

**REPORT**

**ON**

BACON LAKE MAGNETITE

1964

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NANAIMO

**MINING DIVISION**

**J. J. McDougall**  
Geologist

BACON LAKE MAGNETITE  
Report by: J.J. McDougall - Jan. 29/65

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REPORT ON

BACON LAKE - MAGNETITE

1964

Vancouver, B. C.  
January 29, 1965

J. J. McDougall  
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Drill Logs - Packsack Holes #1 to 5

Section - A - A<sub>1</sub> - section through  
Drill Holes 3, 4 & 5

Maps - Location Map, BL 1(b)/64 1.25" = 1 mi.

Drill Hole and Dip Needle Map - BL/64/1 - in pocket  
of Willy Iron Deposits -  
Scale 1" = 50 ft.

REPORT ON  
BACON LAKE - MAGNETITE

1964

This report summarizes work done on the Bacon Lake magnetite property early in 1964. Such was designed to meet assessment requirements and to help determine possible grade of the Bacon Lake iron.

LOCATION:

The property is located on the southeast corner of Bacon Lake, 17 miles west of Campbell River (see Map BL 1(b)/64).

ACCESS:

Access is by direct road from Campbell River, B.C.

PROPERTY:

Property consists of 5 located claims - Willy #1 and 2, Rock #1, 2 and 3 - in good standing until 1969.

HISTORY:

Locations cover known and well described minor magnetite occurrences (Willy #1 and 2) at Bacon Lake. Rock #1 to 3 cover a magnetic anomaly which we discovered in 1960 and drilled in 1961. The Willy deposit was previously drilled by Upton (?) while Argonaut was producing but results are not available.

DEVELOPMENT:

Four hundred and three feet of drilling (3 EX-LY and 1 P.S.) plus heliport construction on "Rock deposits" was done in 1961. 1964 work consisted of 318 feet of packsack drilling in 5 completed\* holes on the "Willy" anomalies shown by dip needle work. (see Map BL/64/1).

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\* As in other reports, abandoned holes are not recorded except as assessment work.



DESCRIPTION:

Five packsack diamond drill holes totalling 318 feet were put in between March and March 20 by drillers Schussler and Cross along a 60-foot long exposed section near the road on the Willy #1 claim. A dip needle survey was run of the 100-foot long zone of which the drilled section is a part. (Map BL/64/1 in pocket)

In general, a number of small magnetite bodies, previously described in a 1961 report by the writer, occur in or near the volcanic-limestone contact areas. One of our sections, A - A<sub>1</sub> (holes 3, 4 and 5), shows maximum pyritic magnetite thickness of 20 feet, this representing a replaced tufaceous band having a gentle easterly dip of 20°. Sharp folding and faulting is suspected judging by the more erratic results of holes #1 and #2.

Overall grade is about 30% soluble iron with an estimated 1/2 to 2% sulphur content but on section A - A<sub>1</sub> would average out between 40 and 45% with a high of 56%. One 10-foot section returned \$5.00 gold-silver values but the average is in the 35-50 cent range.

CONCLUSIONS:

The 1964 work on the Willy property was of too limited a nature to allow large-scale conclusions. Certainly, as shown by the shallow drilling and dip needle and air mag work, there is no important magnetite body within a few hundred feet of surface. The surface showings are small and discontinuous.

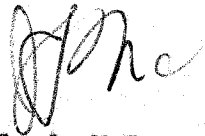
RECOMMENDATIONS:

Recommendations remain as previous, i.e. that the property be held for better evaluation at a time when it may have some value as a supplementary source of iron ore.

