

5736

REPORT ON

JOHN GROUP
SLOCAN MINING DIVISION
82-K-6 E 1/2 117°07' 50°28'

for

SPROATT SILVER MINES LTD.
333-885 Dunsmuir Street
Vancouver, B.C.

by

J.W. MacLeod, P. Eng.

Vancouver, B.C.
Dec. 15, 1975

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5736 MAP

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ILLUSTRATIONS

	<u>Scale</u>
# 1 Location Map	1" = 2 miles
2 Plan of Claims	1" = 2640'
3 Geological Plan (after W. Mathews)	1" = 200'
4 Plan of Trenches	1" = 100'
5 Silver in Soils	1" = 100'
6 Lead in Soils	1" = 100'
7 Zinc in Soils	1" = 100'

INTRODUCTION

The following report has been prepared to fulfill the requirements of the Mineral Act governing the filing of geochemical work and hand trenching for assessment credit.

The report is based on a review of available reports listed in Appendix I and an examination of the area of the principal mineral showings on August 12, 1975.

SUMMARY & CONCLUSIONS:

Between August 1 and August 12 Sproatt Silver Mines Ltd. carried out a geochemical orientation survey and hand trenching in the vicinity of the showing known as 9S and now covered by claim John 5.

The survey confirmed that this approach is effective in outlining and prospecting for lead-zinc mineralization in the geological setting encountered.

Followup geochemistry and geophysics costing \$10,000.00 is recommended to locate potential drill targets.

PROPERTY

The JOHN 1 to 10 mineral claims with Record Nos. 18182A to 18191A were recorded on January 8, 1975 and transferred to Sproatt Silver Mines Ltd. on June 4, 1975.

HISTORY

The first report of activity in the immediate vicinity of the JOHN Group was recorded in the 1914 issue of the Minister of Mines Report on page 324. No other reference is found in the Minister of Mines Reports.

The ground was held in 1952-53 by New Jersey Zinc and W.H. Mathews did detailed geological mapping using plane table control for this company. A copy of Dr. Mathews map accompanies this report. The ground was held between 1963 and 1973 but no record of work accomplished during this period is available.

HISTORY CONT'D.

The physical work concerned with this report was carried out between August 1 and August 12 by experienced field men, Tom Cross and M. Bratlein.

LOCATION & ACCESS

The JOHN Group is located on Mt. Johnson, 40 air miles north of Kaslo and about 150 road miles from the smelter at Trail.

Mt. Johnson, Elevation 7664 feet, is one of the rugged peaks of the Duncan Range, 2.5 miles east of the Lardeau River Valley with elevation 2000 feet.

A forestry access road has been built to the 5500 foot level on the southwest slope of Mt. Johnson and no problem is anticipated in extending this road to the elevation of the showings.

GENERAL

The claim group covers an area practically all above timberline where outcrops are numerous and the covered areas either talus or light overburden.

From a review of available reports on the mineral occurrences in the area it was concluded that a possibility existed for a lead-zinc occurrence similar to a number of producers in the "Kootenay Arc". The mineralization on what is now JOHN 5 appeared to have the best tonnage potential of the some ten exposures of lead-zinc on the property so the initial test was directed to this zone previously referred to as "9S".

GEOLOGY

The property covers a portion of the "Kootenay Arc". the subject of a number of papers by Dr. Fyles of the B.C. Dept. of Mines. The most recent compilation of data on this area is by Wheeler of the G.S.C. and is available in Open File 288. Detailed geology of the property is available in Assessment Report No. 86 prepared by Dr. W.H. Mathews.

Mt. Johnson is underlain by the lower part of the Cambrian Lardeau Group. The green schist Index Formation is the youngest rock exposed. This formation overlies regionally a thick series of principally phyllites which due to facies change in the vicinity of Mt. Johnson are largely carbonate rocks. The presence of limestone and dolomite here accounts for the potential lead-zinc deposits.

In view of the considerable topographic relief, it is anticipated that the Badshot Limestone, a Lower Cambrian formation, which underlies the phyllites, should be found in the lower elevations on either side of Mt. Johnson.

MINERAL OCCURRENCES

Eleven showings of lead-zinc mineralization are described in Mathews' report 86. The most promising of these are 9N and 9S, which, although 3,000 feet apart may lie in the same zone. Here erratic mineralization, associated with dolomitization and silisification, is found in highly folded limestone close to the green-schist contact.

A sample from the last exposure on 9N assayed 0.004 Au, 1.14 Ag., 20.22% Pb., and 10.95% Zn. across one foot. A sample from 14 feet of the better mineralized section of Trench 1 on 9S showing assayed 0.004 Au., 0.40 Ag., 3.81% Pb., and 4.44% Zn.

GEOCHEMISTRY

An orientation survey for lead, zinc, and silver in soil, was carried out in the vicinity of the 9S showing to determine the effectiveness of this type of exploration. A total of 199 samples were taken at 50 foot intervals on lines 100 feet apart.

At the elevation of the survey there is very little soil development, particularly the green schist area is 90% bare rock. Over the carbonates and phyllite the soil seldom reaches a foot deep with little A horizon developed.

The shallow soil probably affects the prominent lead and zinc anomalies in the vicinity of the showings but it may be concluded that the method would be effective over the areas known to be underlain by carbonates and at the lower elevations where cover is more general.

APPENDIX I

RECOMMENDATIONS

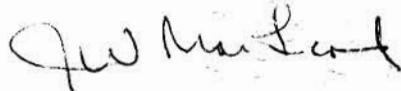
Available geological data suggest the favourable carbonate rock may occur between Lake and Hope Creek downhill from Mr. Johnson where soil cover is general. The claim group should be expanded to cover this area which could then be examined by geochemical means.

The area between the mineral occurrences on JOHN 5 (No 9S) and JOHN 1 (no. 9N) should be tested by geophysical surveys to provide drill targets.

Estimated Cost:

Geochemistry	800 samples @ \$10	= \$ 8,000.00
Geophysical survey	10 line miles @ \$200	= <u>2,000.00</u>
		\$10,000.00

Respectfully submitted



J.W. MacLeod, P. Eng.

Vancouver, B.C.

