Au Silt Sampling April 10 to 23, 1979
D. Heino, G. Guild

Scale 1:50,000

Esperanza Exploration Ltd.

Esp silt samples

x¹ D. Murphy Au showing

x² A. Thompson " "

x³ pyrite showing

location plotted on BC wall map

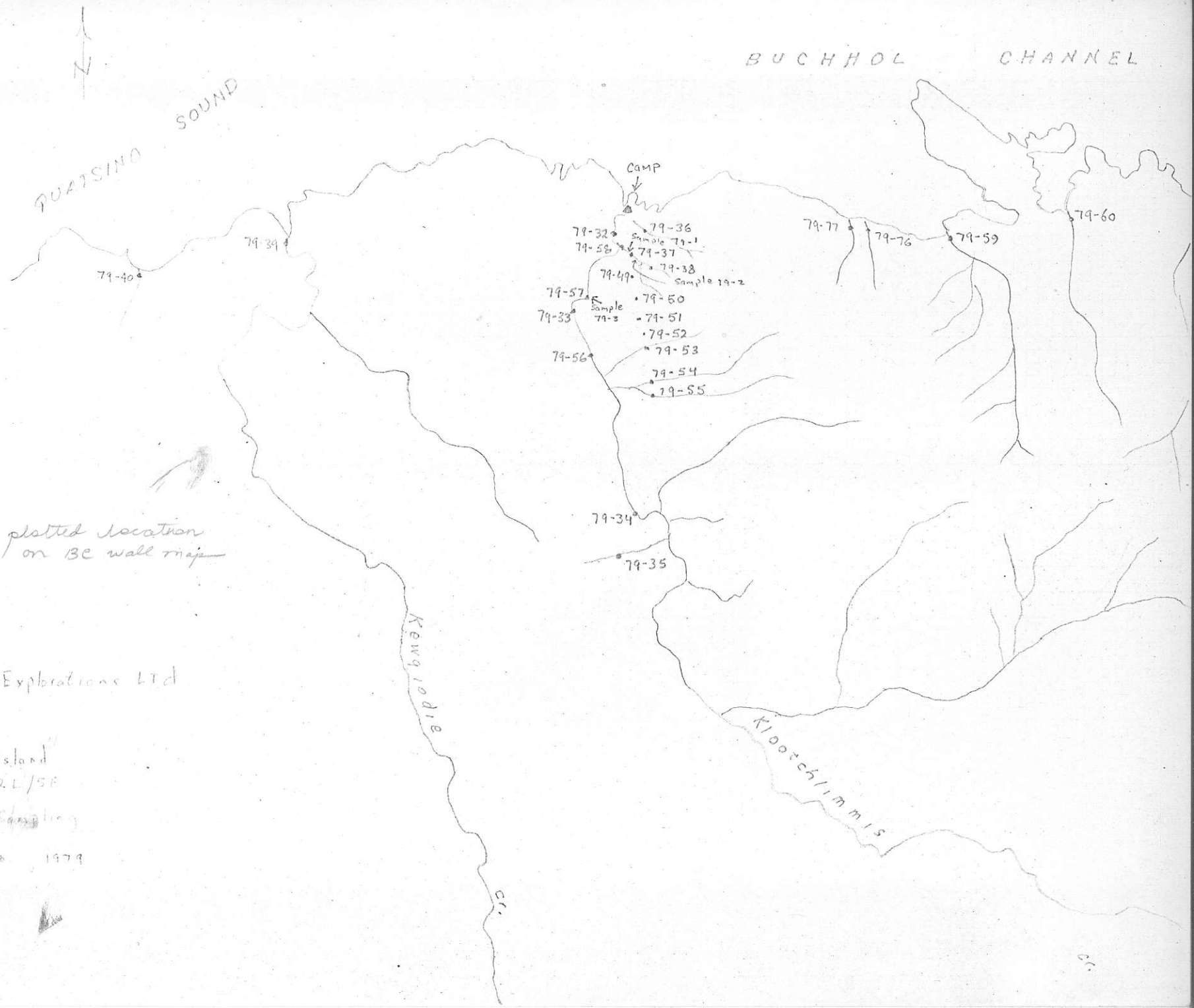
	Au P.P.B
Esp 79-15	16.7
79-7	35
79-8	95
79-2	30
79-13	2340
79-31	140

Vancouver Island
Map sheet 92E/14
92L/3

Esperanza Explorations Ltd.
Esp. Au Silt Sampling April 10 to 23, 1979
D. Heino, G. Guild

Esperanza Explorations LTd.

Vancouver Island
Map M 92L/5E
Silt Sampling
D. Heino 1979


N
BUCHHOL CHANNEL
QUATSINO SOUND
CAMP
79-32
79-36
Sample 79-1
79-58
79-37
79-38
Sample 79-2
79-49
79-57
79-50
Sample 79-3
79-33
79-51
79-52
79-53
79-56
79-54
79-55
79-39
79-40
79-77
79-76
79-59
79-60
79-34
79-35
Kowgodie Cr.
Kloochimmis Cr.
plotted location on BC wall map
Esperanza Explorations Ltd
Vancouver Island
Map M 92L/5E
Silt Sampling
D. Heinz 1979

Esperanza Explorations Ltd.

Vancouver Island

Map 92L/5W

Esp Silt Sampling

D. Heino 1979

location plotted on
BC wall map

PRINTED ON CLEARPRINT 1000 H

Esperanza Explorations Ltd.

Vancouver Island

Map 92L/5W

Esp Silt Sampling

D. Heino 1979

location plotted
on BC wall map

location plotted on BC wall map

Esperanza Explorations Ltd

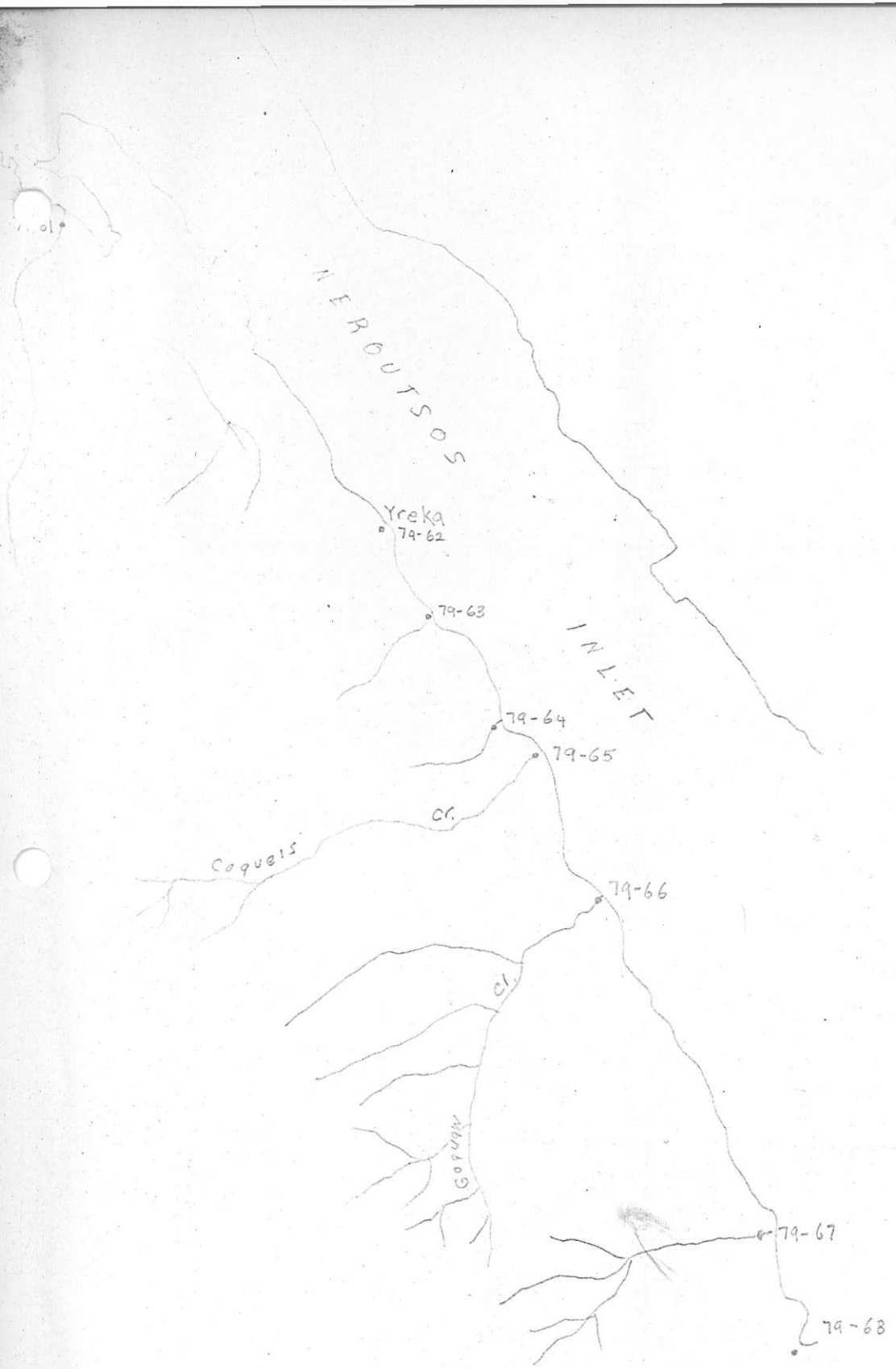
Vancouver Island

Map M 92L/SE

Esp Silt Sampling

D. Heino 1979

PRINTED ON CLEARPRINT 1000 H



location plotted on BC wall map

Esperanza Explorations Ltd.

Vancouver Island

Map M 92L/5E

Esp Silt Sampling

D. Heino 1979

Esperanza Explorations Ltd.

Vancouver Island
Map M 92 L/12E

Silt Sampling
D. Heino 1979

plotted location
on BC wall map

PRINTED ON CLEARPRINT 1000 H

Esperanza Explorations Ltd.

Vancouver Island

Map M92L/12E

Silt Sampling

D. Heino 1979

location plotted on BC wall map

Esperanza Explorations
1027 - 470 Granville St
Vancouver.

All silt to be run for

Gold & silts

79-32		56	neg
33		57	neg
34		57A 58	neg
35		59	pos
36	neg	60	pos
37	pos	61	pos
38	pos	62	pos
39		63	
40		64	
41		65	
42		66	
43		67	
44		68	
45		69	
46		70	
47		71	
48		72	
49	neg	73	
50	neg	74	
51	neg	75	
52		76	
53		77	
54			
55			

79-32	79-51	79-59
-33	-52	-60
-34	-53	-61
-36	-54	-62
-37	-55	-63
-38	-56	-64
-49	-57	-65
-50	-58	-66
		-67
		-68

to be run for zinc

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47137

INVOICE NO. 30128

RECEIVED May 8/79

ANALYSED May 10/79

TO: Esperanza Explorations
1027 - 470 Granville
Vancouver, B. C.

ATTN:

SAMPLE NO. :	PPM Zn	PPB Au
79 32	96	< 10
33	86	< 10
34	90	< 10
35	58	< 10
36	124	< 10
37	290	< 10
38	300	< 10
39		< 10
40		< 10
41		< 10
42		< 10
43		< 10
44		< 10
45		< 10
46		< 10
47		< 10
48		< 10
49	88	< 10
50	68	< 10
51	54	< 10
52	54	< 10
53	56	< 10
54	62	< 10
55	78	< 10
56	86	< 10
57	58	< 10
57 A	74	360
58	245	< 10
59	118	< 10
60	104	< 10
61	106	10
62	470	60
63	108	< 10
64	90	< 10
65	154	< 10
66	100	< 10
67	102	< 10
68	132	< 10
69		< 10
70		< 10
79 71		< 10

Demo
Det
Vanc. Is.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47138

INVOICE NO. 30128

RECEIVED May 8/79

ANALYSED May 10/79

TO: Esperanza Explorations
1027 - 470 Granville
Vancouver, B. C.

ATTN:

SAMPLE NO. :	PPB Gold
79 72	< 10
73	< 10
74	< 10
75	< 10
76	< 10
79 77	< 10

Demo
Oct Vm 1s

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

SAMPLES FOR ASSAY

rocks.

Sample Number	Claim or Showing	Type (width)	Sampler Date	COMMENTS	Date Sent	Assay Results				
						%Zn	~~%Pb~~	oz. Ag	Au	
7909	1-79	grab	D. Heino	- py - fg - dissem in lst						
10	2-79	"	"	" " " "						
11	3-79	"	"	fg py - in pale green vole						
12	3-79A	"	"	" " " " " " less finer pyrite						

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ASSAY

CERTIFICATE NO. 65208

INVOICE NO. 30127

RECEIVED May 8/79

ANALYSED May 10/79

TO: Esperanza Explorations
1027 - 470 Granville
Vancouver, B. C.

ATTN:

SAMPLE NO. :	% Zinc	Oz/Ton Silver	Oz/Ton Gold
7909	< 0.01	0.01	0.005
7910	< 0.01	0.02	0.003
7911	< 0.01	0.01	< 0.003
7912	< 0.01	< 0.01	< 0.003

Heino
Oet Van 1s.

B. Twaites

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

CTA MEMBER CANADIAN TESTING ASSOCIATION

MAY 1-15

79-62 - 121

NAHWITTI LK - 79-122
- 142
- 144

note #136- NAHWITTI RIVER

Esperanza Exploration Ltd.

May 1 to May 15/79

Ingersol River Vancouver Island

Silt sampling was done on creeks in Nerovtsos Inlet, Quatsino Sound, Koskimo showing, Ingersol River and Ingersol showing.

Koskimo showing was apparently drilled by Kennco at a contact of limestone and volcanics. Mineralization consisted of pyrite and a little sphalerite in the volcanics, no mineralization in the limestones except a little barite near the contact of the volcanics. All drill core was sparsely mineralized with pyrite.

Ingersol River showing was a contact showing, limestone & volcanics, Mineral consisted of pyrite in a siliceous zone along the contact. This showing pinched and swelled along its length approx 30' at the west end 200' at the east end. Grab samples were taken at various intervals along this zone. The assays were nil in both gold and silver. This zone was drilled by some company but the core was not found.

Also the tunnel on this property was not found which was reported to have gold in with the magnetite.

Koskimo & Ingersol pyrite showing are of no farther interest, with the possible exception of the magnetite showing

Yours truly,

[illegible]

Esperanza Exploration Ltd. May 16 to May 17

Nahwitti Lake Vancouver Island

Tributaries of Kains cr. and Nahwitti River were silt sampled for gold and zinc 79-122 to 79-144

Chip sample (Nahwitti #1) of massive sulfides was taken on Rain group over a width of 15', total length 10'. Mineralization consists of pyrrhotite, pyrite sphalerite & chalcopyrite in a unaltered limestone.

Two other chip samples (Nahwitt #1 & 2) were taken over a 20' width on a limestone belt south of the rain group. Which consisted of a replacement of pyrite and very little sphalerite. A small amount of gold was panned from this limestone belt. This showing will not be of any interest if the assays do not give any gold.

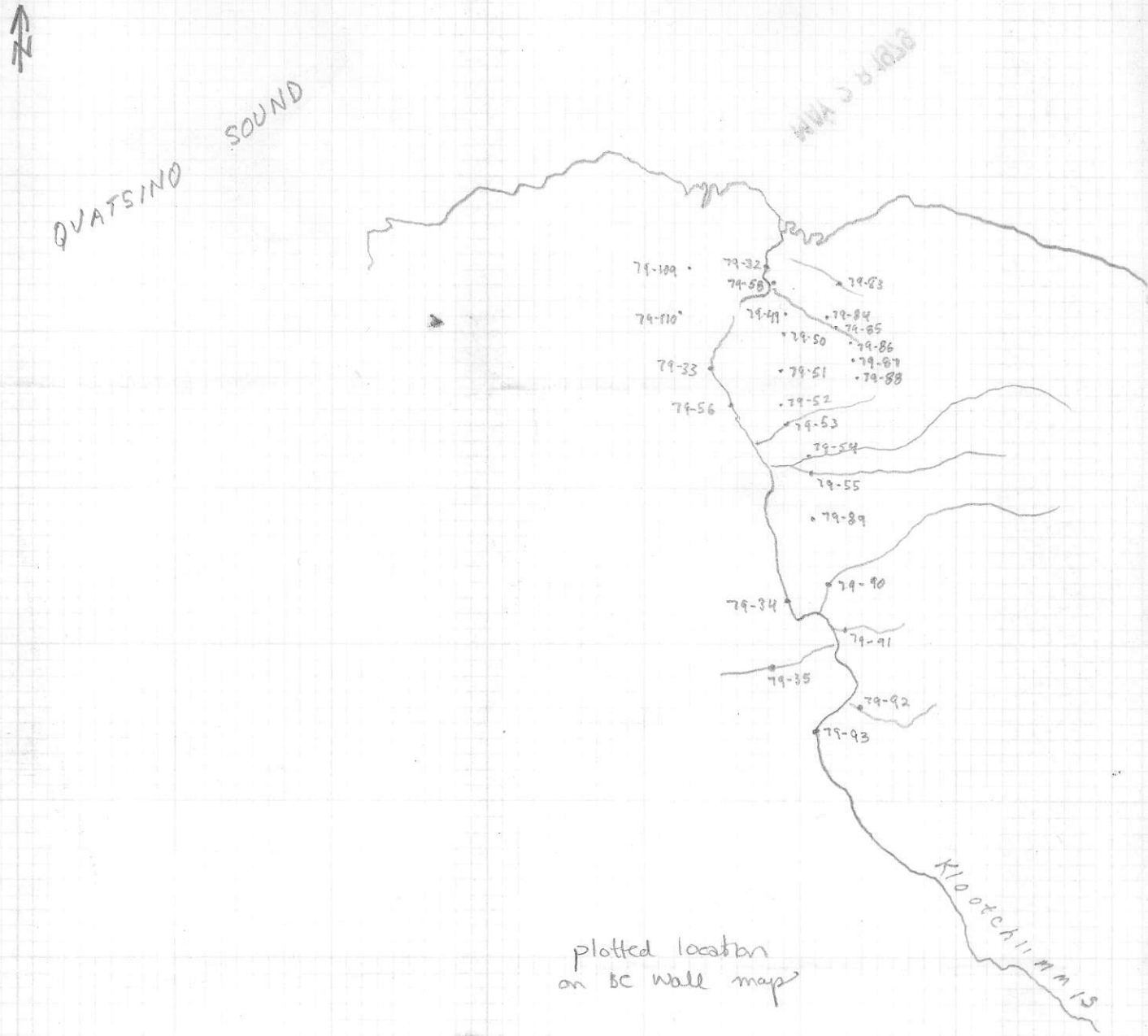
Yours truly
[illegible]

Heino Samples

rock geochem by Chemex Labs

Nahwitti Lake

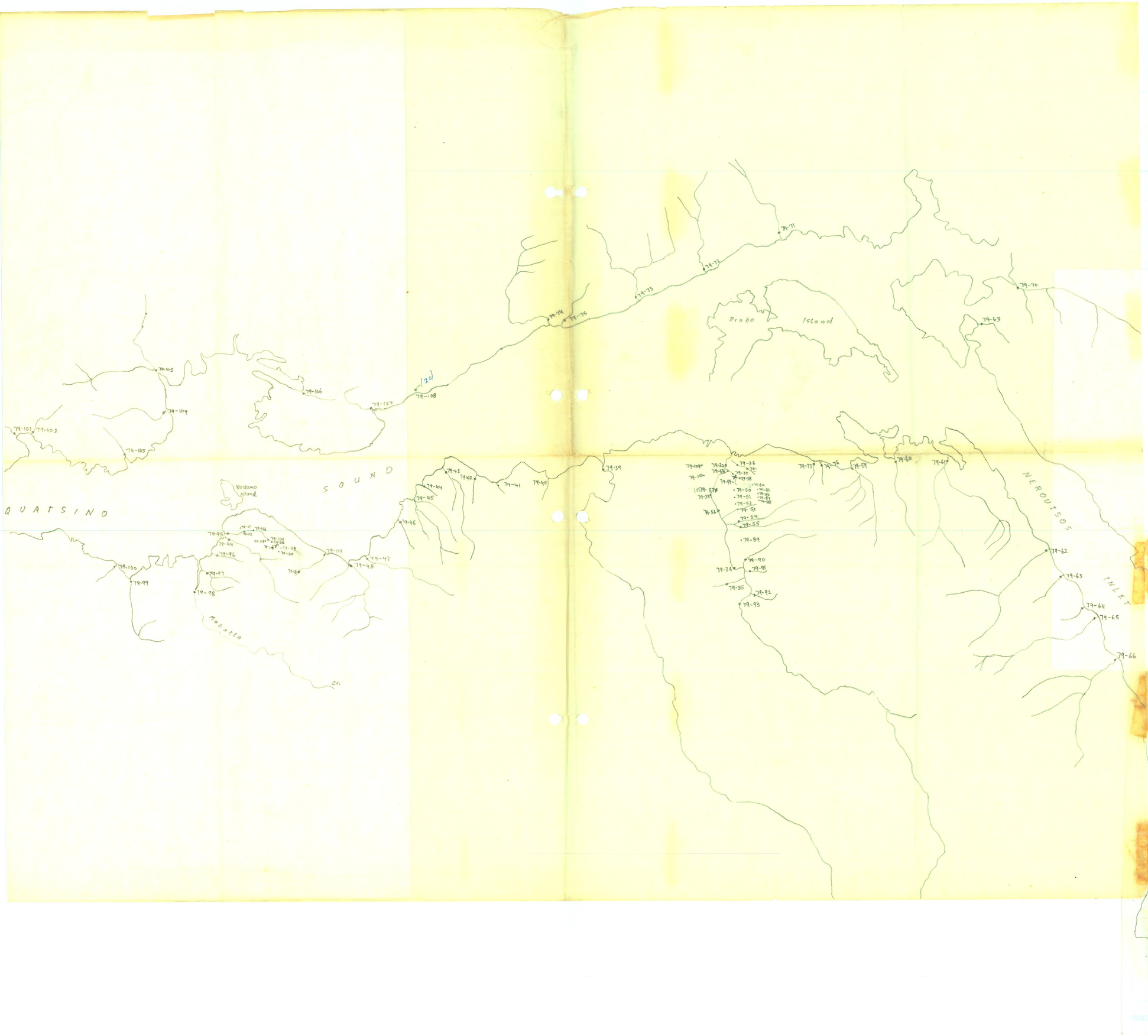
N.L. #1	Au, Ag, Zn.	15' massive su's.
N.L #2	Au, Ag, Zn	fg bl lst - pyritic.
N.L #3.	Au, Ag, Zn	disempy in ~~[illegible]~~ chert ~~[illegible]~~ ?? ~~[illegible]~~ ?



Silt Samples.

HEINO.

