

ASSESSMENT REPORT
ON THE
GEOLOGY, SOIL GEOCHEMISTRY, VLF EM
OF THE BAY MINERAL CLAIM
RECORD NO. 1294

COLDWATER RIVER
NICOLA MINING DIVISION
BRITISH COLUMBIA

92H/14E
49°45'30" N Latitude 121°01'00" W Longitude

Prepared for

GIANT BAY RESOURCES LTD.
1075 Duchess Avenue
West Vancouver, B.C.

Prepared by

B. TAYLOR, P.Eng.

October 6, 1983

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,478

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SUMMARY

The six unit BAY claim is situated on the west side of the Coldwater River approximately midway between Hope and Merritt, B.C. It is underlain by grandiorite, at its contact with Nicola volcanics. A slight possibility exists that it contains gold and silver in manganese-lead-zinc bearing veins similar to the Keystone Mine a few kilometres to the south where similar conditions exist.

A basic program of line cutting, soil sampling, VLF EM geophysical surveying and geological mapping has been completed in two sessions. Geochemical and VLF EM anomalies exist on strike with those found on the NEW claim which adjoins it on the south. The geological mapping and prospecting has not revealed any significant mineralization. The area is still geologically interesting.

It is recommended that further exploration be held in abeyance for a few years until exploration results from neighboring properties are known and assessed.

INTRODUCTION

The writer was commissioned on August 5, 1983 to carry out the first phase of an exploration program he had proposed in his report on the BAY claim dated November 25, 1982. The field work was carried out from August 10 to August 26, 1983.

PROPERTY

The claim is recorded as:

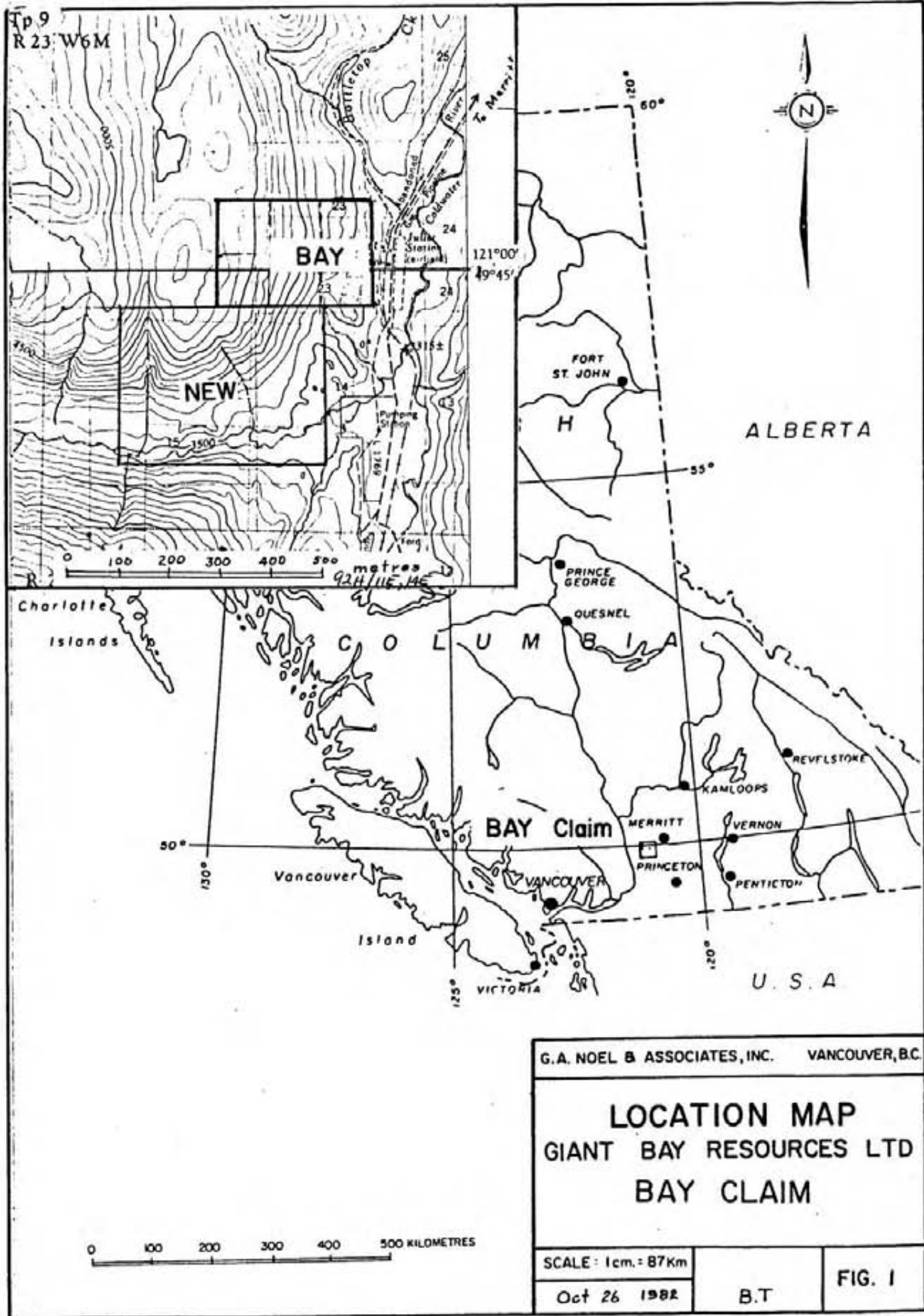
<u>Claim</u>	<u>Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
BAY	6	1294	August 31, 1988

The owner is listed as Giant Bay Resources Limited, having purchased the claim from J.E. Charlesworth and recorded December 14, 1982 by Bill of Sale.

The property is shown on Mineral Map sheet 92H/14E.

LOCATION & ACCESS

The property lies approximately 60 kilometres northeast of Hope, and 46 kilometres southwest from Merritt, very close to the site of the former Julia railway siding. It can be approached from the south via the Coquihalla Road, a good logging road north from Hope. The Trans-Mountain oil pipeline service road joins it to the Coldwater road from Merritt. The road occupies an abandoned CPR railbed in many places and passes just east of the property. Future transportation will be by paved highway, presently under construction. An emergency airfield with a short useable grass runway lies alongside the road also just east off the property.



The Legal Corner Post is the southeast corner of the claim block. This post is located 800 metres west and 700 metres north of the confluence of Juliet Creek with the Coldwater River. The NEW claim adjoins it along its southern boundary. The property varies in altitude from 1030 metres ASL on the east to 1460 metres on the west. Co-ordinates of the central portion are $49^{\circ}45'30''$ North Latitude, $121^{\circ}01'00''$ West Longitude.

TOPOGRAPHY & VEGETATION

The BAY claim rises from the hummocky glacial gravels of terminal moraine alongside the Coldwater River to a thinly overburdened mountain side. A rather uniform easterly slope of about 18° is interrupted locally by small rocky promontories. It is forest covered throughout with lodgepole pine, spruce, alpine fir, some aspen and dense stands of slide alder. Only at the west end (top) are trees of commercial size.

The Coldwater River has an ample flow of water for camps and drilling purposes. The landing strip occupies a small flood plain beside the river.

LINE CUTTING

Four kilometres of line were cut through the bush. Using the north-south base line cut last October along the eastern end, east-west lines at 800N and 1000N were cut for the full 1500 metre length of the property. Shorter lines were cut on 300 and 500N. Stations were flagged at 30 metre intervals using a Hip-chain as a measuring device and a Silva "Ranger" Compass for direction.

GEOLOGY

The claim is underlain by massive to lightly foliated, medium grained biotite grandiorite near its contact with Nicola volcanics. A few thin, flat lying pegmatite veins were noted along the south claim line. No sulfide minerals were observed, but occasional thin and small gossans were noted. There are no references in the MINDEP files regarding mineral occurrences on the ground.

Seven kilometres to the south, at a former small producer, the Keystone Mine, are vein type mineral occurrences in granite. They are described in B.C. Minister of Mines Annual Report (1936) as being a series of northeast striking shear zones and quartz-carbonate veins mineralized with lead, zinc, silver and gold, and with a rhodocrosite (manganese) bearing gangue. Assays of vein material, taken over widths of 15 to 30 centimetres, are quoted as follows:

Gold	0.06 - 0.16	oz/ton
Silver	16.8 - 23.8	oz/ton
Lead	2.1 - 6.5%	
Zinc	4.9 - 14.0%	

Selected material, taken from the dump by the writer in 1974, returned assay values within this range. Neighboring claims, the WHAT group, were explored at the same time by geochemical soil sampling and trenching. Rock sampling of the trenches for copper and molybdenum returned low values, the highest of which were 587 ppm copper and 150 ppm molybdenum. No analysis was made for gold or silver.

Nine rock samples were taken on the BAY claim. Their location is shown on the accompanying revised geological map Figure 2. They were taken from gossanized grandiorite and very thin quartz veins.