December 15, 1975

REFERENCES

- (i) B.C. Dept. of Mines Bulletin 1914 P.324
- (ii) Assessment Report No.86 by W. Mathews - 1953
- (iii) Bulletin 45, B.C. Dept. of Mines by J. Fyles - 1962
- (iv) Bulletin 49, B.C. Dept. of Mines by J. Fyles - 1964
- (v) Bulletin 61, State of Washington - 1970
- (vi) Report by J. Sullivan - 1970
- (vii) G.S.C. Mem. 369 - Ressor - 1973
- (viii) O.F. 288 - 1975
- (ix) Report by R.H. Seraphim - 1975

APPENDIX II

EXPENDITURE BY SPROATT SILVER MINES LTD.

- Personnel expenses	\$2,643.68
- Aircraft	957.93
- Sample analysis	477.06
- Drafting	255.00
- Report preparation	<u>200.00</u>
	\$4,533.67

MERV ENGINEERING CORP.
335 - 885 DUNSMUIR ST.
VANCOUVER, B.C. V6C 1N5

PHONE: 604 689-8325

August 28, 1975.

Invoice # 172

In Account With:

Sproatt Silver Mines Ltd.,
333-885 Dunsmuir Street,
Vancouver, B. C.

To disbursement of the wages of Mr. Bratlein and Mr. Cross re
the John Group, Lardeau, B. C. August 1 to 12th inclusive,
12 days @ \$70.00 per day.

Mr. Bratlein	\$	840.00	
Mr. Cross		840.00	
		<u>1,680.00</u>	
Plus 20% overhead		336.00	
		<u>\$2,016.00</u>	
Mr. Bratlein expense acct.		477.68	
			\$2,493.68

Professional Services J. W. MacLeod

One day @ \$150.00 per day.....	150.00
Total	<u><u>\$2,643.68</u></u>

Respectfully submitted,

J. W. MacLeod, P. Eng.

Handwritten notes:
2/1
10/11/75
10/11/75



VANGEOCHEM LAB LTD.

604-988-2172

1521 PEMBERTON AVE., NORTH VANCOUVER, B.C.
CANADA

IN ACCOUNT WITH:

Sproatt Silver Mines Ltd.,
333 - 885 Dunsmuir Street,
Vancouver, B. C.

INVOICE: 3466

DATE: August 19, 1975

TERMS: NET 21 DAYS

FOR REPORT

7 83 004
Job # 75-163

PROJECT:

ORDER NO.

199 oil samples for preparation	@ \$ 0.35	\$ 69.65
199 geochem analyses for Pb, Zn, Ag	@ \$ 2.25	447.75
		\$ 517.40
	Less 10% discount	51.74
	Total	\$ 465.66



VANGEOCHEM LAB LTD.

604-988-2172

1521 PEMBERTON AVE., NORTH VANCOUVER, B.C.
CANADA

IN ACCOUNT WITH:

Sproatt Silver Mines Ltd.,
333 - 885 Dunsmuir Street,
Vancouver, B. C.,
VGC 185

INVOICE: 3500

DATE: September 4, 1975

TERMS: NET 21 DAYS

FOR REPORT

Freight Recovery

PROJECT: Helged

Grand Forks area

ORDER NO.

Sample pick up at Greyhound bus express

Job/bill # F789162

\$ 11.40

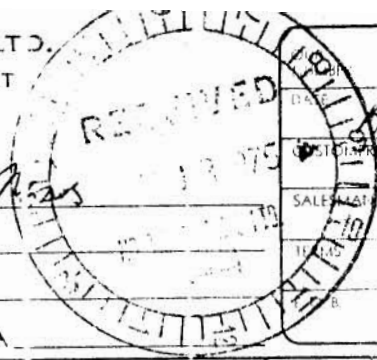
TOTAL 477.06

pd
sep 15/75
CH H. 536

APPENDIX III

ALTAIR DRAFTING SERVICES LTD.
 No. 5 - 821 WEST PENDER STREET
 VANCOUVER 1, B.C.

074703



SOLD TO

Sproatt Silver Mines

DATE *Aug 27/75*
 CUSTOMER'S ORDER
 SALESMAN
 TERMS
 P.O. NO.

SHIPPED TO

ADDRESS

VIA

INVOICE

Draft Base maps showing contours, creeks and basic geology.

23 m/hrs @ 10⁰⁰

230 00

*pd 15/75
 50%
 ch 53%*

Total \$ 230 00

REDIFORM - 7M32

ALTAIR DRAFTING SERVICE'S LTD.
 No. 5 - 821 WEST PENDER STREET
 VANCOUVER 1, B.C.

074555

ORDER NUMBER

DATE

CUSTOMER'S ORDER

SALESMAN

TERMS

P.O. NO.

SOLD TO

Sproatt Silver Mines

SHIPPED TO

Conrad Page Mine

ADDRESS

VIA

DATE *July 10/75*

INVOICE

Draft overlay on property area and additions to maps.

25 00

*pd Aug 16/75
 ch 52%*

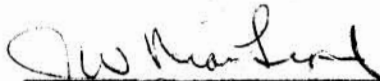
Total \$ 25 00

REDIFORM - 7M32

CERTIFICATE

I, James W. MacLeod, of 1220 Arbutus Street, in the city of Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. That I am a Consulting Engineer, with a business address at #333-885 Dunsmuir Street, in the City of Vancouver, in the Province of British Columbia.
2. That I am a graduate of the University of Alberta with the degree of B.Sc. in Mining Engineering.
3. That I have actively practiced my profession in mineral exploration since graduation in 1946.
4. That I am a registered Professional Engineer in the Province of British Columbia.
5. That this report is based on a review of all data listed in Appendix I and a visit to the property on August 12, 1975.



J.W. MacLeod, B.Sc., P. Eng.

Dated at the City of Vancouver, Province of British Columbia, this 15th day of December, 1975.

APPENDIX IV



VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA 604-988-2172

December 15, 1975

TO: Sproatt Silver Mines Ltd.,
333 - 885 Dunsmuir Street,
Vancouver, B. C.,
V6C 1N5

FROM: Mr. Conway Chun,
Vangeochem Lab Ltd.,
1521 Pemberton Avenue,
North Vancouver, B. C.

SUBJECT: Analytical procedure used to determine acid soluble
Pb, Zn, Ag in geochemical samples.

Re: Analytical Report # 75-83-004

1. Sample Preparation

- (a) Geochemical soil or silt samples were received in the laboratory in wet-strength 3½ x 6½ Kraft paper bags.
- (b) The wet samples were dried in a ventilated oven.
- (c) The dried soil and silt samples were sifted by using a shaking machine with an 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

2. Methods of Digestion

- (a) 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.
- (b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).

