

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 89.03.17

ASSESSMENT REPORT 17216

MINING DIVISION: Cariboo

PROPERTY: Alpha (Beta)  
LOCATION: LAT 54 58 16 LONG 123 47 02  
UTM 10 6091642 449818  
NTS 093J13W

CLAIM(S): Alpha 1-3, Beta 2, Beta 4

OPERATOR(S): Peters, E.S.

AUTHOR(S): Poloni, J.R.

REPORT YEAR: 1988, 36 Pages

COMMODITIES

SEARCHED FOR: Copper, Gold

GEOLOGICAL

SUMMARY: Upper Triassic Takla Group volcanics and sediments contain copper and gold in quartz veins and stringer zones.

WORK

DONE:

Geochemical

ROCK 20 sample(s) ;AG,AS,CU,PB,ZN,AU

SILT 26 sample(s) ;ME

SOIL 95 sample(s) ;AG,AS,CU,PB,ZN,AU

Map(s) - 1; Scale(s) - 1:10 000

LOG NO: 0322	RD
ACTION:	
FILE NO:	

Report on the  
Alpha and Beta Claims  
Salmon River Project  
54°55' North Latitude, 123°50' West Longitude

Cariboo Mining Division

British Columbia

on behalf of

E.S. Peters, Owner

FILMED

by

John R. Poloni, B.Sc., P.Eng.

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

February 13, 1988

17,216

John R. Poloni & Associates Ltd.  
1512B - 56th Street  
Delta, B.C.  
V4L 2A8

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MAR 17 1988  
M.R. # \_\_\_\_\_ \$ \_\_\_\_\_  
VANCOUVER, B.C.

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1.0 SUMMARY AND CONCLUSIONS

The Alpha - Beta claims cover Takla Group, Upper Triassic rocks composed of andesitic and basaltic flows, tuffs, breccia and agglomerate. The property is contiguous on the south and northeast, to the Windy Claims of Placer Developments where copper-gold mineralization, occurring in quartz carbonate stringers and veins, has been discovered.

A reconnaissance type program of prospecting, soil, rock, and silt geochemistry on the Alpha and Beta claims has met with positive encouragement with the highest gold response of 2250 PPb being obtained in a silt sample. Several other samples are considered as being anomalous, when compared to the general background results for the area.

Additional work as recommended is warranted on the claims.

## 2.0 INTRODUCTION

The Salmon River property owned by Mr. E.S. Peters consists of two groups of contiguous claims, the Alpha group of three claims (56 units) and the Beta group of four claims (76 units) for a total of 132 units.

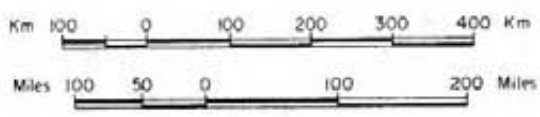
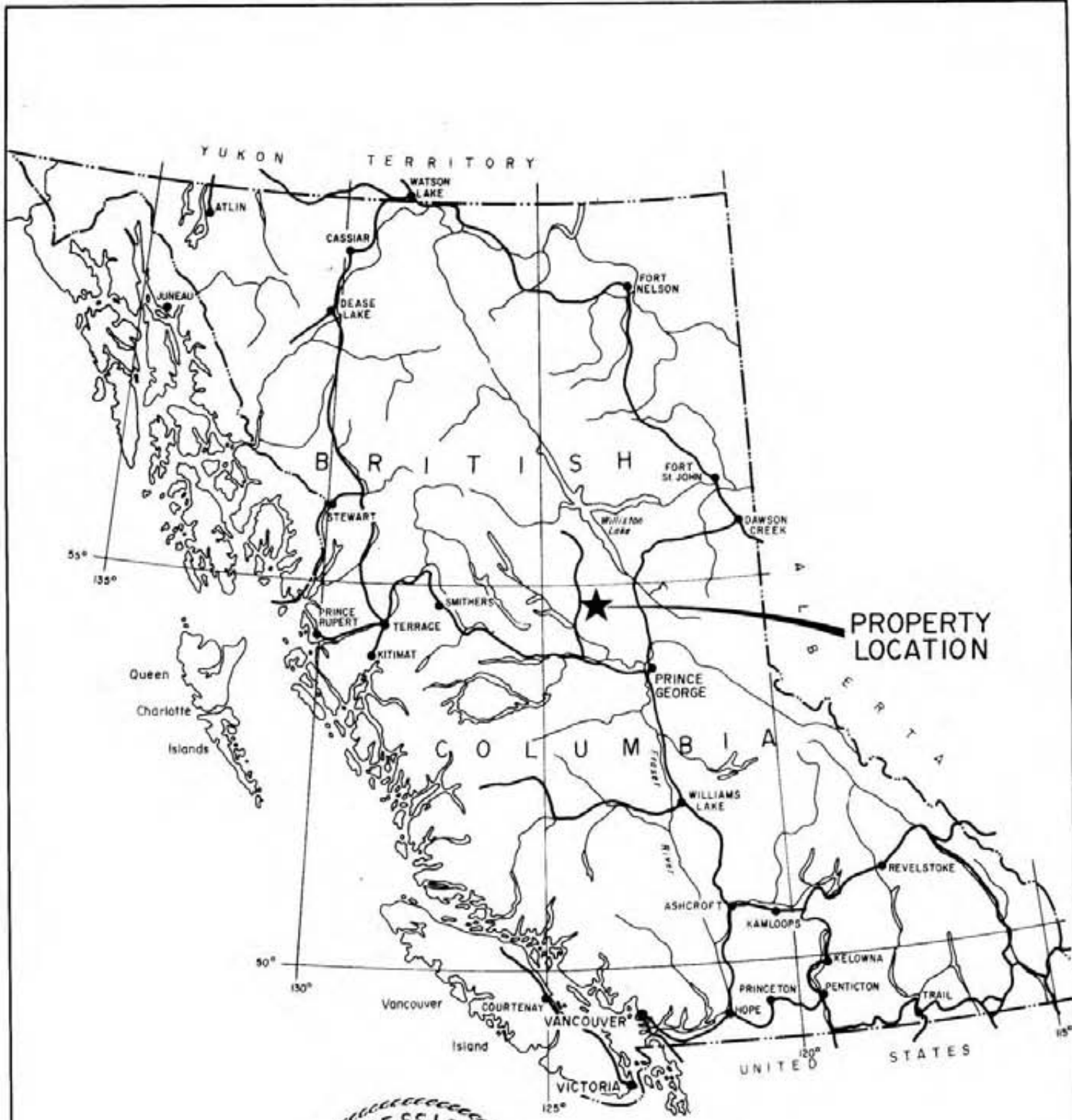
The property centered at approximately 50 kilometers north-northeasterly of Fort St. James in the Cariboo Mining Division of British Columbia, was located on the strength of recent gold-copper discoveries in the area. Noranda is continuing exploration on the Tas option to the west and Big Valley Resources Inc. - Casamiro Resources Joint Venture also to the west, reports encouraging gold soil and rock geochemistry.

In the immediate area Placer Developments is exploring the Windy claims where quartz calcite veins and stringers in volcanics are reported to contain encouraging copper gold responses with highs of 1.35% Cu and 0.106 Au oz/T.

The Alpha and Beta claims are located to the immediate north-east and south of the Windy claims.