The samples were assayed by Min-En Laboratories of North Vancouver. A copy of the method of analysis and the Assay sheet showing the results are to be found in the Appendix.

All values were .001 oz/ton Au. An andesite dyke containing about 2% pyrite, and occurring 250 metres to the east of the property returned .001 oz/ton Au and .02 oz/ton Ag.

Indications of mineralization have been found on the NEW claim bordering the BAY claim to the south. Modest geochemical anomalies are located in the southeast corner of the claim.

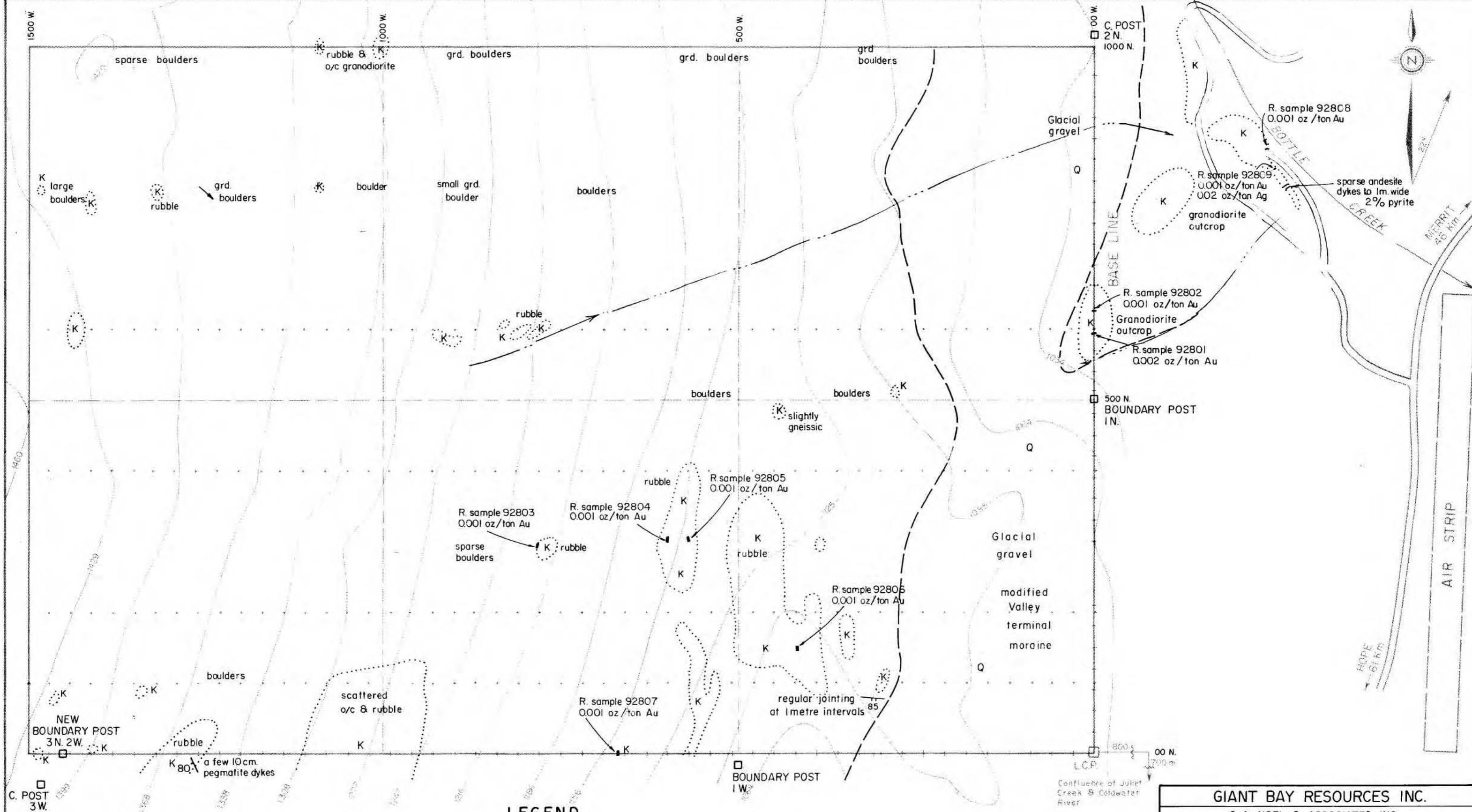
GEOCHEMISTRY

Soil samples were taken from the "B" soil horizon on the E-W lines at the flagged intervals of 30 metres. There were 150 samples taken and analyzed by Min-En Laboratories of North Vancouver for gold, silver, zinc and manganese.

The method of analysis used and the Geochemical Analysis Data sheet are appended.

Lead values from the October-November 1982 sampling were all background range and therefore no further analyses were asked for. As in 1982, metal values were low, but anomalous areas were discernable. The combined 1982 and 1983 anomalous areas are stippled rather than contoured because of the line and sample spacing and erratic values involved.

Gold is shown as Figure 3. It has a background value of 7 ppb. A threshold value of 12 ppb was used in plotting



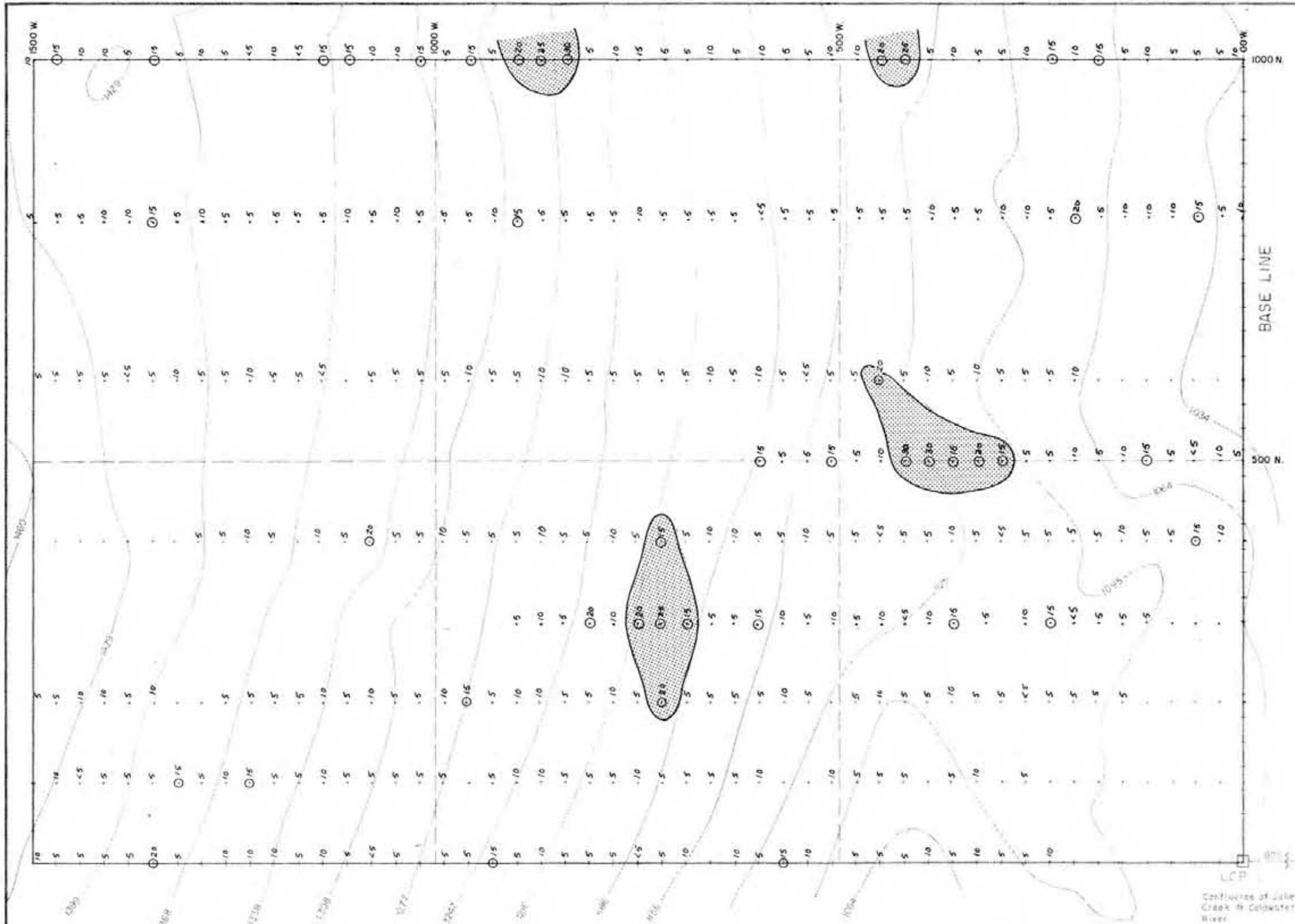
LEGEND

- Q QUATERNARY – glacial debris
- K CRETACEOUS – massive granodiorite
- Generalized contact
- Outcrop area
- Minor stream