REFERENCES:

1. Report on Bacon Lake and Willy Iron Prospects, J. J. McDougall,  
1960 (report on file) - includes earlier G.S.C. descriptions.
2. Report on Bacon Lake Magnetite, J. J. McDougall, 1961  
(report on file bound with Hiller Iron)
3. Summary Report, March 1, 1964, J. J. McDougall (on file)

Vancouver, B. C.  
January 29, 1965

  
J. J. McDougall,  
Geologist.

PROPERTY BACON LAKE IRON  
Willy #1

HOLE NUMBER 1  
 SHEET NUMBER 1  
 SECTION FROM \_\_\_\_\_ TO \_\_\_\_\_

## DIAMOND DRILL RECORD

LOCATION: LAT About 200 ft. west of road on Willy #1 Claim -  
230 feet west of location line and 715 ft. south  
 DEP. of #2 stakes.  
 ELEVATION OF COLLAR 1350 feet approx.  
 DATUM \_\_\_\_\_

STARTED March 4th, 1964  
 COMPLETED March 6th, 1964  
 ULTIMATE DEPTH 101.0 feet.  
 PROPOSED DEPTH \_\_\_\_\_

DIRECTION AT START: BEARING -  
 DIP -90°

DEPTH FEET	FORMATION	FROM	TO	WIDTH OF SAMPLE	% Iron	Au	Ag	Cu
0 - 7	Black, fine-grained, finely crystalline arg.	24 - 30		6 ft	45.01	.01	0.4	0.06
		30 - 40		10 ft	62.05	tr	tr	0.04
		40 - 50		10 ft	8.71	tr	tr	0.05
7 - 8	Pyritic (py) impure magnetite (mag)							
8 - 24	Siliceous (sil) mottled porphyry (porph) (dyke or intr volcanics?)							
24 - 25	Brecciated (brecc) py mag, chloritic (chl) in part.							
25 - 40	Py mag, Co <sub>3</sub> stringers (strgs) - epidote (ep) banding (bndg) at 40°.							
40 - 53	Chalcopyrite (CP) py, pyrr min. disseminated (diss) in epid. Carbonaceous tuff(?) or amyg volc.							
53 - 91	F.g. (fine-grained), sl (slightly) amyg (amygdaloidal) to tuffaceous volcanic (Vl); occ Co <sub>3</sub> strgs.							
91 - 101	- as above but 80% coarse brecciated sectn. - end in Carb. Vl.							
	95% C. R.							

PROPERTY BACON LAKE

HOLE NUMBER 2

SHEET NUMBER 1

SECTION FROM \_\_\_\_\_ TO \_\_\_\_\_

# DIAMOND DRILL RECORD

LOCATION: LAT Same as #1

STARTED March 10th, 1964

DEP \_\_\_\_\_

COMPLETED March 11th, 1964

ELEVATION OF COLLAR \_\_\_\_\_

ULTIMATE DEPTH 76 ft.

DATUM \_\_\_\_\_

DIRECTION AT START: BEARING N75°W  
DIP -44°

PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	FROM	TO	WIDTH OF SAMPLE	% Iron	Au	Ag	Cu
0 - 7	F. g. arg. limestones; occ sl mag	48 - 53		5.0 ft	38.82	tr	tr	tr
		53 - 63		10.0	4.94	tr	tr	0.01
7 - 8	Chlor mag							
8 - 20	Mottled sil porph							
20 - 27	Dk, sl brecc., amyg. tuff; (o3 strgs, occ sl mag @ 65°)							
27 - 48	F. g. sl arg dk lms.							
48 - 51	Pyr. mag.							
51 - 62	Epidotized, sl py tuff as prev in hole #1.							
62 - 76	Sl tuffaceous amyg. Vl, sl epid.							
	(E N D)							
	C. R. 85%							

PROPERTY BACON LAKE

HOLE NUMBER 3

SHEET NUMBER 1

SECTION FROM \_\_\_\_\_ TO \_\_\_\_\_

# DIAMOND DRILL RECORD

LOCATION: LAT Immediately east of road, 56 ft southwest of  
 DEP Hole #1 and 200 feet in from claim line.

STARTED March 12th, 1964

ELEVATION OF COLLAR as #1

COMPLETED March 16th, 1964

DATUM "

ULTIMATE DEPTH 60 ft.