Property Location Map

Plan No. 1



<b>SALMON RIVER PROJECT</b>		
<b>PROPERTY LOCATION MAP</b>		
CARIBOO MINING DIVISION, B.C.		
JOHN R. POLONI & ASSOCIATES LTD.		
Drawn: J.R.P.	Checked: J.R.P.	Plan No.
Scale: As shown	Date: Feb. 13, 1988	I

3.0 LOCATION AND ACCESSIBILITY

The property is centred at 50 kilometers north-northeasterly of Fort St. James in the Cariboo Mining Division of British Columbia. From Prince George, the nearest location of commercial air transport, Fort St. James is reached by travelling west to Vanderhoof on Highway 16 West, then northerly on paved Highway 27.

The property is situated about 22 kilometers east of the Fort St. James - Manson Creek road at about 60 kilometers north of Fort St. James. Access to the Beta claims is via logging road or helicopter from Fort St. James.

The claims are described as being centered at 54<sup>0</sup>55' North Latitude, 123<sup>0</sup>50' West Longitude.



#### 4.0 CLAIM INFORMATION

The Alpha and Beta claims are owned by Mr. E.S. Peters of Vancouver with claim location being completed in March 1987.

Claim data is as follows:

<u>Claim Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Record Date</u>
Alpha 1	20	8337	April 3, 1987
Alpha 2	16	8338	April 3, 1987
Alpha 3	20	8339	April 3, 1987
Beta 1	20	8340	April 3, 1987
Beta 2	16	8341	April 3, 1987
Beta 3	20	8342	April 3, 1987
Beta 4	20	8343	April 3, 1987

#### 5.0 PHYSICAL FEATURES

The Fort St. James area lies within the Interior System of the Canadian Cordillera which can be divided into three components, the Nechako Plateau, Ominica Mountains and Rocky Mountain Trench. The property is situated within a subsection of the Nechako Plateau called the Nechako Plain which occupies an area of several thousand square miles north and east of Stuart Lake. Generally, maximum relief is only a few hundred feet with the terrain being described as rolling ground moraine interspersed with glacial lake basin.

## 5.0 PHYSICAL FEATURES, cont'd.

Outcrop frequency is considered low except for widely scattered rocky knolls.

Extensive glaciation has occurred during Pleistocene time resulting in a thickness of till to 400 feet. The surface of the till consists of nearly parallel drumlins elongated in a north-easterly direction.

Winters in the area are cold with temperatures reaching lows of 60 degrees Fahrenheit. Summer temperatures are generally 80 degrees Fahrenheit, but highs of 100 degrees have been recorded.

The average annual precipitation at Fort St. James is reported as being 15.61 inches. Snow thickness can be as much as 3 to 6 feet.

Outcrop frequency on the property is low and generally pertains to areas of rocky knolls which protrude 2 - 400 feet above regions of glacial till, and to drainage areas.

## 6.0 HISTORY

Placer miners moved into the Ominica area in the mid-1860's with the first discovery being on Silver Creek in 1868. In 1871 gold production reportedly valued at \$400,000.00 came from the Ominica, with much of this being from Germansen and Manson Rivers.

6.0 HISTORY, cont'd.

Overall production to the 40's from the Manson areas was probably \$1,500,000.00.

Lode deposits came into prominence after 1935 when the Geological Survey of Canada completed geological mapping at a scale of 1 in. - 4 miles. The Pinche Fault mercury deposits were discovered by J.G. Gray of the G.S.C. in 1937 and these were later developed by Consolidated Mining and Smelting Co. in 1940. Precious and base metal occurrence are known but discovery and exploration has been slow because of the low outcrop frequency as related to the extensive Pleistocene glacial till cover.

Little work has been undertaken in the immediate claim area because of poor access and sparse outcrop exposure. Recently a logging road has been completed which allows truck access to the Beta group of claims.

During 1968-69 the consulting firm of Bacon and Crowhurst examined porphyry - copper occurrences for the N.B.C. Syndicate to the west of the claims, which forms part of the recent area of interest at the Tas Noranda option.

The Windy claims presently held by Placer Developments were examined by Cassiar Mining Corporation during the period July 22-24, 1985. Encouraging results were obtained for copper and gold as related to quartz carbonate vein and stringer environment. As described by Hewton, R.S., P.Eng. in assessment report 86-60-14449.

"Results for samples collected are:

6.0 HISTORY, cont'd.

<u>Sample</u>	<u>Description</u>	<u>Cu</u> <u>%</u>	<u>Au</u> <u>oz/T</u>
W 85-1	- sheared basalt from Trench 1  - numerous quartz-calcite veins with chalcopyrite  - grab of a number of samples from the 1 x 2 m trench	1.35	0.106
W 85-2	- sheared basalt with abundant chalcopyrite from Trench 1, some narrow quartz veins, manganese staining	0.53	0.038
W 85-3	- grab of numerous samples from Trench 1, minor chalcopyrite	0.35	0.030
W 85-4	- sample of large boulder (till?) 4 m from Trench 1	0.71	0.009
W 85-8	- sheared basalt from Trench 2 material similar in appearance to sample 85-2	-	-
W 85-9	- sheared basalt from Trench 1 chip over 1 m thick	0.41	0.011
W 85-10	- sheared basalt from Trench 2 with chalcopyrite	0.35	0.028
W 85-5	- soil sample, B horizon, Trench 1	427 ppm	235 ppm
W 85-6	- soil sample, B horizon, from pit 50 m west of Trench 1, no outcrop	57	16
W 85-7	- soil sample, C horizon, 1.5 m	1318	160

It was seen that results were encouraging if the model was a large tonnage copper-gold deposit with a high Au to Cu ratio. Limited soil sampling suggested a survey might provide useful information."

## 7.0 GEOLOGY

The claims are situated within the Takla Group, Upper Triassic rocks composed of andesitic and basaltic flows, tuffs, breccia and agglomerate with interbedded conglomerate, shale, greywacke, and limestone.

The group has been named for its occurrence in the vicinity of Takla Lake where it is shown as a conformable succession of interbedded volcanic and sedimentary rocks ranging in age from Upper Triassic to Upper Jurassic. The sedimentary components consist essentially of interbedded, argillite, greywacke and tuff with occasionally thick beds of conglomerate and limestone. Volcanic units consist primarily of lava flows of 25 - 100 feet in thickness composed mainly of green, grey-green, grey, black, purple and red porphyritic and non-porphyritic andesites and basalt.

On the Alpha - Beta claims rock exposures as seen along logging road cuts and drainage features, consist of argillite, andesite, shale, greywacke, hornfels and minor intrusive. These units have frequently been sheared and brecciated and occasionally altered by pyrite rich quartz carbonate veining and epidote filaments. Sections of 1-5% pyrite with minor chalcopyrite, ankerite, quartz and calcite veining are seen in outcrop.

No detailed geological mapping has been completed on the property, but it is felt that the environment is similar to the Windy claims where copper-gold values are reported in quartz-carbonate stringer and veins occurring in sheared volcanics.

7.0 GEOLOGY, cont'd.

The following table of formations are from Armstrong, J.E.,  
Memoir 252 Geological Survey of Canada, 1965.