B. Taylor

Topography enlarged from 1:50,000 scale map

GIANT BAY RESOURCES INC.		
G. A. NOEL & ASSOCIATES INC. Vancouver, B. C.		
SURFACE GEOLOGY		
BAY CLAIM GROUP NICOLA M. D., B.C. N.T.S. 92H/14E		
Scale. 1: 5000	Date. Oct - Nov 1982 REVISED AUG. 1983	Fig. No. 2
Drawn. B. Taylor		

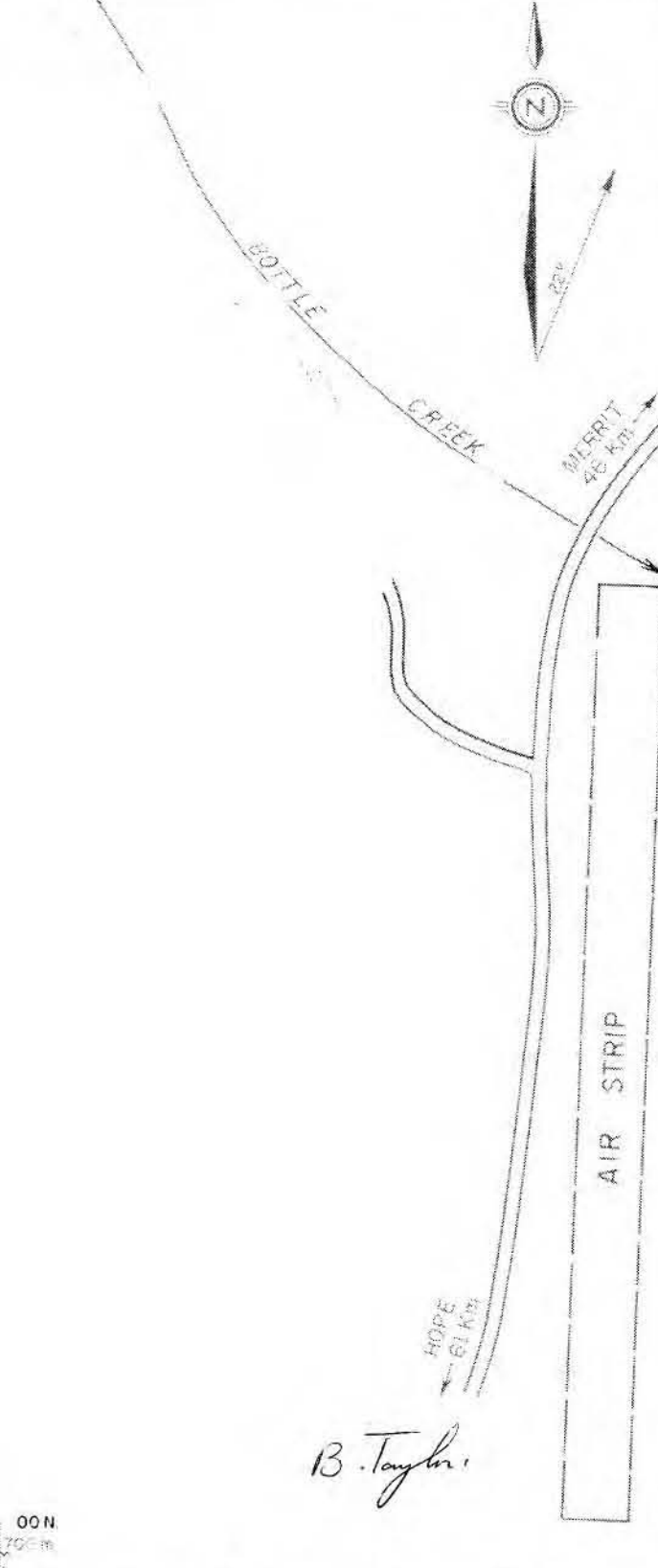
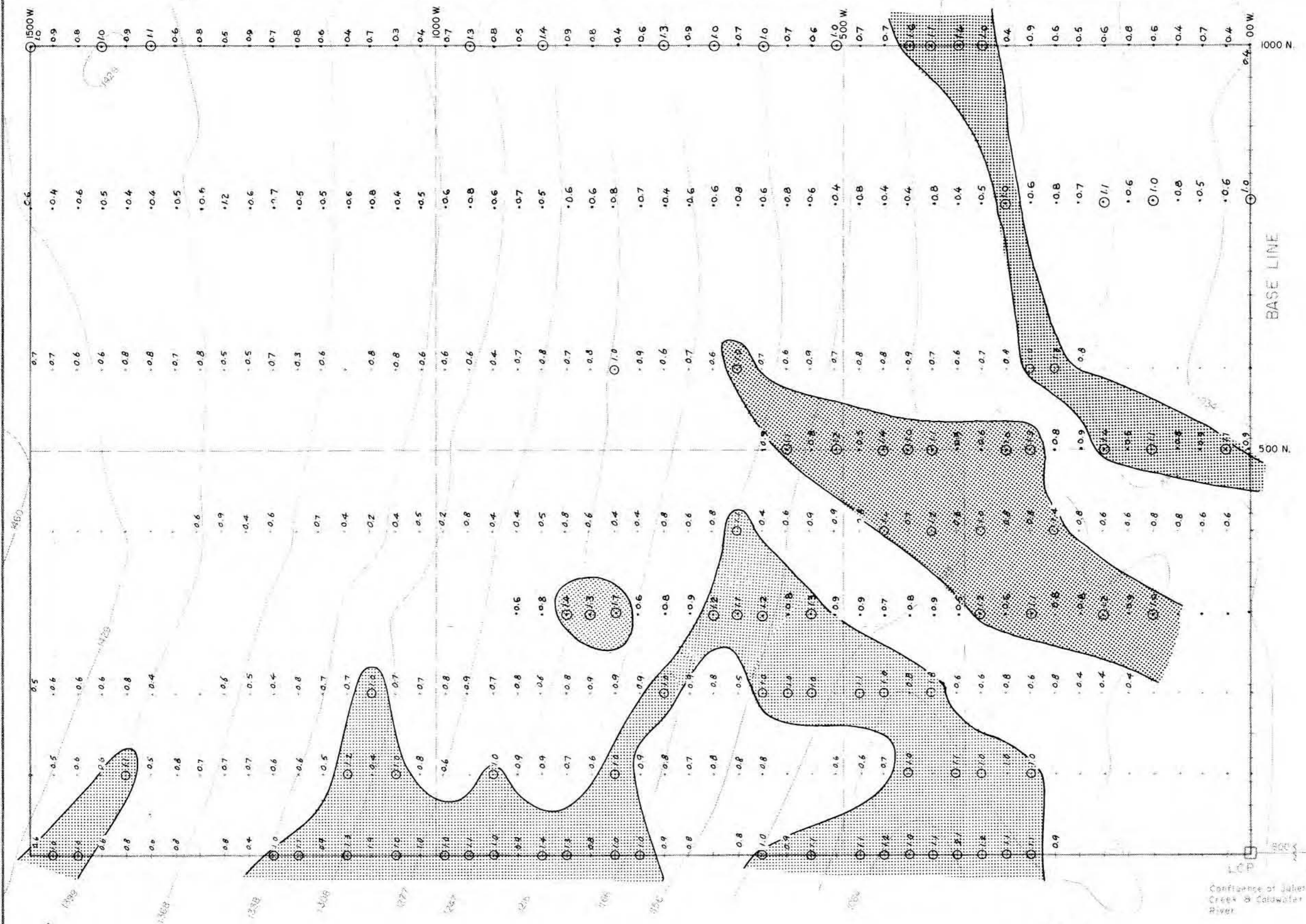


LEGEND

- ₂₀ VALUES ≥ 15 p.p.b.
- CONCENTRATION OF GOLD VALUES

Topography enlarged from 1:50,000 scale map

GIANT BAY RESOURCES INC.		
G. A. NOEL & ASSOCIATES INC. Vancouver, B.C.		
SOIL GOLD GEOCHEMISTRY		
BAY CLAIM GROUP NICOLA M.D., B.C. N.T.S. 92H/14E		
Scale. 1:5,000	Date. Oct.-Nov. 1982	Fig. No. 3
Drawn. B. Taylor	REVISED AUG. 1983	