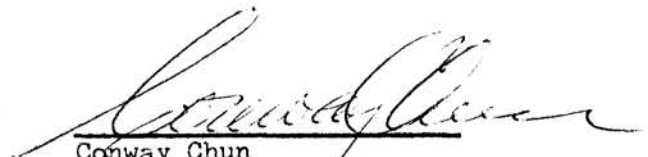
.....2

- (c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

3. Method of Analysis

Pb, Zn, Ag analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA4 or Model AA5 with their respective hollow cathode lamp. The digested samples were aspirated directly into an air and acetylene flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit.

4. The analyses were supervised or determined by Mr. Conway Chun and the laboratory staff.


Conway Chun
VANGEOCHEM LAB LTD.

CC:smb



VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 988-2172
AREA CODE: 604

• Specialising in Trace Elements Analyses •

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Sproatt Silver Mines Ltd.,
333 - 885 Dunsmuir Street,
Vancouver, B. C.
Attention:

Report No: **75 83 004** Page **1** of **6**
Samples Arrived: **August 14, 1975**
Report Completed: **August 19, 1975**
For Project:
Analyst: **E.T., R.N.**
Invoice # **3466** Job # **75-163**

Sample Marking	Pb ppm	Zn ppm	Ag ppm			
BL 1 + 000 N	43	45	0.6			
1 + 000 + 50 W	53	32	0.4			
1 + 000 N + 100 W	590	117	1.4			
+ 150 W	71	100	0.8			
+ 200 W	26	55	0.6			
+ 250 W	27	72	0.7			
+ 300 W	65	62	0.8			
+ 350 W	50	92	0.6			
+ 400 W	500	60	1.4			
1 + 000 N + 450 W	14	10	0.7			
8 + 00 N B.L.	113	142	0.6			
8 + 00 N + 50 W	2680	3020	3.0			
+ 100 W	428	252	1.0			
+ 150 W	1990	650	0.8			
+ 200 W	1150	1120	1.1			
+ 250 W	480	230	0.6			
+ 300 W	58	110	1.0			
+ 350 W	150	76	0.8			
+ 400 W	35	20	0.8			
8 + 100 N + 450 W	23	92	0.7			
9 + 00 N B.L.	234	99	0.8			
9 + 00 N + 50 W	510	110	0.8			
+ 100 W	427	230	1.2			
+ 150 W	3640	1620	1.6			
+ 200 W	234	182	0.8			
+ 250 W	46	130	0.7			
+ 300 W	232	173	0.8			
+ 350 W	35	103	0.8			
+ 400 W	17	20	0.6			
9 + 00 N + 450 W	58	65	0.6			
00 B.L.	235	89	0.8			
00 + 50 E	144	148	0.9			
+ 50 W	73	95	0.8			
00 + 100 E	135	190	1.6			
100 N B.L.	23	27	0.4			
100 N + 50 E	40	96	0.6			
+ 50 W	20	79	0.6			
+ 100 E	7	32	0.2			
100 N + 100 W	102	142	0.8			

MASTER PRINTING LTD.

REMARKS:

Signed: 

% Mo x 1.6683 = % MoS₂

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

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Spreatt Silver Mines Ltd.

Report No: **75 83 004** Page **2** of **6**
Samples Arrived:
Report Completed:
For Project:
Analyst:

Attention:

Sample Marking	Pb ppm	Zn ppm	Ag ppm			
200 N B.L.	46	82	1.0			
200 N + 50 E	95	123	0.8			
+ 50 W	175	123	1.0			
+ 100 E	69	100	0.8			
+ 100 W	34	40	0.6			
+ 150 E	510	125	1.6			
+ 150 W	78	148	0.8			
+ 200 E	308	142	1.0			
200 N + 200 W	110	150	1.2			
300 N B.L.	44	85	0.8			
+ 50 E	32	87	0.6			
+ 50 W	67	162	0.8			
+ 100 E	240	110	1.0			
+ 100 W	43	65	0.7			
+ 150 E	142	155	0.9			
+ 150 W	62	90	0.8			
+ 200 E	90	183	1.1			
300 N + 200 W	172	320	1.2			
400 N B.L.	398	212	0.6			
400 N + 50 E	126	190	0.8			
+ 50 W	44	105	1.0			
+ 100 E	37	102	1.1			
+ 100 W	51	95	1.0			
+ 150 E	64	118	1.2			
+ 150 W	82	68	0.9			
+ 200 W	42	42	1.0			
+ 250 W	15	20	0.7			
+ 300 W	18	42	0.8			
400 N + 350 W	32	84	0.8			
500 N B.L.	71	92	0.9			
500 N + 50 E	45	50	0.6			
+ 50 W	102	107	0.8			
+ 100 E	108	76	0.9			
+ 100 W	57	83	1.0			
+ 150 E	240	188	1.4			
+ 150 W	78	85	0.8			
+ 200 E	660	500	1.0			
+ 200 W	104	102	1.2			
500 N + 250 E	910	1050	1.8			

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Sproatt Silver Mines Ltd.

Report No: **75 83 004** Page **3** of **6**
 Samples Arrived:
 Report Completed:
 For Project:
 Analyst:

Attention:

Sample Marking	Pb ppm	Zn ppm	Ag ppm			
500 N + 250 W	78	105	1.2			
+ 300 E	1020	520	1.4			
+ 300 W	26	62	0.8			
+ 350 W (A)	27	85	0.8			
+ 350 W (B)	226	135	1.0			
+ 400 W	26	65	0.8			
500 N + 450 W	42	94	0.8			
600 N B.L.	55	70	0.8			
600 N + 50 E	5300	4250	4.6			
+ 50 W	100	75	0.7			
+ 100 E	445	160	0.8			
+ 100 W	315	62	0.6			
+ 150 E	219	150	0.6			
+ 150 W	52	110	0.6			
+ 200 E	5500	2750	4.8			
+ 200 W	440	500	0.8			
+ 250 E	2780	1270	2.0			
+ 250 W	288	365	1.0			
+ 300 E	3450	3120	4.8			
600 N + 300 W	47	135	1.0			
600 N + 350 E	910	1430	0.7			
+ 350 W	25	85	0.6			
+ 400 W	33	54	0.8			
600 N + 450 W	17	17	0.5			
700 N B.L.	284	157	1.0			
700 N + 50 E	740	500	1.2			
+ 50 W	21	32	1.3			
+ 100 E	14	12	0.2			
+ 100 W	49	70	0.8			
+ 150 E	480	345	0.6			
+ 150 W	333	620	0.6			
+ 200 W	390	49	0.6			
+ 250 E	2850	770	1.4			
+ 250 W	35	45	0.8			
+ 300 E	168	154	0.8			
+ 300 W	41	50	0.8			
+ 350 E	346	138	0.7			
+ 350 W	44	50	0.5			
700 N + 400 W	19	27	0.5			

MASTER PRINTING LTD.