PRINTED ON CLEARPRINT 1000 H



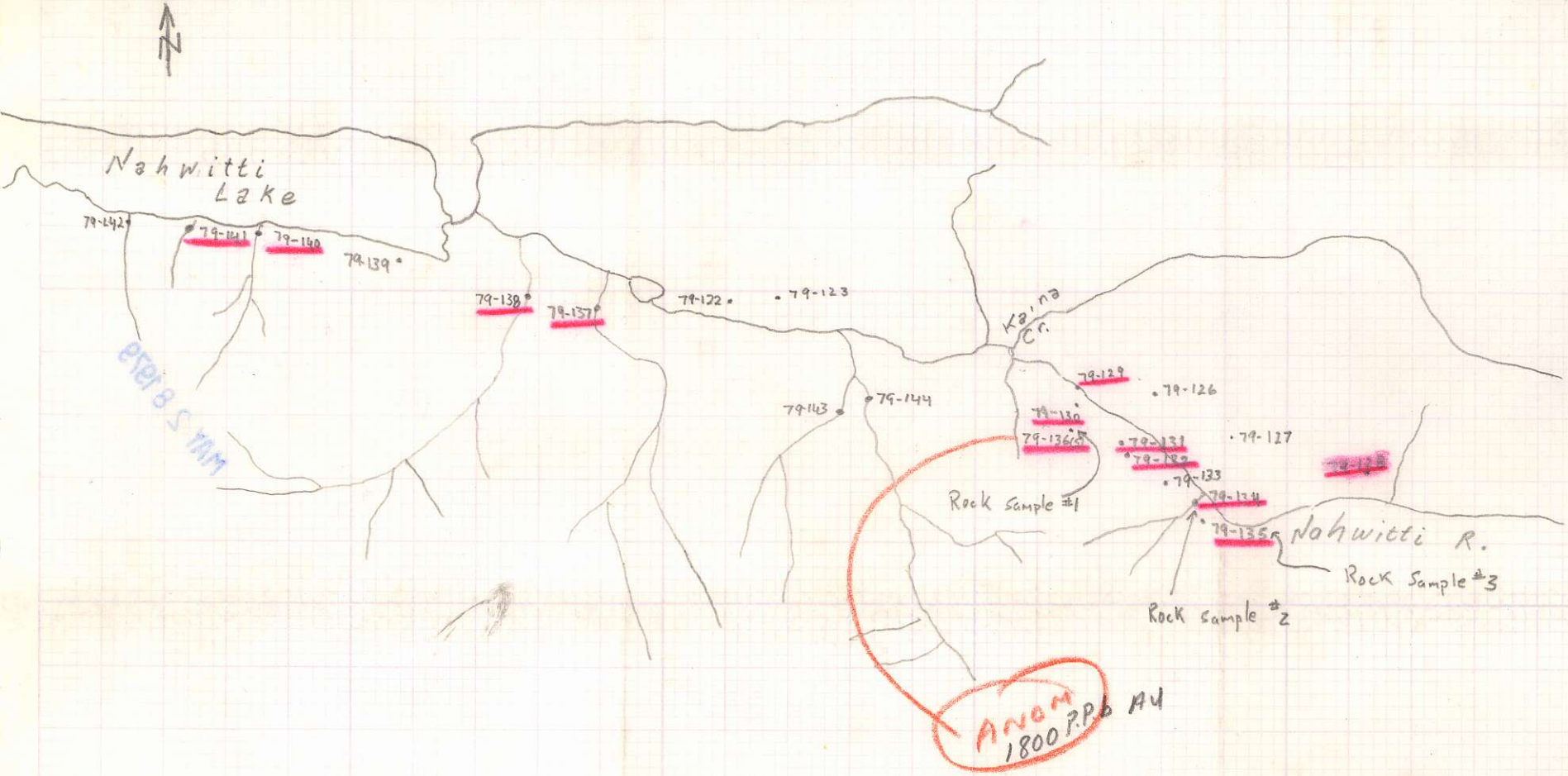
Esperanza Exploration Ltd
Esp silt samples
R.S. Rock samples
x Koskino zn showing
x Ingersol pyrite showing
D. Heino 1979

plotted location on 8" wall map

inches
0 1 2
0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

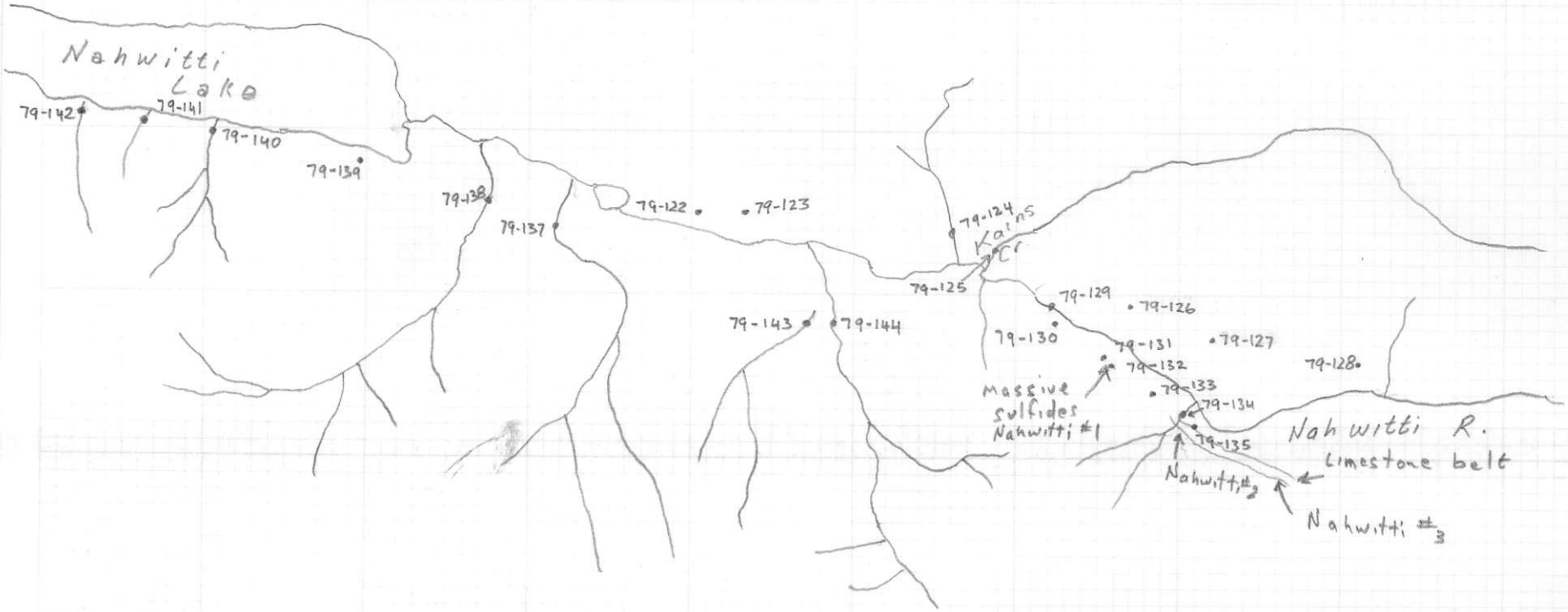
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.



Silt + Rock samples

red indicates zn positive

HEINO.



Esperanza Exploration Ltd.
Esp silt samples
R.S ; Rock samples

D. Heino 1979

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 9[redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47189

INVOICE NO. 39263

RECEIVED May 22/79

ANALYSED May 25/79

TO: Esperanza Explorations
1027 - 470 Granville Street
Vancouver, B.C.
V6C 1V5

ATTN:

SAMPLE NO. :	PPM Zn	PPB Au
ESP - 79 - 78		< 10
79		< 10
80		< 10
81		< 10
82		< 10
83		< 10
84		< 10
85		< 10
86		< 10
87		< 10
88		< 10
89		< 10
90		< 10
91		< 10
92		< 10
93		10
94	180	< 10
95	430	< 10
96	200	< 10
97	94	< 10
98	100	< 10
99		< 10
100		< 10
101		< 10
102		10
103		< 10
104		10
105		< 10
106		< 10
107		< 10
108		20
109		< 10
110		< 10
111	200	< 10
112	680	< 10
113	645	10
114	630	20
115	555	< 10
116	1800	< 10
ESP - 79 - 117	2300	< 10

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47190
INVOICE NO. 30263
RECEIVED May 22/79
ANALYSED May 25/79

TO: Esperanza Explorations
1027 - 470 Granville Street
Vancouver, B.C.
V6C 1V5

ATTN:

SAMPLE NO. :	PPM Zn	PPB Au
ESP - 79 - 118	2550	< 10
119	168	20
120	176	< 10
121	118	< 10
122	118	10
123	82	20
124	64	< 10
125	230	Not sufficient sample
126	305	< 10
127	116	< 10
128	455	10
129	310	20
130	445	< 10
131	560	< 10
132	102	< 10
133	310	< 10
134	390	20
135	345	< 10
136	1750	1800
137	205	< 10
138	142	10
139	80	< 10
140	158	20
141	280	40
142	305	< 10
143	60	< 10
ESP - 79 - 144	72	< 10

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47191
INVOICE NO. 30263
RECEIVED May 22/79
ANALYSED May 25/79

TO: Esperanza Explorations
1027 - 470 Granville Street
Vancouver, B.C.
V6C 1V5

ATTN:

ROCKS

SAMPLE NO. :	PPM Zn	PPM Ag	PPB Au
NL #1	> 4000	2.4	20
NL #2	210	0.1	< 10
NL #3	98	0.1	< 10

Note: Silver values below detection limit of 0.2 ppm reported as 0.1 ppm.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

MAY 18 - 23.

Zaballos

79 - 145

92E-15W. 79 - 146 - 197 - 215

- 164 - 168

no anomalies?

Esperanza Exploration Ltd

May 18 to May 23/79

Zeballos Silt sampling Vancouver Island

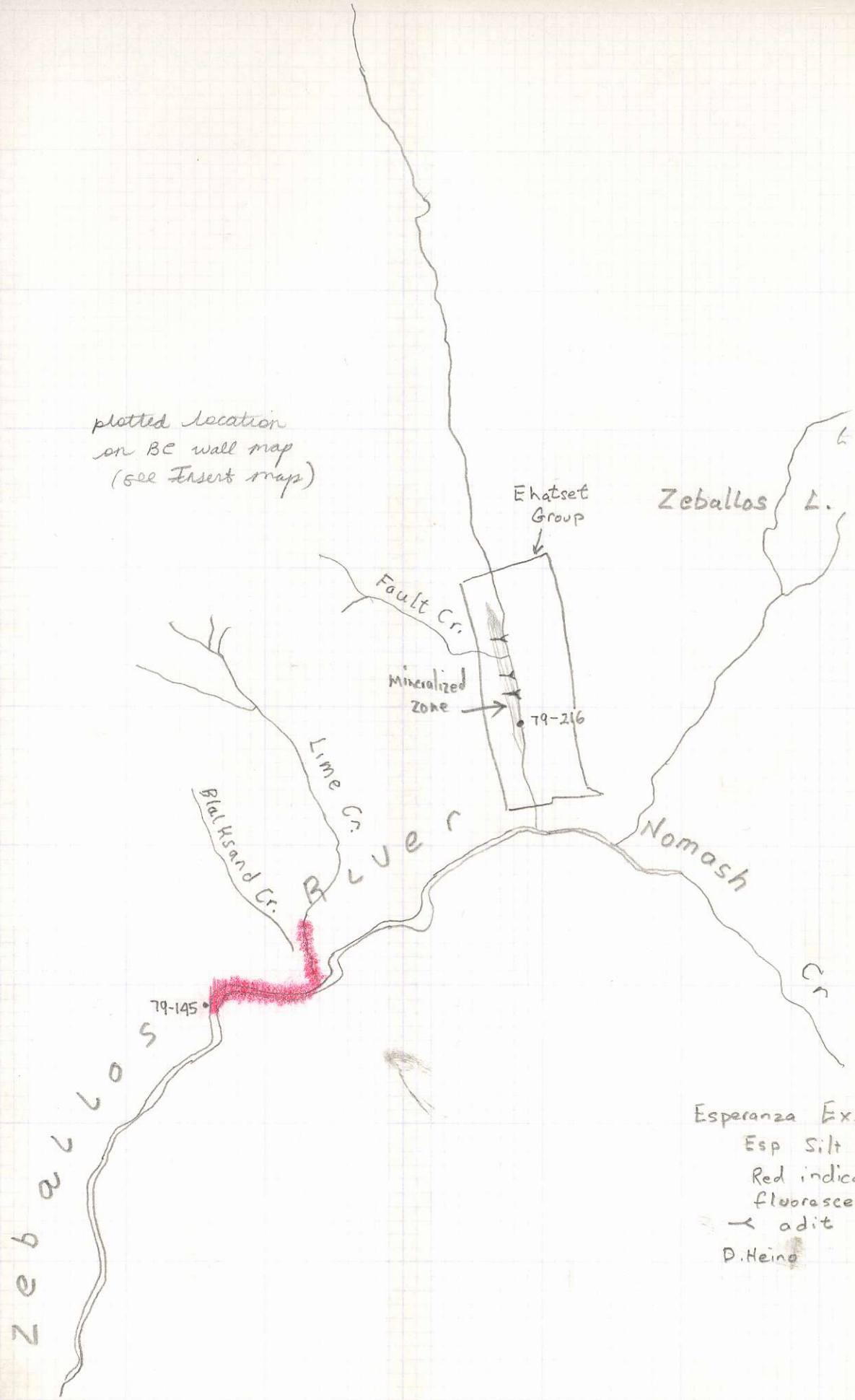
Silt sampling & creek recon was done on all creeks from Zeballos to Tahsis hence to Hisnit Inlet then to Espinosa and Elisa Inlets then back to Zeballos. Pyrite float was found in the following creeks; Esp 79-159, 79-160, 79-162, 79-165, 79-177, 79-183, 79-191, 79-192, 79-194, 79-196, 79-200, 79-207, pyrite float Esp 79-159 was the best mineralized. Camp set ups were on Hisnit Inlet, Espinosa Inlet & Zeballos River camp site.

While camped at Zeballos River camp site, a fluorescence yellow green mineral was found in Zeballos River and traced to Lime Cr. which is a tributary, its source will not be traced until the mineral is identified.

Also the Thatset Group was look at on the North Fork while trying to trace the fluorescence mineral. Mineralization consists of stringers & blebs of disseminated pyrite, chalcopyrite in a altered limestone on the West side of the creek. The rock exposure is very poor to the south end of the group because of the road cuts. The 3 tunnel found were not inspected because of the lack of lights. This is a interesting property if there are any gold values, it would need

much chip sampling over its entire length to prove this. Gold pannings in this cr. were nil.

Yours truly
D. 18 50



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NORTH VANCOUVER, B.C.
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TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47222

INVOICE NO. 30338

RECEIVED May 24/79

ANALYSED May 30/79

TO: Esperanza Explorations
1027 - 470 Granville Street
Vancouver, B.C.
V6C 1V5

ATTN:

ESP. HEINO

SAMPLE NO. :	PPB Au
ESP 79 - 145	< 10
146	< 10
147	< 10
148	< 10
149	< 10
150	< 10
151	< 10
152	< 10
153	< 10
154	< 10
155	10
156	< 10
157	< 10
158	< 10
159	< 10
160	< 10
161	< 10
162	< 10
163	< 10
164	< 10
165	< 10
166	< 10
167	< 10
168	< 10
169	< 10
170	< 10
171	< 10
172	< 10
173	< 10
174	< 10
175	< 10
176	< 10
177	< 10
178	< 10
179	< 10
180	< 10
181	< 10
182	< 10
183	< 10
ESP 79 - 184	< 10

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47223
INVOICE NO. 30338
RECEIVED May 24/79
ANALYSED May 30/79

TO: Esperanza Explorations
1027 - 470 Granville
Vancouver, B.C.
V6C 1V5
ATTN:

SAMPLE NO. :	PPB Au
ESP 79 - 184	< 10
186	< 10
187	< 10
188	< 10
189	< 10
190	< 10
191	< 10
192	< 10
193	< 10
194	< 10
195	< 10
196	< 10
197	< 10
198	< 10
199	< 10
200	< 10
201	< 10
202	< 10
203	< 10
204	< 10
205	< 10
206	< 10
207	< 10
208	< 10
209	< 10
210	< 10
211	< 10
212	< 10
213	< 10
214	< 10
ESP 79 - 215	< 10

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47224

INVOICE NO. 30338

RECEIVED May 24/79

ANALYSED May 30/79

TO: Esperanza Explorations
1027 - 470 Granville
Vancouver, B.C.
V6C 1V5

ATTN:

ROCK

SAMPLE NO. :	PPM U	PPB Au
653	1.5	< 10

CTA
MEMBER
CANADIAN TESTING
ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. SP 0869
INVOICE NO. 30355
RECEIVED May 24/79
ANALYSED May 31/79

TO: Esperanza Explorations
1027 - 470 Granville St.,
Vancouver, B.C.
V6C 1V5
ATTN:

cc/HEMWO.

SAMPLE NO. :	Lower Concentration Limit (PPM)	653
Antimony	50	bcl
Arsenic	50	bcl
Barium	5	15
Beryllium	5	bcl
Bismuth	5	bcl
Boron	20	bcl
Cadmium	20	bcl
Calcium	0.05%	> 20%
Chromium	10	bcl
Cobalt	10	bcl
Copper	1	1
Gallium	2	bcl
Germanium	20	bcl
Indium	50	bcl
Iron	0.05%	0.07%
Lead	5	bcl
Magnesium	0.02%	5%
Manganese	5	700
Molybdenum	10	bcl
Nickel	5	bcl
Niobium	50	bcl
Silver	1	bcl
Strontium	2	700
Tellurium	200	bcl
Thorium	100	< 200
Tin	10	bcl
Titanium	5	bcl
Vanadium	10	50
Zinc	50	bcl
Zirconium	20	bcl

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSES

>5000 ppm => 5000 ppm	50 ppm	= 25–100 ppm
5000 ppm = 2500–10000 ppm	20 ppm	= 10–50 ppm
2000 ppm = 1000–4000 ppm	10 ppm	= 5–20 ppm
1000 ppm = 500–2000 ppm	5 ppm	= 2–10 ppm
500 ppm = 250–1000 ppm	2 ppm	= 1–4 ppm
200 ppm = 100–400 ppm	1 ppm	= 0.5–2 ppm
100 ppm = 50–200 ppm	bcl	= below concentration limit

Ranges for Iron, Calcium & Magnesium are reported in %

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

MAY 24 - JUNE 1

217 - 274

Esperanza Exploration Ltd. 1st CAMP. May 24 to June 1/79

2nd CAMP - JUNE 12th

Amos Cr. Brooks. Peninsula Vancouver Is

Location

Camp was set up approximately 2 miles north from the mouth of Amos cr. plus one fly camp 1 3/4 miles up the West forks.

Work done

The main reason for this camp was to investigate a gold placer deposit on Amos cr. Owing to the limited amount of time we had in this area work consisted of silt sampling the main creek and tributaries numbers Esp 79-217 to 79-276. Trace panning the gold. Gold was traced from a little below camp (Esp 79-228) to higher up on the west fork Esp 79-267, which from this point on not enough time was available to us. The gold on the lower part of the creek is coarser than that of the upper creek, but seems to be of the same composition under a 30 power microscope. Rock geochem consisted of chip sampling various outcroppings in the creek bed to determine which zone if any hold any gold values.

Geology

Rock types in this area are very complex, and not to much is known about them, more time would have to be spent in this area. Mostly they

are of a volcanic origin, basalt, rhyolite, breccia, felsite, andesite, gneiss, amphibolite, serpentine all of which are greatly disturbed by faults and facturing. The rhyolite seems to be the youngest group mainly because it has cut through all rock types. Mineralization consists of pyrite (in volcanics) of pyrrhotite (in gneiss) chalcopyrite, bornite (in volcanics) chromite (in serpentine) mineralization is very erratic because of the faults, fracturing and breccia nature of the rock and doesn't localize. It is possible that this a volcanic pipe or a collapsed cone. Alteration of the rocks (Kaolin?) give the appearance of limestone from the air because it is pitted + pot-marked with holes. Alteration minerals consist of Kaolin and or (alunite?) plus some small crystals of pyrope were found 3¼' miles west of camp done by chopper recon. It is also interesting to note that the north and west ridges are barren of vegetation, which is very unusual for Vancouver Island and the north ridge is 2000' to 2500' above sea level while the west ridge is only 1500' to 1900' above sea level. One other observation was that in the valleys and low lands were thinly populated with tree

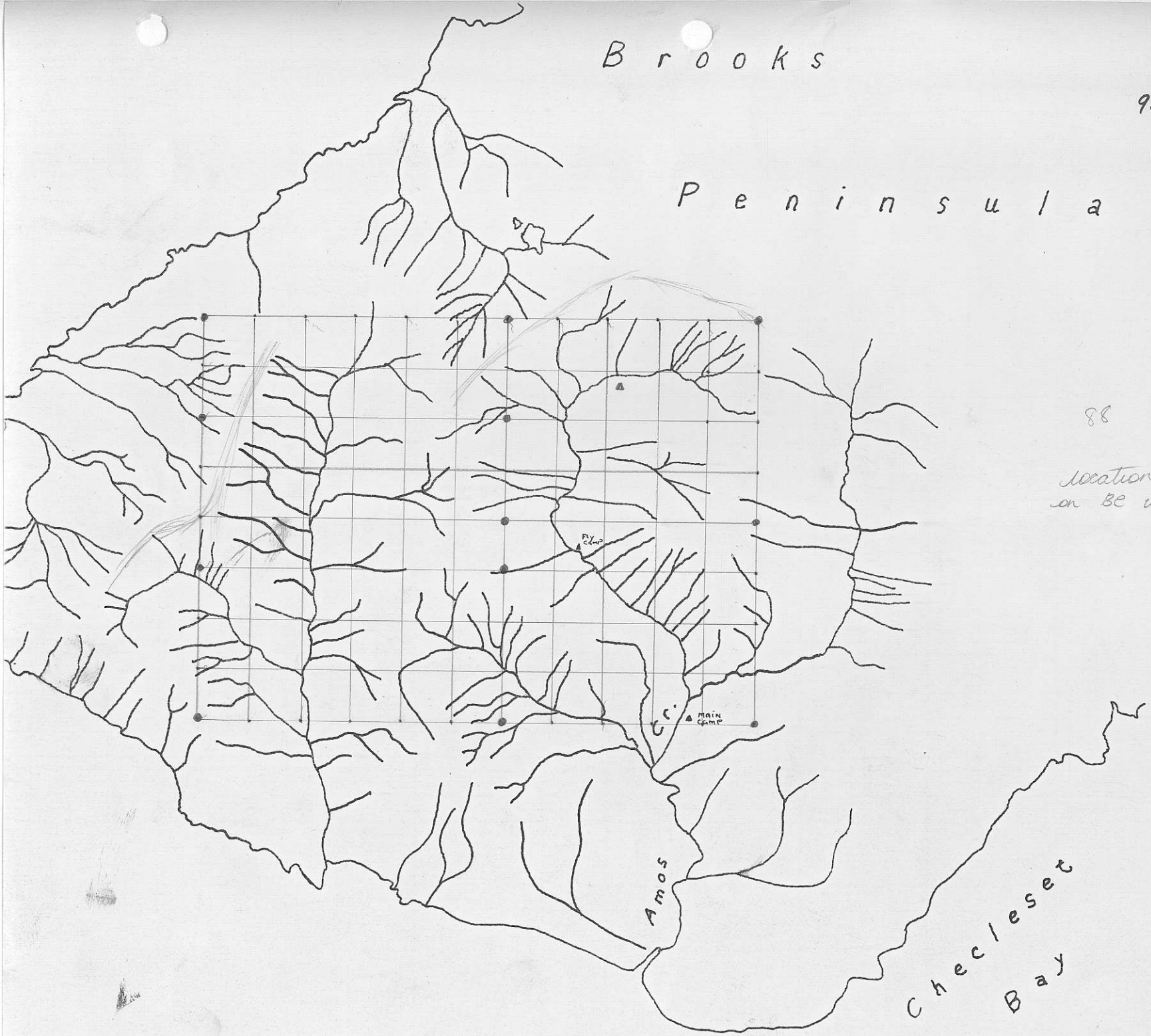
because of the alteration effect.

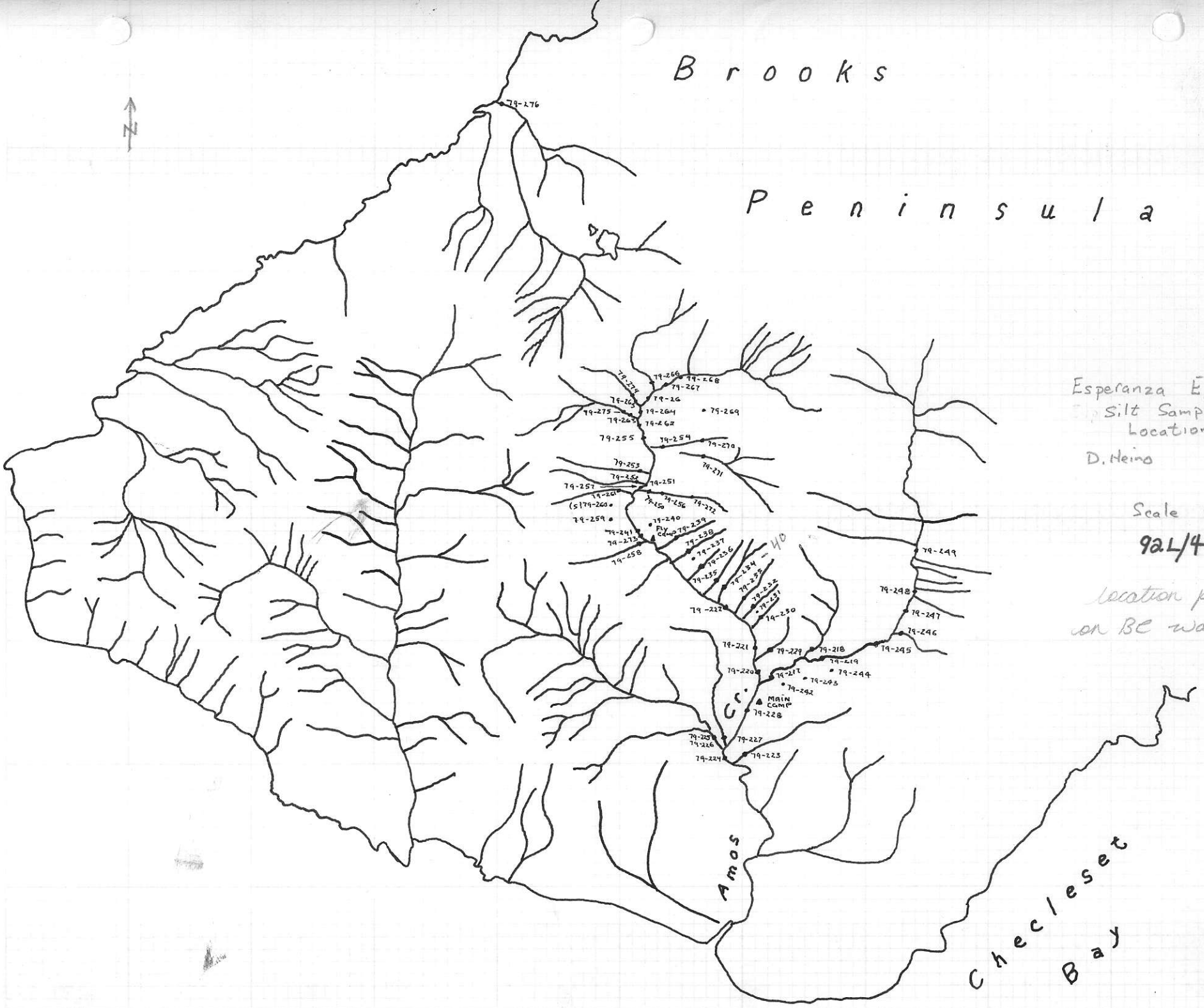
Conclusion

This area is very interesting and has good possibilities for mineral deposits, in areas north & west of camp. This area would have to be looked at very closely, which would be a very slow & tidious process.

Yours truly

[illegible] 1/5/80


Brooks
Peninsula
924/4
88
location plotted on BC wall map
Fly Camp
Main Camp
Amos
Chechleset
Bay



Esperanza Exploration Ltd
Silt Sampling
Locations
D. Heino
1979

Scale 1:50,000

92L/4

location plotted on BC wall map

92L/4

Esperanza Explorations
Gold Pannings
D. Heino 1979
Scale 1:50,000

location plotted
on BC wall maps

location plotted on BC wall map

92L/4

Esperanza Explorations Ltd.
Rock Geochemical
Locations

D. Heino 1979

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

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• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47383
INVOICE NO. 30424
RECEIVED June 5/79
ANALYSED June 6/ 79

TO: Esperanza Explorations
1027 - 470 Granville St.
Vancouver, B.C.
V6C 1V5

ATTN: J. Brock

ROCKS

SAMPLE NO. :	PPB Au
654M	< 10
656M	< 10
657M	< 10
658M	< 10
659M	< 10
660M	< 10
#1	< 10
1A	< 10
2	10
3	< 10
3a	< 10
4	< 10
4a	< 10
5 calcite	< 10
655m. calcite vein	< 10
159	< 10
79-159	< 10
79-160	< 10
79-162	< 10
79-162A	< 10
79-162B	< 10
79-165	< 10
79-177	< 10
79-191	< 10
192	< 10
194	< 10
79-196	< 10
79-200	< 10
79-207 large	< 10
79-207 small	< 10

MEARES Is.

