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JOANN GROUP

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ATTACHMENTS

Evidence of Expenditures

Magnetic Contour Map - 1" - 100' # /

Claim Line Profiles ✓

"C" Line Profile ✓

Air Photo Print ✓

December 1, 1966.

GEOPHYSICAL REPORT
(MAGNETOMETER SURVEY)

ON

MINERAL CLAIMS JOANN 1 - 12 (Inclusive)

(Joann Group)

56° 131° N. E.

SUMMARY

A magnetometer survey, covering approximately ten line miles, was carried out on the claims of the Joann Group for Iskut Silver Mines during the period August 8 to September 6, 1966. Readings were taken at fifty foot intervals over the existing claim lines and twenty-five foot intervals over lines cut for the survey. Results of the claim line survey are shown on the accompanying profiles. Results of the detailed survey are shown on the magnetic contour map and the "C" Line profile. An air photo print locates the area surveyed.

The results indicate two magnetite zones striking north 60 degrees east. Two transverse faults displace the western segments of the zones to the north.

INTRODUCTION

The Joann Group, located on the north side of the Iskut River at latitude N 56° 42' and longitude W 131° 08', was staked in September of 1965. At the time of staking, in an area of heavy timber and brush, magnetite showings were found. A magnetometer survey was undertaken during the period of August 8 to September 6, 1966, to determine the extent of these deposits.

The magnetometer survey covered approximately ten line miles. The surveyed area was heavily timber and brush covered requiring all lines to be cut. The magnetic intensity on and around the anomalies necessitated the use of a transit to locate the survey lines with any degree of accuracy. Helicopter transport was used to set up the line cutting camp.

Weather during the survey was wet and cool. Due to heavy rain several days were unsuitable for field work.

Results of the survey are presented on a magnetic contour map at a scale of one inch to one hundred feet. A magnetic profile along a general east - west line through the prospect and magnetic profiles along the Joann Group location line are also included

WORK PERFORMED

A Sharpe IMF-3 fluxgate magnetometer had been leased for the survey. Through some mixup the instrument did not arrive until late in August. In order to get the survey under way a Sharpe A-3 was borrowed to do the preliminary work. The Joann Group location line and an east - west line through the approximate center of the anomalous area was run with this instrument at fifty foot spacings. After the arrival of the Fluxgate IMF-3 a detailed survey was run using 25 foot spacings. The east west line was repeated to give a means of comparing the two instruments. This is shown on the "C" line profile.

Both instruments had readable accuracy of 50 gammas. Diurnal corrections were not applied since the effect would not be great enough affect interpretation of the area. Traverses were adjusted to match common points. These adjustments were generally less than 50 gammas.

INTERPRETATION

Little outcrop can be seen as brush and overburden cover the area. The original magnetite showings are located at "A" on the magnetic contour map. A syenite porphyry is located to the south east of the survey area. The "C" Line profile crosses the syenite contact near its eastern end. A low broad high is indicated.

The results of the magnetic survey indicate two narrow magnetite zones. The western extensions of these zones have been displaced to the north by two transverse faults. Pediment deposited by the mountain stream traversing the area has masked the dual nature of the zones to the west of the faults and the pediment has reduced the intensity of the magnetic readings.

CONCLUSIONS AND RECOMMENDATIONS

The amount of overburden present will necessitate the use of a drill or bulldozer to determine the true width and value of the deposits present. The magnetics outline the two magnetite zones very well and simplifies further exploration of the area.

Respectfully submitted,

Raymond D. Wesemann, P. Eng.



EVIDENCE OF EXPENDITURE

MAGNETOMETER SURVEY, JOANN GROUP

R.D. Wesemann	Geophysicist & Surveyor 15 days @ \$35.00	\$525.00
R. Clarke	Line Chaining, Helper 30 days @ \$400/Mo.	\$400.00
R. Irwin	Line Cutter, Helper 15 days @ \$400/Mo.	200.00
R. Tyndall	Line Cutter 15 days @ \$400/Mo.	200.00
E. Wesemann	Rodman & Helper 15 days @ \$400/Mo.	200.00
F. Ronlund	Line Cutter 15 days @ \$400/Mo.	<u>200.00</u>
	TOTAL LABOUR	\$1,725.00
Living Expenses		960.00
Magnetometer Rental		175.00
Helicopter		<u>260.00</u>
	TOTAL EXPENDITURES CLAIMED	<u>\$3,120.00</u>