REMARKS:

Signed: 

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1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 988-2172
AREA CODE: 604

• Specialising in Trace Elements Analyses •

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Sproatt Silver Mines Ltd.

Report No: **75 83 004** Page **4** of **6**
Samples Arrived:
Report Completed:
For Project:
Analyst:

Attention:

Sample Marking	Pb ppm	Zn ppm	Ag ppm			
700 N + 450 W	27	67	0.8			
700 N + 700 E	520	232	1.0			
800 N + 50 E	1500	1020	2.3			
+ 100 E	290	92	0.7			
+ 150 E	69	54	0.8			
+ 200 E	76	90	0.7			
+ 250 E	362	113	0.9			
+ 300 E	342	109	1.0			
800 N + 350 E	1570	335	1.0			
900 N + 50 E	135	64	0.8			
+ 100 E	540	119	1.0			
+ 150 E	1130	229	1.6			
+ 200 E	395	220	1.4			
+ 250 E	170	120	0.8			
+ 300 E	78	27	0.8			
900 N + 350 E	59	60	0.8			
1000 N + 50 E	590	90	0.9			
+ 100 E	550	288	1.1			
+ 150 W	210	148	0.8			
1000 N + 200 W	42	20	0.9			
1000 N + 250 W	42	44	0.6			
+ 300 W	272	132	0.7			
1000 N + 350 E	365	95	0.9			
1100 N + 50 E	3400	7000	2.6			
+ 100 E	1560	1380	3.2			
+ 150 E	1620	185	1.8			
+ 200 E	33	27	0.4			
+ 250 E	59	104	0.8			
+ 300 E	32	27	0.4			
+ 350 E	19	68	0.6			
+ 400 W	23	82	0.8			
+ 450 W	49	203	1.0			
1100 N + 500 W	113	120	0.8			
1200 N B.L.	640	350	2.3			
+ 50 E	2260	1800	0.6			
+ 50 W	35	42	0.6			
+ 100 E	16	10	0.6			
+ 100 W	40	90	0.8			
1200 N + 150 E	660	350	0.6			

MASTER PRINTING LTD.

REMARKS:

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1 ppm = 0.0001%

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VANGEOCHEM LAB LTD.
 1521 PEMBERTON AVE.,
 NORTH VANCOUVER, B.C.,
 CANADA V7P 2S3

TELEPHONE: 988-2172
 AREA CODE: 604

• Specialising in Trace Elements Analyses •

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Sproatt Silver Mines Ltd.

Report No: **75 83 004** Page **5** of **6**
 Samples Arrived:
 Report Completed:
 For Project:
 Analyst:

Attention:

Sample Marking	Pb ppm	Zn ppm	Ag ppm			
1200 N + 150 W	34	22	0.6			
+ 200 E	740	190	1.0			
+ 200 W	29	57	0.8			
+ 250 E	1100	89	0.8			
+ 250 W	53	63	0.7			
+ 300 E	43	92	0.4			
+ 300 W	66	65	0.6			
+ 350 E	72	80	0.6			
+ 350 W	25	110	0.7			
+ 400 W	45	92	0.6			
+ 450 W	36	125	0.6			
1200 N + 500 W	72	290	0.7			
1300 N B.L.	80	70	1.0			
1300 N + 50 W (A)	38	33	0.6			
+ 50 W (B)	30	90	0.7			
+ 100 W (A)	188	225	0.6			
+ 100 W (B)	52	32	0.7			
+ 150 W	18	72	0.7			
+ 200 W	22	20	0.8			
1300 N + 250 W	43	40	0.4			
1300 N + 300 W	25	53	0.7			
+ 350 W	31	95	0.9			
+ 400 W	40	112	0.8			
+ 450 W	35	95	0.7			
+ 500 W	35	87	0.7			
+ 550 W	80	95	0.8			
+ 600 W	144	227	0.9			
1300 N + 650 W	38	35	0.5			
1400 N B.L.	2280	215	1.8			
1400 N + 50 W (A)	670	96	0.6			
+ 50 W (B)	970	135	2.2			
+ 100 W	41	56	0.7			
+ 150 W	2140	195	1.8			
+ 200 W	47	92	0.8			
+ 250 W	31	93	0.7			
+ 300 W	20	74	0.6			
+ 350 W	27	82	0.8			
+ 400 W	23	90	0.6			
1400 N + 450 W	14	65	0.4			

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REMARKS:

Signed: 

% Mo x 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million
 All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



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-IN ACCOUNT WITH-
Spreatt Silver Mines Ltd.

Report No: **75 83 004** Page **6** of **6**
 Samples Arrived:
 Report Completed:
 For Project:
 Analyst:

Attention:

Sample Marking	Pb ppm	Zn ppm	Ag ppm			
1400 N + 500 W	26	76	0.9			
+ 550 W	195	137	1.2			
+ 600 W	46	25	2.4			
1400 N + 650 W	239	127	0.9			

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REMARKS:

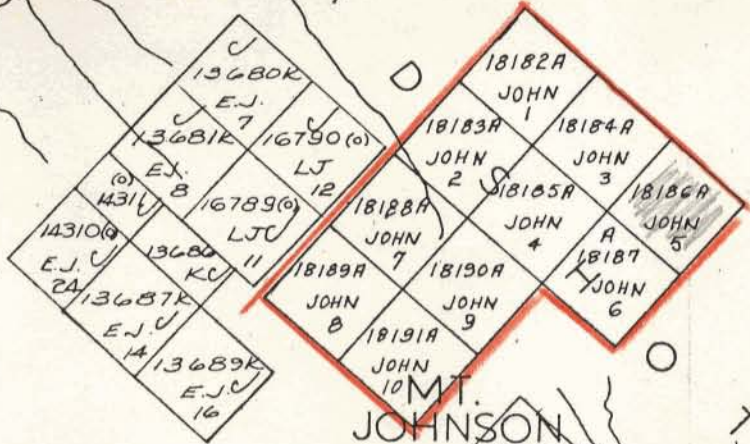
Signed: 

% Mo x 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million
 All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

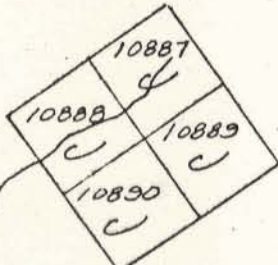
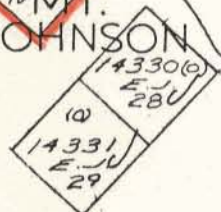
OJO
66(9)
13583

C r.