TABLE OF FORMATIONS

Era	Period or epoch	Name	Lithology	
Cenozoic	Recent		Stream deposits, talus, and soil	
			Silt, clay, sand, and gravel	
	Pleistocene		Gravel, till, boulder clay, sand clay, and erratics	
	Pliocene or later		Stream deposits (conglomerate)	
			Conglomerate	
	Unconformity			
	Oligocene or later	Endako group	Andesitic and basaltic dykes	
			Vesicular and amygdaloidal andesite, basalt, and dacite; flow breccia, agglomerate, and feldspar porphyry	
			Trachytic, rhyolitic, and andesitic flows, dykes, and sills; may be older than Endako group	
	Unconformity			
Eocene or Oligocene		Rhyolitic flows, tuffs, and intrusions; minor dacite, andesite, and basalt		
		Conglomerate, sandstone, and shale; minor tuff		

TABLE OF FORMATIONS—*Con.*

Era	Period or epoch	Name	Lithology
Mesozoic and Cenozoic	The 'Upper Cretaceous or later' sedimentary and volcanic rocks may be in part the same age as the 'Eocene or Oligocene' rocks. No contacts between the two groups were observed.		
	Upper Cretaceous or later		Andesite, trachyte, and rhyolite; intercalated arkose and conglomerate
			Rhyolite, dacite, andesite, basalt, minor related tuffs, and breccias; may be partly or entirely equivalent to Eocene or Oligocene group
	The Sustut group occurs only in the northern part of the area, whereas the 'Upper Cretaceous or later' rocks are exposed only in the southern part; relations, therefore, are unknown, and the two groups may be in part of the same age.		
Upper Cretaceous and Paleocene	Sustut group	Conglomerate, shale, greywacke, and tuff	
Contact relations not shown			
Mesozoic	Probable Lower Cretaceous	Ushika formation	Conglomerate; minor sandstone and shale
	Unconformity		
	Upper Jurassic or Lower Cretaceous	Omineca intrusions	Granodiorite, granite, syenodiorite, diorite; minor syenite, gabbro, and pyroxenite
	Omineca intrusions cut the Takla group, but are not in contact with the Tachek and Hazelton groups.		
	Jurassic and (?) Cretaceous	Tachek group	Andesite and andesite breccia; basalt and rhyolite



TABLE OF FORMATIONS—*Con.*

Era	Period or epoch	Name	Lithology
The Tachek group overlies the Topley intrusions unconformably. It and the Hazelton and Takla groups may be in part equivalent, but are not in contact.			
Jurassic and (?) Cretaceous			
		Hazelton group	Andesite, trachyte, basalt, and related breccias
Contact relations not shown			
Jurassic and Upper Triassic			
		Takla group	Andesitic and basaltic flows, tuffs, breccias, and agglomerate; interbedded conglomerate, shale, greywacke, limestone, and coal
Upper Triassic			
			Shale, greywacke, conglomerate, tuff, and limestone
The Takla group is separated from the Cache Creek group by an unconformity. Contact relations of the Takla group to the Topley and Trembleur intrusions are not shown.			
Post-Middle Permian, pre-Jurassic(?)			
		Topley intrusions	Granite, diorite, syenite, and granodiorite
Intrusive contact			
Post-Middle Permian, pre-Upper Triassic (?)			
		Trembleur intrusions	Pyroxenite, serpentine, minor peridotite, and dunite; may be in part of same age as Omineca intrusions
Peridotite, dunite, serpentized and steatitized equivalents; minor pyroxenite and gabbro			

Paleozoic (?)  
and Mesozoic

TABLE OF FORMATIONS—*Cont.*

Era	Period or epoch	Name	Lithology
Intrusive contact			
Palæozoic	Pennsylvanian(?) and Permian	Coehe Creek group	Greenstone division: andesitic flows, tuffs, and breccias, with minor basic intrusions; chlorite and hornblende schists; minor argillite, slate, ribbon chert, and limestone
			Ribbon chert division: ribbon chert, argillaceous quartzite, argillite, slate, and greenstone; minor greywacke, conglomerate, and limestone; metamorphosed equivalents. In part older than limestone division; relation to slate division not known
			Slate division: slate, argillite, and greenstone; minor quartzite, limestone, and conglomerate
			Limestone division: massive limestone; minor argillite, slate, ribbon chert, and greenstone
Unconformity			
Late Precambrian, Lower Cambrian, and later intrusive rocks	Wolverine complex		Granitic gneiss, pegmatite, granite, or granodiorite
			Micaceous, chloritic, and garnetiferous schists; quartzite and crystalline limestone

## 8.0 EXPLORATION WORK 1987

During the period October 5 - 13, 1987 a program of prospecting, soil, silt, and rock geochemistry was completed by a three man field crew based in Fort St. James under the author's direction. This work consisted in the collection of B-horizon material for the soil samples, storage in kraft paper bags, and shipment to Min En Laboratories in Vancouver for analysis. Rock samples were collected from outcrop features generally or from float material. Silt samples taken from drainage features were analysed using I.C.P. methods.

During the program 95 soil samples, 20 rock samples, and 26 silt heavy metal samples were collected. Copies of assay data are included in Appendix C. Samples generally were analysed for silver, arsenic, copper, lead, zinc, and gold with 25 other elements included for the silt heavy metal analysis.

Plan No. 4 included in Appendix C shows sample locations and assay results for gold ppb only because the work is of a reconnaissance nature.

9.0 RECOMMENDATIONS

Sufficient encouragement has been obtained in the reconnaissance work to necessitate a thorough program of soil and rock geochemistry, prospecting and geology, supplemented with geophysical evaluation.

The property appears to contain alteration, rock types, mineralization, which are compatible with gold bearing porphyry type environments found in the area.



Appendix A  
Cost Statement

COST STATEMENT

Period

October 5 - 13, 1987

Personnel

Taiga Explorations

Field 9 days @ \$250.00/day \$ 2,250.00

Truck 9 x \$50.00 450.00

Jeffco Holdings

Field 9 days @ \$150.00/day 1,350.00

Office 2 days @ \$150.00 300.00

Burkett, D.

Field 5 days @ \$100.00 500.00 \$ 4,850.00

Field Cost

Air Fare 577.80

Helicopter 2,240.00

Motel & Food 879.82

Gasoline 337.79

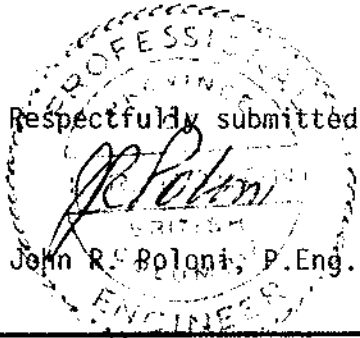
Assays 2,337.00 6,372.41

Supervision - Engineering - Report

John R. Poloni, P.Eng. 3,000.00

TOTAL EXPENDITURES

\$14,222.41  
=====

Respectfully submitted,  
  
John R. Poloni, P.Eng.

JOHN R. POLONI P. Eng.  
Consulting Geologist

Appendix B  
Certificate

CERTIFICATE

I, John R. Poloni, of 5502 - 8B Avenue, in the Municipality of Delta, in the Province of British Columbia,

DO HEREBY CERTIFY THAT:

1. I am a Consulting Geologist.
2. I am a graduate of McGill University of Montreal, Quebec, where I obtained a B.Sc. Degree in Geology in 1964.
3. I am a Registered Professional Engineers of the Province of British Columbia.
4. I have practiced my profession since 1964.
5. I am a Member of the Canadian Institute of Mining and Metallurgy.
6. I have a 25% interest in the property as part of a grubstaking agreement.
7. I have supervised the programs report on

Dated the 13th day of February 1988.



John R. Poloni P.Eng.



Appendix C

References

REFERENCES

- 1.0 Armstrong, J.E., G.S.C. Memoir 252, 1965 Fort St. James Map Area, Cassiar and Coast Districts, British Columbia.
- 2.0 John R. Poloni, November 12, 1986, Report on the Snug #1, Zar #1, Tue #1 and Tue #2 Claims, Inzana Lake area for Big Country Resources Inc.
- 3.0 Hewton, R.S., 1986, Results of an Examination of the Windy Property B.C. Cariboo Mining Division.