DIRECTION AT START: BEARING \_\_\_\_\_  
 DIP -90°

PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	FROM	TO	WIDTH OF SAMPLE	% Iron	Au	Ag	Cu
0 - 3	Mottled sil porph	0	10	10.0 ft.	30.20	tr	tr	0.01
3 - 4	Mag; ctct @ 40°	20	31	11.0	48.21	0.01	tr	tr
		31	41	10.0	9.29	tr	tr	0.01
4 - 5	F.g. Vl							
5 - 8	Sl mag in brecc, Co3 Vl							
8 - 20.5	F. g. lms.							
20.5-37	60% pyr mag in brecc, skarnified tuff.							
37 - 45	Epid., sl py Vl; sl amyg.							
45 - 60	Py Vl, f.g. sl Co3							
	(E N D)							
	C. R. 70%.							

PROPERTY BACON LAKE (Willy)

HOLE NUMBER 4

SHEET NUMBER 1

SECTION FROM \_\_\_\_\_ TO \_\_\_\_\_

## DIAMOND DRILL RECORD

LOCATION: LAT 55 ft west of Hole #3 and 64 feet

DEP southwest of Hole #1.

ELEVATION OF COLLAR As hole #1

DATUM "

DIRECTION AT START: BEARING -----  
DIP -90°

STARTED March 17th, 1964

COMPLETED March 20th, 1964

ULTIMATE DEPTH 51 feet

PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	FROM	TO	WIDTH OF SAMPLE	% Iron	Au	Ag	Cu
0 - 25	60% pyr. mag replacement of epidotized V1 and Co3 skarnified tuff.	0 - 10		10.0	36.98	0.01	tr	tr
		10 - 20		10.0	48.11	0.01	tr	tr
		20 - 25		5.0	55.95	0.01	tr	tr
25 - 35	Epid V1, sl skarn, sl py	25 - 35		10.0	6.49	0.01	tr	0.01
35 - 51	- Co3 V1, occ epid, py.							
	(E N D)							
	80% C. R.							

PROPERTY BACON LAKE

HOLE NUMBER 5

SHEET NUMBER 1

SECTION FROM \_\_\_\_\_ TO \_\_\_\_\_

# DIAMOND DRILL RECORD

LOCATION: LAT Same as Hole #4

STARTED March 20th, 1964

DEP "

COMPLETED March 21st, 1964

ELEVATION OF COLLAR "