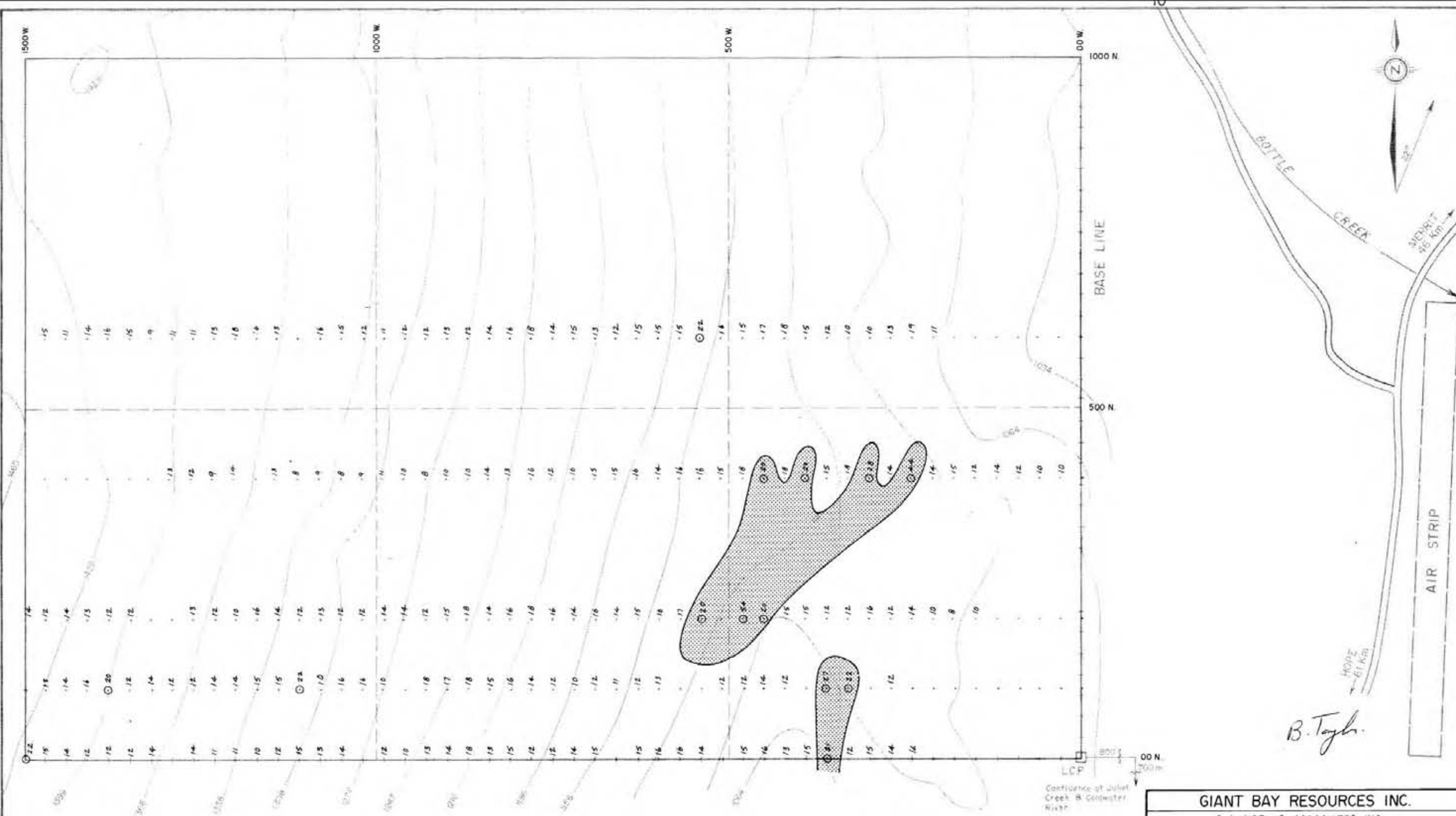


LEGEND

- // VALUES ≥ 1.0 p.p.m.
- CONCENTRATION OF SILVER VALUES

Topography enlarged from 1:50,000 scale map

GIANT BAY RESOURCES INC.		
G. A. NOEL & ASSOCIATES INC. Vancouver, B.C.		
SOIL SILVER GEOCHEMISTRY		
BAY CLAIM GROUP NICOLA M.D., B.C. N.T.S. 92H/14E		
Scale. 1:5,000	Date. Oct.-Nov. 1982 --REVISED AUG. 1983	Fig. No. 4
Drawn. B. Taylor		



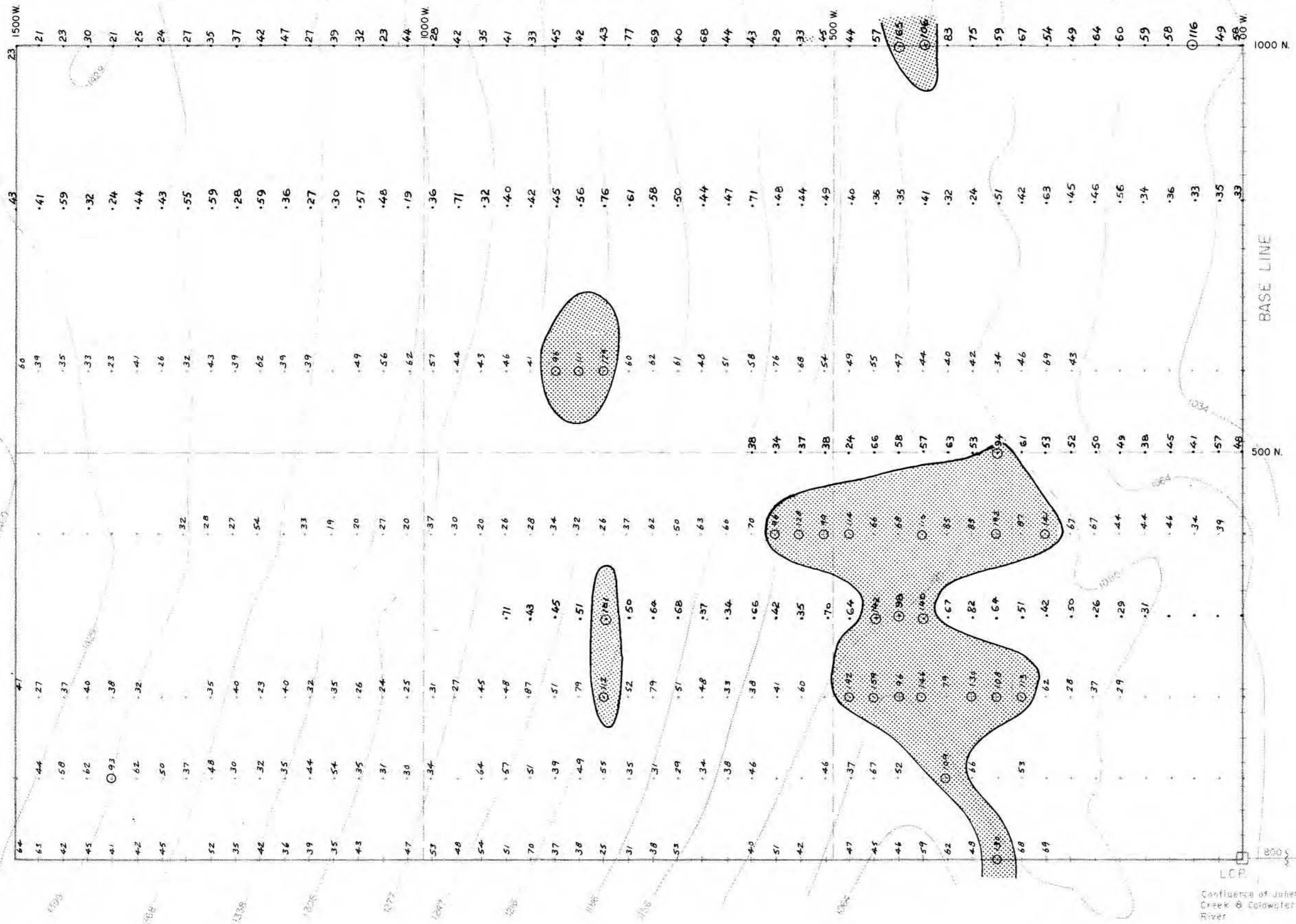
B. Taylor

LEGEND

- 21 VALUES ≤ 20 ppm.
- CONCENTRATION OF LEAD VALUES

Topography enlarged from 1:50,000 scale map

GIANT BAY RESOURCES INC.		
G. A. NOEL & ASSOCIATES INC. Vancouver, B. C.		
SOIL LEAD GEOCHEMISTRY		
BAY CLAIM GROUP NICOLA M. D., B.C. N.T.S. 92H/14E		
Scale: 1:5,000	Date: Oct.-Nov. 1982	Fig. No. 5
Drawn: B. Taylor		