B
A
D



MT. JOHNSON



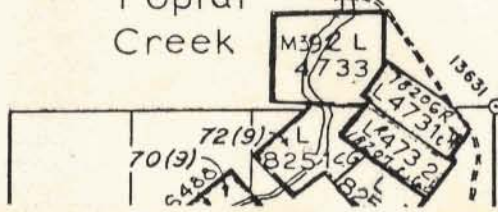
R
A
N
G
E

5736 M-2

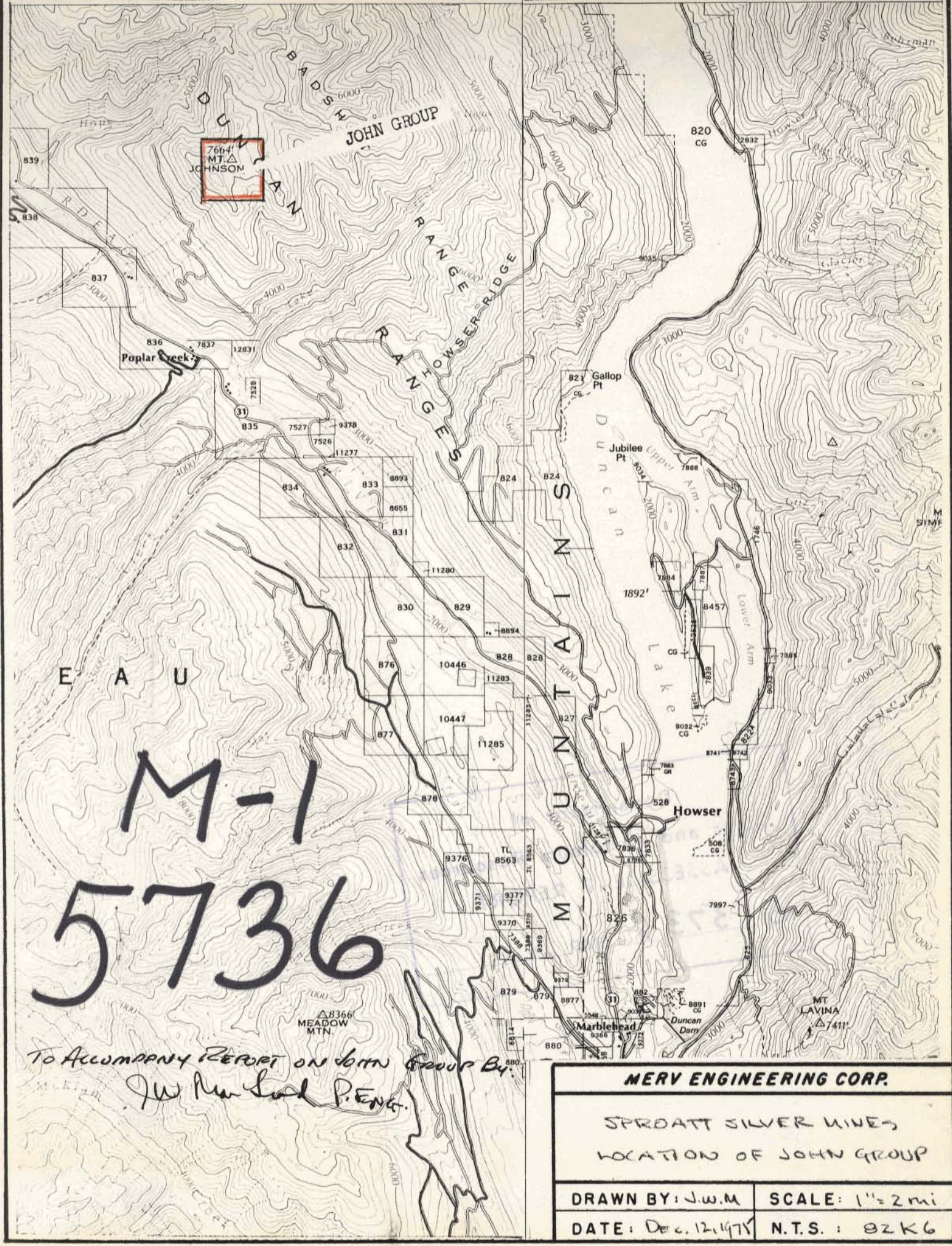
L a k e

TO ACCOMPANY REPORT ON JOHN GROUP BY
J.W. MacLeod R. Eng.