BROOKS ?

MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47384
INVOICE NO. 30424
RECEIVED June 5/79
ANALYSED June 6/79

TO: Esperanza Explorations
1027 - 470 Granville St.
Vancouver, B.C.
V6C 1V5
ATTN: J. Brock

SAMPLE NO. :	PPB Au
79 - 216	< 10
217	< 10
218	< 10
219	< 10
220	< 10
221	< 10
222	< 10
223	< 10
224	< 10
225	< 10
226	< 10
227	< 10
228	< 10
229	< 10
230	< 10
231	< 10
232	< 10
233	< 10
234	40
235	< 10
236	< 10
237	< 10
238	< 10
239	< 10
240	< 10
241	< 10
242	< 10
243	< 10
244	< 10
245A	< 10
245B	< 10
246	< 10
247	< 10
248	< 10
249	< 10
250	< 10
251	< 10
252	< 10
253	< 10
79 - 254	< 10

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47385

INVOICE NO. 30424

RECEIVED June 5/79

ANALYSED June 6/79

TO: Esperanza Explorations
1027 - 470 Granville
Vancouver, B.C.
V6C 1V5

ATTN: J. Brock

SAMPLE NO. :	PPB Au
79 - 255	< 10
256	< 10
257	< 10
258	< 10
259	< 10
260	< 10
262A	< 10
~~262B~~ 261.	140
263	< 10
264	< 10
265	< 10
266	< 10
267	< 10
268	< 10
269	< 10
270	< 10
271	< 10
272	< 10
273	< 10
274	< 10
275	< 10
79 -276	< 10

BROOKS. 1 [illegible]

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47548
INVOICE NO. 30551
RECEIVED June 12/79
ANALYSED June 15/79

TO: Esperanza Explorations
1027 - 470 Granville Street
Vancouver, B.C.
V6C 1V5

ATTN:

SAMPLE NO. :	PPM Cu	PPM Mo
79 - 216	186	1
217	58	1
218	72	1
219	54	1
220	74	1
221	92	1
222	84	1
223	Not sufficient sample	
224	66	2
225	74	2
226	96	1
227	54	1
228	66	2
229	72	1
230	122	2
231	96	1
232	80	2
233	88	2
234	76	3
235	82	2
236	100	1
237	184	2
238	Not sufficient sample	
239	106	1
240	88	1
241	122	1
242	44	1
243	36	1
244	34	1
245A	34	1
245B	48	1
246	76	1
247	58	1
248	52	1
249	36	1
250	48	1
251	Not sufficient sample	
252	82	1
253	82	1
79 - 254	58	1

Original cert. #47384

Heino - Brooks

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47549
INVOICE NO. 30551
RECEIVED June 12/79
ANALYSED June 15/79

TO: Esperanza Explorations
1027 - 470 Granville Street
Vancouver, B.C.
V6C 1V5

ATTN:

SAMPLE NO. :	PPM Cu	PPM Mo	Original Certificates
79 - 255	74	1	#47385
256	34	1	
257	76	1	
258	48	1	
259	104	1	
260	88	1	
262A	82	2	
262B	64	1	
263	102	2	
264	72	1	
265	104	3	
266	76	2	
267	64	1	
268	46	1	Hesse Brooks
269	40	2	
270	Not sufficient sample		
271	64	1	
272	52	1	
273	72	2	
274	110	1	
275	106	1	
79 - 276	76	1	
654 M	300	1	47383
656M	66	1	
657M	42	1	
658M	14	2	
659M	10	1	
660M	84	1	
#1	30	1	
1A	54	1	
2	76	2	
3	128	1	
3a	54	2	
4	116	1	
4a	186	2	
5 calcite	26	1	
655M calcite vein	40	3	

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

CHEMEX LABS LTD.

.12 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47542
INVOICE NO. 30550
RECEIVED June 11/79
ANALYSED June 15/79

TO: Esperanza Explorations
1027 - 470 Granville St.
Vancouver, B.C.
V6C 1V5

ATTN:

ROCKS

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Ag	PPB Au
661M	28	4	0.1	< 10
662M	16	3	0.1	< 10
663M	10	3	0.1	< 10
664M	68	1	0.1	< 10
665M	142	3	0.1	< 10

Note: Silver values below detection limit of 0.2 ppm reported as 0.1 ppm.

Hence - Brooks

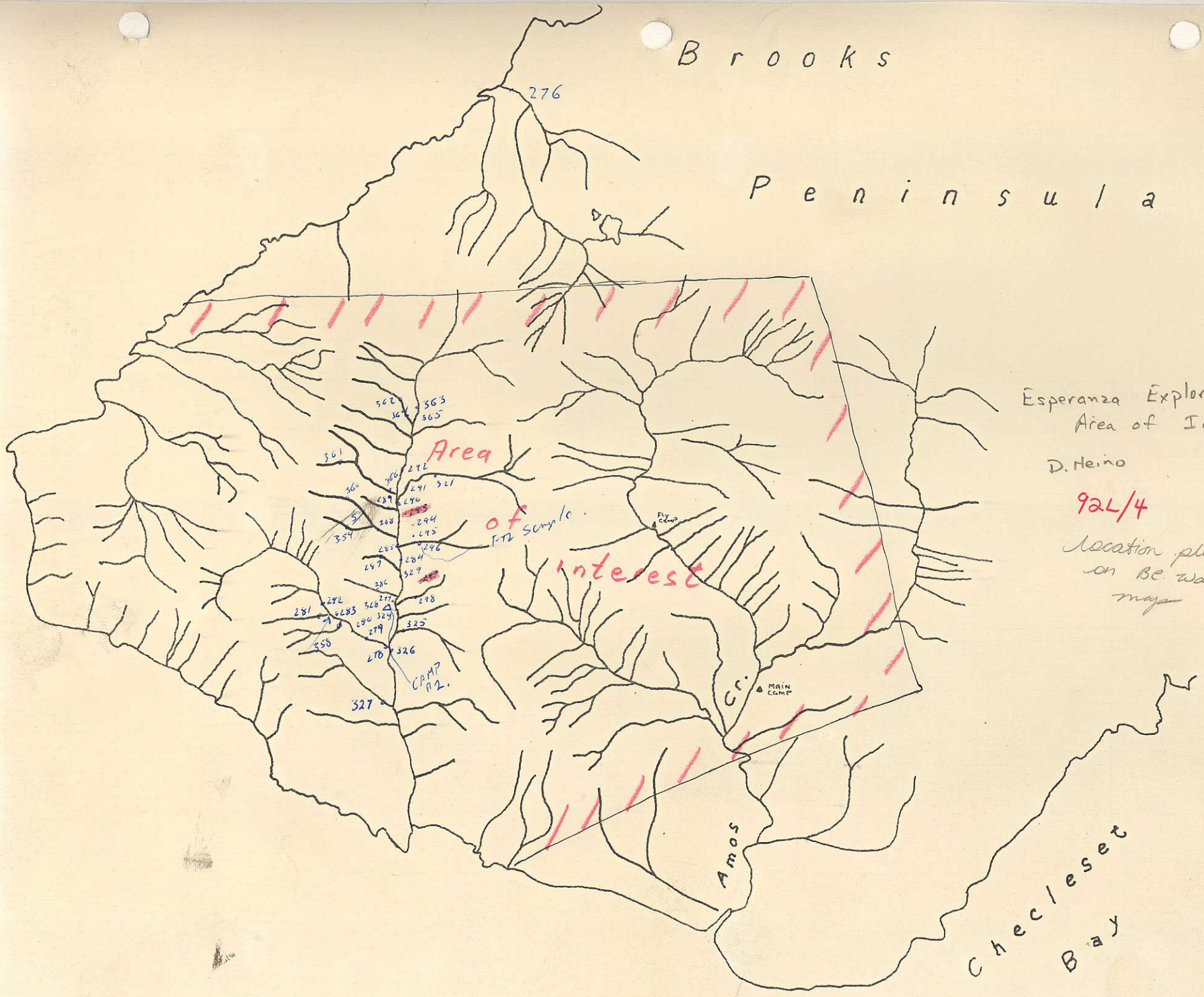
MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Bichle

BROOKES CAMP #2.

272 - 28 - 365

92L/4
location plotted on BC wall map
55'
50'
45'
Sapir Pt.
Shields
635 Cone
Bonner It
INLET
KLASKISH
McDougal
Bn Klaskish
Anchorage
Canoe Lake
Gp Fl(2)6 sec 90 ft
Donald Its
BROOKS BAY
Harris Pk
2930
Orchard Pt.
Clerke
CLERKE REEFS
Chart/Carte 3680
Hackett I
Gulliam
BROOKS
PENINSULA
Cape Cook
Amos Creek
Clerke Point
Quineex Rf
Baker Rk
Banks Rf
Eldridge Rk
CHE
20 M.
station at 20 meter intervals



Esperanza Exploration Ltd.
Area of Interest
D. Heino 1979

92L/4

Location plotted on BC wall map

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

TO: Esperanza Explorations Ltd.,
1027-470 Granville St.,
Vancouver, B.C. V6C 1V5

PROJECT No.

DATE June 28/79.

File No. 9-255

SAMPLE No.	Ag oz/ton	Au oz/ton		
296	.03	.002	✓	
329	.08	.005		
361	.78	.002	✓	
363	.97	.002	✓	
501	.07	.002		
505	.31	.003		
509	1.00	.003		
666	.10	.001		
667	.09	.001		

MIN-EN Laboratories Ltd.

CERTIFIED BY

JUL 3 1979

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project ..... Date of report June 29/79.

File No. 9-270 Date samples received June 27/79.

Samples submitted by: J. Brock

Company: Esperanza Expl.

Report on: 80 soils Geochem samples

2 Assay samples

Copies sent to:

1. Esperanza Explorations, Vancouver, B.C.
2.
3.

Samples: Sieved to mesh -80 soils Ground to mesh -100

Prepared samples stored ☒ discarded ☐

rejects ass. stored ☒ discarded ☒ geochem

Methods of analysis: Zn-nitric,perchloric digestion.A.A.Analysis.
Hg-Acid digestion-Flameless A.A. As-Spectrophotometric.
Au-Aqua Regia. A.A.Analysis. Assays-Acid digestion-chemical analysis.

Remarks: Samples ESP79-308 and ESP79-321 were duplicate samples.

SPECIALISTS IN MINERAL ENVIRONMENTS

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION: John Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

JUL 3 1979

FILE No. 9-270

DATE: June 29 1979.

Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-277				270			•		212	144		<5
278				380			•		110	110		<5
279				440			•		110	149		5
280				118			•		158	36		5
281				134			•		159	120		5
282				410			•		164	112		15
283				380			•		205	219		10
284				340			•		83	151		15
285				370			•		108	94		<5
286				118			•		108	36		5
287				800			•		63	225		10
288				460			•		98	87		20
289				161			•		785	39		10
290				250			•		28	28		10
291				131			•		78	33		15
292				350			•		63	53		5
293				135			•		109	52		40
294				131			•		85	17		10
295				143			•		84	64		5
296				134			•		97	30		5
297				69			•		116	16		<5
298				75			•		92	50		5
299				43			•		186	8		75
300				78			•		121	14		20
301				89			•		125	8		25
302				51			•		100	14		15
303				24			•		200	6		20
304				79			•		97	14		15
305				58			•		146	4		15
ESP79-306				18			•		78	8		25

CERTIFIED BY: Rene Swanty

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION: John Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

JUL 1979

FILE No. 9-270

DATE: June 29 1979.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-307				98			•		198	9		25
308				34			•		184	9		10
310				126			•		57	4		100
311				27			•		180	3		15
312				30			•		129	9		20
313				100			•		142	16		25
314				31			•		160	12		15
315				300			•		218	55		25
316				130			•		185	14		15
317				88			•		132	9		10
318				46			•		203	9		30
319				138			•		184	10		15
320				35			•		186	10		20
321				40			•		182	8		15
323				97			•		94	8		45
324				130			•		108	72		35
325				55			•		115	9		25
326				270			•		127	90		20
327				162			•		60	17		15
328				160			•		124	90		10
330				158			•		125	27		20
331				22			•		115	14		15
332				52			•		320	16		20
333				77			•		63	19		20
334				66			•		215	19		25
335				103			•		158	14		15
336				26			•		92	4		25
337				27			•		84	6		35
338				120			•		198	6		10
ESP79-339				110			•		83	19		5

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION: John Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

JUL 5 1979

FILE No. 9-270

DATE: June 29 1979.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb			
ESP79-340				81			•		95	14		5			
341				78			•		92	4		10			
342				21			•		78	7		25			
343				22			•		116	7		5			
344				25			•		150	9		5			
345				53			•		80	14		5			
346				94			•		112	33		<5			
347				75			•		178	89		5			
348				27			•		92	7		25			
349				26			•		115	15		5			
350				30			•		160	26		25			
351				31			•		178	23		30			
352				48			•		140	17		20			
353				37			•		97	14		10			
354				91			•		410	68		30			
355				23			•		117	14		10			
356				14			•		62	11		25			
ESP79-357				67			•		630	60		5			
ESP79-308				31			•		178	3		15	(Duplicate)		
ESP79-321				174			•		118	41		5	(Duplicate)		

CERTIFIED BY

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project ..... Date of report June 28/79.

File No. 9-255 Date samples received June 25/79.

Samples submitted by: G. Rayner

Company: Esperanza Explorations

Report on: 21 soils, 6 rocks Geochem samples

6 pan concs 9 Assay samples

Copies sent to:

1. Esperanza Expl., Vancouver, B.C.
2.
3.

Samples: Sieved to mesh -80 soil Ground to mesh -80 rock
-100 assay

Prepared samples stored ☒ discarded ☐

rejects ass. stored ☒ discarded ☒ geochem

Methods of analysis: Geochem-Zn,Ag-nitric,perchloric.A.A.Analysis.
Hg-Acid digestion.Flameless A.A. As-Acid digestion.
Spectrophotometric. Au-Aqua Regia. Assays-Acid digestion-

Remarks: Chemical analysis.

2 rocks to follow.

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

TO: Esperanza Explorations Ltd.,
1027-470 Granville St.,
Vancouver, B.C.

PROJECT No.

DATE June 28/79.

File No. 9-255

SAMPLE No.	Au oz/ton			
C 1	.001			
C 2	.001			
C 3	.030			
C 4	.001			
C 5	.001			
C 6	.001			

Cos & Hanno
Aug 27

MIN-EN Laboratories Ltd.

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION: G. Rayner

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 9-255

DATE: June 28 1979.

Sample. Number	Mo ppm	Cu ppm	~~Pb~~ ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
358			63				28		24	<1		10
369			35				14		4	200		25
JSB500			71				17		2	<1		15
01			27				07		4	<1		5
02			19				05		4	<1		10
JSB504			67				17		2	<1		5

cc DH July 27

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION: G. Rayner

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 9-255

DATE: June 28 1979.

Sample Number	Mo ppm	Cu ppm	~~Pb~~ ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-358			305				19		80	108		30
359			290				21		160	101		20
360			143				26		95	11		5
361			165				18		86	9		<5
362			400				19		50	66		5
363			178				13		53	30		10
364			385				28		66	80		10
365			400				13		30	83		15
366			230				11		42	32		5
367			136				10		30	52		5
368			152				12		59	32		<5
369			295				15		50	14		<5
370			265				09		28	83		10
371			250				16		220	26		5
372			184				16		80	14		<5
373			330				12		33	45		<5
329			760				25		98	800		85
JSB506			69				10		6	2		80
509			9500				65		330	900		45
507			3040				68		320	450		120
508			158				20		290	23		5

CC 010 Aug 27.

CERTIFIED BY

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 48034 Date: July 19 1979

Received July 6 1979 1 Samples of Pulp

Submitted by Min-En Laboratories Ltd., N. Vancouver, B.C. sample per:J.J.Barakso

SAMPLE NO.	Semi-Quantitative PLATINUM Oz./ton	PALLADIUM Oz./ton
JSB-503	<0.001	<0.0005

NOTE: Palladium results are included at no extra cost.

Per G. Lebel - Manager

ESTABLISHED 1928

Member Canadian Testing Association

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

JUL 3 1979

TO: Esperanza Explorations,
1027-470 Granville St.
Vancouver, B.C. V6C 1V5.

PROJECT No.

DATE June 29/79.

File No. 9-270

SAMPLE No.	Ag oz/ton	Au oz/ton		
79-327	.02	.003		
79-329	.05	.019		

MIN-EN Laboratories Ltd.

CERTIFIED BY

0980-5814

MIN-EN
BROOKES - June 27/79.

Values rec'd by phone, lower assays not given.

Core 1	Zn	Hg	As	Au.
ESP 79-282	410 ~~15~~	164	112	15
-284	340	83	151	15
-288	460	98	87	20
-291	131	78	33	15
-293	135	109	52	40
-299	43	186	8	75
-300	78	121	14	20
-301	89	125	8	25
-302	51	100	14	15
Soil line 303	24	200	6	20
304	79	97	14	15
305	58	146	4	15
306	18	78	8	25
307	98	198	9	25
310	126	57	4	100
313	100	142	16	25
315	300	218	55	25
318	46	203	9	30
323	97	94	8	45
324	130	108	72	35
325	55	115	9	25
334	66	215	19	25
Soil line 336	26	92	4	25
337	27	84	6	35
351	31	178	23	30
354	91	410	68	30

JUL 3 1979

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

HEINO BROOKES

ANALYTICAL REPORT

Project ..... Date of report June 29/79.

File No. 9-255 Date samples received June 25/79.

Samples submitted by: G. Rayner

Company: Esperanza Expl.

Report on: Geochem samples

2 Assay samples

Copies sent to:

1. Esperanza Expl., Vancouver, B.C.
2. G. Rayner, West Vancouver, B.C.
3.

Samples: Sieved to mesh ..... Ground to mesh -100

Prepared samples stored ☒ discarded ☐

rejects stored ☐ discarded ☒

Methods of analysis: Acid digestion-chemical analysis.

Remarks: Pt to follow.

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

TO: Esperanza Explorations Ltd.,
1027-470 Granville St.,
Vancouver, B.C.

PROJECT No.

DATE June 29/79.

File No. 9-255

SAMPLE No.	Ag oz/ton	Au oz/ton	Sn %	
JSB 503	.09	.001	--	
668	--	---	69.00	Brookes - DH #2

MIN-EN Laboratories Ltd.

CERTIFIED BY

BROOKES #3

HEINO

June 9/79

- sample carry tomorrow
- siberian number lots of pyrite — no colour through
- found old poles.

PWA - chlor temperature -

— 50 mesh for rock.

- going to Carbolite now -

Brooks inc. 488/489/490 / silty fine intervals - some gertos Zeboclas.

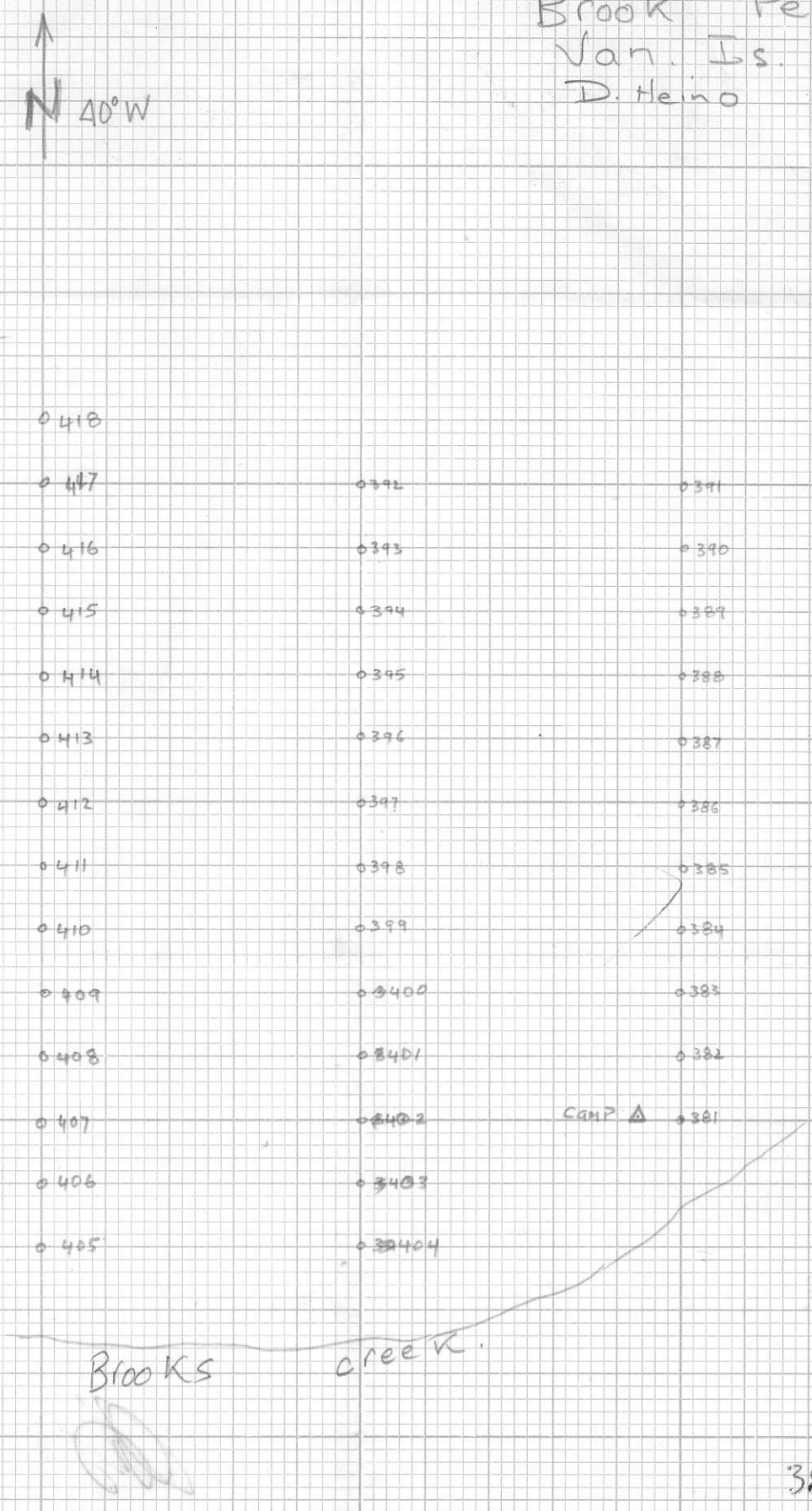
Broken Crest - fine fine fine gone.

50' wide.