Appendix D

1.0 Assay Data

2.0 Maps

<u>Plan No.</u>	<u>Description</u>	<u>Scale</u>
Plan No. 2	Claim Map	1:50,000
Plan No. 3	Location Map	1:250,000
Plan No. 4	General Compilation	1:10,000

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604)960-5814 OR (604)982-4524

TELEX: VIA USA 7601067 GC

Analytical Report

Company: J. POLONI  
Project:  
Attention: J. POLONI

File: 7-1604  
Date: OCT 21/87  
Type: GEOCHEM

Date Samples Received : OCT 11/87  
Samples Submitted by : J. POLONI

Report on .....124..... Geochem Samples  
..... Assay Samples

Copies sent to:  
1. J. POLONI, DELTA, B.C.  
2.  
3.

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

Prepared samples stored:.....X.... discarded:.....  
rejects stored:.....ROCKS... discarded:.....SOILS.....

Methods of analysis: AU-FIRE  
5 ELEMENT TRACE ICP  
HEAVY MINERAL

Remarks

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Analytical Report

Company: JOHN POLONI  
Project: SALMON RIVER  
Attention: JOHN POLONI

File: 7-1695  
Date: OCT 29/87  
Type: SOIL GEOCHEM

Date Samples Received : OCT 22/87  
Samples Submitted by : JOHN POLONI

Report on ..... 17 SOILS ..... Geochem Samples  
.....  
..... Assay Samples  
.....

Copies sent to:  
1. JOHN POLONI, DELTA, B.C.  
2.  
3.

Samples: Sieved to mesh .....-80 .... Ground to mesh .....  
repared samples stored: .....X.... discarded: .....  
rejects stored: ..... discarded: .....X.....

Methods of analysis:  
  
6 ELEMENT TRACE ICP.  
AU-MET. A.A.

Remarks:

(VALUES IN PPM)	AG	AS	CU	PB	ZN	AU-PPB
J 001	.7	13	32	17	69	3
J 002	.7	11	41	14	86	5
J 003	.7	13	35	15	63	6
J 004	.9	13	46	12	79	240
J 005	.7	14	25	15	64	9
J 006	.9	19	77	16	86	8
J 007	.7	14	37	15	61	4
J 008	1.0	19	40	18	72	5
J 009	1.3	36	87	21	87	20
J 010	1.2	11	65	13	88	19
J 011	.9	4	24	15	62	6
J 012	.8	11	34	12	77	15
J 013	.7	7	25	10	75	4
J 014	.9	14	39	16	71	8
J 015	1.1	12	32	9	117	4
J 016	.7	20	49	19	115	3
J 017	1.1	13	37	13	82	20
J 018	.9	6	78	9	30	9
J 019	1.5	29	95	25	127	2
J 020	1.0	22	43	20	74	10
J 021	1.3	27	59	25	93	5
J 022	1.3	23	56	25	99	6
J 023	.7	14	18	12	47	19
J 024	.9	17	29	18	71	4
J 025	.9	15	25	15	56	3
J 026	.9	10	14	8	46	7
J 027	.7	17	31	20	69	1
J 028	.7	1	36	16	70	3
J 029	.7	1	25	10	74	3
J 030	.8	1	22	9	105	5
J 031	.7	1	35	24	233	2
J 032	.6	8	50	16	70	6
J 033	.9	26	24	6	178	3
J 034	.9	12	52	14	63	12
J 035	.9	10	43	18	64	13
J 036	1.0	10	43	17	60	5
J 037	1.1	5	47	10	75	10
J 038	1.7	13	180	10	70	38
J 039	.8	1	21	11	90	45
J 040	.9	2	28	12	74	5
J 041	1.1	14	62	15	76	6
J 042	.8	1	34	11	61	7
J 043	1.3	24	90	14	84	10
J 044	.7	2	21	8	58	5
J 045	1.2	8	54	12	65	9
J 046	.8	9	39	12	74	6
J 047	.9	6	45	14	87	5
J 065	.5	7	25	7	56	5
J 066	.9	13	38	10	80	7
J 067	1.0	7	40	14	87	10
J 068	1.1	8	42	15	67	4
J 069	.9	1	24	11	83	9
J 070	.8	9	34	10	58	10
J 071	.5	8	35	13	63	2
J 072	.6	6	27	13	56	3
J 073	.5	20	23	11	96	1
J 074	.4	1	24	8	80	3
J 075	.5	6	30	11	94	1
J 076	.3	2	21	9	77	3
J 077	.7	8	37	12	129	10

PROJECT NO:

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

FILE NO: 7-1604/P3

ATTENTION: J. POLONI

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

\* TYPE SOIL GEOCHEM \* DATE: OCT 19, 1987

(VALUES IN PPM)	AG	AS	CU	PB	ZN	AU-PPB
J 078	1.3	13	77	23	169	7
J 079	1.4	1	42	14	85	4
J 080	4.4	29	396	14	208	12
J 081	2.1	3	266	17	125	5
J 082	1.0	1	29	12	79	5
J 083	.8	18	41	11	88	2
J 084	1.4	3	51	10	78	3
J 085	.6	2	62	12	61	4
J 086	1.2	3	81	14	107	6
J 087	.5	4	49	10	45	4
J 088	1.0	4	14	11	57	2
J 089	.6	1	20	15	49	3
J 090	.9	1	25	9	87	14
J 091	1.1	15	16	7	78	2
J 092	2.0	5	18	15	57	3
J 093	1.2	20	18	12	91	3
J 094	1.3	14	17	11	68	14
A 001	1.5	20	69	23	94	5

PROJECT NO: SALMON RIVER  
ATTENTION: JOHN POLONI

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7N 1T2  
(604)980-5814 OR (604)988-4524

FILE NO: 7-1695  
\* TYPE SOIL GEOCHEM \* DATE: OCT 29, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
J 048	.9	24	75	12	1	66	10
J 049	.7	7	57	10	1	54	5
J 050	.4	15	23	8	2	59	5
J 051	.4	3	24	9	2	50	30
J 052	.8	4	47	17	2	57	45
J 053	.8	1	52	10	1	71	30
J 054	.9	22	51	8	2	79	5
J 055	1.0	9	44	12	2	71	10
J 056	.9	8	57	16	2	74	10
J 057	.8	1	27	15	2	62	30
J 058	1.1	7	63	13	2	58	10
J 059	.7	3	32	6	3	46	10
J 060	1.2	30	87	11	2	78	5
J 061	1.0	1	74	13	1	82	20
J 062	.6	5	38	9	1	49	5
J 063	.5	2	45	10	1	63	10
J 064	.6	2	53	11	2	61	50



COMPANY: J. POLONI

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO:

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

FILE NO: 7-1604

ATTENTION: J. POLONI

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

\* TYPE ROCK GEOCHEM \* DATE: OCT 17, 1987

(VALUES IN PPM )	AG	AS	CU	PB	ZN	AU-PPB
AR 001	1.2	4	102	22	860	10
AR 002	1.0	8	7	12	64	5
AR 003	6.4	58	12	26	25	44
AR 004	3.4	42	17	28	24	27
AR 005	1.5	19	172	8	11	8
AR 006	3.0	13	821	10	16	5
AR 007	.8	19	23	11	20	5
AR 008	.9	2	299	16	45	6
AR 009	2.2	3	27	10	21	2
AR 010	.8	6	3	36	15	28
AR 011	1.6	1	9	29	65	3
AR 012	.8	35	15	14	36	108
AR 013	1.2	13	99	24	109	3
AR 014	.6	23	10	27	27	26
AR 015	.4	12	7	26	28	4
AR 016	.4	11	8	15	45	2
AR 017	.8	46	242	22	55	7
AR 018	.4	47	61	10	30	9
AR 019	.4	9	22	8	23	3
JR 001	1.6	32	32	21	46	102