Poplar
Creek



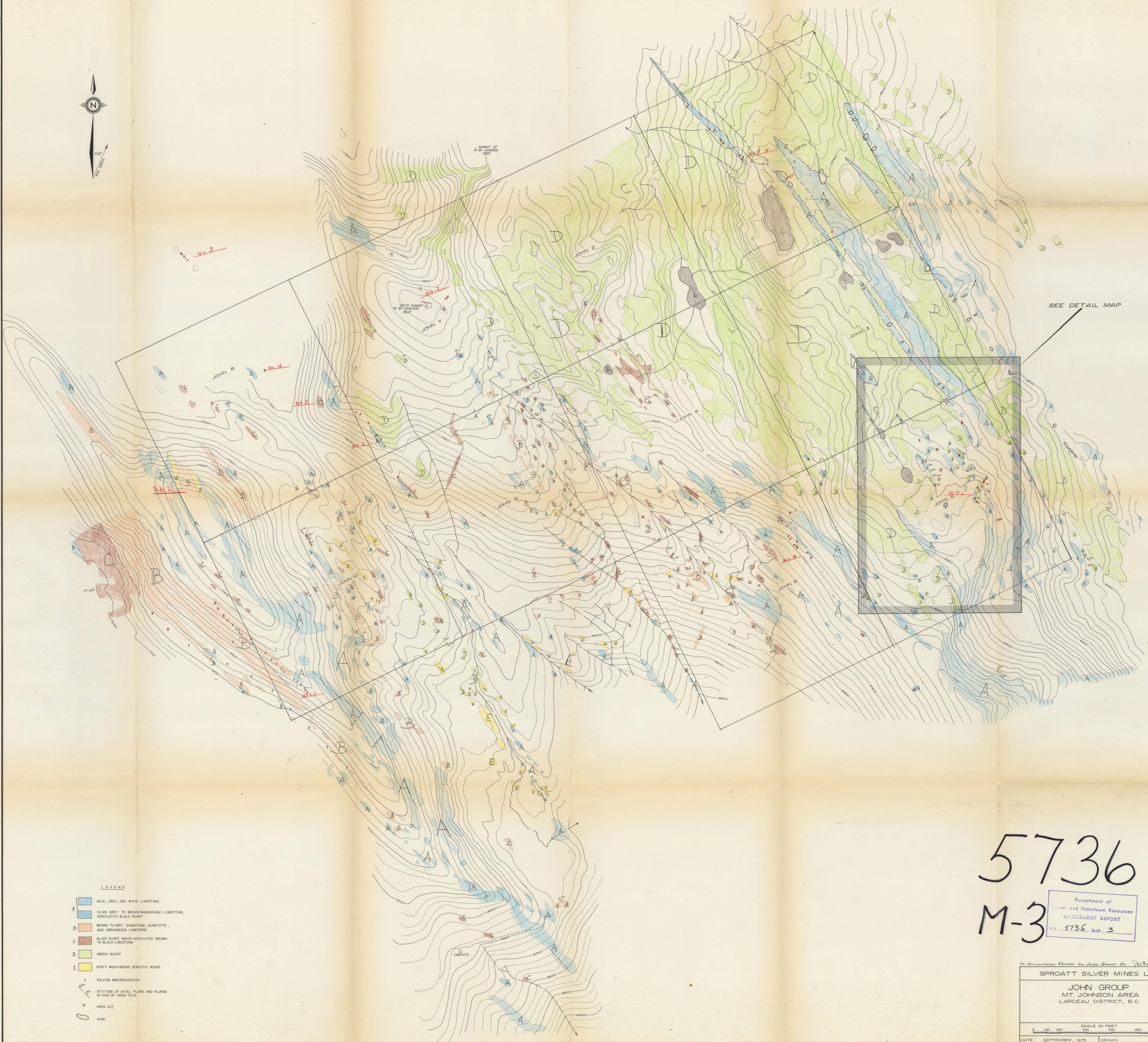
MERV ENGINEERING CORP.	
SPROATT SILVER MINES LTD PLAN OF JOHN GROUP	
DRAWN BY: J.W.M.	SCALE: 1"=2640'
DATE: Dec. 12, 1975	N.T.S. : BZ K6



M-1
5736

To ACCOMPANY REPORT ON JOHN GROUP BY:
J.W. Marshall P. Eng.

MERV ENGINEERING CORP.	
SPROATT SILVER MINES LOCATION OF JOHN GROUP	
DRAWN BY: J.W.M	SCALE: 1" = 2 mi
DATE: Dec. 12, 1975	N.T.S. : 82K6



SEE DETAIL MAP

LEGEND

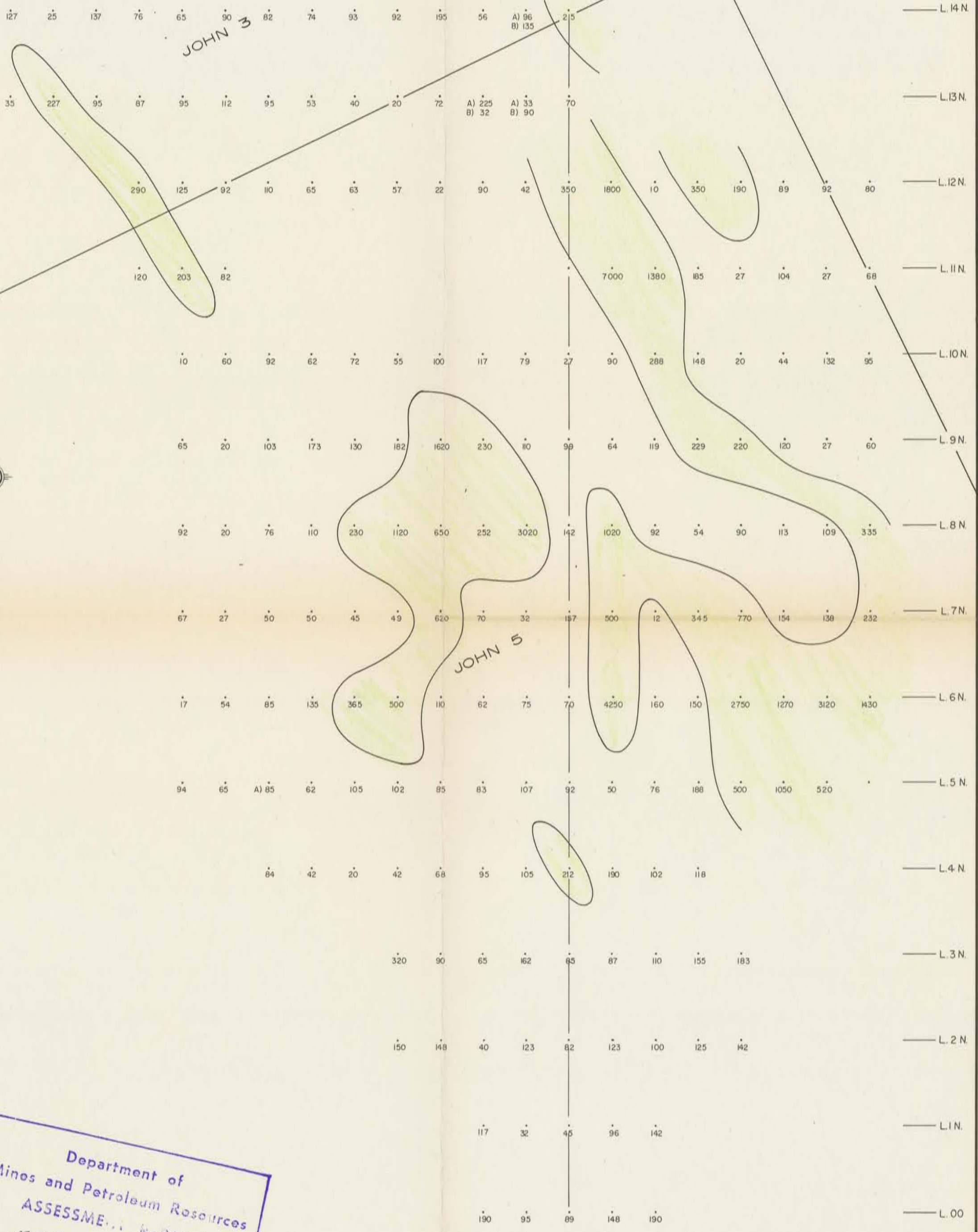
- A BLUE, GREY, AND WHITE LIMESTONE
- B OLIVE GREY TO BROWN (MAGNESIAN) LIMESTONE, ASSOCIATED BLACK SCHIST
- C BROWN TO GREY SANDSTONE, QUARTZITE, AND ARENACEOUS LIMESTONE
- D BLACK SCHIST, MINOR ASSOCIATED BROWN TO BLACK LIMESTONE
- E GREEN SCHIST
- F RUSTY WEATHERING SERICITIC SCHIST
- X SULFIDE MINERALIZATION
- ATTITUDE OF AXIAL PLANE AND PLUNGE OF AXIS OF DRAG FOLD
- O OPEN CUT
- SINK