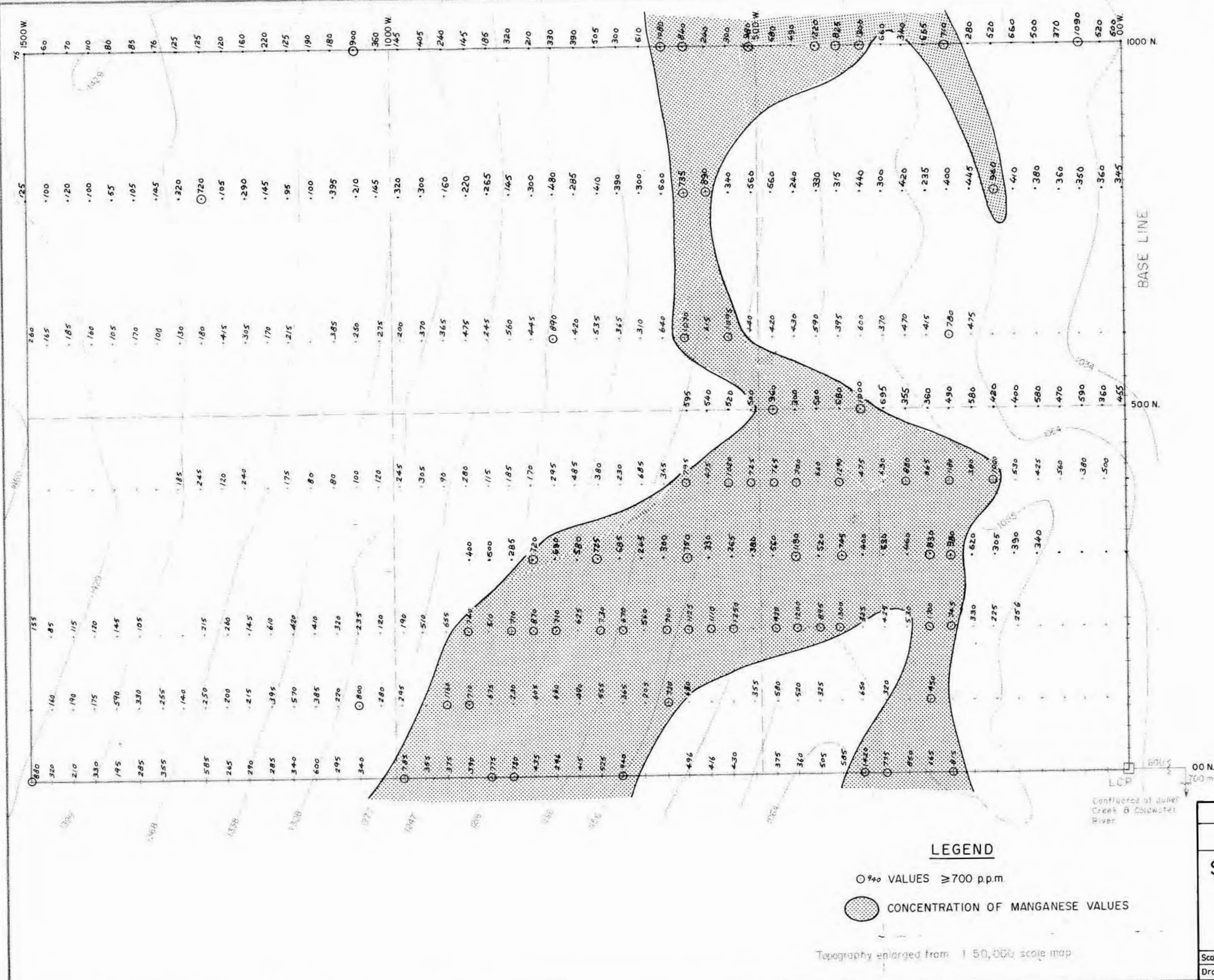
LEGEND

- % VALUES ≥ 90 ppm.
- CONCENTRATION OF ZINC VALUES

Topography enlarged from 1:50,000 scale map

B. Taylor

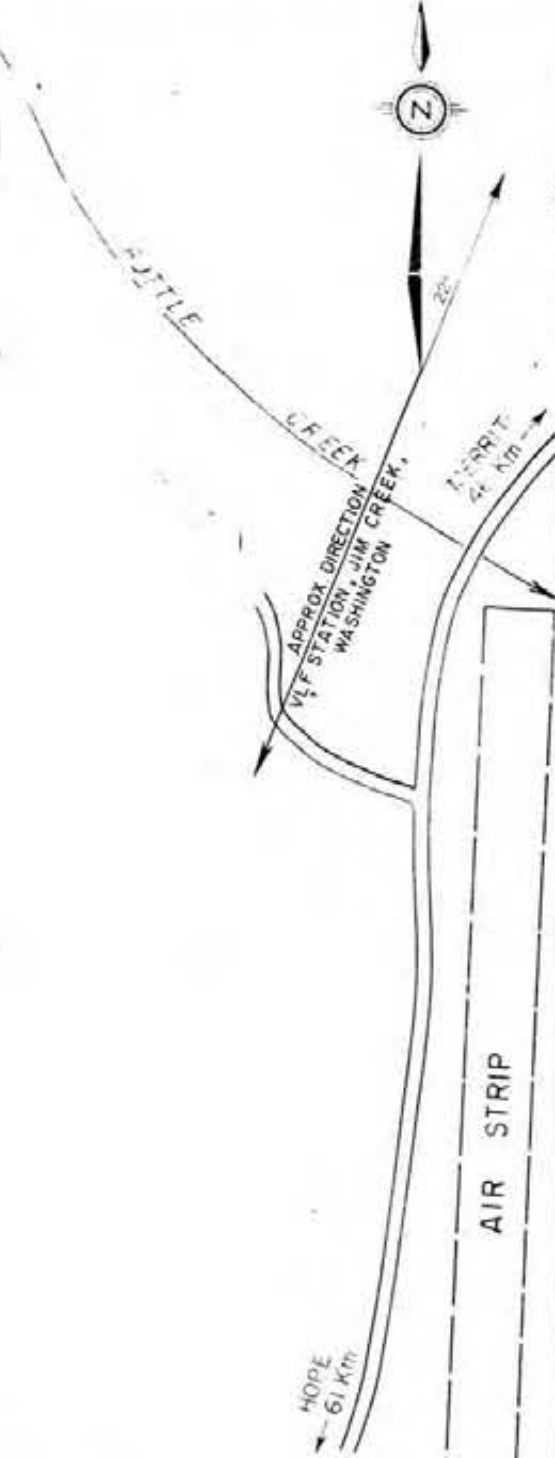
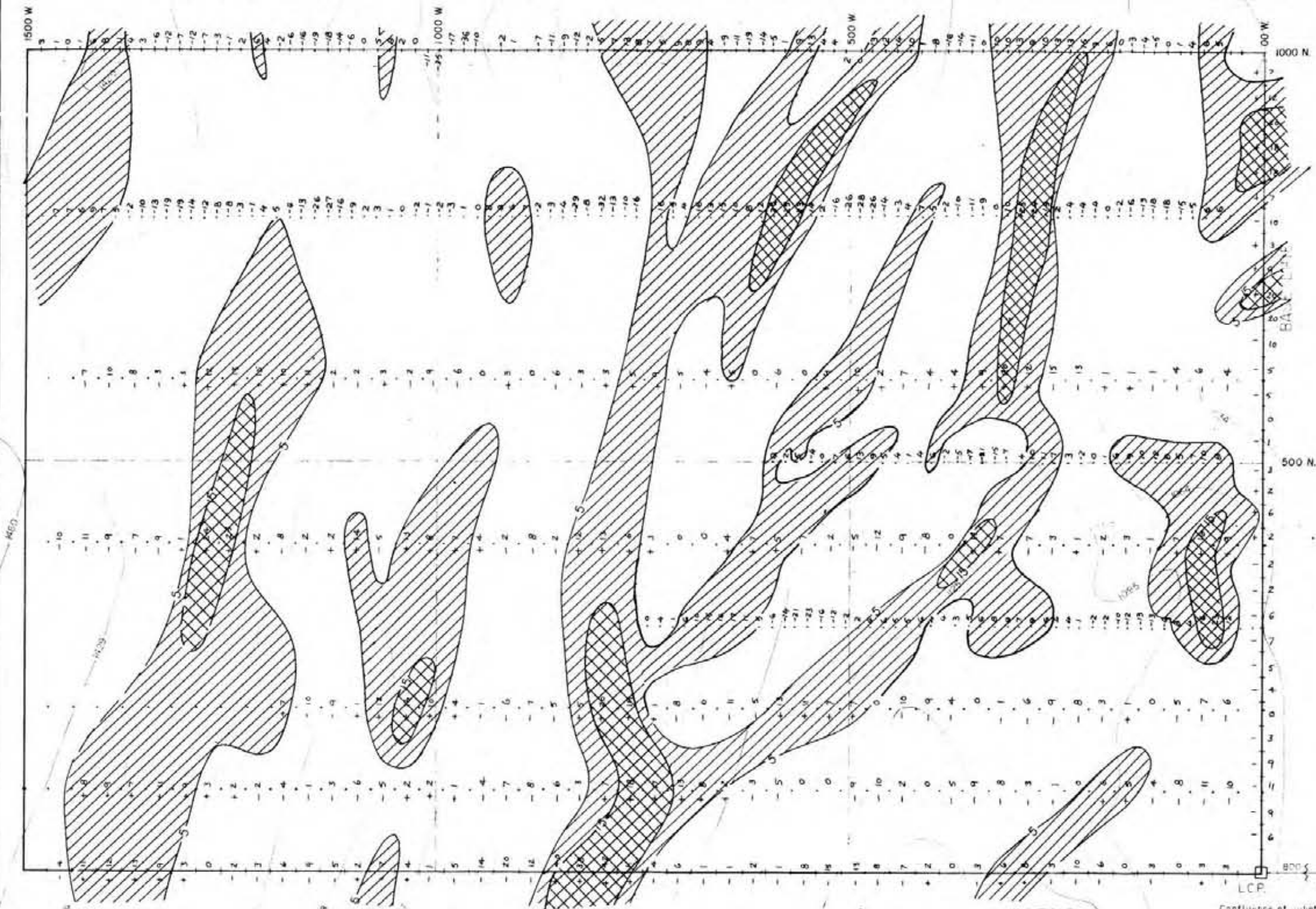
GIANT BAY RESOURCES INC.		
G. A. NOEL & ASSOCIATES INC. Vancouver, B. C.		
SOIL ZINC GEOCHEMISTRY		
BAY CLAIM GROUP NICOLA M.D., B.C. N.T.S. 92H/14E		
Scale: 1:5,000	Date: Oct.-Nov. 1982 REVISED AUG. 1983	Fig. No. 6
Drawn: B. Taylor		