/ gone by now. = bx.
/ gone creek. - fractured -

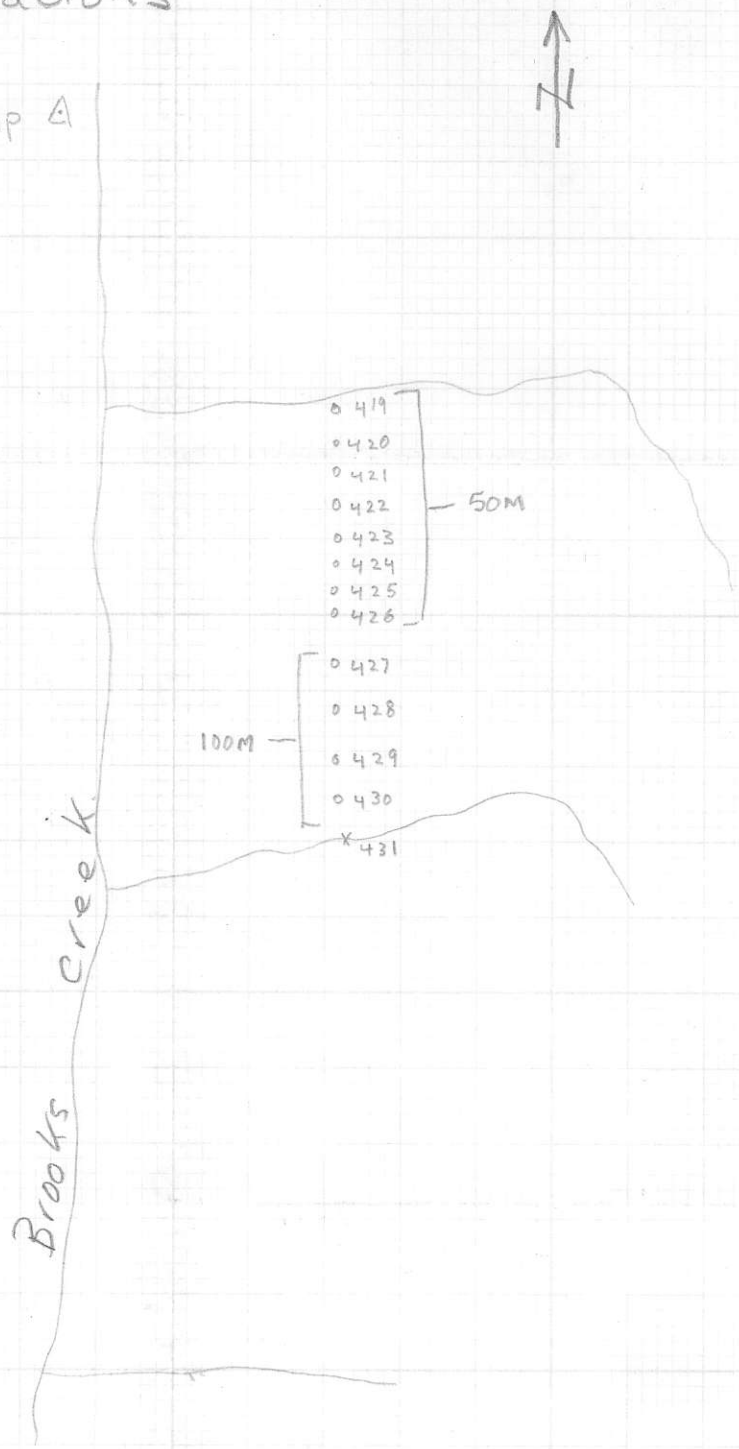
Esperanza Explorations

Soil Sample Locations
Brook Pen.
Van. Is.
D. Heino 1979



381-418

Esperanza Exploration
Soil Sample locations
Brooks Pen.
Van Is.
D. Heino 1979



419 - 431

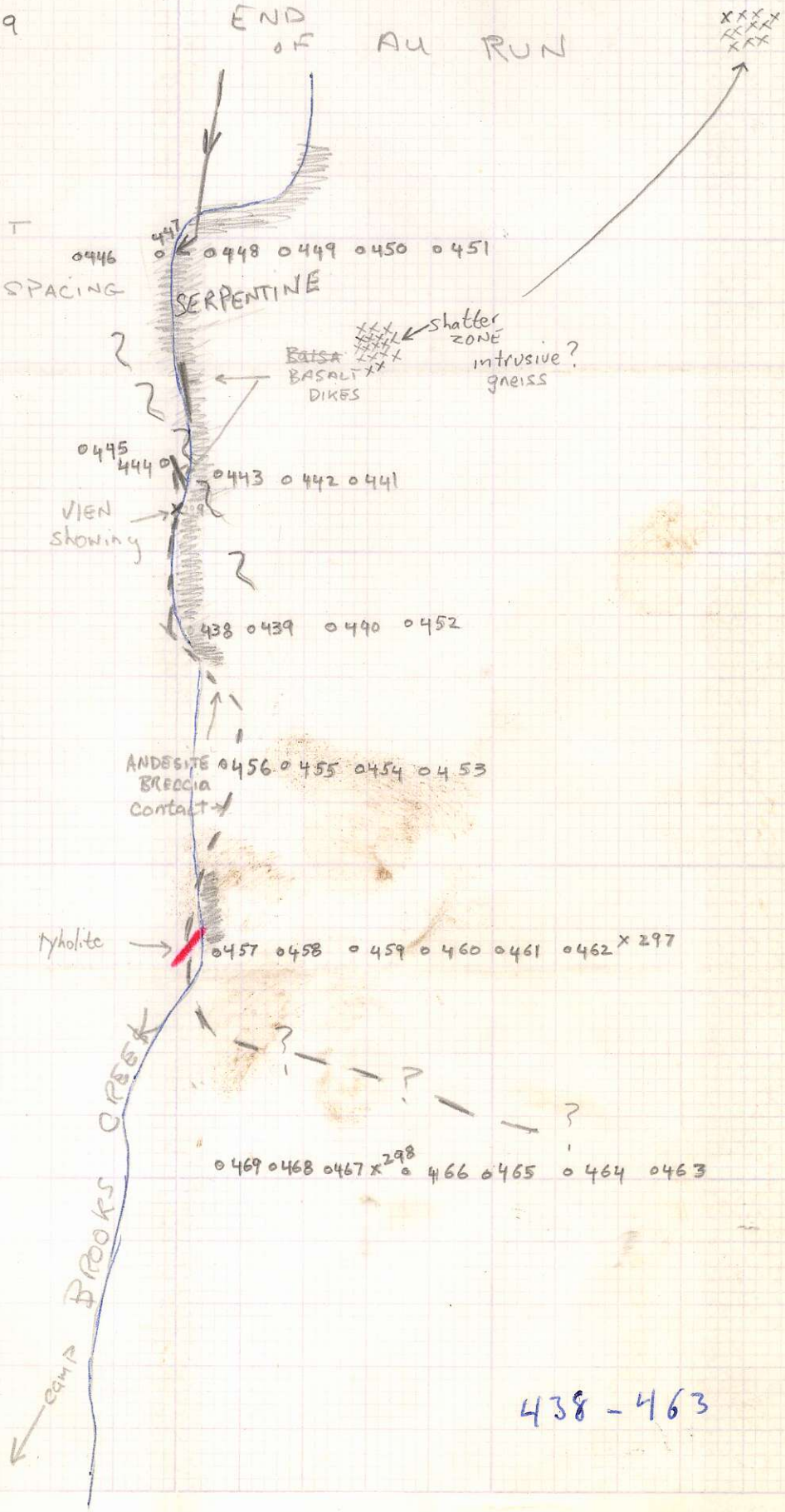
Esperanza Explorations

Soil Sample Locations

Brook Pen.

Van Is.

D. Heino 1979



438 - 463

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

TO: Esperanza Exploration,
1027-470 Granville St.,
Vancouver, B.C.

PROJECT No.

DATE July 14/79.

File No. 9-338

SAMPLE No.		Ag oz/ton	Au oz/ton	
ESP-79-476		.03	.001	
ESP-79-478		.07	.001	

Cost to Hemo July 77

MIN-EN Laboratories Ltd.

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 9-338

DATE: July 14 1979.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-374												5
375												15
376												10
377												5
378												15
379												10
380												5
381												10
383												5
384												15
385												35
386												10
387												10
388												5
389												5
390												25
391												5
392												10
393												15
394												25
395												15
396												15
397												20
398												15
399												20
400												20
401												15
402												20
403												15
ESP79-404												15

Copy to Homo - Dec. 27

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 9-338

DATE: July 14 1979.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP 79-405												10
406												15
407												40
408												15
409												20
410												5
411												10
412												10
413												10
414												5
415												15
416												5
417												5
418												5
419												10
420												15
421												10
422												15
423												10
424												15
425												10
426												10
427												5
428												10
429												5
430												5
431												5
432												10
433												15
ESP 79-434												10

Copy to Homo - Jul 27

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 9-338

DATE: July 14 1979.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-435												<5
436												5
437												<5
438												5
439												10
440												10
441												30
442												25
443												25
444												20
445												35
446												10
447												10
448												30
449												3050
450												5
451												15
452												15
453												<5
454												15
455												10
456												25
457												20
458												10
459												10
460												5
461												5
462												<5
463												5
ESP79-464												10

Copy to Hemco Dec 27

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 9-338

DATE: July 14 1979.

Sample Number (6–86)	Mo ppm (10–90)	Cu ppm (15–95)	Pb ppm (20–100)	Zn ppm (25–105)	Ni ppm (30–110)	Co ppm (35–115)	Ag ppm (40–120)	Fe ppm (45–125)	Hg ppb (50–130)	As ppm (55–135)	Mn ppm (60–140)	Au ppb (65–145)
ESP79-465												5
466												5
467												15
468												10
469												10
470												15
471												5
472												20
473												20
474												25
475												15
476												10
477												10
478												15
479												5
480												10
481												10
482												15
483												5
484												5
485												10
486												5
487												5
488												5
489												20
ESP79-490												10

Ans to HSNO Aug 27

CERTIFIED BY

MIN·EN

Aug 2/79

	PPb Gold	Silver
ESP #79-491	10	1.0
to 520 2	15	1.1
3	25	.8
4	10	.7
5	5	.4
6	<5	.6
7	20	.9
8	10	.7
9	15	.5
500	20	1.0
1	15	.9
2	30	1.1
3	20	.9
recheck 79-2-4	1300	.7
5	35	.7
6	15	.8
7	40	.9
8	20	.7
9	10	.6
510	5	.8
11	<5	.7
12	<5	.5
13	<5	.5
14	5	.6
15	5	.6
16	5	.8
17	5	.8
18	10	.8
19	5	.9
20	10	.9

	Gold	Silver
521-55	5	.9
22	<5	.7
23	5	1.1
	5	1.1
	10	.9
	5	1.0
	10	.7
	15	.7
	5	.6
	5	1.1
	5	.5
	<5	.7
	15	.8
	<5	.5
	5	.9
	<5	.6
	10	.8
	5	.7
	<5	.7
	10	.8
	5	.8
	10	.6
	10	.7
No Sample	—	
	5	.7
	<5	.6
	5	.6
	5	1.0
	<5	0.7
	5	0.9

	Gold	Silver
551-560	5	.5
	<5	1.2
	10	.8
	10	.6
	10	1.1
	5	1.8
	5	1.1
	10	.3
	5	.4
	15	1.1

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project ..... Date of report Aug.2/79.

File No. 9-441 Date samples received .....

Samples submitted by: .....

Company: Esperanza Explorations

Report on: 69 soils Geochem samples

..... Assay samples

Copies sent to:

1. Esperanza Explorations, Vancouver, B.C.
2. .....
3. .....

Samples: Sieved to mesh -40 Ground to mesh .....

Prepared samples stored ☒ discarded ☐

rejects stored ☐ discarded ☒

Methods of analysis: Ag-nitric,perchloric digestion.A.A.Analysis.
Au-Aqua Regia. A.A.Analysis.

Remarks: Sample ESP79-544 was missing.

COMPANY Esperanza Explorations

PROJECT No.:

ATTENTION: J. Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

No 9-441

DATE: Aug. 2, 1979.

Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-491							10					10
492							11					15
493							08					25
494							07					10
495							04					5
496							06					<5
497							09					20
498							07					10
499							05					15
500							10					20
501							09					15
502							11					30
503							09					20
504							07					1300
505							07					35
506							08					15
507							09					40
508							07					20
509							06					10
510							08					5
511							07					<5
512							05					<5
513							05					<5
514							06					5
515							06					5
516							08					5
517							08					5
518							08					10
519							09					5
ESP79-520							09					10

CERTIFIED BY Bill

COMPANY Esperanza Explorations

PROJECT No.:

ATTENTION: J. Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 9-441

DATE: Aug. 3, 1979.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP 79-521							0.9					5
522							0.7					<5
523							1.1					5
524							1.1					5
525							0.9					10
526							1.0					5
527							0.7					10
528							0.7					15
529							0.6					5
530							1.1					5
531							0.5					5
532							0.7					<5
533							0.8					15
534							0.5					<5
535							0.9					5
536							0.6					<5
537							0.8					10
538							0.7					5
539							0.7					<5
540							0.8					10
541							0.8					5
542							0.6					10
543							0.7					10
544							no sample					
545							0.7					5
546							0.6					<5
547							0.6					5
548							1.1					5
549							0.7					<5
ESP 79-550							0.9					5

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION: J. Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

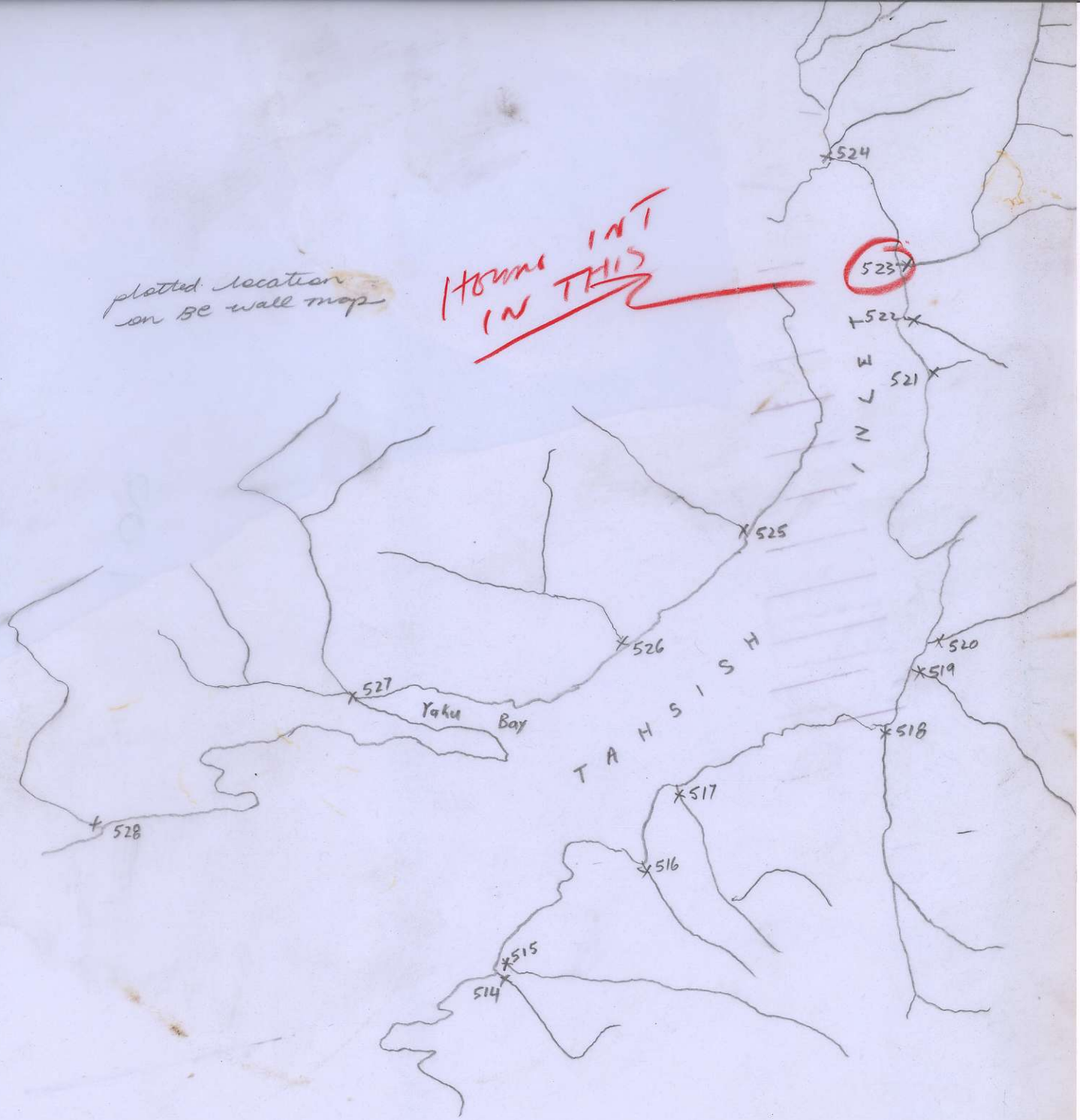
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

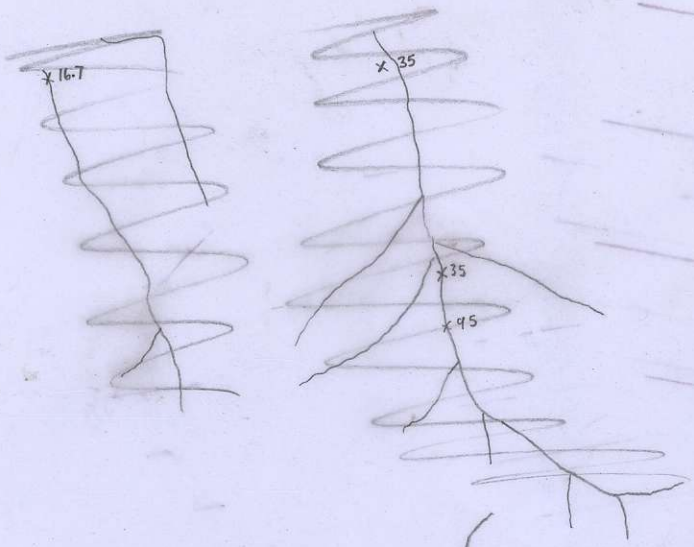
File No. 9-441

DATE: Aug. 2, 1979.

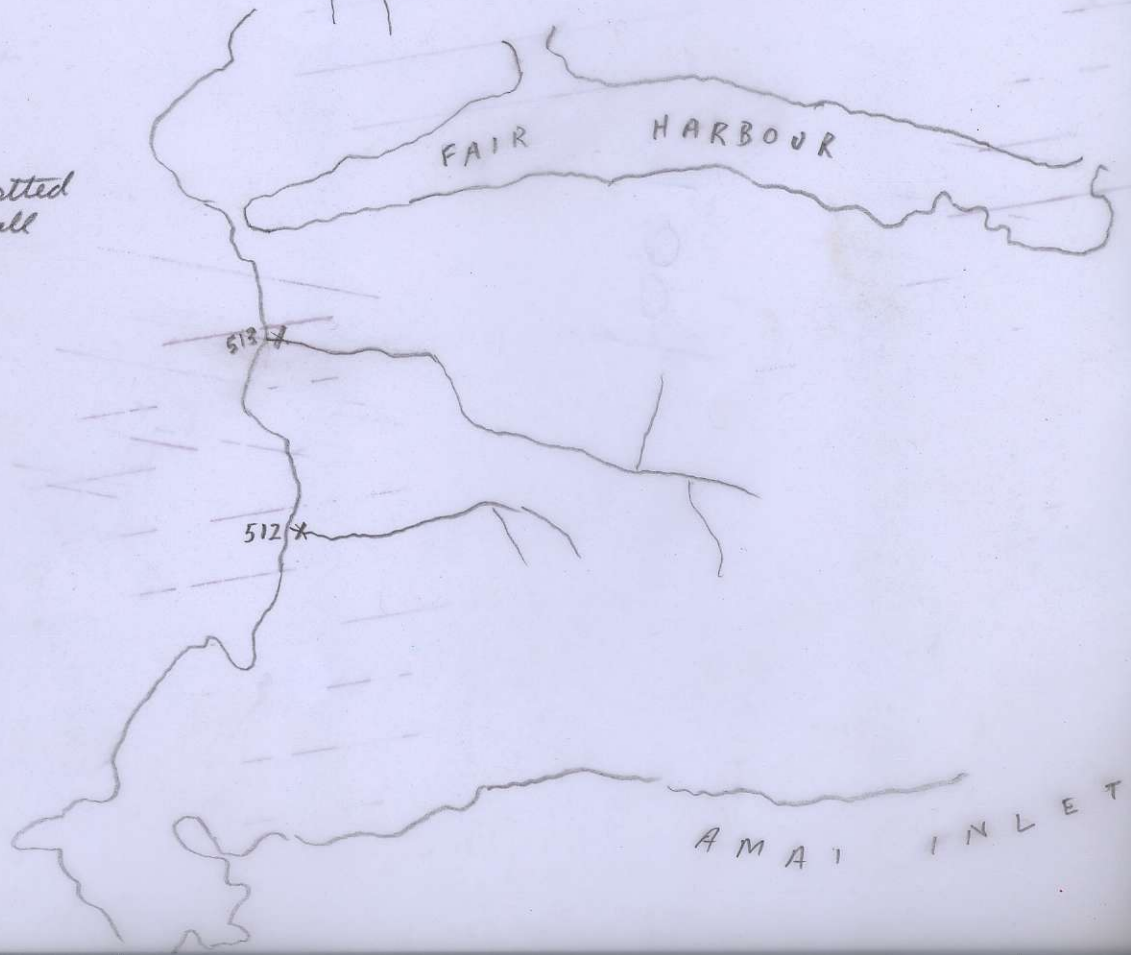
Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-551							05					5
552							12					<5
553							08					10
554							06					10
555							11					10
556							18					5
557							11					5
558							03					10
559							04					5
ESP79-560							11					15

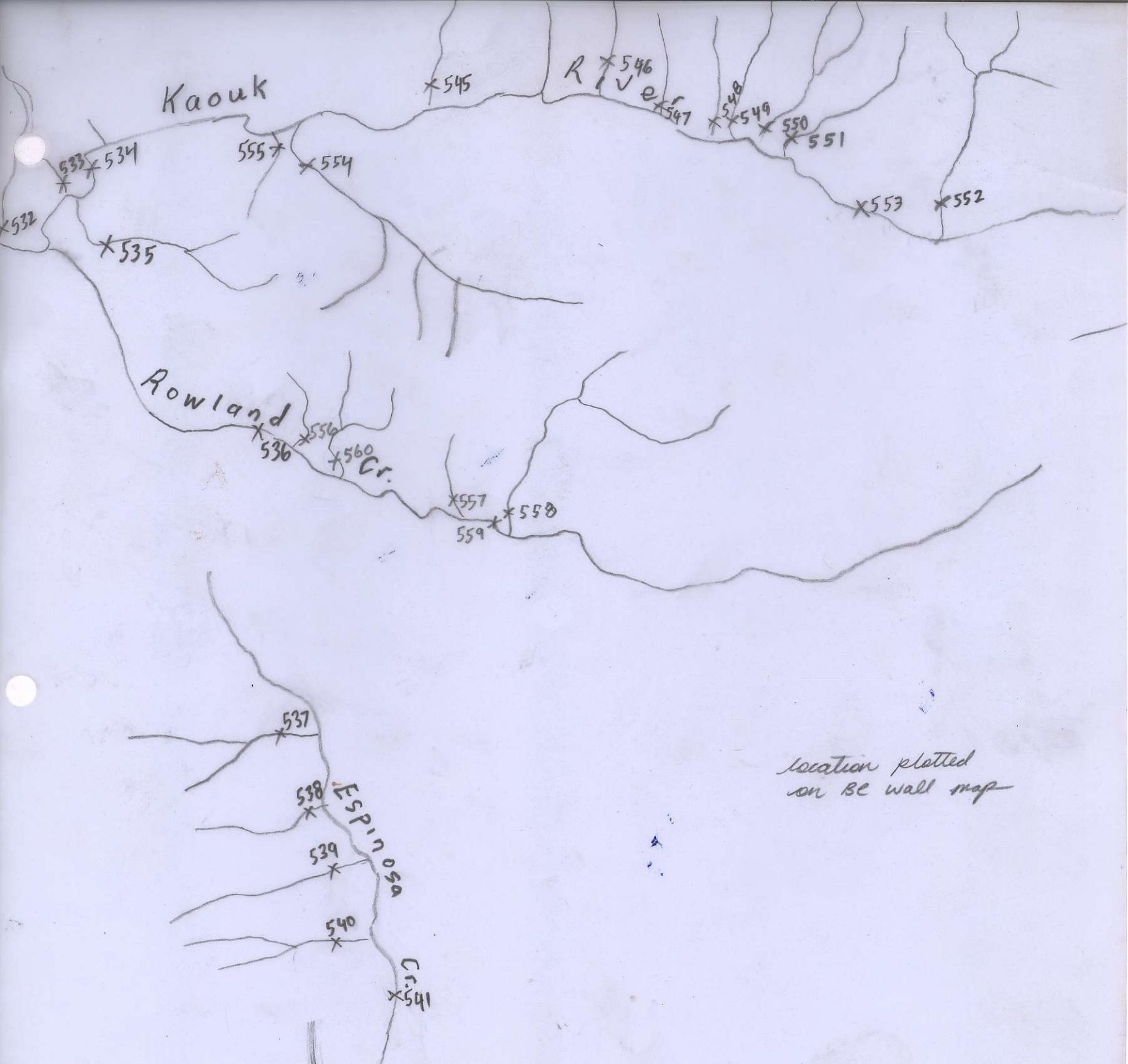
CERTIFIED BY: Dill


plotted location on BC wall map
HOUSE INT IN THIS
524
523
522
521
W V Z I
525
526
520
519
527
Yaku Bay
518
T A H S I S H
517
528
516
515
514



location plotted on BC wall map

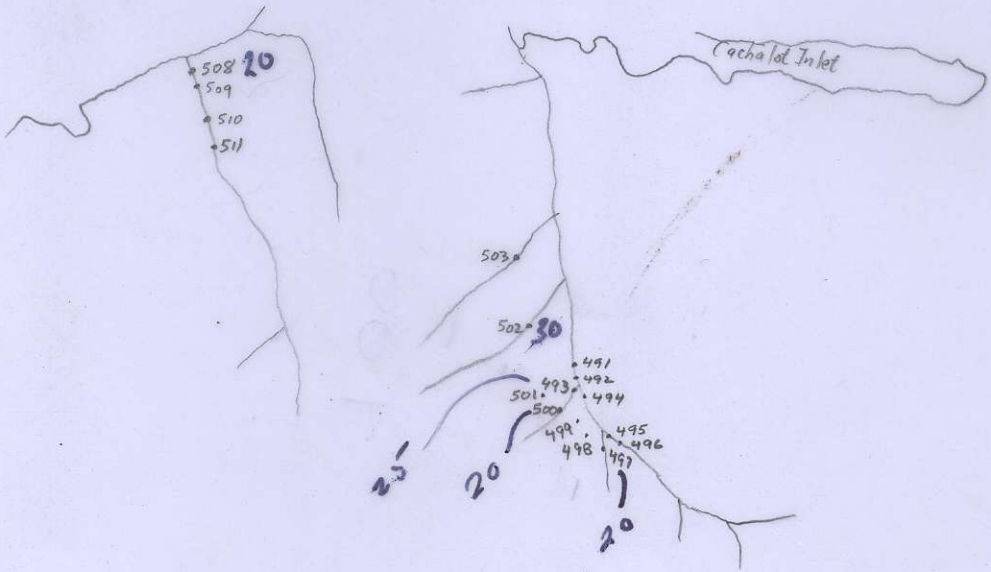




location plotted on BC wall map

92E/4

plotted location on BC wall map



504-507 ?

Gave number to Marion
Aug 2/79

Esperanza Exploration Ltd.

Amai Inlet

July 10 to July 27

Location

Camp was set up at Murphy's camp at the head of F.1 / M.1 creek.

Work Done

Was to check out high silt on Cocholet creek Esp 79-78 & Esp 79-15 also to silt sample creeks in Tahsish inlet Kashutl inlet & Trabutaries of Kaouk, Amai, Rowland & Espinosa creeks. No placer gold was panned from these creeks. The area on the west side of Kashutl inlet from Esp 79-565 to Esp 79-571 all creeks have intensive pyrite mineralization, all creeks that have pyrite mineralization float will be sand in for rock geochem. Quartz float with pyrite mineralization was found at the N.E. end of Kashutl inlet. Esp 79-574 follow up of this revealed a quartz vien in intrusive rock striking East West dipping to the north.

with many smaller vienlets near the main body of qtz. the vein is approx 400' long which dissappears in overburden to the west & pinches out at the east end which comprises mostly of calcite. Rock chip samples were taken at the widest point which had a 10' adit drove into it. Also one sample taken from the float in the creek. (see map). Another showing was found at ESP 79-561 which consisted of pyrite in a rhyolite dyke approx: 2000 long & 20' wide, one grab sample was taken along its length. A reported au showing was looked at on Yaku bay, but this consisted of only calcite & barite in limestone.