5736
M-3

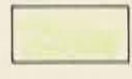
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5736, MAP 3

70. Necessary Notes on John Group by J.W. McLeod, D.G.S.
SPROATT SILVER MINES LTD.
JOHN GROUP
MT. JOHNSON AREA
LARDEAU DISTRICT, B.C.
SCALE IN FEET
0 100 200 300 400 500 600 700 800 900 1000
DATE: SEPTEMBER, 1975 DRAWN:

650 W 600 W 500 W 400 W 300 W 200 W 100 W BASE LINE 100 E 200 E 300 E 350 E



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5736 MAP 7

 Anomalous Zinc + 200 p.p.m.

To Accompany Report on John Group By:
J.W. MacLeod, P.Eng.

SPROATT SILVER MINES LTD.

JOHN GROUP
MT. JOHNSON AREA
LARDEAU DISTRICT, B.C.

GEOCHEMICAL SURVEY
ZINC IN P.P.M.

SCALE IN FEET
0 25 50 100 200 300

DATE: SEPT. 1975 DRAWN: ALTAIR

650 W
500 W
500 W
400 W
300 W
200 W
100 W
BASE LINE
01E
200E
300E
350E

L 14 N
L 13 N
L 12 N
L 11 N
L 10 N
L 9 N
L 8 N
L 7 N
L 6 N
L 5 N
L 4 N
L 3 N
L 2 N
L 1 N
L 00

JCH-114 3

JCH-114 5

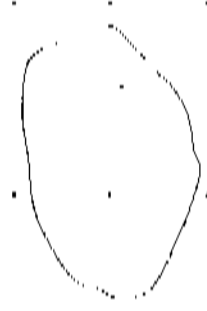


30' x 1/2" x 4' wide

TRENCH No. 1
115' x 3' x 3'

TRENCH No. 2
40' x 2' x 2'

TRENCH No. 3
115' x 3' x 3'