PROJECT NO:

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

FILE NO: 7-1604

ATTENTION: J. POLONI

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

+ TYPE H.M. + DATE: OCT 21, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
AS-001	1.1	15680	11	8	65	1.9	2	15080	2.7	25	87	64170
AS-002	.7	15690	2	8	52	1.0	5	17680	1.7	8	67	31050
AS-003	1.0	16060	12	5	58	1.6	3	16740	2.2	23	89	54260
AS-004	1.1	16890	2	14	59	1.1	11	20840	1.2	8	18	34520
AS-005	1.0	18750	1	10	66	1.1	7	20340	2.0	9	25	35760
AS-006	1.3	18540	5	16	62	1.2	10	23000	.7	10	27	36820
AS-007	1.4	18510	21	17	65	1.7	10	21970	1.5	12	36	55590
AS-008	1.2	21630	1	17	57	1.5	7	24640	2.2	11	39	47100
JS-001	1.0	19710	2	13	52	1.1	8	21390	1.5	9	29	32200
JS-002	1.6	16470	12	9	75	1.5	9	24500	1.1	12	46	45890
JS-003	1.3	17090	12	8	59	1.6	5	19930	2.0	24	93	55190
JS-004	1.1	16780	6	7	79	1.5	7	17610	1.8	14	52	48950
JS-005	.6	20070	1	10	82	1.4	14	24180	2.8	13	46	46480
JS-006	.7	13970	1	3	40	.8	8	15260	.9	8	18	24000
JS-007	1.3	16950	12	10	165	1.4	8	17500	1.5	15	57	47740
JS-008	1.0	16500	7	7	56	1.2	7	17400	1.7	10	34	38670
JS-009	.9	16580	1	5	53	1.2	6	17600	1.6	11	35	39470
JS-010	.9	19540	18	7	40	1.0	8	21080	.9	8	26	28380
JS-011	1.1	19230	5	11	58	1.2	6	21420	1.7	8	24	37520
JS-012	1.5	18010	3	9	64	1.3	11	22430	1.2	9	24	39540
JS-013	1.2	20780	3	9	35	.9	9	19980	1.6	9	28	28760
JS-014	1.0	20150	1	14	41	.9	10	21760	1.1	7	19	26780
JP-001	.9	18780	3	8	49	1.1	8	19900	1.4	9	26	34330
JP-002	1.0	16250	8	7	58	1.3	7	23810	1.2	13	50	40920
JP-003	1.3	19020	10	12	66	1.6	4	27090	1.4	20	59	53530
RP-001	1.6	16910	22	9	70	2.4	3	16790	1.6	31	111	81060

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7K 1T2

FILE NO: 7-1604

ATTENTION: J.POLONI

(604)980-3814 OR (604)988-4524

\* TYPE H.M. \* DATE: OCT 21, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
AS-001	470	11	7280	664	1	150	20	890	27	1	87	1
AS-002	480	10	6900	557	19	140	11	1800	17	1	103	1
AS-003	610	9	7270	467	1	140	20	1590	23	4	103	1
AS-004	440	6	6420	457	1	310	7	1090	16	1	110	1
AS-005	520	7	6590	840	1	280	9	690	10	2	123	1
AS-006	450	5	7500	413	1	330	13	1060	20	3	122	1
AS-007	540	5	6590	643	1	260	8	1080	22	4	138	1
AS-008	560	6	7650	528	1	290	11	600	18	3	166	1
JS-001	500	7	7460	536	1	190	18	1190	12	4	132	1
JS-002	590	4	6590	478	1	270	16	2830	26	4	116	1
JS-003	780	7	7270	549	1	130	15	2080	23	4	116	1
JS-004	750	7	8550	669	1	160	14	1400	22	5	105	1
JS-005	670	8	8330	579	1	240	16	2560	24	3	124	1
JS-006	380	5	7620	429	1	230	8	690	15	2	94	1
JS-007	870	7	9050	505	1	300	19	1050	25	4	99	1
JS-008	520	7	7150	487	1	210	12	870	18	3	99	1
JS-009	550	7	6516	459	1	190	20	920	17	3	107	1
JS-010	470	7	7590	472	1	220	8	1020	14	1	135	1
JS-011	450	6	7930	590	1	220	8	920	15	2	139	1
JS-012	490	5	7320	418	1	290	12	1570	17	3	113	1
JS-013	530	8	8600	395	1	220	8	660	12	1	150	1
JS-014	370	5	6820	434	1	220	5	430	14	1	155	1
JP-001	520	8	7260	526	1	200	10	1110	14	1	120	1
JP-002	680	5	7540	381	1	200	11	3260	18	3	113	1
JP-003	590	5	7500	575	2	220	10	2930	17	1	147	1
AP-001	470	8	7190	666	1	160	22	910	26	2	105	1

PROJECT NO:

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

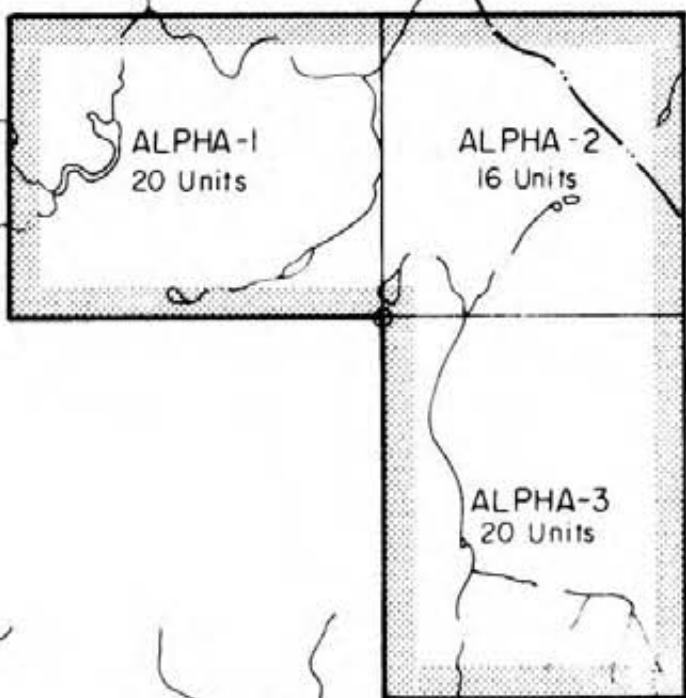
FILE NO: 7-1604

ATTENTION: J. POLONI

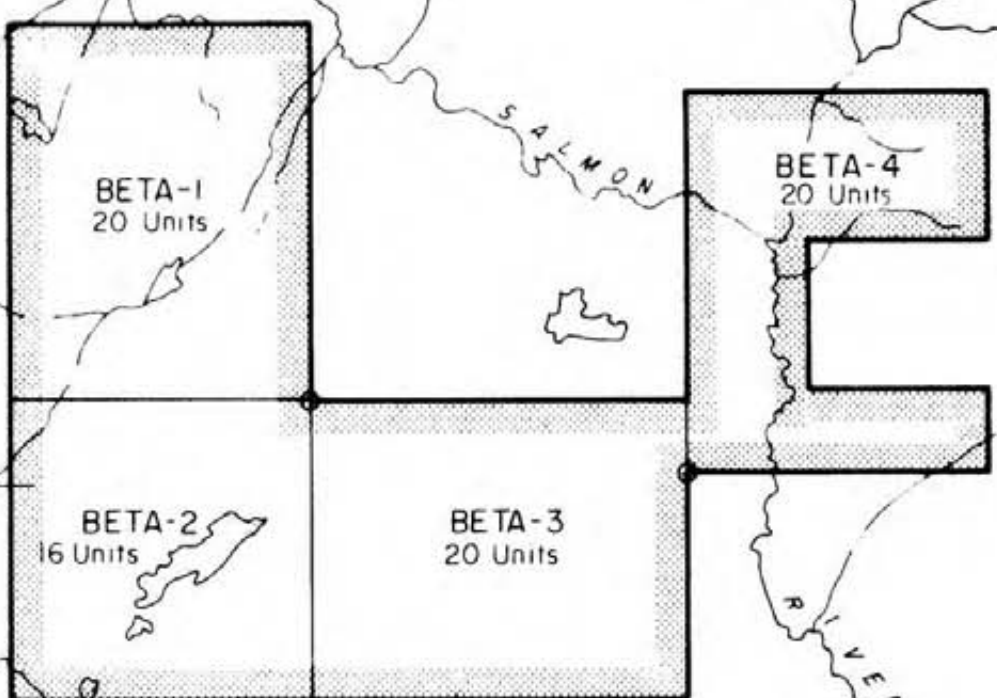
(604)980-5814 DR (604)988-4524

\* TYPE N.N. \* DATE: OCT 21, 1997

(VALUES IN PPM)	U	V	ZN	BA	SN	M	CR	AU-FPB	HMX
AS-001	3	101.4	75	2	1	2	44	255	6.90
AS-002	3	81.3	58	1	1	2	35	355	3.88
AS-003	1	107.9	57	1	1	2	43	200	8.60
AS-004	2	121.6	50	1	1	2	38	65	5.78
AS-005	3	117.4	59	1	1	2	38	550	5.48
AS-006	3	123.7	53	1	1	2	43	5	3.81
AS-007	1	174.8	55	1	2	2	78	155	4.00
AS-008	2	150.0	56	1	1	3	60	15	5.63
JS-001	1	100.4	52	1	1	2	53	25	7.28
JS-002	3	131.6	62	1	2	2	50	20	4.96
JS-003	1	103.3	48	1	2	2	61	20	3.74
JS-004	3	139.7	55	1	2	2	56	5	7.54
JS-005	3	134.0	66	1	3	2	54	25	5.92
JS-006	2	81.5	37	1	1	2	36	10	13.27
JS-007	3	130.0	55	1	1	2	62	10	3.51
JS-008	1	115.0	51	1	2	2	51	20	7.42
JS-009	1	111.7	49	1	1	2	51	10	8.12
JS-010	1	89.3	46	1	1	2	35	20	12.16
JS-011	1	108.4	51	1	1	2	39	5	6.07
JS-012	1	140.0	54	1	3	2	51	5	5.96
JS-013	1	101.8	53	1	2	2	41	5	11.28
JS-014	3	103.0	59	1	1	2	32	15	6.19
JP-001	1	108.5	46	1	2	3	48	2250	10.63
JP-002	2	113.4	47	1	2	2	44	40	7.40
JP-003	4	129.7	50	1	2	2	48	975	2.52
AP-001	1	118.5	68	1	1	2	49	1050	8.76



OMINECA M.D.  
CARIBOO M.D.



SALMON

54° 55'

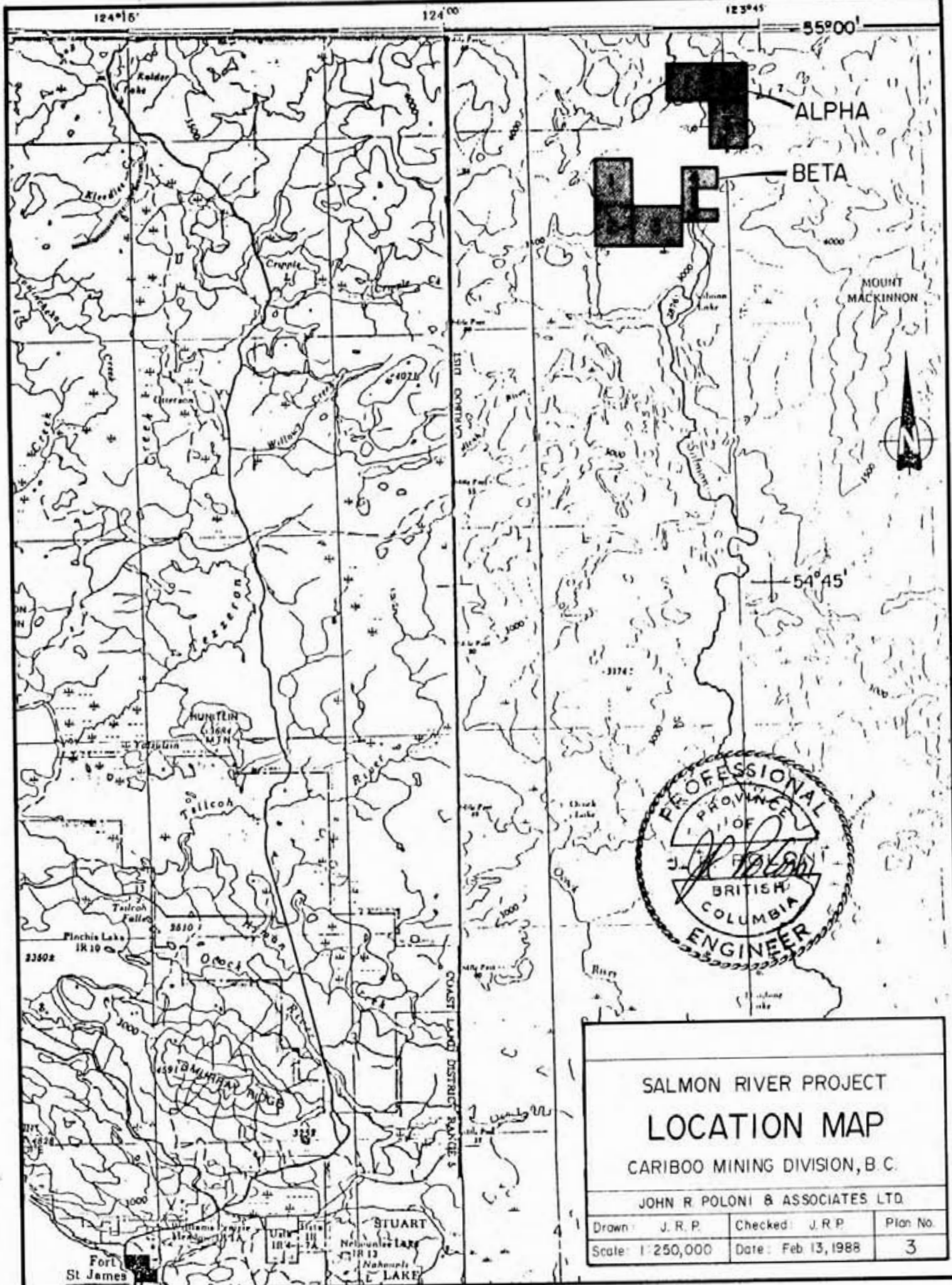
RIVER

123° 45'