B. Taylor

GIANT BAY RESOURCES INC.		
G. A. NOEL & ASSOCIATES INC. Vancouver, B. C.		
SOIL MANGANESE GEOCHEMISTRY		
BAY CLAIM GROUP NICOLA M.D., B.C. N.T.S. 92 H/14 E		
Scale. 1: 5,000	Date. Oct.-Nov. 1982 REVISED AUG 1983	Fig. No. 7
Drawn. B. Taylor		

Topography enlarged from 1:50,000 scale map



LEGEND

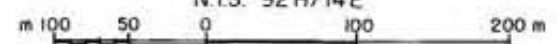
-  LOCATION AND VALUE OF FRASER FILTERED RONKA EM READINGS
-  FILTERED DIP ANGLE IN POSITIVE DEGREES
-  >15
-  5-15

Topography enlarged from 1:50,000 scale map

B. Taylor

INSTRUMENT:
RONKA EM 16 ELECTROMAGNETOMETER

TRANSMITTER:
JIM CREEK, WASHINGTON

GIANT BAY RESOURCES INC.	
G. A. NOEL & ASSOCIATES INC. Vancouver, B.C.	
FRASER FILTERED VLFEM READINGS	
BAY CLAIM GROUP NICOLA M.D., B.C. N.T.S. 92H/14E	
	

anomalous values. Two small areas of anomalous values were located, along with a number of isolated occurrences.

Silver is presented as Figure 4. The background values are 0.9 ppm and below. The better values lie along the south boundary fo the claim and its southeast corner. The anomalous zones appear to have a northwesterly trend.

Lead is presented as Figure 5. No analysis was done for lead in 1983, so its appearance here is only for completeness of the report. The background values are 19 ppm and below. A relatively small area centred about 300N 350W contains all the better values.

Zinc is shown as Figure 6. The background is 90 ppm and below. A concentration of higher values exists in the southeast corner of the claim area, also centred about 300N 350W.

Manganese is shown as Figure 7. Background values are 700ppm and below. An area larger than that covered by the previous metals is considered anomalous. Manganese in this instance is regarded as a pathfinder element in that it occurs in the vein gangue. The shape and areal extent of its anomalous area is significant.

To Summarize. The pattern of higher values for all metals is still the southeast corner of the claim. This is the area with the most rock outcropping and thus most easily prospected.

GEOPHYSICS

A VLF EM Survey was made over the cut lines. This has been integrated with the November 1982 survey and now covers

the entire property. Details of the equipment, theory and procedures are appended, as well as Figure 9 which shows the readings as taken. It will be noted that readings were taken on 15 metre centres in contrast to the 30 metre spacing used in 1982. However, the filtering was done on a 30 metre base to conform with the previous work. Figure 8 shows the Fraser filtered dip angles as contours. They may be interpreted as northeasterly striking conductors. They are on the strike of a similar conductor found on the neighboring NEW claim. This enhances anomalous manganese geochemical indications found in the same area.

MAPPING

Geologic mapping and prospecting was carried out from all lines and plotted on a scale of 1:5000. Rock samples were taken in the locations indicated on Figure 2, the Geological Map.

CONCLUSIONS & RECOMMENDATIONS

The VLF EM survey indicates northeasterly trending conductors are present. These may represent veins similar to the ones found on the Keystone property several kilometres to the south. The presence of modestly anomalous concentrations of manganese, lead, zinc and silver support this possibility. However, the geological mapping and rock sampling to date has not found anything of interest.

It is recommended that exploration work should be suspended at this time, with the ground being retained for possible future work. The claims are in a geologically interesting area with ground nearby being held by Newbury Exploration and Cominco. The building of the highway through the valley may reveal mineralization or alteration which could also enhance the mineral exploration possibilities of the property.

Respectfully submitted,

B. Taylor.
B. TAYLOR, P.Eng.

COST STATEMENT

Wages:

Barry Dent - August 10-21, 1983 12 days @ 150.00	\$1,800.00
Delbert McDonald - " "	1,800.00

Services:

B. Taylor, P.Eng - August 21-26 & 4 office days - 10 days @ 300.00	3,000.00
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Accomodation and Food	984.71
-----------------------	--------

Vehicle Rental - 1076k @ 20¢	215.20
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Ronka EM 16 Rental - August 21-27, 6 days @ \$25.00	150.00
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Chain Saw Rental - August 10-21 10 days @ \$10.00	100.00
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Assaying

Min-En Laboratories, North Vancouver	1,510.00
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Report preparation	<u>261.50</u>
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Total	\$9,821.41
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Respectfully submitted

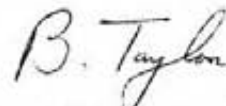
B. Taylor
B. TAYLOR, P.Eng.

CERTIFICATE

I, Bert Taylor, do hereby certify that:

1. I am a practicing geological engineer, with G.A. Noel & Associates Inc., 721-602 West Hastings Street, Vancouver, B.C.
2. I am a graduate of the University of Saskatchewan and have been granted the degree of Bachelor of Science in Geological Engineering.
3. I have been practicing my profession as a geological engineer for over 25 years.
4. I am a member of the Association of Professional Engineers of British Columbia, Registration No. 7879.
5. I have no interest, nor expect to receive any interest, direct or indirect, in the properties or securities of Giant Bay Resources Ltd.
6. The information in this report is from a study of previous reports and from my visits to the property, Oct. 24, Oct. 30-Nov. 7, 1982 and Aug. 21-26, 1983.
7. Giant Bay Resources Ltd. is hereby authorized to use this report, or any part of it, for the purpose of financing or as otherwise required by regulatory authorities.

DATED THIS 6 th Day of October , 1983



B. TAYLOR, P.Eng.

REFERENCES

- Geological Survey of Canada - Map 737A Hope map sheet
- Map 888A Princeton map sheet
as part of Memoir 243
- Map 12-1969 Accompanying
Paper 69-47
- B.C. Department of Mines - MMAR 1936 Pages D31, 32
- L.S. Trenholme - NEW claim Summary Report
private report for Newbury
Exploration Ltd., Jan. 28 1981
- Taylor, B. - BAY claim, Geological, Geochemical,
VLF EM Report Nov. 25, 1982.

APPENDIX A
ANALYSIS DATA SHEETS

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 September 1/1983

File No. 3-873 Date samples received August 27/1983

Samples submitted by:

Company: G.A. & Associates

Report on: Geochem samples

..... 9 Assay samples

Copies sent to:

1. G.A. & Associates, Vancouver, B.C.

2.

3.

Samples: Sieved to mesh Ground to mesh -100

Prepared samples stored discarded

rejects assay stored discarded

Methods of analysis: Au fire assay., Ag acid digestion chemical
analysis

Remarks:

SPECIALISTS IN MINERAL ENVIRONMENTS

MIN-EN Laboratories Ltd.

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

ANALYTICAL REPORT

Project Bay Claim Date of report Sept. 21/83.

File No. 3-1000 Date samples received Sept. 12/83.

Samples submitted by:

Company: G.A. Noel & Assoc.

Report on: 150 soils Geochem samples

..... Assay samples

Copies sent to:

1. G.A. Noel & Assoc., Vancouver, B.C.

2.

3.

Samples: Sieved to mesh -80 Ground to mesh

Prepared samples stored discarded

rejects stored discarded

Methods of analysis: Zn, Ag, Mn-nitric, perchloric digestion.A.A.,

Au-aqua regia.A.A.

Remarks:

SPECIALISTS IN MINERAL ENVIRONMENTS

COMPAT

G.A. Noel & Assoc.

GEOCHEMICAL ANALYSIS DATA SHEET

F to 3-1000

PROJECT No.: Bay Claim

MIN - EN Laboratories Ltd.

DATE: Sept. 21

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

PHONE (604) 980-5814

1983.