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project ..... Date of report Aug.8/79.

File No. 9-460 Date samples received Aug.2/79.

Samples submitted by: .....

Company: Esperanza Expl.

Report on: 29 soils, 15 rocks Geochem samples

4 Assay samples

Copies sent to:

1. Esperanza Expl., Vancouver, B.C.
2. .....
3. .....

Samples: Sieved to mesh -80 soil Ground to mesh -100 assay
-80 rock

Prepared samples stored ☒ discarded ☐

rejects ass. stored ☒ discarded ☒ geochem

Methods of analysis: Geochem-As-Acid digestion-Spectrophotometric.
Au-Aqua Regia.A.A.Analysis. Ag-nitric,perchloric digestion.
A.A.Analysis. Assays-Acid digestion-chemical analysis.

Remarks: .....

COMPANY Esperanza Expl.

PROJECT No.:

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

File No. 9-460

DATE: Aug. 7, 1979.

Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-500							0.5					5
523							0.9					5
565							0.5					5
567(1)							0.3					5
567(2)							3.2					10
567(3)							0.5					5
568(1)							0.4					5
568(2)							0.6					5
569(1)							0.6					5
569(2)							1.0					<5
569(3)							0.9					5
570(1)							0.4					<5
570(2)							0.8					10
570(3)							0.7					5
ESP79-570(4)							0.4					5

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 9-460

DATE: Aug. 7, 1979.

Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-561										25		<5
562										12		5
563										14		5
564										14		5
565										10		10
566										21		10
567										10		5
568										6		10
569										27		5
570										29		20
571										51		5
572										25		10
573										9		5
574										12		<5
575										9		5
576										6		10
577										6		5
578										10		5
579										27		<5
580										14		5
581										6		5
582										12		5
583										29		10
584										22		5
585										4		5
586										2		<5
587										9		5
588										19		10
ESP79-589										19		10

CERTIFIED BY: [signature]

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

TO: Esperanza Explorations,
1027-470 Granville St.,
Vancouver, B.C.

PROJECT No.

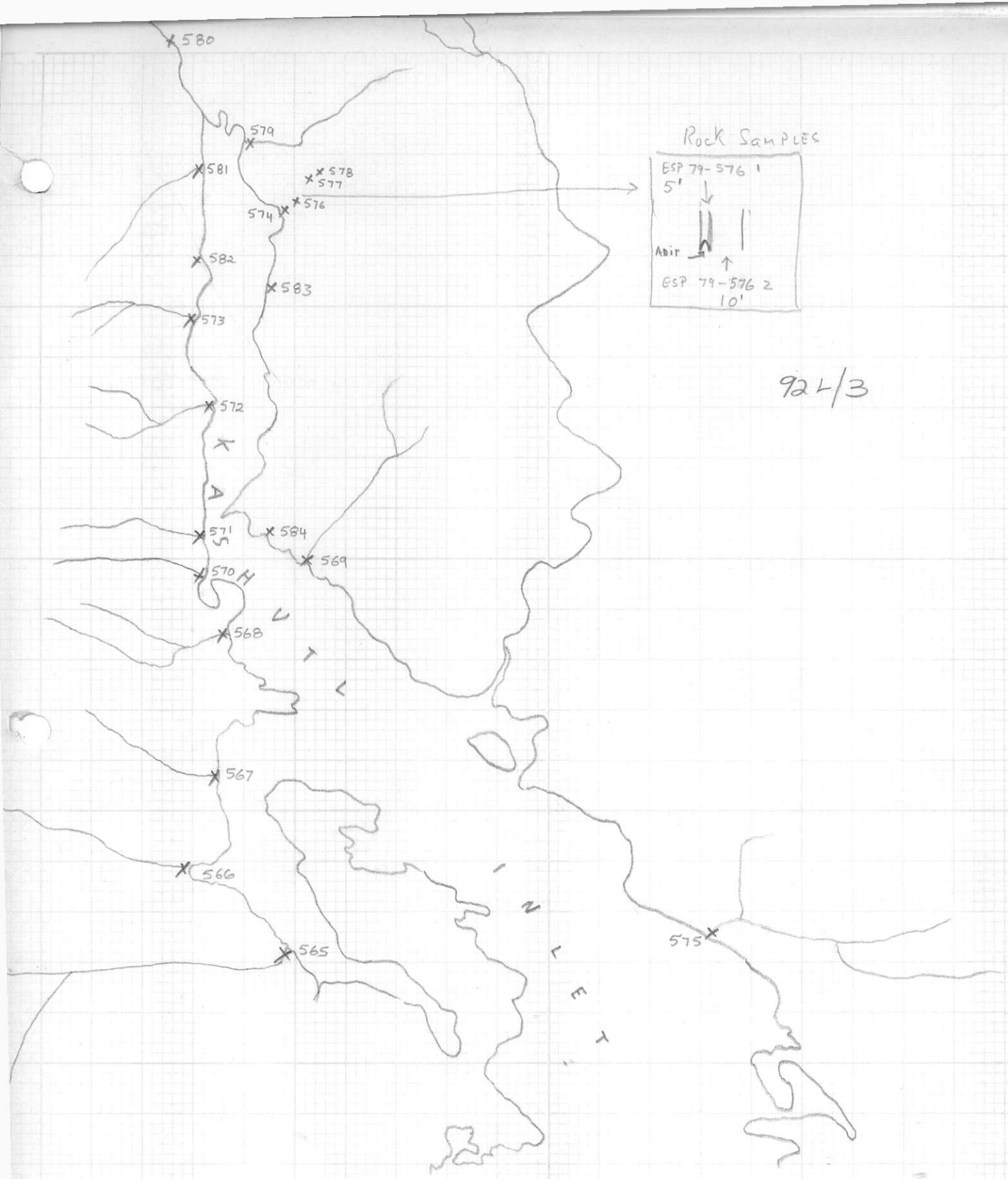
DATE Aug.8/79.

File No. 9-460

SAMPLE No.		Ag oz/ton	Au oz/ton	
ESP79-561		.05	.002	
ESP79-576(1)		.03	.002	
ESP79-576(2)		.04	.002	
ESP79-576(3)		.03	.002	

MIN-EN Laboratories Ltd.

CERTIFIED BY



Esperanza Exploration
Silt & Rock Samples
D. Heino 1979

ESPERANZA EXPLORATION LTD
Silt Samples
D. Heino 1979

location plotted
on BC wall map

ESPERANZA EXPLORATION LTD.
Silt & Rock Samples
D. Heino 1979

From
John S. Brock

Aug 8/79

Heino.

1) Checked out prospects. most narrow qtz veins.

2) Beano. 1,000 tons. prob. no go.

3) Dacite dykes. samples and min py - ARSN - BORN - chin sample - TABORE
- BRITANNIA.
- NOMAS U.G. = C/NORMS
* ↳ +/ dacite dykes.

---

chemr. py in acid & got gold.

Samples from McNeil tomorrow.

From
John S. Brock

Aug 8/79

* may hit where swarm of DACITE DYKES.
O/B covered

pyr?

Avit sampled W of TAFORÉ
NOMASH: good samples.

DYKES related to Au MIN in Zibodos?

These samples follows
Rec'd & shipped Aug 13/79
to MINEN.

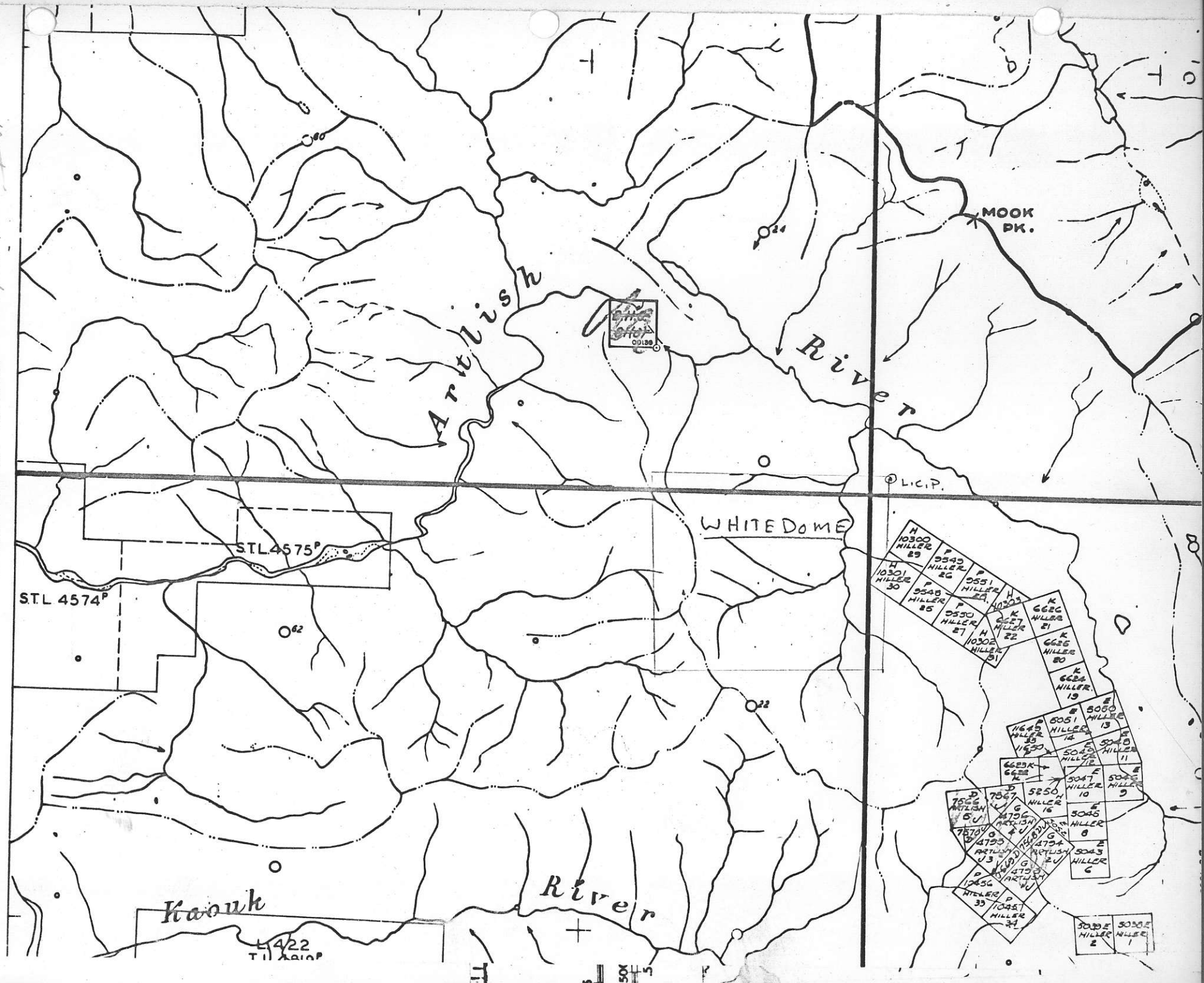
Hemo Aug 16/79

- MSSV - pyr - mag - over 350' elevation
- 6-10' thick.
length of 1000'
- 100 cds hem wood.

ON ARTLISH RIVER - HDWDRS -
- near MARKS -
- 1st mayer / ok to south of ARTLISH & FMUT cm
- to S.E = HALLER GROUP - — check out -
9242
- in cole siltstone & s/stone & intrusive.
- lots of diseminated gabbro.

- more sample from NOMASIL
over 15' 3 zones - MSV. pyr + pyrrhotite.

ADVISED to stop stoking


Location plotted on base wall map
92 L 2 W.
TO WEST SEE MAP 92 L/3 E.
Artlish
River
MOOK PK.
L.I.C.P.
WHITEDOME
S.T.L. 4575P
S.T.L. 4574P
Kaouk
River
T.L. 4422
H 10300 HILLER 29
H 10301 HILLER 30
P 9549 HILLER 26
P 9551 HILLER 29
P 9548 HILLER 25
P 9550 HILLER 27
H 10302 HILLER 31
K 6626 HILLER 21
K 6627 HILLER 22
K 6625 HILLER 20
K 6624 HILLER 19
E 5060 HILLER 13
E 5061 HILLER 14
E 5040 HILLER 11
E 5047 HILLER 10
E 5046 HILLER 8
E 5043 HILLER 6
E 5039 HILLER 2
E 5038 HILLER 1
P 7566 ARTLISH 6 J
P 7567
G 4796 ARTLISH 4 J
G 4795 ARTLISH 3 J
G 4794 ARTLISH 2 J
P 10456 HILLER 33
P 10457 HILLER 34

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project ..... Date of report Aug.18/79.

File No. 9-505 Date samples received Aug.13/79.

Samples submitted by: J.Brock

Company: Esperanza Explorations

Report on: 102 soils, Geochem samples

18 Assay samples

Copies sent to:

1. Esperanza Explorations, Vancouver, B.C.
2.
3.

Samples: Sieved to mesh -40 Ground to mesh -100

Prepared samples stored ☒ discarded ☐

rejects ass. stored ☒ discarded ☒ geochem

Methods of analysis: Au-Aqua Regia.A.A.Analysis.

Assay-Acid digestion-chemical analysis.

Remarks:

SPECIALISTS IN MINERAL ENVIRONMENTS

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION: J. Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

File No. 9-505

DATE: Aug. 18, 1979.

-40 mesh

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-590												5
591												5
592												5
593												5
594												<5
595												5
596												<5
597												5
598												10
599												5
600												5
601												60
602												5
603												5
604												5
605												5
606												15
607												5
608												10
609												5
610												50
611												10
612												15
613												<5
614												20
615												260
616												10
617												5
618												5
ESP79-619												10

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION: J. Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

-40 mesh

No. 9-505

DATE: Aug.18, 1979.

Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-620												5
621												5
622												10
623												5
624												5
625												260
626												5
627												<5
628												110
629												10
630												5
631												15
632												15
633												10
634												10
635												5
636												10
637												10
638												5
639												15
640												10
641												5
642												10
643												5
644												5
645												10
646												10
647												10
648												5
ESP79-649												5

CERTIFIED BY: Eric Neuls

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION: J.Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

-40 mesh

FILE No. 9-505

DATE: Aug.18, 1979.

Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-650												35
51												25
52												25
53												20
54												45
55												50
56												20
57												15
58												5
59												5
60												<5
61												10
62												10
63												15
64												10
65												135
66												25
67												15
68												35
69												15
70												10
71												15
72												20
73												35
74												25
75												10
76												30
77												25
78												35
ESP79-679												65

CERTIFIED BY: Rene Swartz

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION: J. Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

-40 mesh

File No. 9-505

DATE: Aug. 18, 1979.

Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-680												600
81												1000
82												55
83												10
84												45
85												65
86												5
87												50
88												5
89												15
90												<5
ESP79-691												2400

CERTIFIED BY

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

TO: Esperanza Explorations,
1027-470 Granville St.,
Vancouver, B.C.

PROJECT No.

DATE Aug.18/79.

File No. 9-505

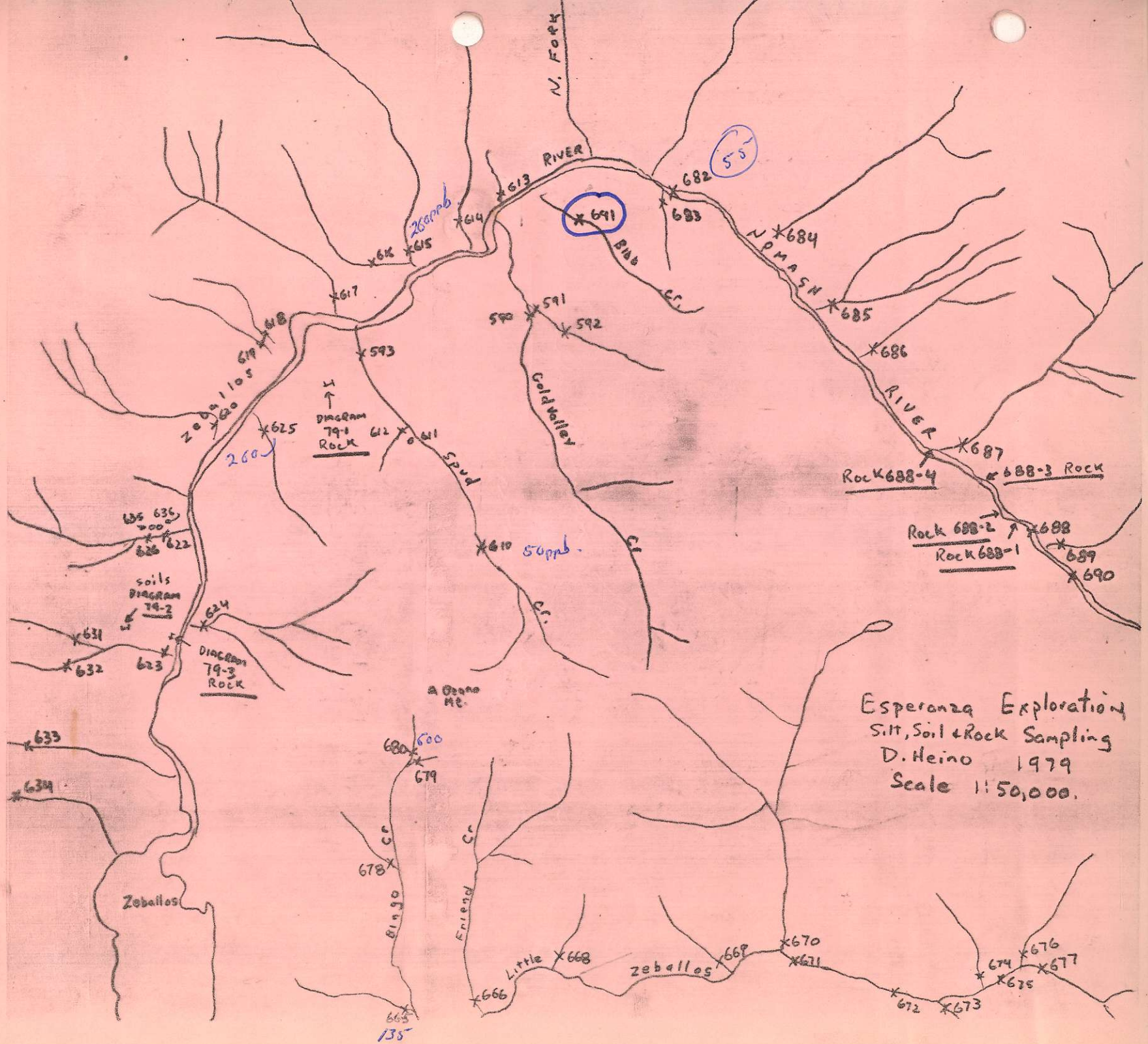
SAMPLE No.		Ag oz/ton	Au oz/ton	
ESP79-594-1		.03	.001	
	2	.04	.018	
	3	.03	.002	
	4	.03	.003	
	5	.09	.002	
	6	.19	.002	
ESP79-594-7		.03	.001	
ESP79-610		.03	.003	
ESP79-623-1		.04	.004	
	2	.04	.003	
	3	.03	.003	
	4	.04	.001	
	5	.03	.002	
ESP79-623-6		.05	.002	
ESP79-688-1		.10	.002	
	2	.11	.004	
	3	.05	.002	
ESP79-688-4		.10	.007	

MIN-EN Laboratories Ltd.

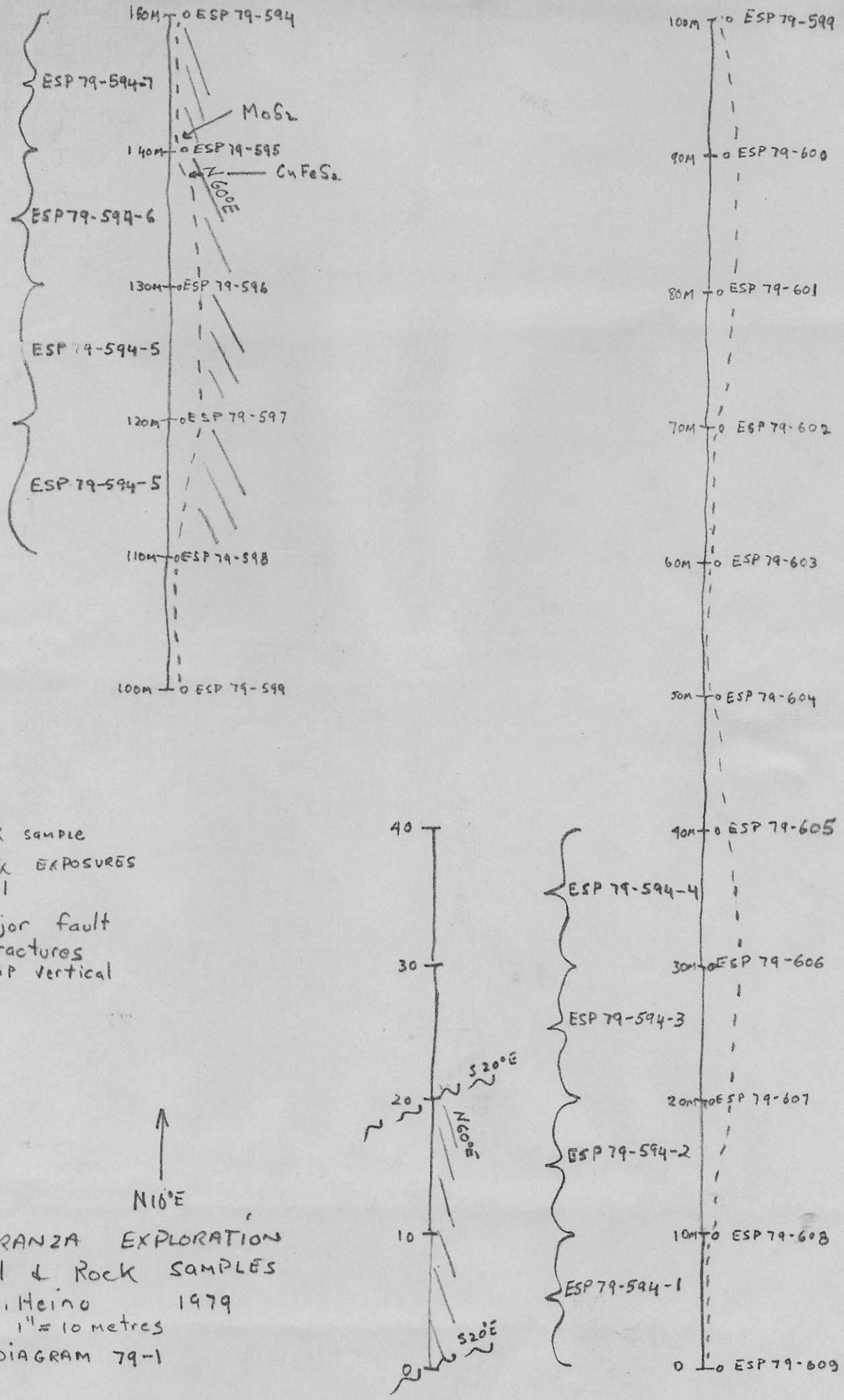
CERTIFIED BY

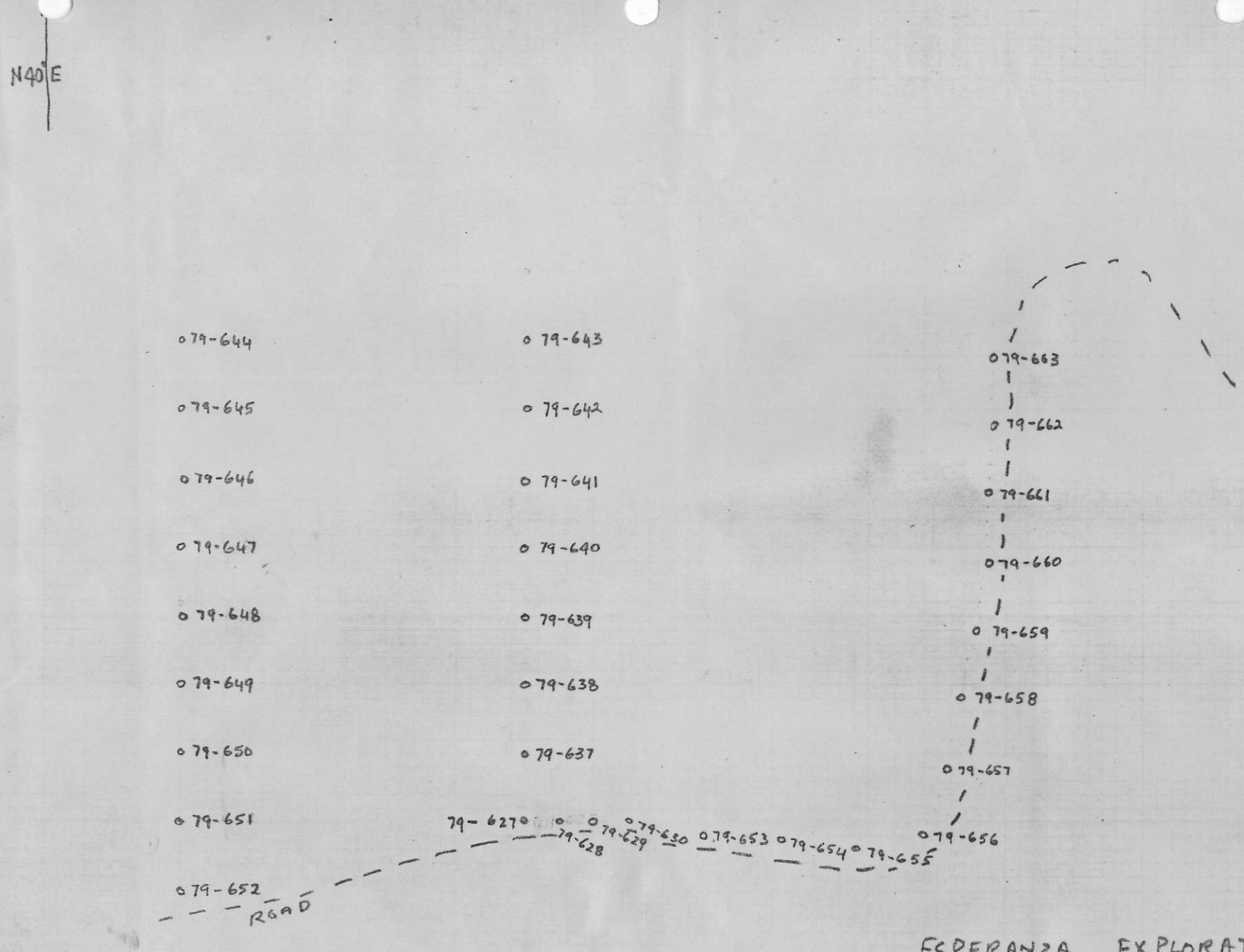
924/2

plotted on Be wall map



Esperanza Exploration
Silt, Soil & Rock Sampling
D. Heino 1979
Scale 1:50,000.