SALMON  
LAKE

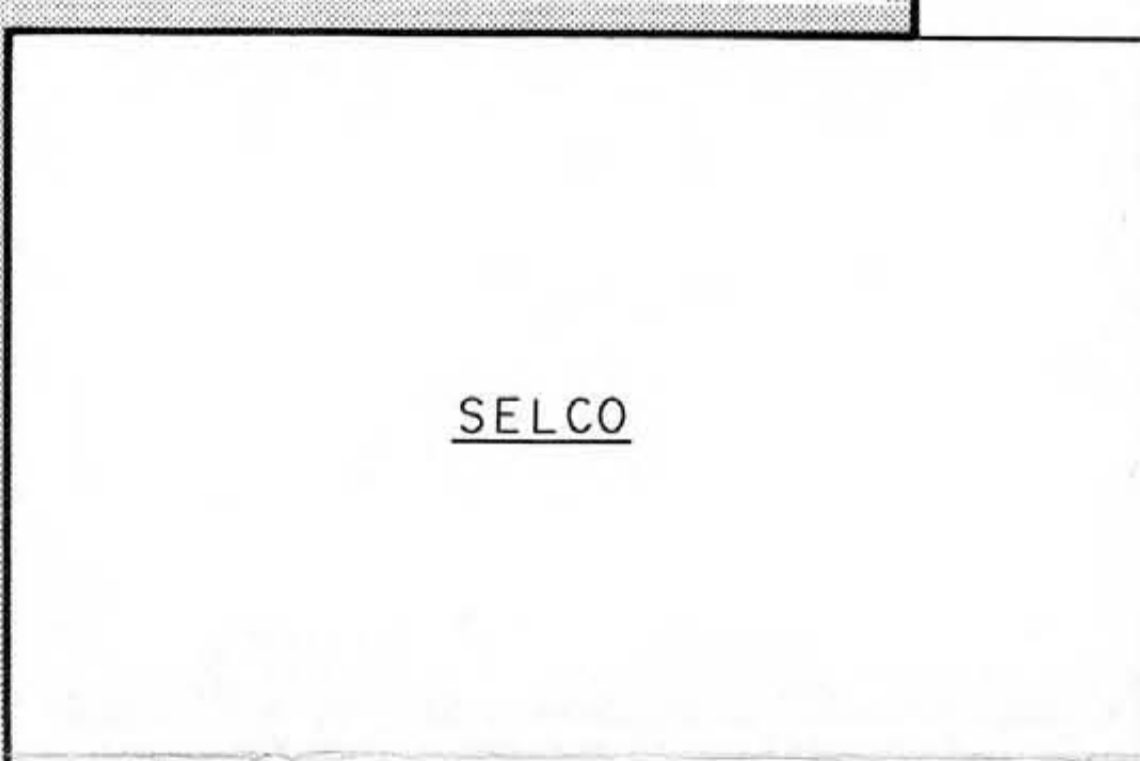
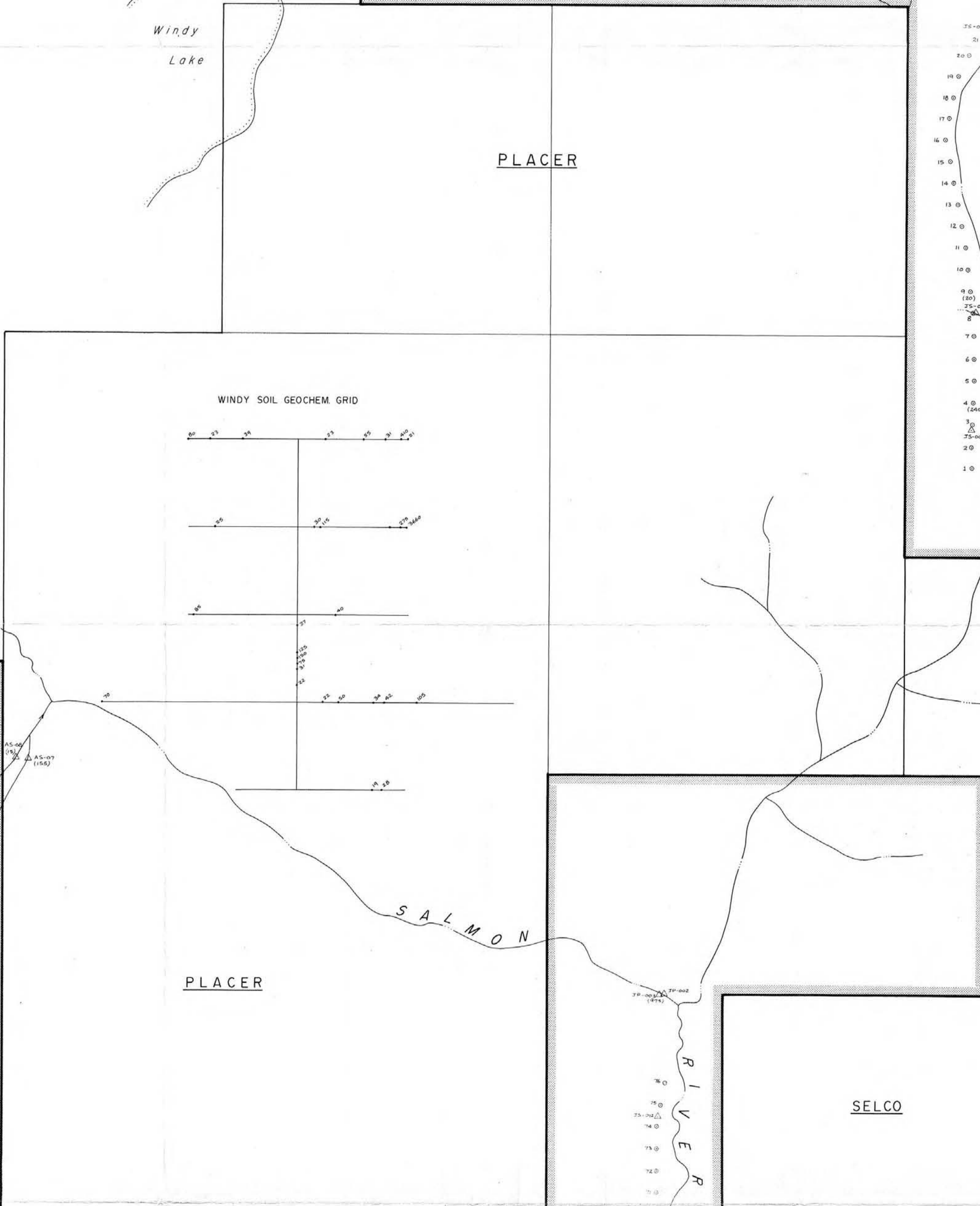
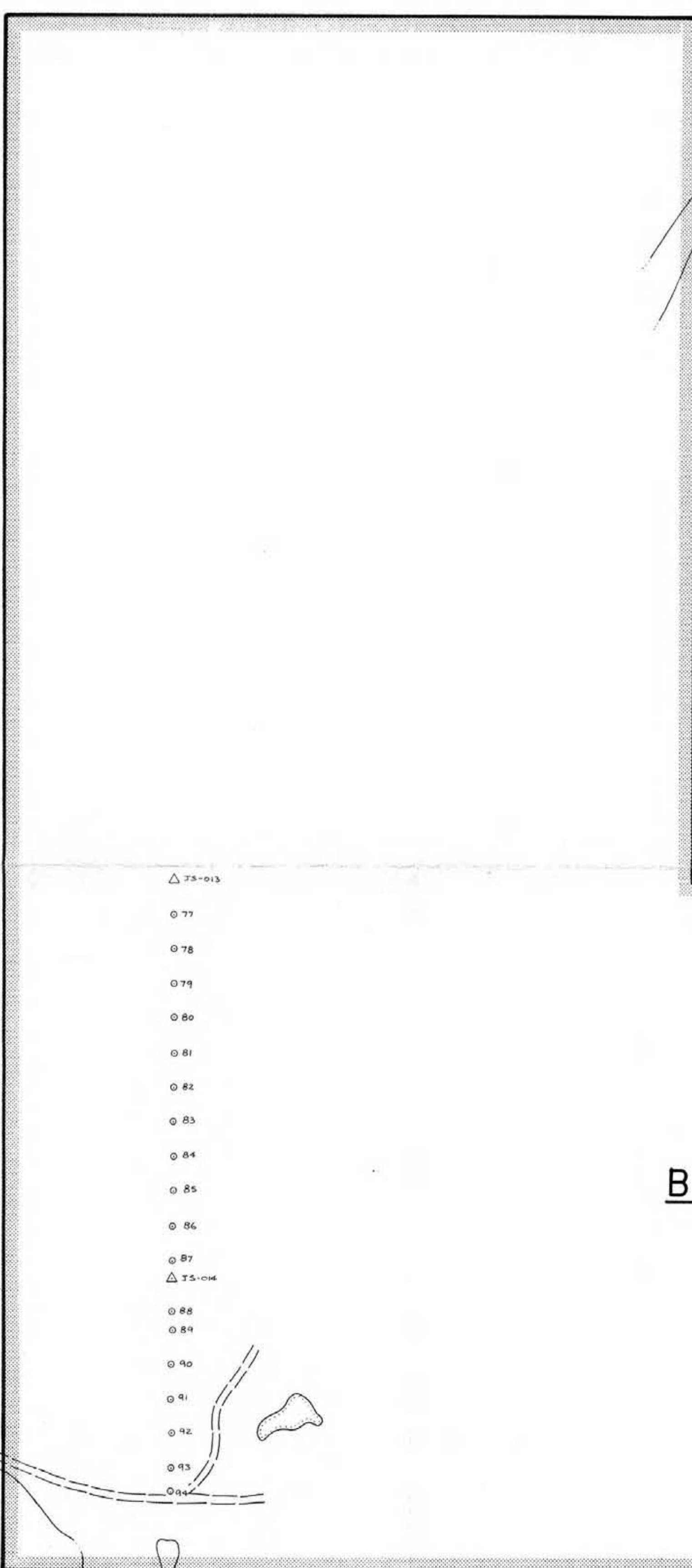
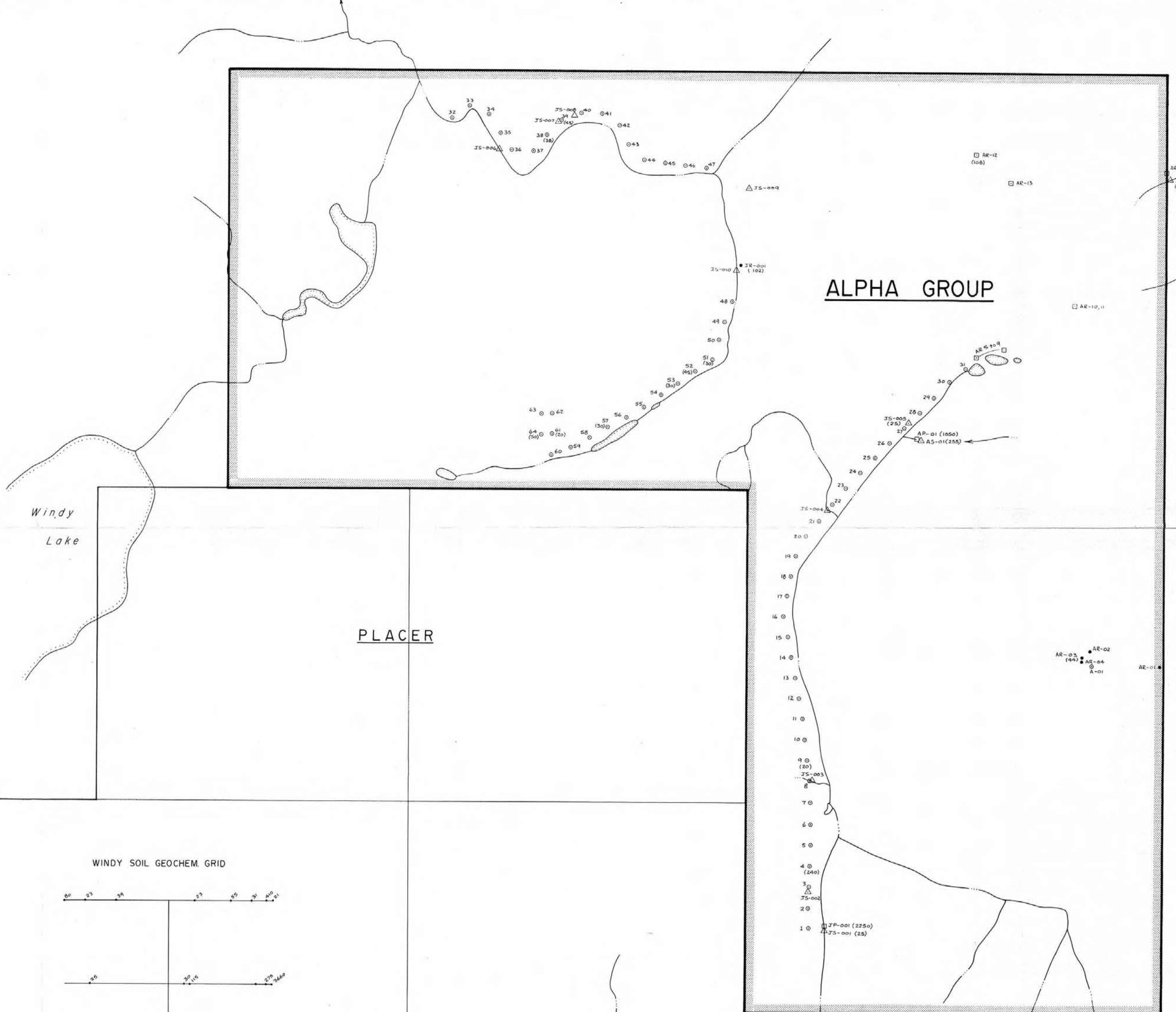
SALMON RIVER PROJECT		
<b>CLAIM MAP</b>		
CARIBOO MINING DIVISION, B.C.		
JOHN R. POLONI & ASSOCIATES LTD.		
Drawn: J.R.P.	Checked: J.R.P.	Plan No.
Scale: 1:50,000	Date: Feb 13, 1988	2



**SALMON RIVER PROJECT**  
**LOCATION MAP**  
 CARIBOO MINING DIVISION, B. C.

JOHN R. POLONI & ASSOCIATES LTD.

Drawn: J. R. P.	Checked: J. R. P.	Plan No.
Scale: 1:250,000	Date: Feb 13, 1988	3



PROPERTY BOUNDARY

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,216

LEGEND

- AP-01, JP-001 □ PAN CONCENTRATE SAMPLE LOCATION
- AS-10, JS-001 △ SILT SAMPLE LOCATION
- 25 ○ SOIL SAMPLE LOCATION
- AR-01, JR-001 ● ROCK SAMPLE LOCATION
- (2250) GOLD VALUE IN PPM



ALPHA & BETA CLAIMS  
GENERAL COMPILATION  
FORT ST. JAMES AREA  
BRITISH COLUMBIA

JOHN R. POLONI & ASSOCIATES LTD.

SCALE: 1:10,000	DATE: FEB. 13, 1988	PLAN No.
DRAWN: J.J.P.	CHECKED: J.R.P.	4