ATTENTION:

Sample Number	6 10 86 90	15 Cu ppm 95	20 Pb ppm 100	25 Zn ppm 105	30 Ni ppm 110	35 Co ppm 115	40 Ag ppm 120	45 Fe ppm 125	50 Hg ppb 130	55 As ppm 135	60 Mn ppm 140	65 Au ppb 145	70 150	75 155	80 160
GB-10N-630W				44			7				1080	5			
	660			68			10				610	10			
	690			40			9				300	5			
	720			69			13				505	5			
	750			77			6				390	15			
	780			43			4				330	10			
	810			42			8				210	5			
	840			45			9				320	30			
	870			33			14				185	25			
	900			41			5				145	20			
	930			35			8				240	5			
	960			42			13				405	15			
	990			28			7				145	5			
	1020			44			4				360	15			
	1050			23			3				900	10			
	1080			32			7				180	10			
	1110			39			4				190	15			
	1140			27			6				125	15			
	1170			47			8				220	<5			
	1200			42			7				160	10			
	1230			37			9				120	<5			
	1260			35			5				125	5			
	1290			27			8				125	10			
	1320			24			6				70	5			
	1350			25			11				85	15			
	1380			21			9				80	5			
	1410			30			10				110	10			
	1440			23			8				70	10			
	1470			21			9				60	15			
GB10N1500W				23			10				75	10			

CERTIFIED BY



GEOCHEMICAL ANALYSIS DATA SHEET

PROJECT No.: Bay Claim

MIN - EN Laboratories Ltd.

DATE: Sept. 2

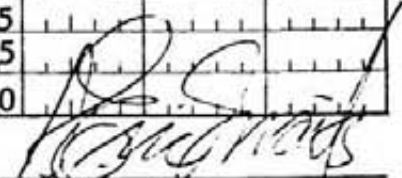
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

1983.

ATTENTION:

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				
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
GB8N1260W				5.9			1.2				7.20	5				
1290				5.5			0.6				3.20	10				
1320				4.3			0.5				1.45	5				
1350				4.4			0.4				1.05	15				
1380				2.4			0.4				5.5	10				
1410				3.2			0.5				1.00	10				
1440				5.9			0.6				1.20	5				
1470				4.1			0.4				1.00	5				
GB8N1500W				4.3			0.6				1.25	5				
GB10N0W				5.8			0.4				5.00	10				
30				4.9			0.4				5.20	5				
60				11.6			0.7				10.90	5				
90				5.8			0.4				3.70	5				
120				5.9			0.6				5.00	10				
150				6.0			0.8				6.60	5				
180				6.4			0.6				5.20	15				
210				4.9			0.5				2.80	10	(40 mesh)			
240				5.4			0.6				7.10	15				
270				6.7			0.9				6.65	10				
300				5.9			0.4				3.40	5				
330				7.5			1.0				6.60	5				
370				8.3			1.4				13.00	10				
390				10.6			1.1				8.25	5				
420				16.5			1.6				12.20	25				
450				5.7			0.7				4.90	20				
480				4.4			0.7				6.80	10				
510				4.5			1.0				9.40	10				
540				3.3			0.6				3.00	5				
570				2.9			0.7				2.40	5				
GB10N600W				4.3			1.0				8.40	10				

CERTIFIED BY



COMPAL

G.A. Noel & Assoc.

GEOCHEMICAL ANALYSIS DATA SHEET

F No. 3-1000

PROJECT No.: Bay Claim

MIN - EN Laboratories Ltd.

DATE: Sept. 21

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

PHONE (604) 980-5814

1983.

ATTENTION:

6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
Sample.	As	Cu	Pb	Zn	Ni	Co	Ag	Fe	Hg	As	Mn	Au				
Number	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb				
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
GB5N90W				45			0.8				4.70	5				
120				38			1.1				5.80	15				
150				49			0.5				4.00	10				
180				50			1.4				4.20	5				
210				52			0.9				5.80	10				
240				53			0.8				4.90	5				
270				61			1.3				3.60	5				
300				94			1.0				3.55	15				
330				53			0.6				6.95	20				
360				63			0.9				10.00	15				
390				57			1.1				6.80	30				
420				53			1.0				5.00	30				
450				66			1.4				3.00	10				
480				24			0.5				9.60	5				
510				38			1.2				5.00	15				
540				37			0.8				5.20	5				
570				34			1.1				5.40	5				
GB5N600W				38			0.9				5.95	15				
GB8N0W				33			1.0				3.45	10				
30				35			0.6				3.60	5				
60				33			0.5				3.50	15				
90				36			0.8				3.60	10				
120				34			1.0				3.80	10				
150				56			0.6				4.10	10				
180				46			1.1				9.60	5				
210				45			0.7				4.45	20				
240				63			0.8				4.00	5				
270				42			0.6				2.35	10				
300				51			1.0				4.20	10				
GB8N330W				24			0.5				3.00	5				

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GEOCHEMICAL ANALYSIS DATA SHEET

PROJECT No.: Bay Claim

MIN - EN Laboratories Ltd.

DATE: Sept. 21

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

PHONE (604) 980-5814

1983.

ATTENTION:

6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
Sample.	Cu	Pb	Zn	Ni	Co	Ag	Fe	Hg	As	Mn	Au				
Number	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb				
81	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
GB8N360W			32				0.4				44.0	5			
390			41				0.8				31.5	10			
420			35				0.4				33.0	5			
450			36				0.4				24.0	5			
480			40				0.8				56.0	5			
510			49				0.4				56.0	5			
540			44				0.6				34.0	5			
570			48				0.8				89.0	5			
600			71				0.6				73.5	5			
630			47				0.8				60.0	5			
660			44				0.6				30.0	5			
690			50				0.6				39.0	5			
720			58				0.4				41.0	5			
750			61				0.7				28.5	10			
780			76				0.8				48.0	5			
810			56				0.6				30.0	5			
840			45				0.6				14.5	5			
870			42				0.5				26.5	5			
900			40				0.7				22.0	15			
930			32				0.6				16.0	10			
960			71				0.8				30.0	5			
990			36				0.6				32.0	5			
1020			19				0.5				14.5	5			
1050			48				0.4				21.0	10			
1080			57				0.8				39.5	5			
1110			30				0.6				10.0	10			
1140			27				0.5				9.5	5			
1170			36				0.5				14.5	5			
1200			59				0.7				29.0	5			
GB8N1230W			28				0.6				10.5	5			

COMPAT

G.A. Noel & Assoc.

GEOCHEMICAL ANALYSIS DATA SHEET

Form 3-1000

PROJECT No.: Bay Claim

MIN - EN Laboratories Ltd.

DATE: Sept. 21

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

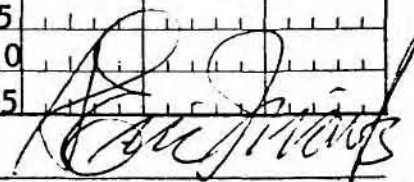
PHONE (604) 980-5814

1983.

ATTENTION:

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				
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
GB3N120W				31			10				340	5				
150				29			09				390	5				
180				26			12				305	5				
210				50			08				620	45				
240				46			08				980	15				
270				51			11				830	10				
300				64			06				460	5				
330				82			12				630	15				
360				67			05				400	10				
390				140			09				745	45				
420				98			08				520	10				
450				142			07				1190	5				
480				64			09				560	10				
510				70			09				380	5				
540				35			13				265	10				
570				42			08				330	15				
600				66			12				750	5				
630				34			11				300	5				
660				37			12				245	15				
690				68			09				685	25				
720				64			08				725	20				
750				50			06				580	10				
780				101			17				690	20				
810				51			13				720	5				
840				45			14				285	10				
870				43			08				600	5				
GB3N900W				71			06				400	5				
GB5N0W				48			09				455	5				
30				57			11				360	10				
GB5N60W				41			09				590	45				

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APPENDIX B

VL FEM

-Instrument specifications

-Theory and Procedure

readings as recorded

Instrument Specifications

VERY LOW FREQUENCY ELECTROMAGNETOMETER

A. Instrument

- (a) Type - Geonics VLF-EM
- (b) Make - Ronka EM 16

B. Specifications

- Measurement -
- (i) Utilizes primary fields generated by VLF marine communication stations measures the vertical field components in terms of horizontal field present.
 - (ii) Frequency range 15-25 KHz
 - (iii) Range of measurement - in phase + 150%
or +90°
- quadrature +40%
 - (iv) Method of reading - null detection by earphone, in phase and quadrature from mechanical dials.
 - (v) Accuracy - + 1% resolution