160M
ESP 79-594
ESP 79-594-7
MoS2
140M
ESP 79-595
CuFeS2
N60°E
ESP 79-594-6
130M
ESP 79-596
ESP 79-594-5
120M
ESP 79-597
ESP 79-594-5
110M
ESP 79-598
100M
ESP 79-599
100M
ESP 79-599
90M
ESP 79-600
80M
ESP 79-601
60 ppb
70M
ESP 79-602
60M
ESP 79-603
50M
ESP 79-604
40M
ESP 79-605
ESP 79-594-4
30M
ESP 79-606
ESP 79-594-3
20M
ESP 79-607
ESP 79-594-2
10M
ESP 79-608
ESP 79-594-1
0
ESP 79-609
40
30
20
10
0
S20°E
N60°E
S20°E
Rock sample
Rock exposures
soil
Major fault
fractures
Dip vertical
N16°E
ESPERANZA EXPLORATION
soil & Rock SAMPLES
D. Heino 1979
1" = 10 metres
DIAGRAM 79-1



ESPERANZA EXPLORATION
SOIL SAMPLING
D. Heino 1979
1" = 40 metres
DIAGRAM 79-2

ESPERANZA EXPLORATIO
ROCK SAMPLING
D. Heino 1979
DIAGRAM 79-3

Aug 24/79.

Heino.

samples off to VCR. maps in box
1 sock & 1 bag.

691 - BIBB CRL -

- end of month in VCR ID.
- then back to MAINLAND -

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project Esperanza Heino Date of report Sept.6/79.

File No. 9-586 Date samples received Aug.30/79.

Samples submitted by:

Company: Esperanza Expl.

Report on: 20 soil Geochem samples

20 Assay samples

Copies sent to:

1. Esperanza Expl., Vancouver, B.C.
2.
3.

Samples: Sieved to mesh -40 soil Ground to mesh -100 assay

Prepared samples stored ☒ discarded ☐

rejects ass. stored ☒ discarded ☒ geochem

Methods of analysis: Geochem Au-Aqua Regia. A.A.Analysis.

Assays-Acid digestion-chemical analysis.

Remarks:

COMPANY: Esperanza Expl.

PROJECT No.: Esperanza-Heino

ATTENTION: J.Brock

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

SEP 7 1979

File No. 9-586

DATE: Sept.6 1979.

-40 MESH

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-692												5
693												10
694												65
695												5
696												10
697												5
698												10
699												5
700												15
701												5
702												10
703												15
704												5
705												80
706												10
707												15
708												5
709												5
710												15
ESP79-711												5

WHITE DOME

CERTIFIED BY

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

SEP 7 1979

TO: Esperanza Explorations
1027-470 Granville St.,
Vancouver, B.C.

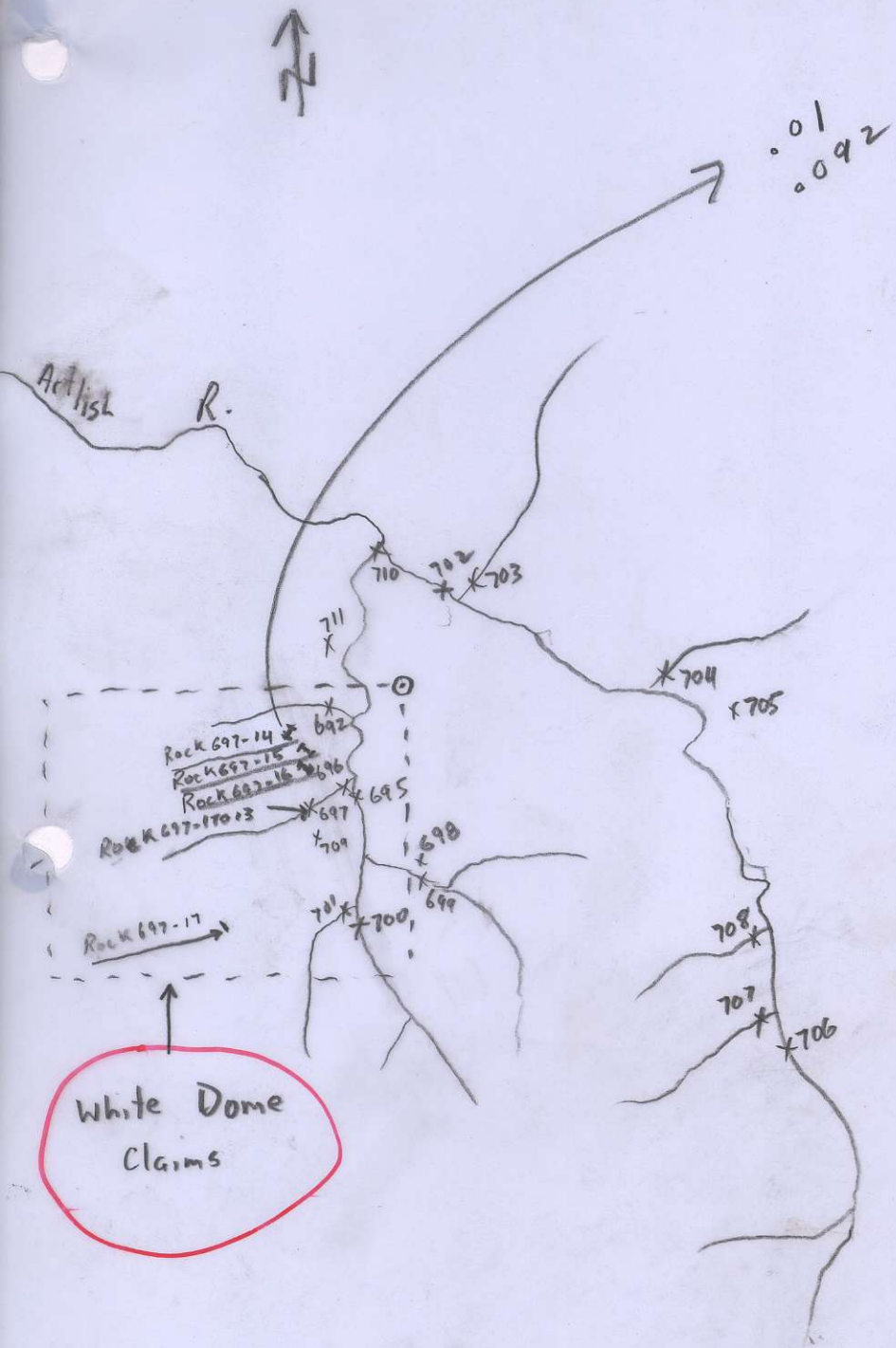
PROJECT No. Esperanza Heino
DATE Sept.6/79.
File No. 9-586

SAMPLE No.	Ni %	Ag oz/ton	Au oz/ton	Cu %
ESP79-697-1	.008	.10	.023	.261
2	.002	.09	.020	.294
3	---	.07	.001	---
4	---	.06	.001	---
5	---	.03	.001	---
6	---	.03	.002	---
7	---	.03	.001	---
8	.001	.09	.004	.139
9	.001	.09	.003	.064
10	.002	.08	.002	.032
11	---	.08	.002	---
12	---	.09	.148 ✓	---
13	.002	.09	.007 ✓	.142
14	---	.07	.010	---
15	.007	.10	.092	.020
16	---	.09	.002	---
ESP79-697-17	.003	.11	.001	.131
ESP79-688-5	---	.06	.001	---
6	---	.07	.002	---
ESP79-688-7	---	.10	.001	---

WHITE DOWN
NO COPY IN MASTER FILE

MIN-EN Laboratories Ltd.

CERTIFIED BY .....

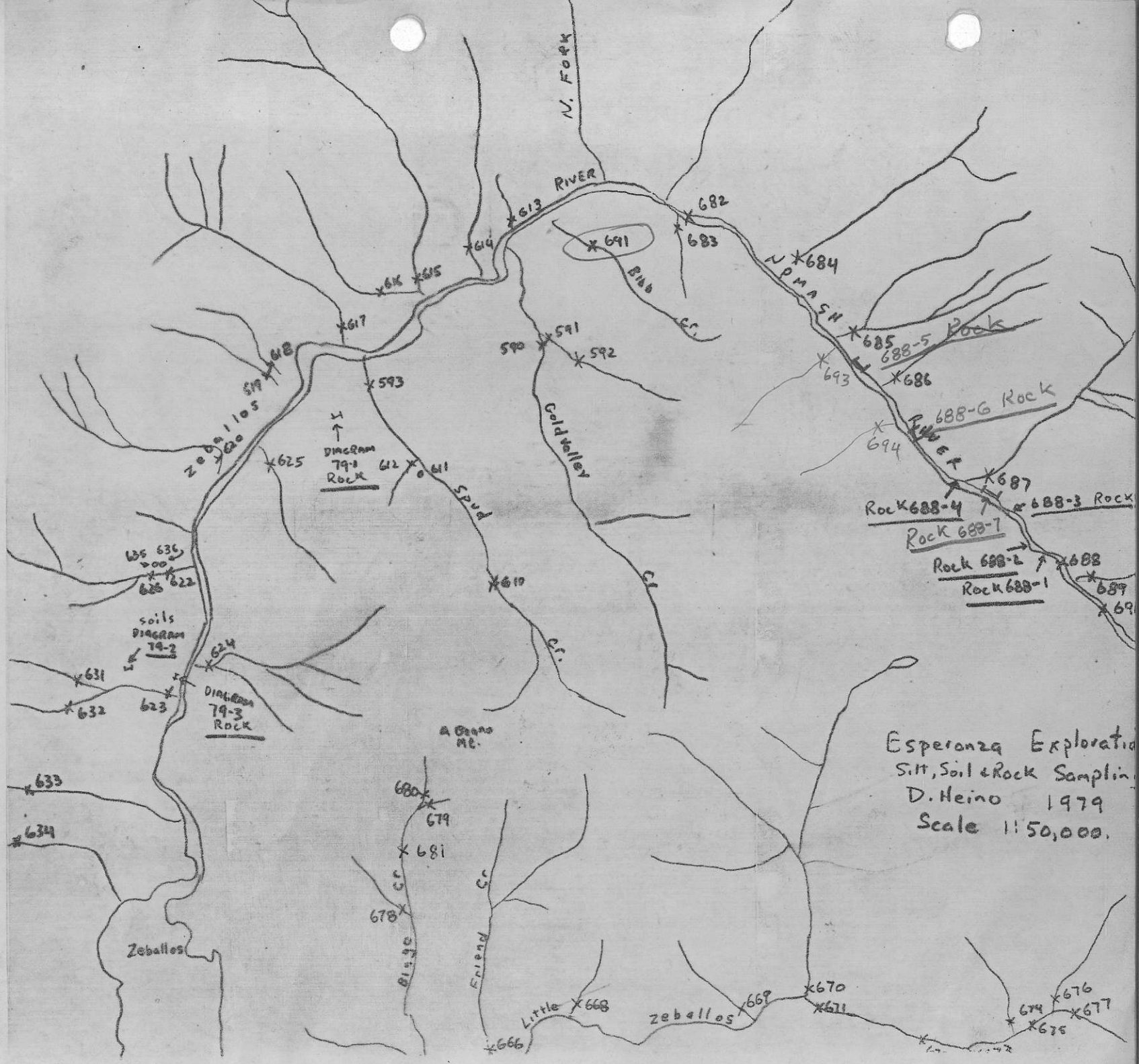


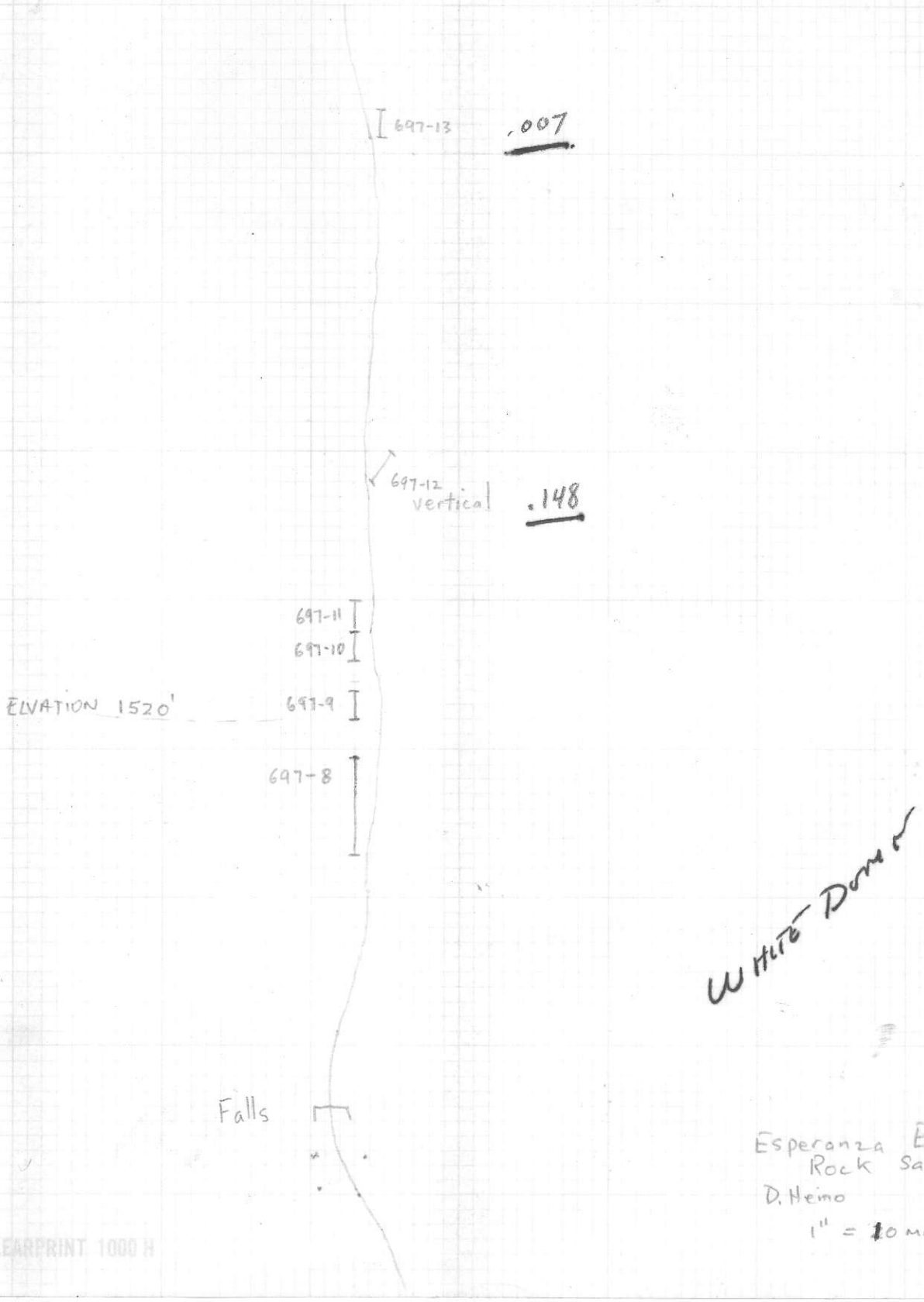
92L/2
location plotted
on BC wall
map

Esperanza Exploration
Silt & Rock Sampling
D. Heino 1979

Location plotted on BC wall map.

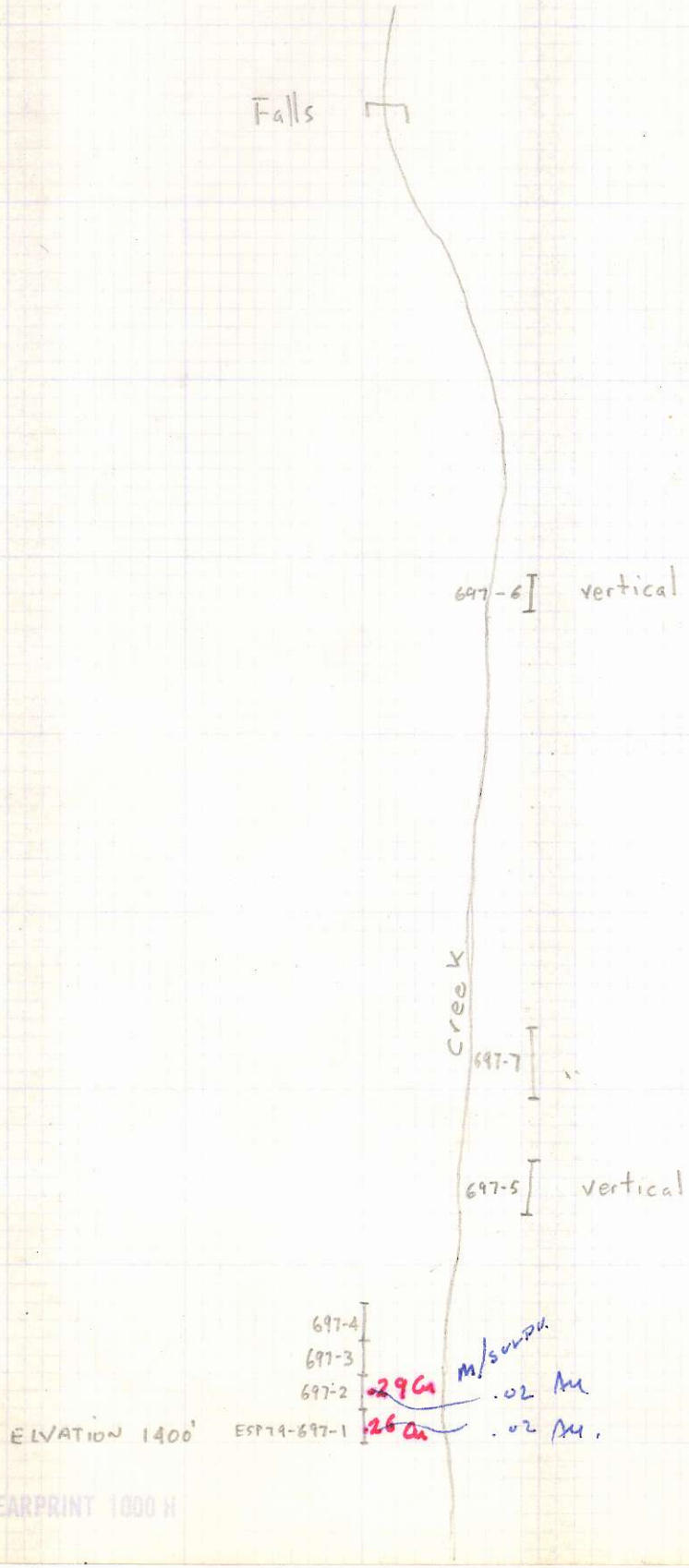
92L/2





Esperanza Exploration Ltd.
Rock Samples
D. Heino 1979
1" = 10 metres

PRINTED ON CLEARPRINT 1000 H



WHITE DOME

Esperanza EXPLORATION LTD.
Rock samples.
D. Heino 1979
1" = 10 metres

PRINTED ON CLEARPRINT 1000 H

Esperanza Exploration

Warn Bay Tofino August 30 to Sept 7/79

Camp was set up a the mouth of Bulson cr. Silt sampling was done of Bedwell Sound, Warn Bay to Tranquil inlet. The Freegold showing was examined but this showing if it was the one, was cofined to a narrow quartz vien 2" to 3" wide with no visible mineralization. The Moscena property on Bulson cr. was examined, it consisted of a adit with 2 x-cuts on two separate viens, these viens pinched & swelled to a minimun of 6" to a maximun of 3'. Grab samples were taken at the farthest & closest x-cut on the last rounds taken. These were quartz viens mineralized with pyrite & pyrrhotite with in a intrusive stock. These showing will be of no farther interest if the assay show no gold.

MEM-EN 9-722 OCT 5/79.

Yours truly
[illegible]

28234 Moscena. 6' drift round furtest face in adit. grab muckpile. .031

28235 Moscena. 6' drift round closest round in adit, grab muckpile. .022.

VEINO SLF 5/79

John S. Brock

TOFINO — WARRON BAY.

- not much min in creeks.

needs data

- STARLIGHT
- BCDM — 1895

page 653 (1)

LW 57 Pos veins.
fairly obscure.

(2) TAYLOR RIVER

MORNING SHOW.

QTZ veins 1-6" wide
3½ mile H of Sproat Lk
Lode Gold dist of BC. pg 133

WELCOME NORTH MINES LTD. (N.P.L.)
1027-470 Granville St., Vancouver, B.C. V6C 1V5 Telephone (604) 687-1658

September 10th, 1979.

David Heino,
General Delivery,
Port Alberni, B.C.

Dear Dave:

Re: Esperanza Explorations Project

As discussed, I am enclosing information on the Morning and Starlight prospects and surrounding areas. The Starlight obviously requires further work. The Morning is currently staked but should be examined while you are in the area.

Yours truly,
WELCOME NORTH MINES LTD.

John S. Brock
President.

JSB:iw
Encls: See copy. Assays attached.

Hemo

Sept 11/79

- attend int a vole on road py. - STARLIGHT MGR.

- 92F - STARLIGHT.

- truck breaking down.

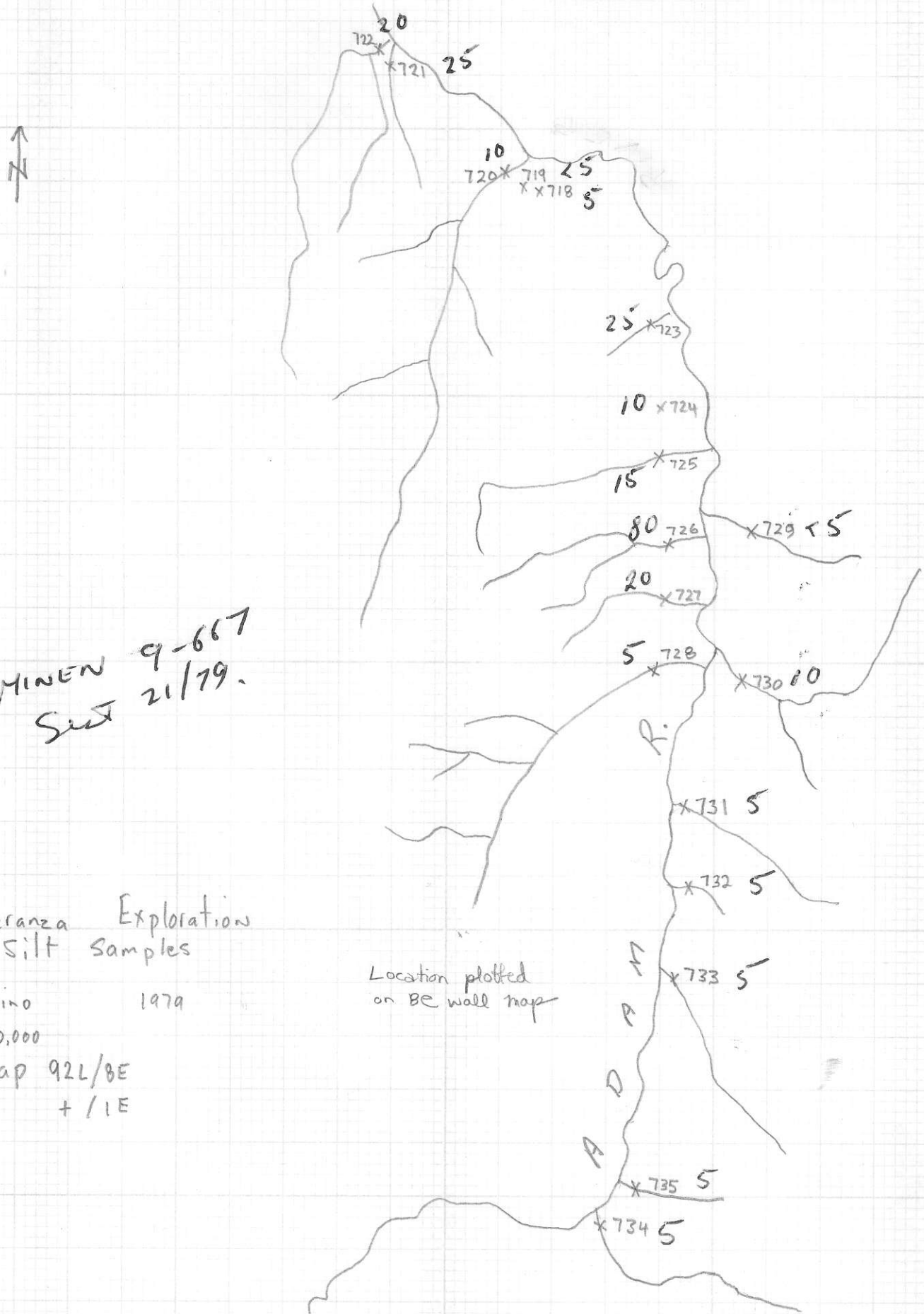
Sept 14 11:30 PM.