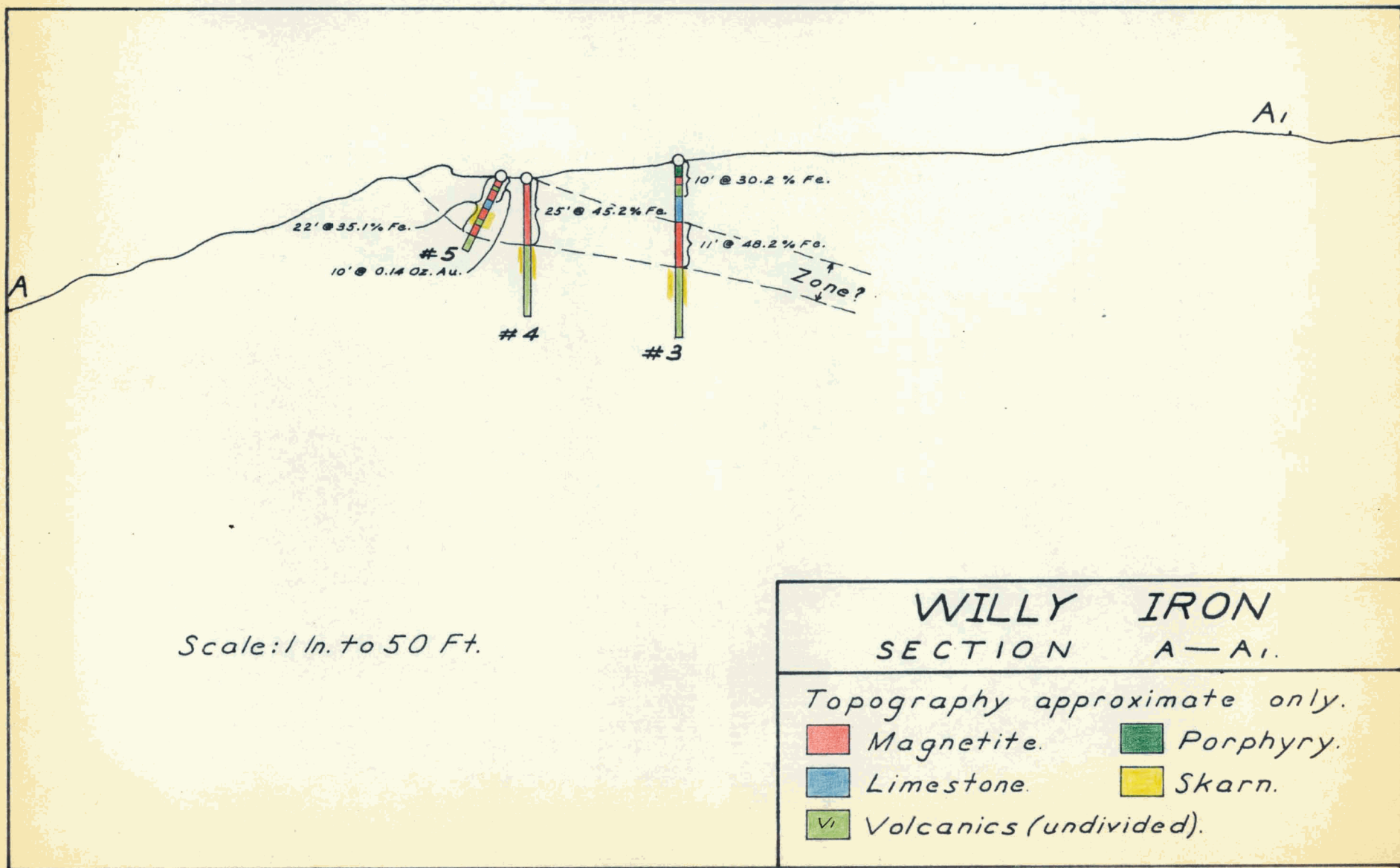
DATUM "

ULTIMATE DEPTH 30 feet

DIRECTION AT START: BEARING N75°W  
DIP -64°

PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	FROM TO		WIDTH OF SAMPLE	% Iron	Au	Ag	Cu
0 - 22	50% mag repl of lms and V1, skarn; pyritic	0	10	10.0	26.23	0.14	0.1	tr
		10	22	12.0	42.50	0.01	tr	0.01
		22	27	5.0	8.03	0.01	tr	0.05
22 - 30	Ctct and Banding at 70° pyritic V1							
	(E N D)							
	90% C. R.							