Declared before me at the

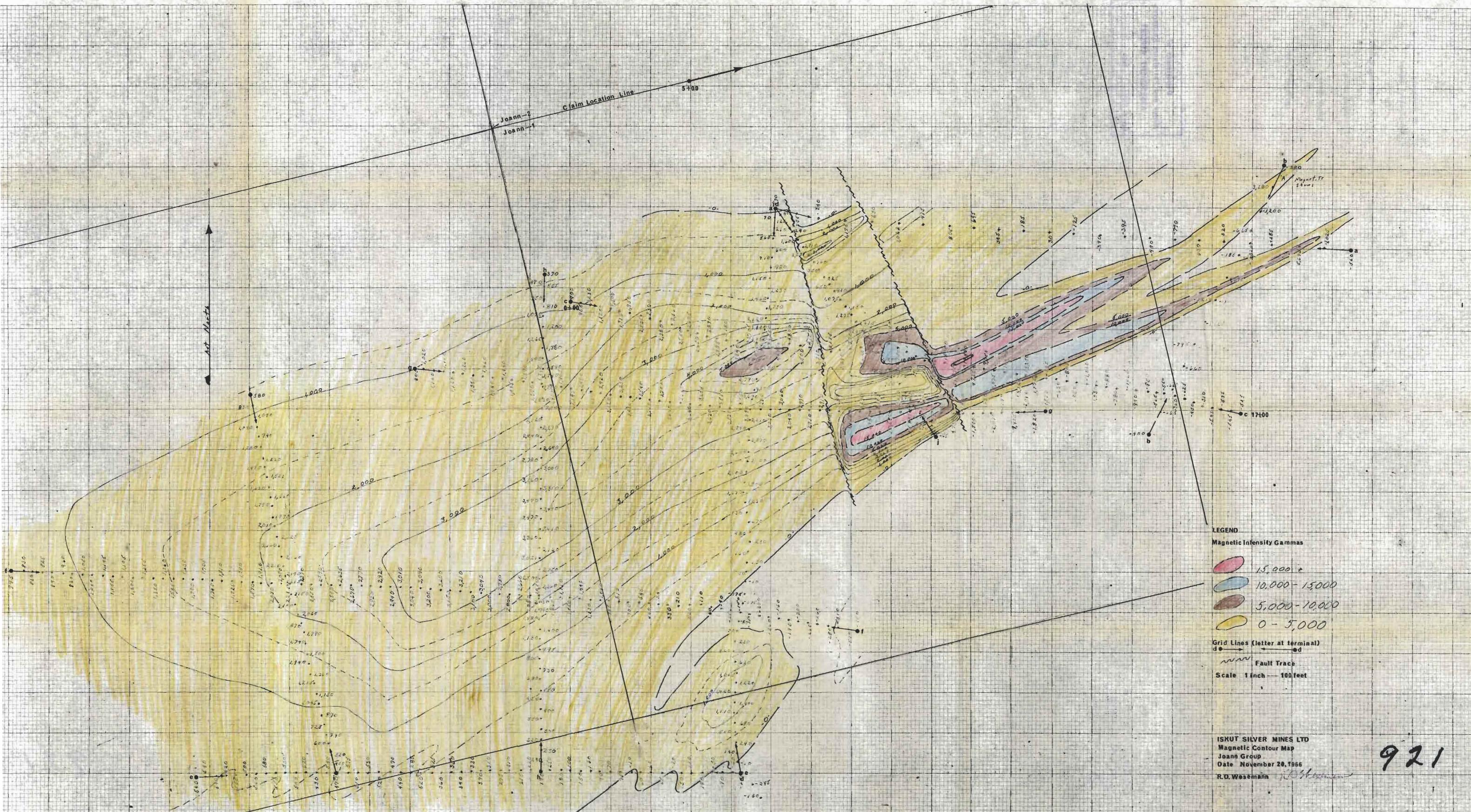
_____ of _____

in the Province of British

Columbia this _____ of

_____, A.D.

Ray W. [Signature]



LEGEND
Magnetic Intensity Gammas
15,000 +
10,000 - 15,000
5,000 - 10,000
0 - 5,000
Grid Lines (letter at terminal)
Fault Trace
Scale 1 inch = 100 feet

ISKUT SILVER MINES LTD
Magnetic Contour Map
Joann Group
Date November 28, 1956
R.D. Wesemann