- located apparent free gold in py in old vole.
  MACBLO Road cut + quarry - MACBLO using for road fill.
- stoking to start Sept 15th 20 claims units.

Esperanza Exploration

Adams River August 28 to 29/79

A short silt sampling program was carried out on Adam River to see if any high gold values would be obtained. The area sampled is supposedly in a ~~old~~ gold belt. Very little mineralization was observed in the area.



MINEN 9-667
Sent 21/79.

Esperanza Exploration
Silt Samples

D. Heino 1979
1:50,000
map 92L/8E
+ /1E

Location plotted
on BC wall map

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project ..... Date of report Sept.21/79.

File No. 9-667 Date samples received Sept.17/79.

Samples submitted by: .....

Company: Esperanza Expl.

Report on: 98 soils Geochem samples

13 Assay samples

Copies sent to:

1. Esperanza Explorations, Vancouver, B.C.
2. .....
3. .....

Samples: Sieved to mesh -40 soil Ground to mesh -100 assays

Prepared samples stored ☒ discarded ☐

rejects ass. stored ☒ discarded ☒ geochem

Methods of analysis: Geochem-Au -Aqua Regia. A.A. Analysis.

Assays-Acid digestion-chemical analysis.

Remarks: .....

COMPANY Esperanza Expl.

PROJECT No.:

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 9-667

DATE: Sept. 21, 1979.

40 MESH

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	
ESP79-712												175	
713												<5	
714												5	
715												<5	Zebulon Creek
716												<5	
717												<5	NO MAP
718												5	
719												<5	
720												10	~~ADAMS RIVER~~
721												25	
722												20	
723												25	
724												10	
725												15	
726												80	
727												20	~~NO MAP~~
728												5	
729												<5	
730												10	
731												5	
732												5	
733												5	
734												5	
735												5	
736												20	
737												5	
738										92F4		5	
739												5	
740												10	
ESP79-741												15	

ADAMS RIVER AREA AUG 1/79

CERTIFIED BY

COMPANY Esperanza Expl.

PROJECT No.:

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

40 MESH

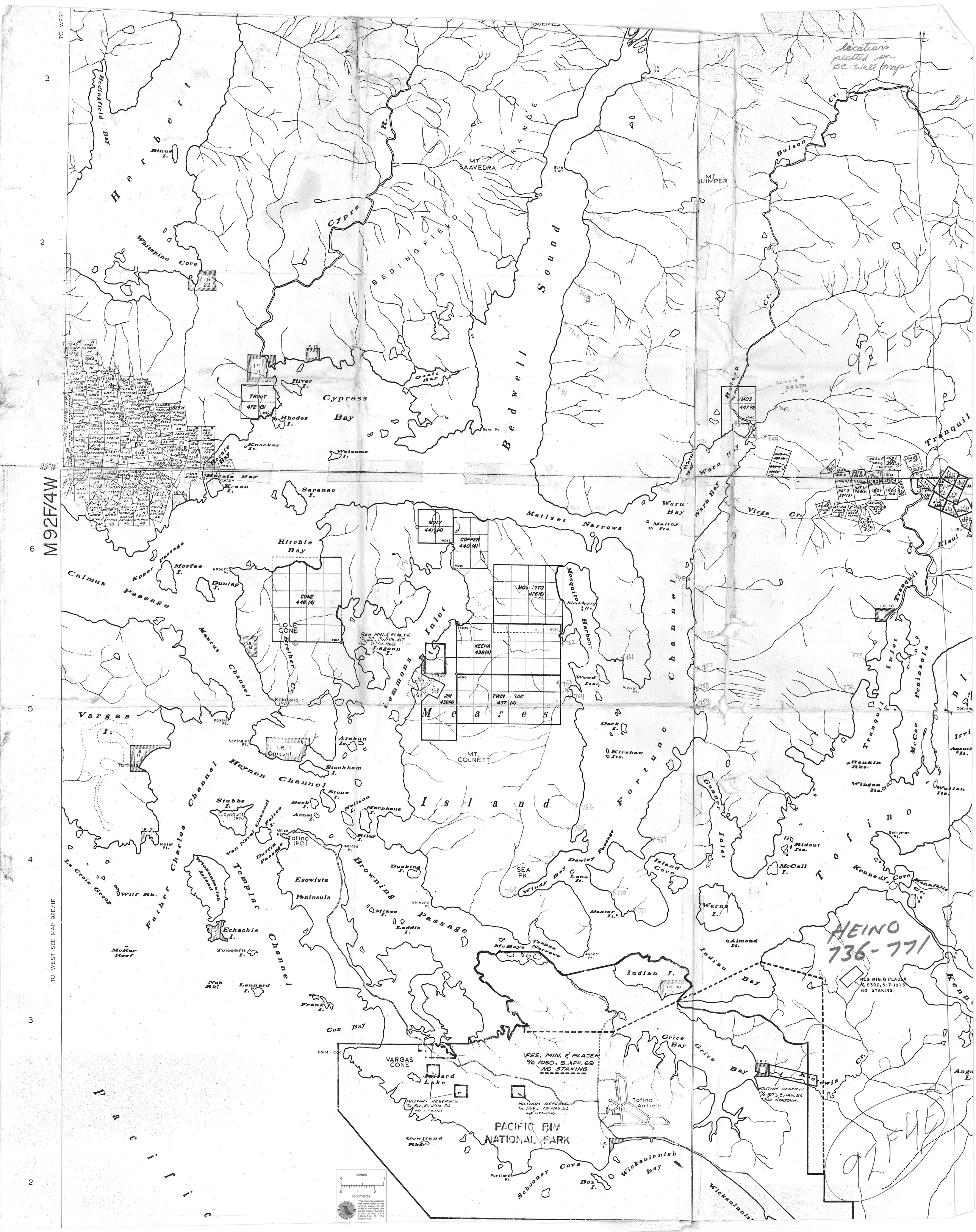
FILE No. 9-667

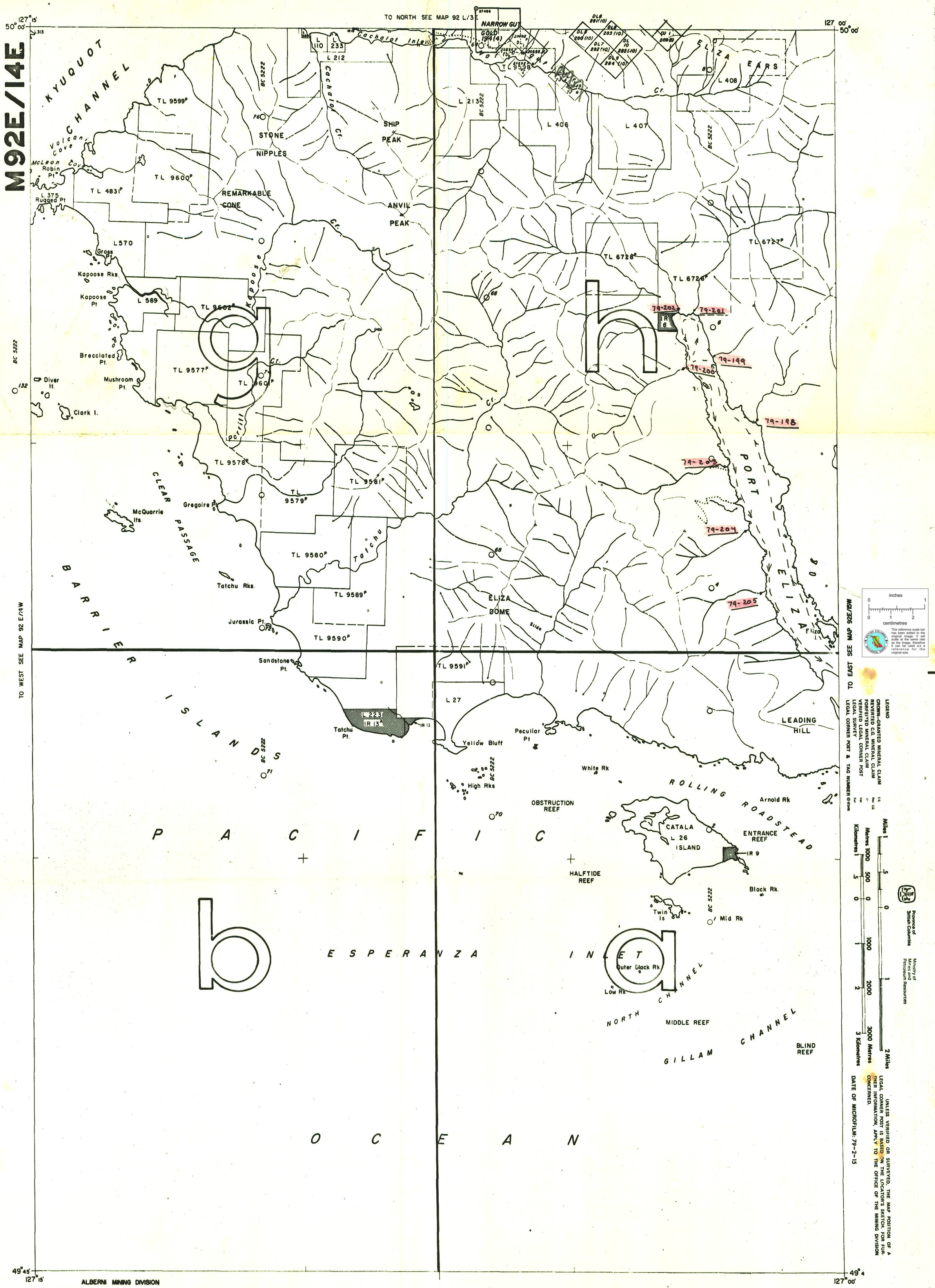
DATE: Sept.21 1979.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-742							•					<5
743							•					<5
744							•					<5
745							•					<5
746							•					5
747							•					5
748							•					5
750							•					5
751							•					10
752							•					10
753							•					5
754							•					5
755							•					10
756							•					<5
757							•					5
758							•					5
759							•					5
760							•					5
761							•					10
762							•					5
763							•					10
764							•					5
765							•					5
766							•					10
767							•					5
768							•					<5
769							•					5
770							•					5
771							•					5
ESP79-772							•					<5

92 1=4

CERTIFIED BY


TO WEST
M92F/4W
TO WEST SEE MAP 92E/1E
Herbert
Bedingfield Bay
Binns I.
Whitepine Cove
I.R. 22
Cypre R.
BEDINGFIELD RANGE
MT. SAAVEDRA
Bare Bluff
MT. QUIMPER
Bulson Cr.
Bedwell Sound
Quait Bay
I.R. 20
I.R. 19
TROUT 472 (5)
River I.
Cypress Bay
Rhodes I.
Knocker It.
Welcome I.
Rant Pt.
Hecate Bay
Kraan I.
Saranac I.
MOS 447 (4)
Warn Bay
Virge Cr.
Tranquil Inlet
Elsul Cr.
Matlset Narrows
Maltby Its.
MOLY 441 (4)
COPPER 440 (4)
Ritchie Bay
Calmus Passage
Epper Passage
Morfee I.
Robert Pt.
Dunlap I.
CONE 446 (4)
LONE CONE
Maurus Channel
Brother Cr.
MOSQUITO 476 (6)
Mosquito Harbour
Blackberry Its.
RES. MIN. & PLACER % 22, 3.JAN.67 NO STAKING
Lemmens Inlet
Lagoon I.
KEEHA 438 (4)
JIM 439 (4)
TWIN PEAK 437 (4)
Meares Island
MT. COLNETT
Wood Its.
Plover Pt.
Dark I.
Kirshaw Its.
Fortune Channel
Kakawis (P.O.)
Vargas I.
Rassier Pt.
Schindler Pt.
I.R. 1 Opitsat
Arakun Its.
Stockham I.
Yarksis
I.R. 11
Heynen Channel
Stubbs I.
Clayoquot (P.O.)
Beck I.
Arnet I.
Stone I.
Nellson I.
Morpheus I.
Riley I.
Van Nevel Channel
Folice I.
Grice Pt.
Tofino (P.O.)
Durfin Passage
Ilsatzes Pt.
Browning Passage
Ducking I.
Esowista Peninsula
Templar Channel
Wickaninnish Island
Father Charles
Le Croix Group
Wilf Rk.
I.R. 31
Moser Pt.
Echachis I.
I.R. 2
Tonquin I.
McKay Reef
Nob Rk.
Lennard I.
Frank I.
Cox Bay
Point Cox
Mikes I.
Ginnard Pt.
Laddie I.
SEA PK.
Windy Bay
Dawley Passage
Lane It.
Baxter It.
Island Cove
McBeys Narrows
Tsapee Narrows
Auseth Pt.
Indian I.
I.R. 10
Indian Bay
Warne I.
Almond It.
McCall I.
Ridout Its.
Berryman Pt.
Kennedy Cove
Kennedy Cr.
I.R. 5
Tofino Inlet
Rankin Rks.
Winson Its.
Wollan Its.
McCaw Peninsula
Corning Pt.
Irving Inlet
Grice Bay
Grice Cr.
I.R. 4
Kootowis Cr.
MILITARY RESERVE % 50, 8.JAN.54 NO STAKING
RES. MIN. & PLACER % 2300, 5-7-1973 NO STAKING
HEINO 736-771
92F/4E
RES. MIN. & PLACER % 1050, 9.APR.69 NO STAKING
VARGAS CONE
Fortard Lake
MILITARY RESERVE % 50, 8.JAN.54 NO STAKING
MILITARY RESERVE % 1169, 19.MAY.52 NO STAKING
Tofino Airfield
PACIFIC RIM NATIONAL PARK
Gowland Rks.
I.R. 3
Portland Pt.
Schooner Cove
Box I.
Wickaninnish Bay
Wickaninnish
Pacific
inches
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.


M92E/14E
TO NORTH SEE MAP 92 L/3 E
TO WEST SEE MAP 92 E/14W
TO EAST SEE MAP 92E/15W
127°15'
50°00'
127°00'
49°45'
49°4
KYUQUOT CHANNEL
Volcano Cove
McLean Cove
Robin Pt
Rugged Pt
Gross Pt
Kapoose Rks
Kapoose Pt
Brecciated Pt
Diver It.
Mushroom Pt.
Clark I.
CLEAR PASSAGE
McQuarrie Its.
Gregoire Pt
Tatchu Rks.
Jurassic Pt.
Sandstone Pt.
Tatchu Pt.
BARRIER ISLANDS
PACIFIC OCEAN
ESPERANZA INLET
Outer Black Rk.
Low Rk
NORTH CHANNEL
MIDDLE REEF
GILLAM CHANNEL
BLIND REEF
LEADING HILL
ELIZA DOME
Eliza I.
PORT ELIZA
ROLLING ROADSTEAD
Arnold Rk
ENTRANCE REEF
CATALA ISLAND
L 26
IR 9
Black Rk.
Mid Rk
Twin Is
HALFTIDE REEF
OBSTRUCTION REEF
High Rks
White Rk
Yellow Bluff
Peculiar Pt
L 27
L 223
IR 13
Cachalot Inlet
Cachalot Cr.
STONE NIPPLES
SHIP PEAK
REMARKABLE CONE
ANVIL PEAK
Kapoose Cr.
Porrill Cr.
Tatchu Cr.
Eliza Cr.
Slide
NARROW GUT
GOLD 194(4)
L 212
L 213
L 406
L 407
L 408
L 570
L 569
L 375
L 313
TL 9599P
TL 9600P
TL 4831P
TL 9602P
TL 9577P
TL 9601P
TL 9578P
TL 9579P
TL 9581P
TL 9580P
TL 9589P
TL 9590P
TL 9591P
TL 6728P
TL 6726P
TL 6727P
TL 9595P
79-202
79-201
79-199
79-200
79-198
79-203
79-204
79-205
BC 5222
inches
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.
LEGEND
CROWN-GRANTED MINERAL CLAIM
REVERTED C.G. MINERAL CLAIM
FORFEITED MINERAL CLAIM
VERIFIED LEGAL CORNER POST
LEGAL SURVEY
LEGAL CORNER POST & TAG NUMBER
Miles
Metres
Kilometres
Province of British Columbia
Ministry of Mines and Petroleum Resources
UNLESS VERIFIED OR SURVEYED, THE MAP POSITION OF A LEGAL CORNER POST IS BASED ON THE LOCATOR'S SKETCH. FOR FURTHER INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION CONCERNED.
DATE OF MICROFILM: 79-2-15
ALBERNI MINING DIVISION
International Boundary
Provincial Boundary
Mining Division Boundary
Bridge
Tunnel
Power Transmission Line
DEPARTMENT OF MINES AND PETROLEUM RESOURCES

Province of British Columbia

Ministry of Mines and Petroleum Resources

LEGEND

CROWN-GRANTED MINERAL CLAIM	C.G.
REVERTED C.G. MINERAL CLAIM	Rev. C.G.
FORFEITED MINERAL CLAIM	✓
VERIFIED LEGAL CORNER POST	Vlc
LEGAL SURVEY	Sur.
LEGAL CORNER POST & TAG NUMBER	⊙12345

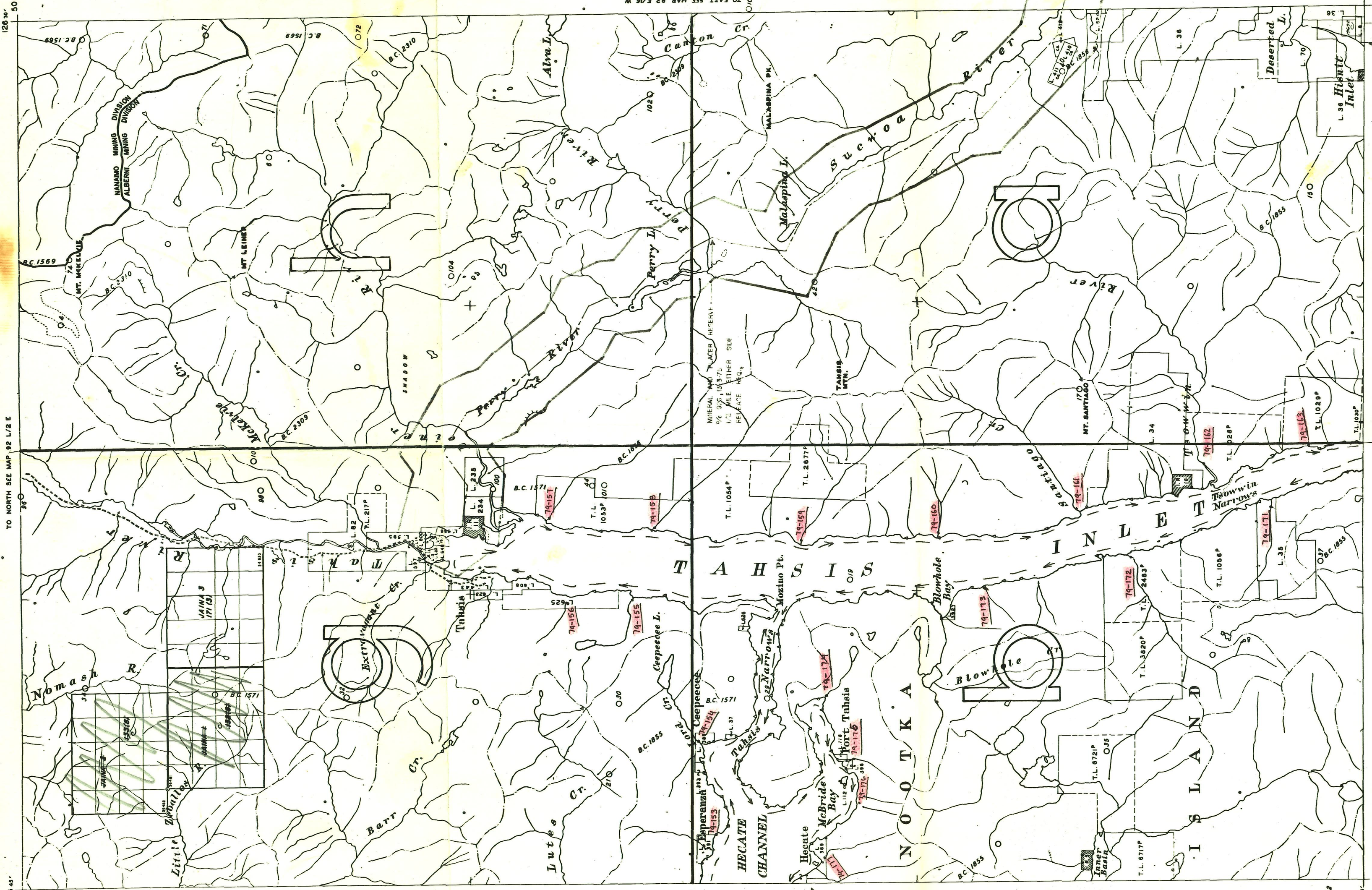
Miles 1 .5 0 1 2 Miles

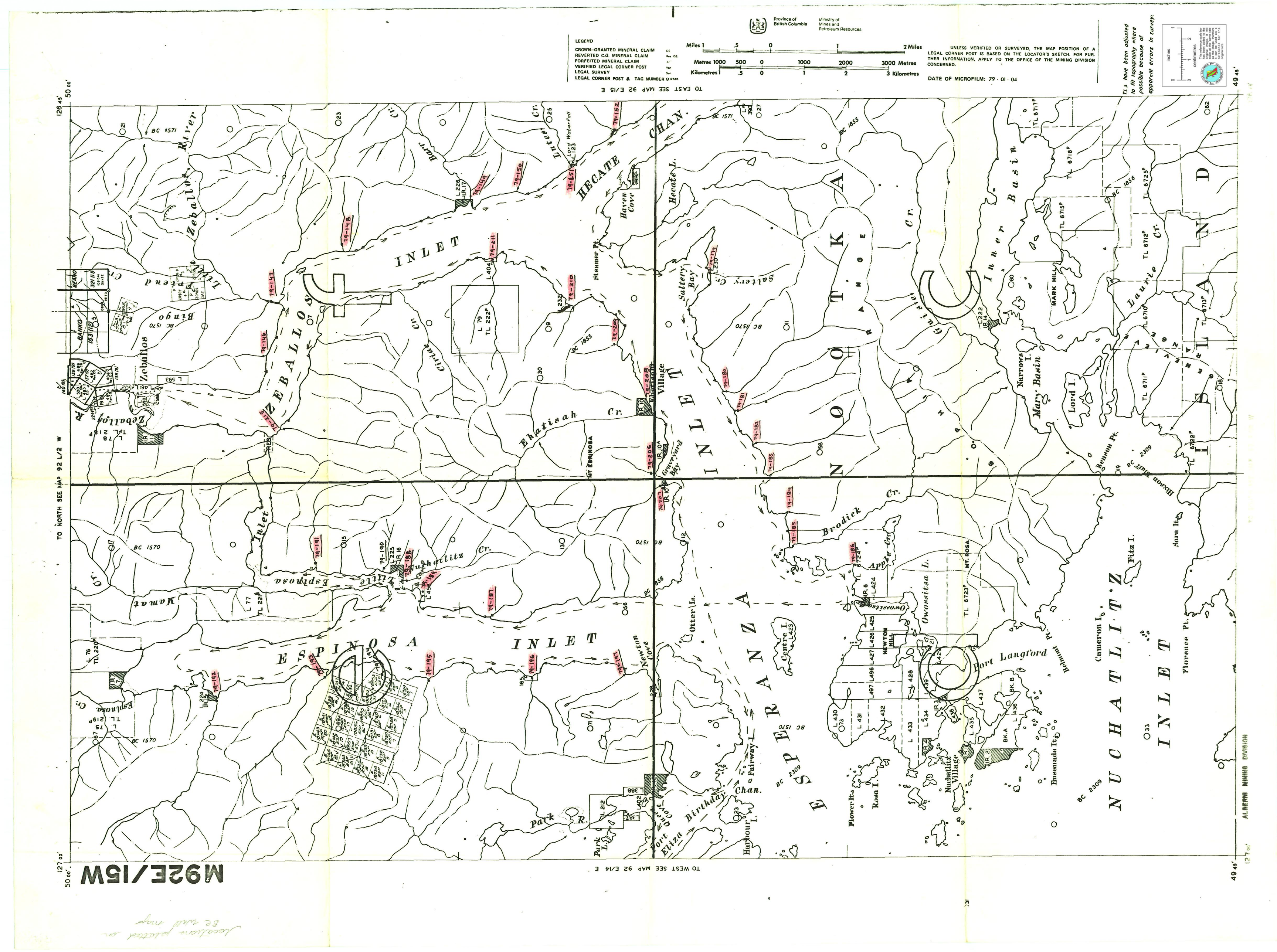
Metres 1000 500 0 1000 2000 3000 Metres

Kilometres 1 .5 0 1 2 3 Kilometres

UNLESS VERIFIED OR SURVEYED, THE MAP POSITION OF A LEGAL CORNER POST IS BASED ON THE LOCATOR'S SKETCH. FOR FURTHER INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION CONCERNED.