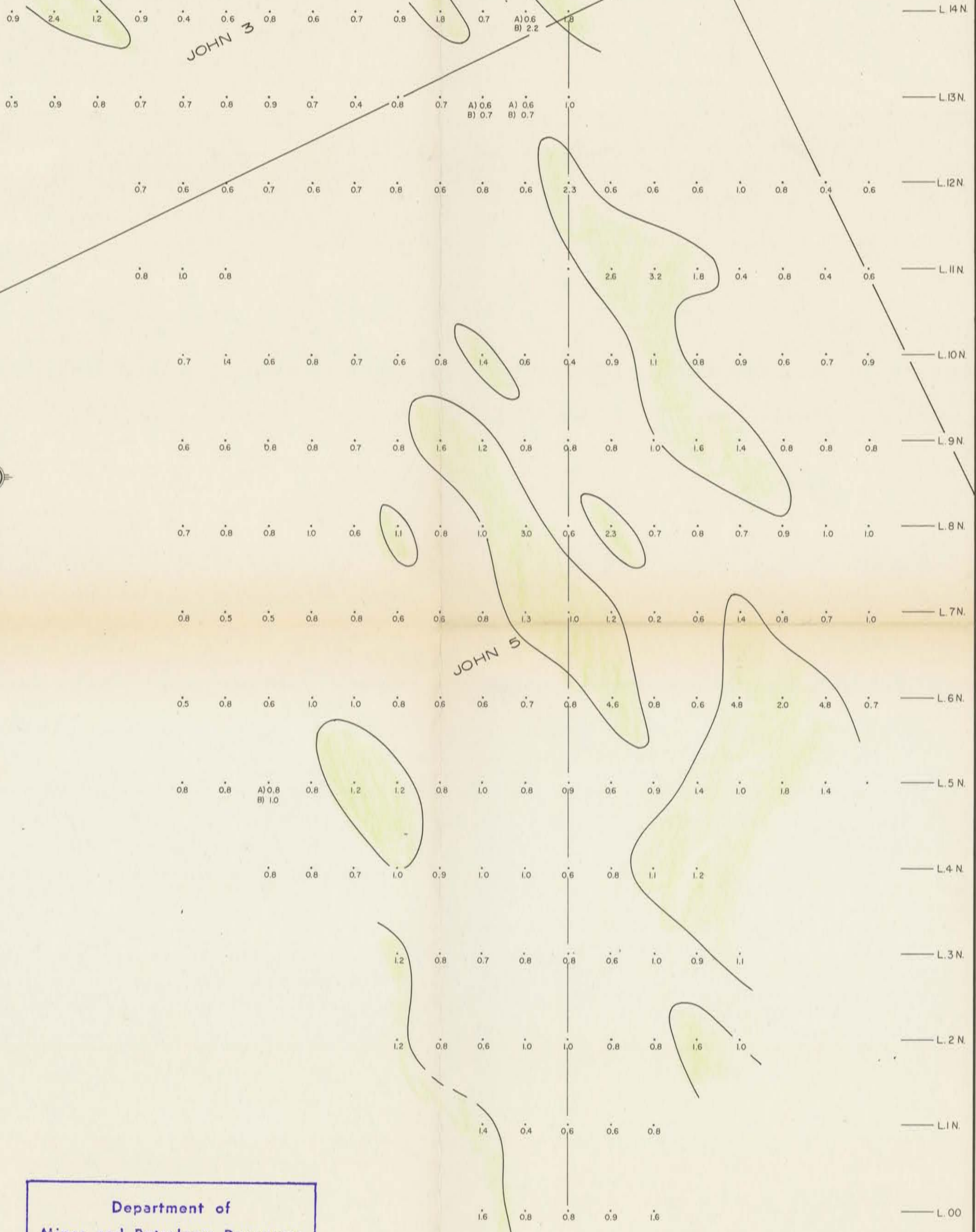


Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5736 MAP 4

Wheatland, P. King
to accompany report on John Group 431

SPROATT SILVER MINES LTD.	
JOHN GROUP MT. JOHNSON AREA LAND DISTRICT, B.C.	
GEOLOGICAL MAP	
SCALE IN FEET 0 50 100 200 300	
DATE: SEPT 1975	DRAWN: ALTAIR

650 W. 600 W. 500 W. 400 W. 300 W. 200 W. 100 W. BASE LINE 100 E. 200 E. 300 E. 350 E.



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5736 MAP 5

Anomalous Silver +1.0 p.p.m.

To Accompany Report on John Group By: C.W. MacLeod, P.Eng.

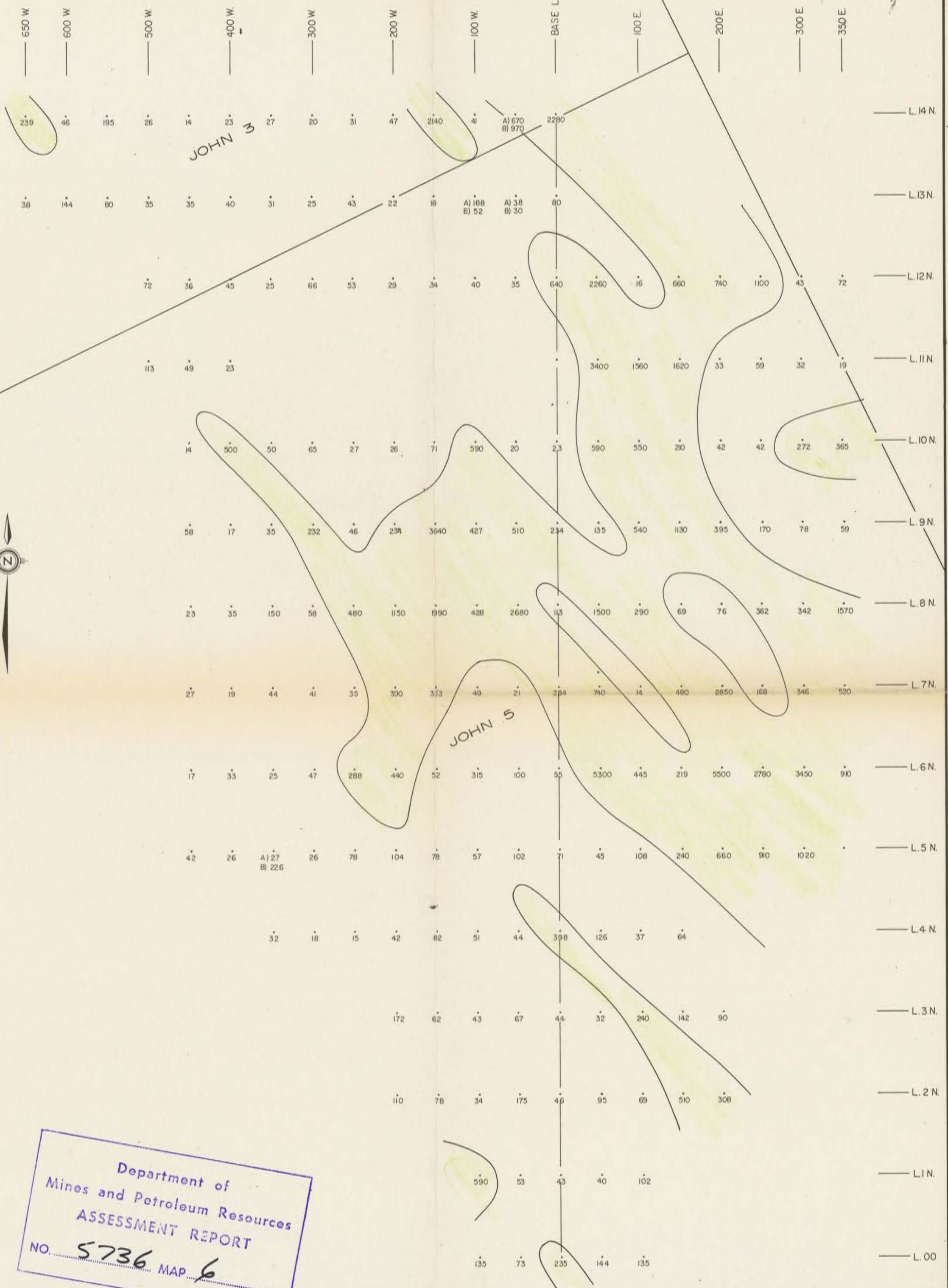
SPROATT SILVER MINES LTD.

JOHN GROUP
MT. JOHNSON AREA
LARDEAU DISTRICT, B.C.

GEOCHEMICAL SURVEY
SILVER IN P.P.M.

SCALE IN FEET
0 25 50 100 200 300

DATE: SEPT, 1975 DRAWN: ALTAIR



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5736 MAP 6

Anomalous Lead +200 p.p.m.

TO ACCOMPANY REPORT ON JOHN GROUP BY:
J.W. MacLean, P.Eng.

SPROATT SILVER MINES LTD.

JOHN GROUP
MT. JOHNSON AREA
LARDEAU DISTRICT, B.C.

**GEOCHEMICAL SURVEY
LEAD IN P.P.M.**

SCALE IN FEET
0 25 50 100 200 300

DATE: SEPT. 1975 DRAWN: ALTAIR