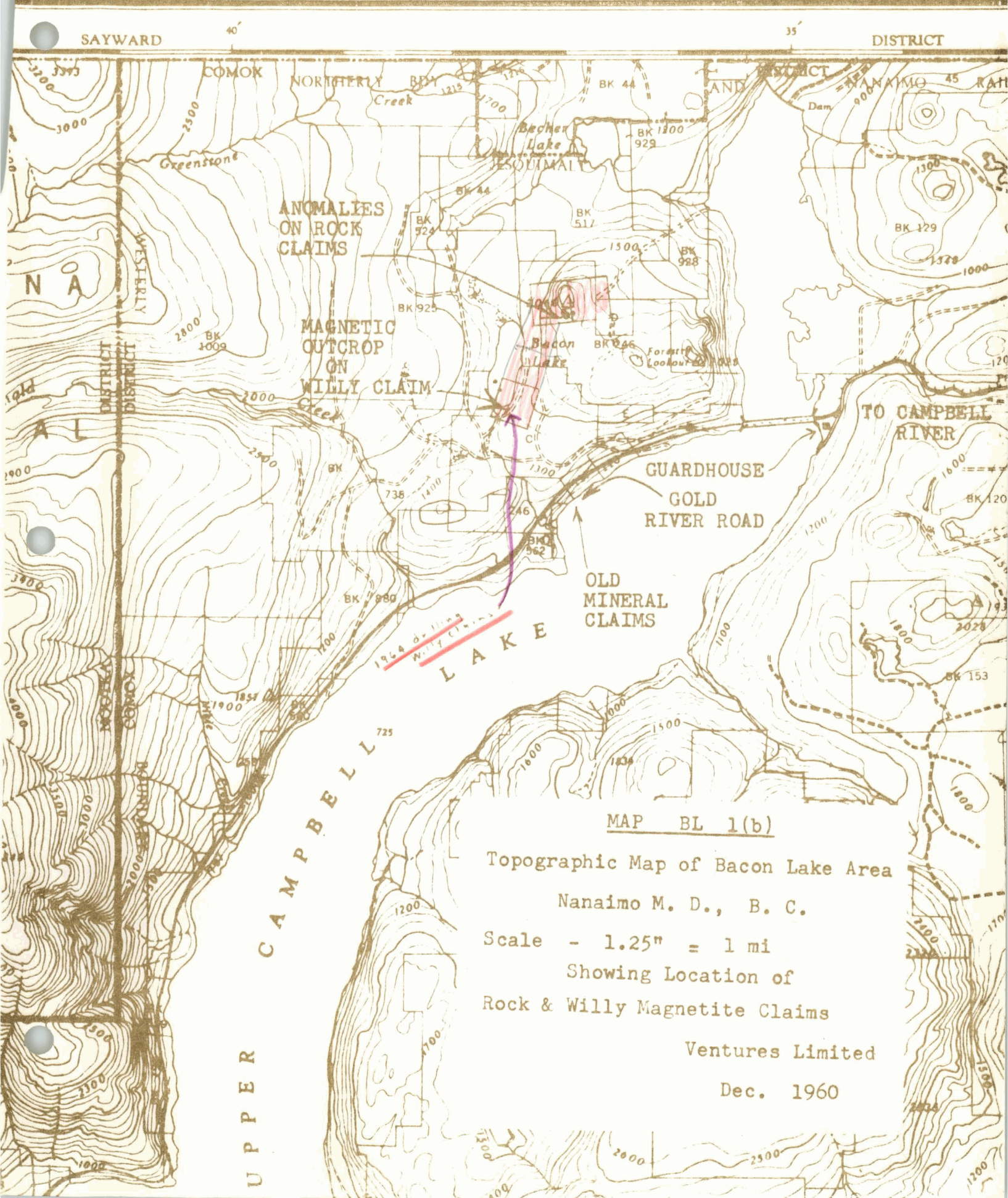




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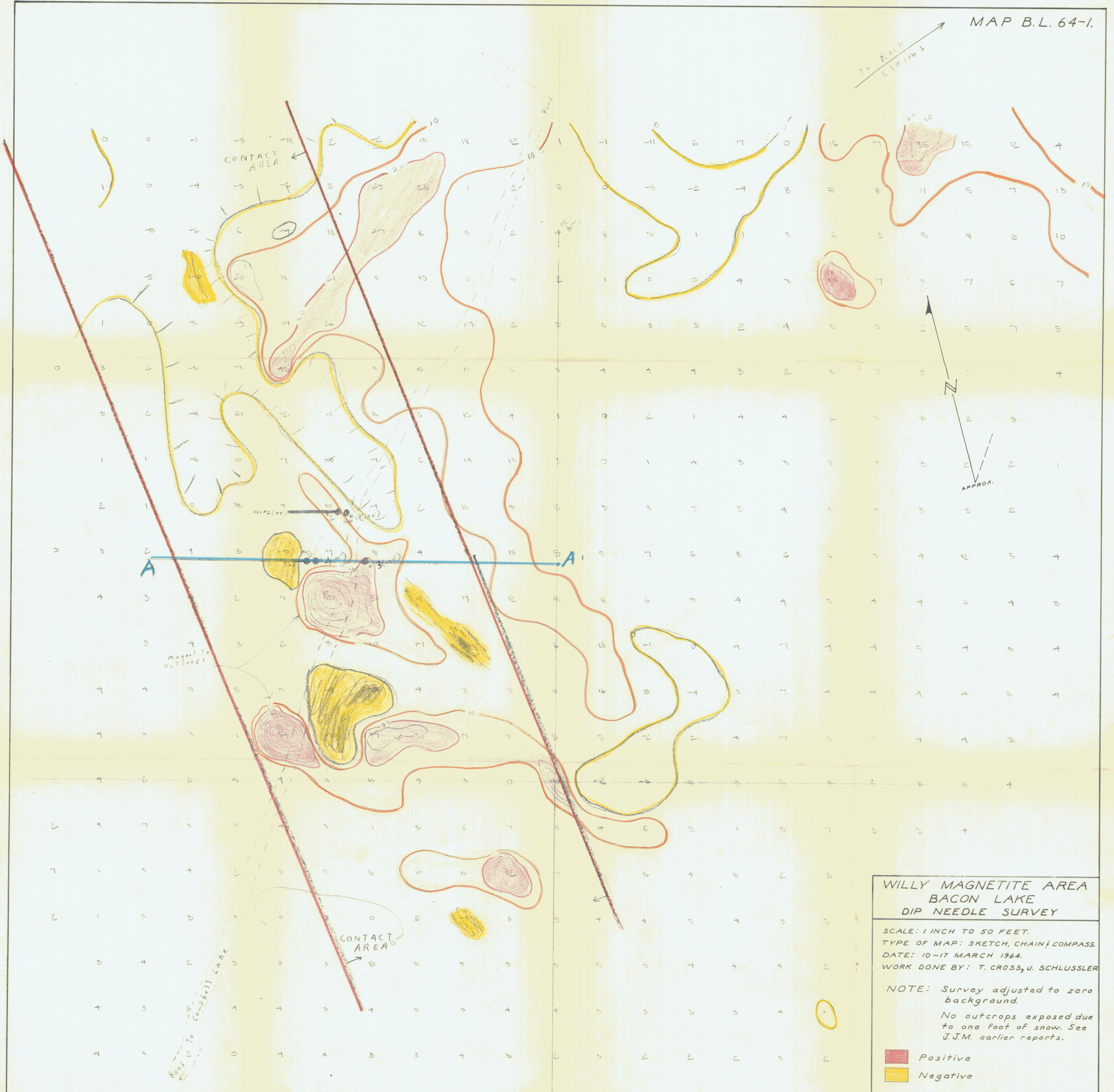
SECOND EDITION



MAP BL 1(b)  
 Topographic Map of Bacon Lake Area  
 Nanaimo M. D., B. C.  
 Scale - 1.25" = 1 mi  
 Showing Location of  
 Rock & Willy Magnetite Claims  
 Ventures Limited  
 Dec. 1960



To Rock  
C/101ms



**WILLY MAGNETITE AREA  
BACON LAKE  
DIP NEEDLE SURVEY**

SCALE: 1 INCH TO 50 FEET.  
 TYPE OF MAP: SKETCH, CHAIN & COMPASS.  
 DATE: 10-17 MARCH 1964.  
 WORK DONE BY: T. CROSS, U. SCHLUSSLER

NOTE: Survey adjusted to zero background.  
 No outcrops exposed due to one foot of snow. See J.J.M. earlier reports.

Positive  
 Negative

MAP B.L. 64-1.