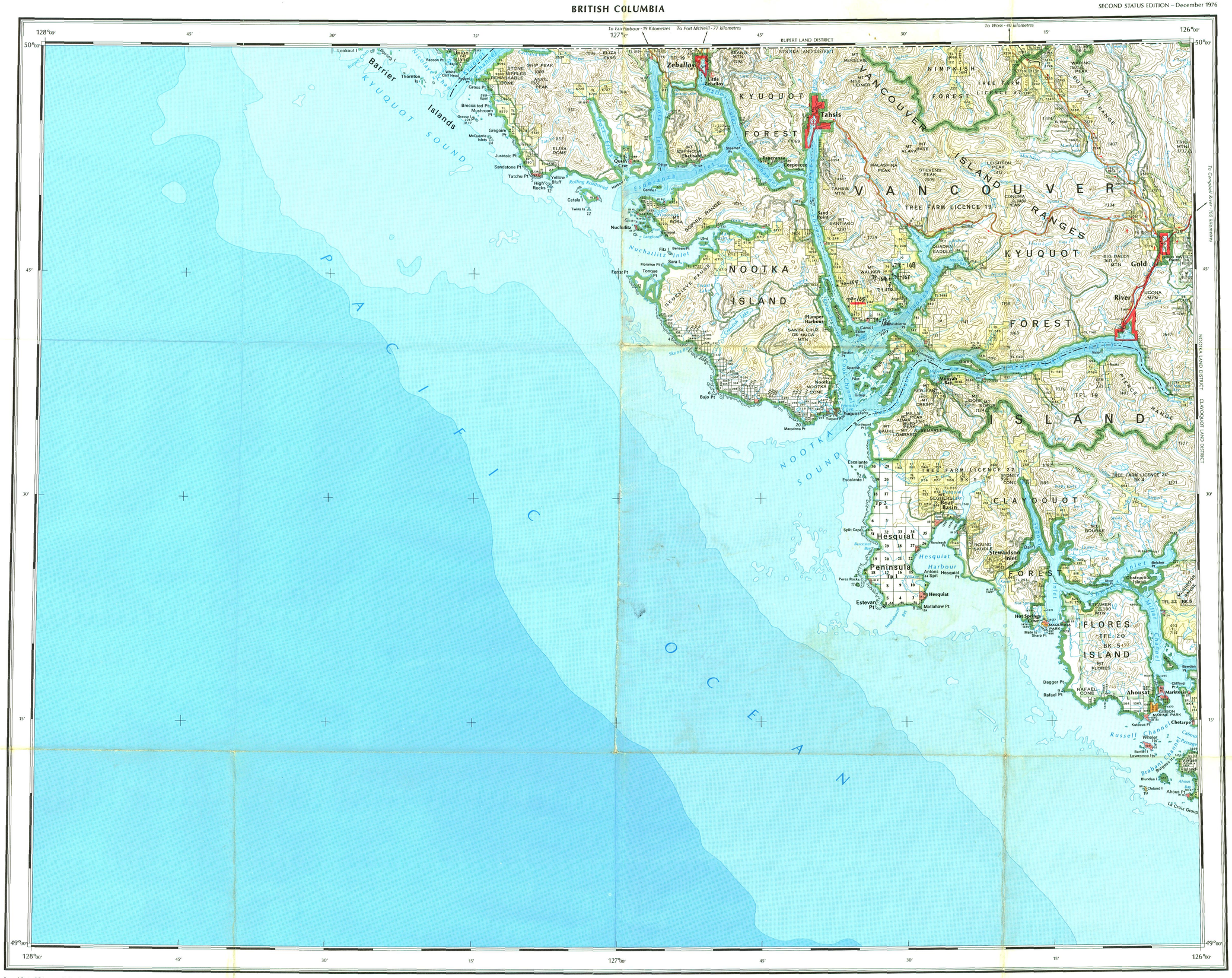
DATE OF MICROFILM: 78-11-23




Province of British Columbia
Ministry of Mines and Petroleum Resources
LEGEND
CROWN-GRANTED MINERAL CLAIM
REVERTED C.G. MINERAL CLAIM
FORFEITED MINERAL CLAIM
VERIFIED LEGAL CORNER POST
LEGAL SURVEY
LEGAL CORNER POST & TAG NUMBER
Miles 1 .5 0 1 2 Miles
Metres 1000 500 0 1000 2000 3000 Metres
Kilometres 1 .5 0 1 2 3 Kilometres
UNLESS VERIFIED OR SURVEYED, THE MAP POSITION OF A LEGAL CORNER POST IS BASED ON THE LOCATOR'S SKETCH. FOR FURTHER INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION CONCERNED.
DATE OF MICROFILM: 79 - 01 - 04
TLs have been adjusted to fit topography where possible because of apparent errors in survey.
TO EAST SEE MAP 92 E/15 E
TO NORTH SEE MAP 92 L/2 W
TO WEST SEE MAP 92 E/14 E
M92E/15W
ALBERNI MINING DIVISION
HECATE CHAN.
ZEBALLOS INLET
ESPINOSA INLET
NOOTKA SOUND
ESPERANZA INLET
NUCHATLITZ INLET
Zeballos River
Ehatisah Cr.
Espinosa Inlet
Nuchatlitz Cr.
Hecate L.
Saltery Bay
Gulf Range
Inner Basin
Mary Basin
Narrows I.
Lord I.
Mark Hill
Laurie Cr.
Brodick Cr.
Apple Cr.
Owossitsa L.
Mt. Rosa
Newton Hill
Port Langford
Otter Is.
Centre I.
Newton Cove
Park R.
Park L.
Port Eliza
Birthday Chan.
Harbour I.
Fairway I.
Flower Is.
Rosa I.
Nuchatlitz Village
Emerald Is.
Cameron I.
Fitz I.
Sara Is.
Florence Pt.
Hickson Bluff
Hutton Pt.
Hanson Pt.
Gruewyard Bay
Mt. Ebenoza
Steamer Pt.
Haven Cove
Lord Waterfall
Village
Zeballos R.
Zeballos Cr.
Bingo Cr.
Hamat Cr.
Espinosa Cr.
Citlak Cr.
Barr Cr.
Tlupana Cr.
Tlupana Cove
Inlet Cr.
Espinosa Inlet
Nuchatlitz Cr.
Apple Cr.
Brodick Cr.
Laurie Cr.
Inner Basin
Gulf Range
Saltery Cr.
Hecate L.
Lord Waterfall
Steamer Pt.
Haven Cove
Mt. Ebenoza
Gruewyard Bay
Village
Zeballos R.
Zeballos Cr.
Bingo Cr.
Hamat Cr.
Espinosa Cr.
Citlak Cr.
Barr Cr.
Tlupana Cr.

BRITISH COLUMBIA

NTS MAP 92 E
SECOND STATUS EDITION – December 1976


128°00'
127°00'
126°00'
50°00'
49°00'
To Fair Harbour - 19 Kilometres
To Port McNeill - 77 kilometres
To Woss - 40 kilometres
To Campbell River - 100 Kilometres
RUPERT LAND DISTRICT
NOOTKA LAND DISTRICT
CLAYOQUOT LAND DISTRICT
Barrier Islands
KYUQUOT SOUND
PACIFIC OCEAN
NOOTKA SOUND
KYUQUOT FOREST
VANCOUVER ISLAND
NOOTKA ISLAND
KYUQUOT FOREST
CLAYOQUOT FOREST
FLORES ISLAND
Zeballos
Little Zeballos
Tahsis
Gold River
Hesquiat Peninsula
Hesquiat Harbour
Ahousat
Marktosis
Chetarpe
Stewardson Inlet
Plumper Harbour
Nootka
Yuquot
Escalante Pt
Russell Channel
Brabant Channel
Calmus Passage
Ahous Bay
Lb Croix Group
Tree Farm Licence 19
Tree Farm Licence 20
Tree Farm Licence 22
TFL 19
TFL 20
TFL 22
BK 5
Nuchatlitz Inlet
Esperanza Inlet
Tlupana Inlet
Muchalat Inlet
Tlupana Arm
Nootka Sound
Clayoquot Sound
Hesquiat Harbour
Matlahaw Pt
Estevan Pt
Perez Rocks
Split Cape
Dagger Pt
Rafael Pt
Kutcous Pt
Bajo Pt
Maquinna Pt
Ferrer Pt
Tonque Pt
Florance Pt
Sara I
Fitz Benson Pt
Nuchatlitz
Catala I
Twins Is
Yellow Bluff
High Rocks
Tatchu Pt
Sandstone Pt
Jurassic Pt
Gregoire Pt
McQuarrie Islets
Mushroom Pt
Breccaited Pt
Gross Pt
Thornton Is
Lookout I
Union Island
Spring I
Quen Cave
Otter I
Steamer Pt
Escarpment Pt
Geepeece
Sand Point
Boston Pt
Spanish Pt
Pilot
Gibson
Burdwood Pt
Escalante
Boat Basin
Sechelt
Round Saddle
Darrell
Obstruction Islands
Belcher Pt
Bowden Pt
Clifford Pt
Whaler Is
Bartlet I
Lawrence Is
Burgess Is
Blunden I
Cleland I
Ahous Pt
Gibson Marine Park
Rafael Cone
Mt Flores
Hot Springs
Maquinna Park
Sharp Pt
Mars Is
Steamer Pt
Mt Bourke
Mt Sydney Cone
Mt Walker
Mt Sartiago
Mt Rosa
Mt Esmond
Mt Alava
Mt McKelvie
Mt Leiner
Mt Gate
Mt Sergeant
Mt Crespi
Mt Gore
Mt Rodos
Mt Mills
Mt Baukie-Lombard
Mt Bedard
Mt Sutton
Mt Waring
Mt Tahsis
Malaspina Peak
Stevens Peak
Leighton Peak
Conuma Peak
Quadra Saddle
Big Bailey Mtn
Ucona Mtn
Santa Cruz de Guca Mtn
Elisa Dome
Anvil Rock Peak
Ship Peak
Stone Riffles Remarkable Iconic
Elisa Ears
Beano Mtn
Nimpkish Forest
Tree Farm Licence 37
Sutton Range
Pierce Range
Trio Mtn
Nootka Cone
Yuquot Pt
Maquinna Pt
Hesquiat Pt
Antons Spit
Hesquiat
Boat Basin
Sydney Cove
Stewardson Inlet
Obstruction Islands
Steamer Pt
Hot Springs Cove
Ahousat
Marktosis
Chetarpe
Gibson Marine Park
Russell Channel
Brabant Channel
Calmus Passage
Ahous Bay
Lb Croix Group
Gold River
Tahsis
Zeballos
Nootka
Yuquot
Hesquiat
Ahousat
Marktosis
Chetarpe
Gibson Marine Park
Rafael Cone
Mt Flores
Hot Springs Cove
Maquinna Park

Esperanza Exploration Ltd.

D. Heino Mayflower Group Sept 24 to Sept 27/79

Two days were spent prospecting a reported mineralized zone in quartz breccia, on the Mayflower (G.S.C. M. 335) This zone was traced about 1500 metres and is about 30 to 50 metres wide. Mineralization consisted mostly of pyrite and a little sphalerite. In places pyrite is abundant and other places it is not, weathering has taken place in spots which leaves rusty holes in the breccia. Some galena was found in a quartz vien S.E. of Chief Paul Cr. but is unimportant; also the country rock consists of shale and is mineralized with pyrite & very little sphalerite. Geology in this area is very complex and consist of schists, sediments, volcanics and porphyry all of which are mineralized to some degree with pyrite. Samples were taken at various points of the breccia zone to see if they hold any gold values. This area is very interesting from a gelogical point of view, and the breccia should be checked for radioactivity. This was done and none was found.

HEINO ASSAYS.

SEPT 24 - SEPT 27/79.

MAYFLOWER.

28232	Mayflower	ESP 79-811-8
31	✓	ESP 79-811-7.
30	✓	79-811-6.
29	✓	79-811-5
28	✓	79-811-2
27	✓	79-811-2.
26	✓	79-811-1

28243 MAYFLOWER - 79-811-4.

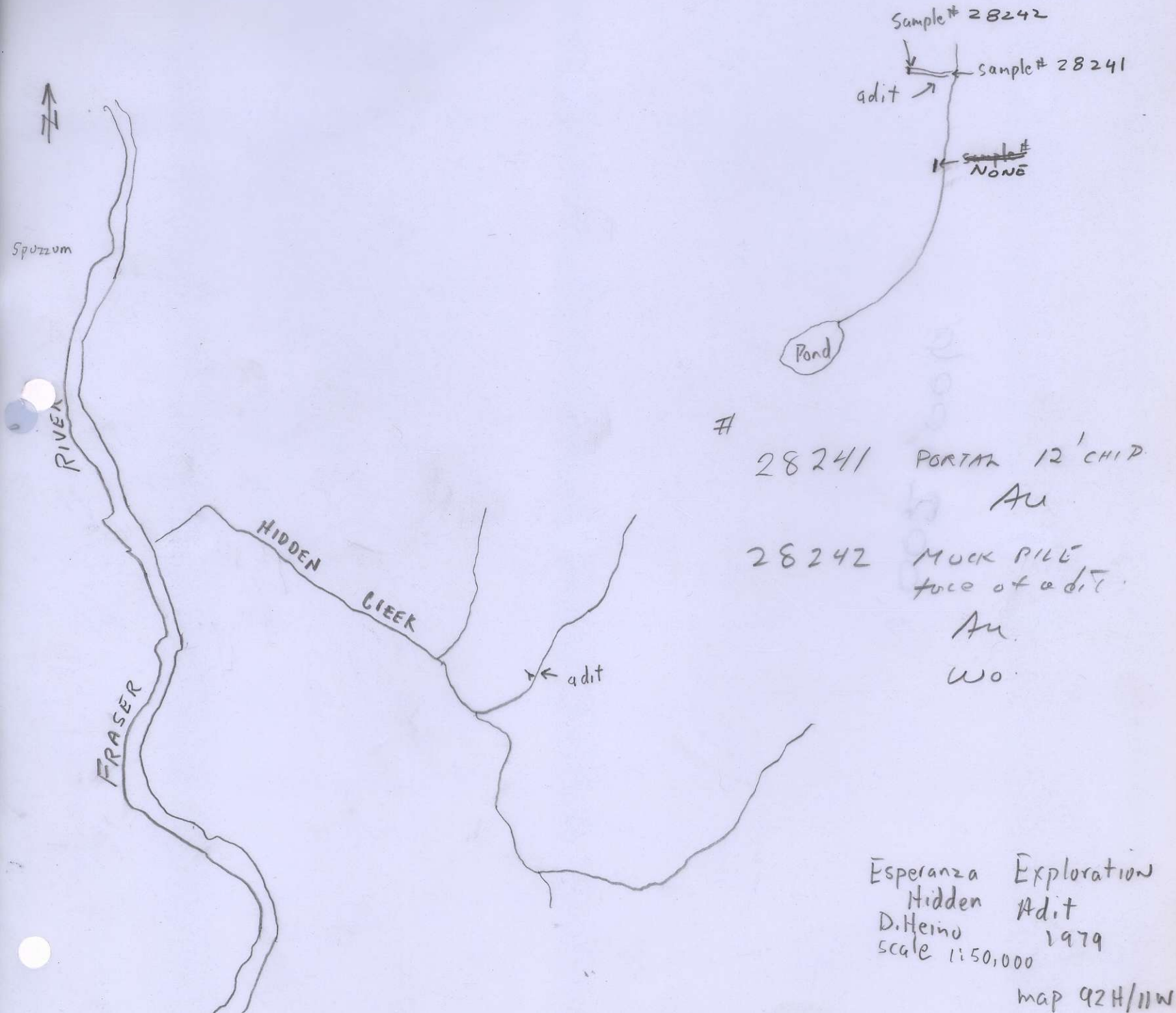
Esperanza Exploration

Hidden Creek. Sept 29 to Sept 30/79

This showing was previously found by the writer, a few years back. This showing was checked again because no gold assays were taken. While taking grab samples in the adit which is approximately 150' long, these were checked for scheelite at home. Some of the samples revealed highgrade scheelite, so a rechecked was made with the U-light of the entire adit; but unfortunately this failed to revealed any scheelite in significant amounts. This scheelite was confinded to bleds in small quartz stringer within a porphyry; which the mineralization was far & few inbetween. This porphyry is about 10' to 12' wide and is shot throught with quartz viens and the qtz is slighthly mineralized with arsenopyrite. The property will be of no farther interest if the assay show no Au.

Yours truly
Ian Hsing

plotted on BC Wall map.



#			
28241	PORTAL	12' CHIP	Au
28242	MUCK PILE face of adit		Au Wo

Esperanza Exploration
Hidden Adit
D. Heino 1979
scale 1:50,000

map 92H/11W

location
plotted on BC
wall map

Esperanza Exploration
Rock & Silt
Sampling

D. Heino 1979

• Rock Esp 79-811-1
etc

Map 92 G/16
1:50,000

Esperanza Exploration

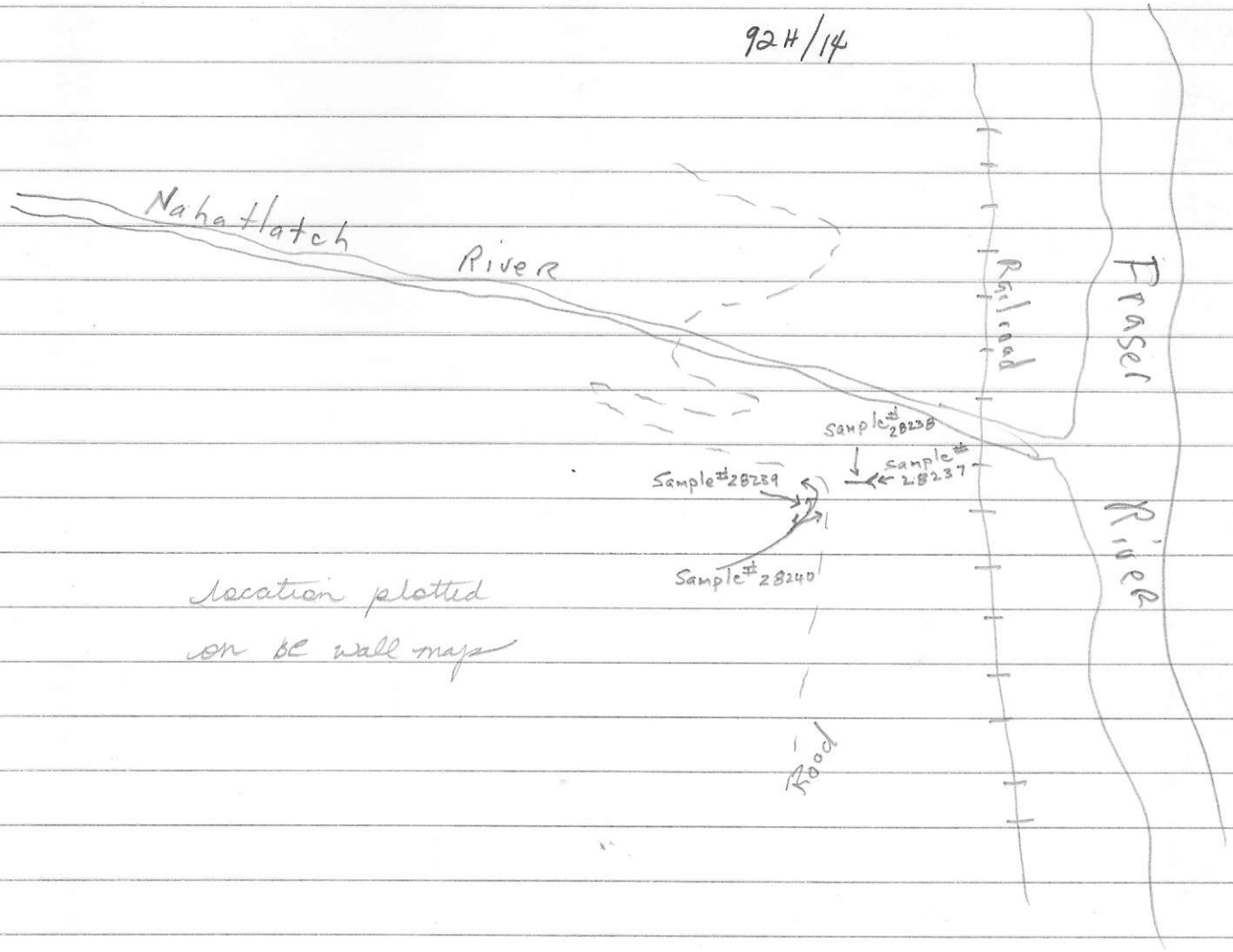
Nahatlatch River. Oct 2/79.

Nahatlatch River showing was examined for gold & silver. The mineralized area consisted of quartz viens & lens of approximately 200' x 100' in size within talc schist. Very little galena was found in the quartz with no other mineralization Within the centre of the zone there was a small area of siliceous shale which carried streaks of pyrite, both mineral zones were sampled for Au, & Ag. About 100' below the road showing there is a adit approximately 60' long the first 30' was in a quartz zone & the last 30' in talc schist, both these were sampled. The showing will be of no farther interest unless the assays are fairly high.

Yours truly

[illegible]

# 28240	Nahatlatch	quartz galena.	Au.
39	✓	sil shale & py.	Au.
37	✓	1st 30' adj.	Au.
38	✓	2nd 30' adj.	Au.



location plotted on BC wall map

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

Kleins

ANALYTICAL REPORT

Project ..... Date of report Oct.16/79.

File No. 9-753 Date samples received Oct.11/79.

Samples submitted by: .....

Company: Welcome North Mines

Report on: ..... Geochem samples

7 Assay samples

Copies sent to:

1. Welcome North Mines, Vancouver, B.C.
2. .....
3. .....

Samples: Sieved to mesh ..... Ground to mesh -100

Prepared samples stored ☒ discarded ☐

rejects stored ☒ discarded ☐

Methods of analysis: Acid digestion-chemical analysis.

Remarks: .....

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

TO: Welcome North Mines,
1027-470 Granville St.,
Vancouver, B.C.

PROJECT No.
DATE Oct.16/79.
File No. 9-753

SAMPLE No.	Au oz/ton	WO_3 %		
28237	.001			
38	.001			
39	.002	Nahatlatch		
40	.001			
41	.005	Hedden Creek - chip		
42	.007	.001	Hedden Creek - muck pile face of adit	
28243	.003	Mayflower		

Heim

MIN-EN Laboratories Ltd.

CERTIFIED BY

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project ..... Date of report Oct.16/79.

File No. 9-756 Date samples received Oct.11/79.

Samples submitted by: .....

Company: Welcome North Mines

Report on: ..... Geochem samples

..... 7 Assay samples

Copies sent to:

1. Welcome North Mines, Vancouver, B.C.
2. .....
3. .....

Samples: Sieved to mesh ..... Ground to mesh -100

Prepared samples stored ☒ discarded ☐

rejects stored ☒ discarded ☐

Methods of analysis: Acid digestion-chemical analysis.

Remarks: .....

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

TO: Welcome North Mines,
1027-470 Granville St.,
Vancouver, B.C.

PROJECT No.
DATE Oct.16/79.
File No. 9-756

SAMPLE No.	Ag oz/ton	Au oz/ton		
28244	.06	.001	Rampart	0-2 m
45	.08	.002	"	2-4 m
46	.07	.002	"	4-6 m
47	.04	.002	"	6-8 m
48	.05	.002	"	8-10 m
49	.08	.003	"	#6 w/side of ~~grab~~ el
28250	.07	.002	"	#7 e/side of el. grab samp. .2 m

w/side of el.

OLD NORMITA SHOW

MIN-EN Laboratories Ltd.

CERTIFIED BY

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project ..... Date of report Oct.16/79.

File No. 9-756 Date samples received Oct.11/79.

Samples submitted by: .....

Company: Esperanza Expl.

Report on: 31 soils Geochem samples

3 Assay samples

Copies sent to:

1. Esperanza Expl., Vancouver, B.C.
2. .....
3. .....

Samples: Sieved to mesh -80 Ground to mesh .....

Prepared samples stored ☒ discarded ☐

rejects stored ☐ discarded ☒

Methods of analysis: Aqua Regia. A.A.Analysis. (Geochem)

Assays-Acid digestion-chemical analysis.

Remarks: .....

SPECIALISTS IN MINERAL ENVIRONMENTS

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

No. 9-75

DATE: Oct. 1. 1979.

Sample. Number (6–86)	Mo ppm (10–90)	Cu ppm (15–95)	Pb ppm (20–100)	Zn ppm (25–105)	Ni ppm (30–110)	Co ppm (35–115)	Ag ppm (40–120)	Fe ppm (45–125)	Hg ppb (50–130)	As ppm (55–135)	Mn ppm (60–140)	Au ppb (65–145)	(70–150)	(75–155)	(80–160)
ESP79-841												10			

CERTIFIED BY

COMPANY: Esperanza Expl.

PROJECT No.:

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

No. 9-715

DATE: Oct. 16 1979.

Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
ESP79-811												10
812												10
813												25
814												30
815												135
816												75
817												90
818												45
819												20
820												25
821												5
822												155
823												<5
824												330
825												5
826												5
827												10
828												<5
829												5
830												10
831												<5
832												5
833												25
834												5
835												10
836												15
837												5
838												5
839												5
ESP79-840												5

CERTIFIED BY

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

Certificate of Assay

TO: Esperanza Explorations,
1027-470 Granville St.,
Vancouver, B.C.

PROJECT No.

DATE Oct.16/79.

File No. 9-756

SAMPLE No.	Ag oz/ton	Au oz/ton		
15777	.03	.002	Rampart #8 E S.de of Creek.	
78	.27	.002	/ #9 Cor Jr Hill top.	
15779	.09	.004	AL McKiannon E Anderson R.	
			HEINC	

MIN-EN Laboratories Ltd.

CERTIFIED BY

OCT 22/79

HEMO

Repeat locates - no colours
2 chips rock gossan

Panned around lake - some colours - 6 1/2 mibs along lake
∴ bottom bed near contact with lake.
- higher grades f.g. v.g.
∴ good possibility very fine grained.

Eastern Lake ~~Sent~~ 1/2 way up the W side
up to N end & around to E.
Appears bottom bed but poor exposure.

- lots of samples.
- if f. gold -
staked 4 claims -

good roots to East, old channel - folded over.

D. HOMO - .5 oz/ton in some rock.

CROIDON BABINE - Pb Zn Ag
← Amsgeol. roots but can't find
West stubborn prospects.
- Dave to follow-up.
- used to be high grade ~$4,000/ton.
→ no time to follow up.

DON DAVIDSON for AMAX. wanted shares for himself.

? location - N of BIG ONION.