C. Survey Procedures

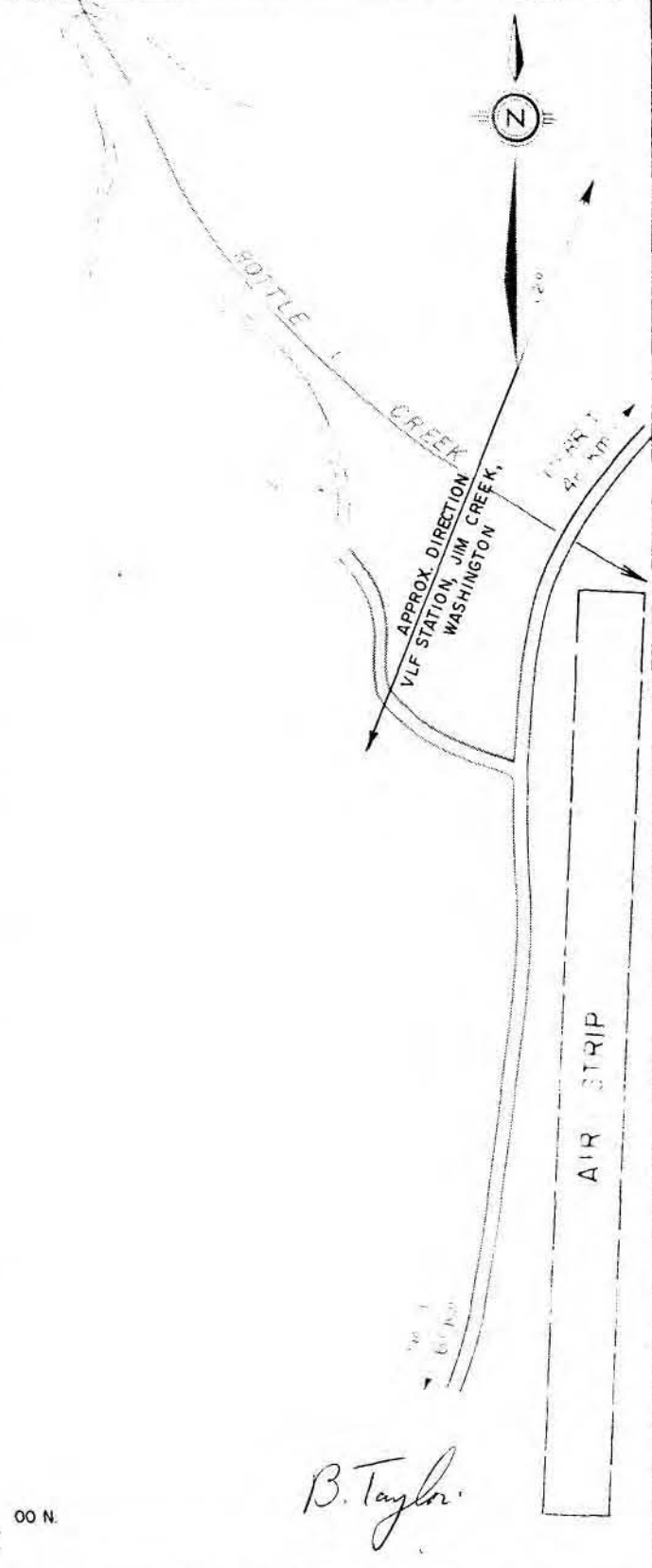
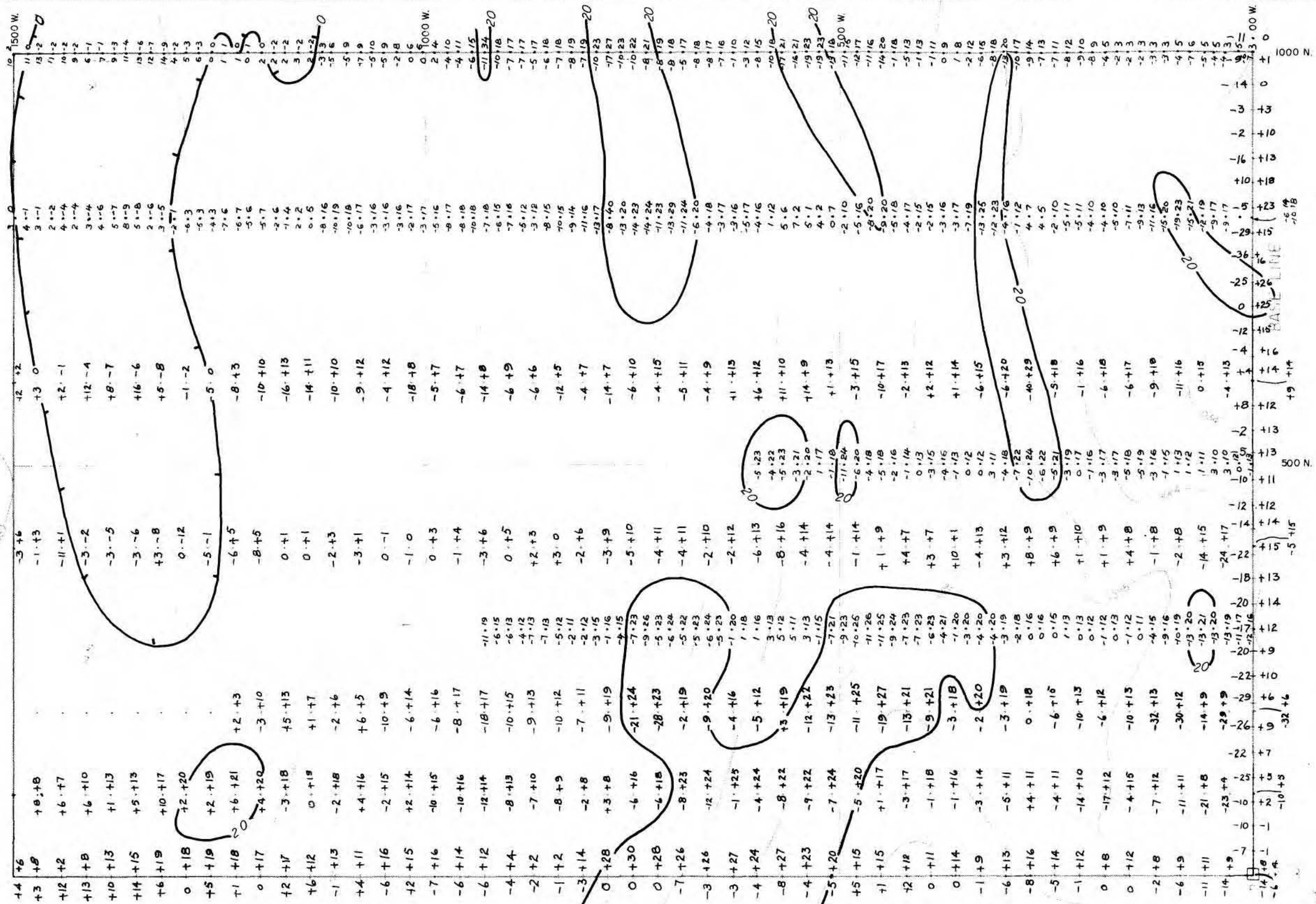
- Method
- (a) Select Jim Creek, Washington transmitter.
 - (b) In-phase dial measures degree of tilt from vertical position in degrees.
 - (c) Quadrature dial calibrated in percent - null.
 - (d) Station plot - plot values read at station surveyed. See Figure 9.
 - (e) Manually filter dip-angle data.
 - (f) Filtered data presented in Figure 8.

V.L.F. ELECTROMAGNETOMETER SURVEY

This survey was conducted using a Geonics EM-16 VLF Electromagnetometer. This instrument acts as a receiver only. It utilizes the primary electromagnetic fields generated by VLF marine communication stations. These stations operate at a frequency between 15-20 KHz, and have a vertical antenna-current resulting in a horizontal primary field. This VLF-EM instrument measures the dip-angle of the secondary field induced in a conductor.

For maximum coupling, a transmitter station located in the same direction as the geological strike should be selected, because the direction of the horizontal electromagnetic field is perpendicular to the direction of the transmitting station. In this survey, the transmitter at Jim Creek, Washington, is well situated.

Readings were taken at 30 m intervals and the data filtered in the field by the operator as described by D.C. Fraser, Geophysics Vol. 34, No. 6 (December 1969). The advantage of this filtration method is that it removes the dc and attenuates long wave lengths to increase resolution of local anomalies, and phase shifts the dip-angle data by 90 degrees so that cross-overs and inflections will be transformed into peaks to yield contourable quantities.



B. Taylor

LEGEND

QUADRATURE \swarrow \searrow \nearrow \nwarrow
 DIP ANGLE IN DEGREES
 LOCATION, VALUE OF RONKA EM READINGS
 INSTRUMENT:
 RONKA EM 16 ELECTROMAGNETOMETER
 TRANSMITTER:
 JIM CREEK, WASHINGTON

NOTE: FIELD MEASURED DIP ANGLES ARE CONTOURED ON 0 & 20 READINGS.

GIANT BAY RESOURCES INC.		
G. A. NOEL & ASSOCIATES INC. Vancouver, B. C.		
VLF EM READINGS		
BAY CLAIM GROUP NICOLA M. D., B.C. N.T.S. 92H/14E		
Scale: 1: 5,000	Date: Oct. - Nov. 1982 REVISED AUG. 1983	Fig. No. 9
Drawn: B. Taylor		