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KEITH'S ENGINE CO

KEITH'S ENGINE CO

KEITH'S ENGINE CO

KEITH'S ENGINE CO

26,000 r
 25,000 r
 24,000 r
 23,000 r
 22,000 r
 21,000 r
 20,000 r
 19,000 r
 (29.40)
 18,000 r
 (29.00)
 17,000 r
 (28.60)
 16,000 r
 (28.20)
 15,000 r
 (27.80)
 14,000 r
 (27.40)
 13,000 r
 (27.00)
 12,000 r
 (26.60)
 11,000 r
 (26.20)
 10,000 r
 (25.80)
 9,000 r
 (25.40)
 8,000 r
 (25.00)
 7,000 r
 (24.60)
 6,000 r
 (24.20)
 5,000 r
 (23.80)
 4,000 r
 (23.40)
 3,000 r
 (23.00)
 2,000 r
 (22.60)
 1,000 r
 (22.20)
 0
 (21.80)
 -1,000 r
 (21.40)
 -2,000 r
 (21.00)

CG - Little Rock Ark
 Upper Graph - P.W.F. 3
 Lower Graph - A. 3
 W.D. Edwards

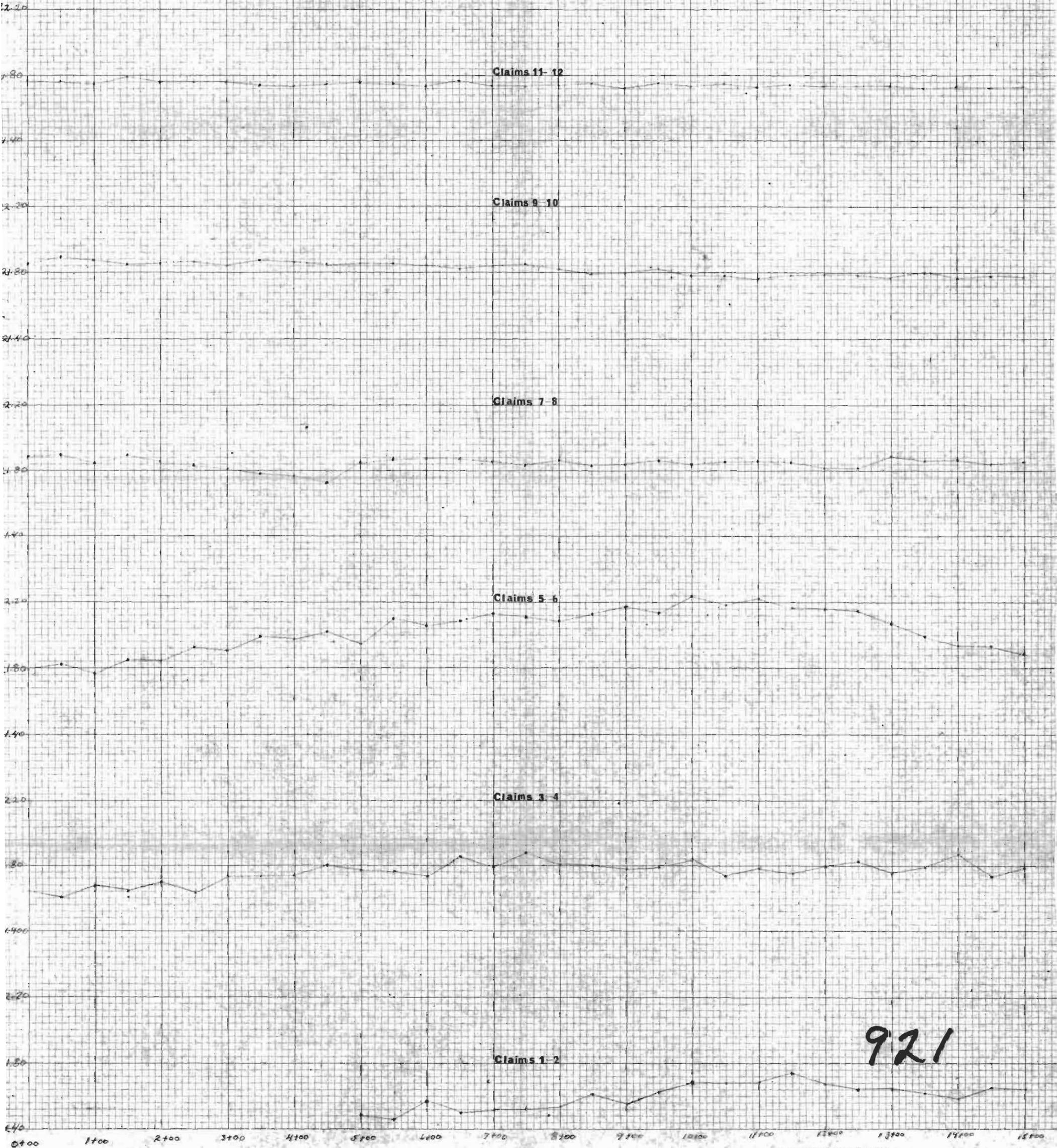
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CLAIM LINE PROFILES

A 3

RDS/eman

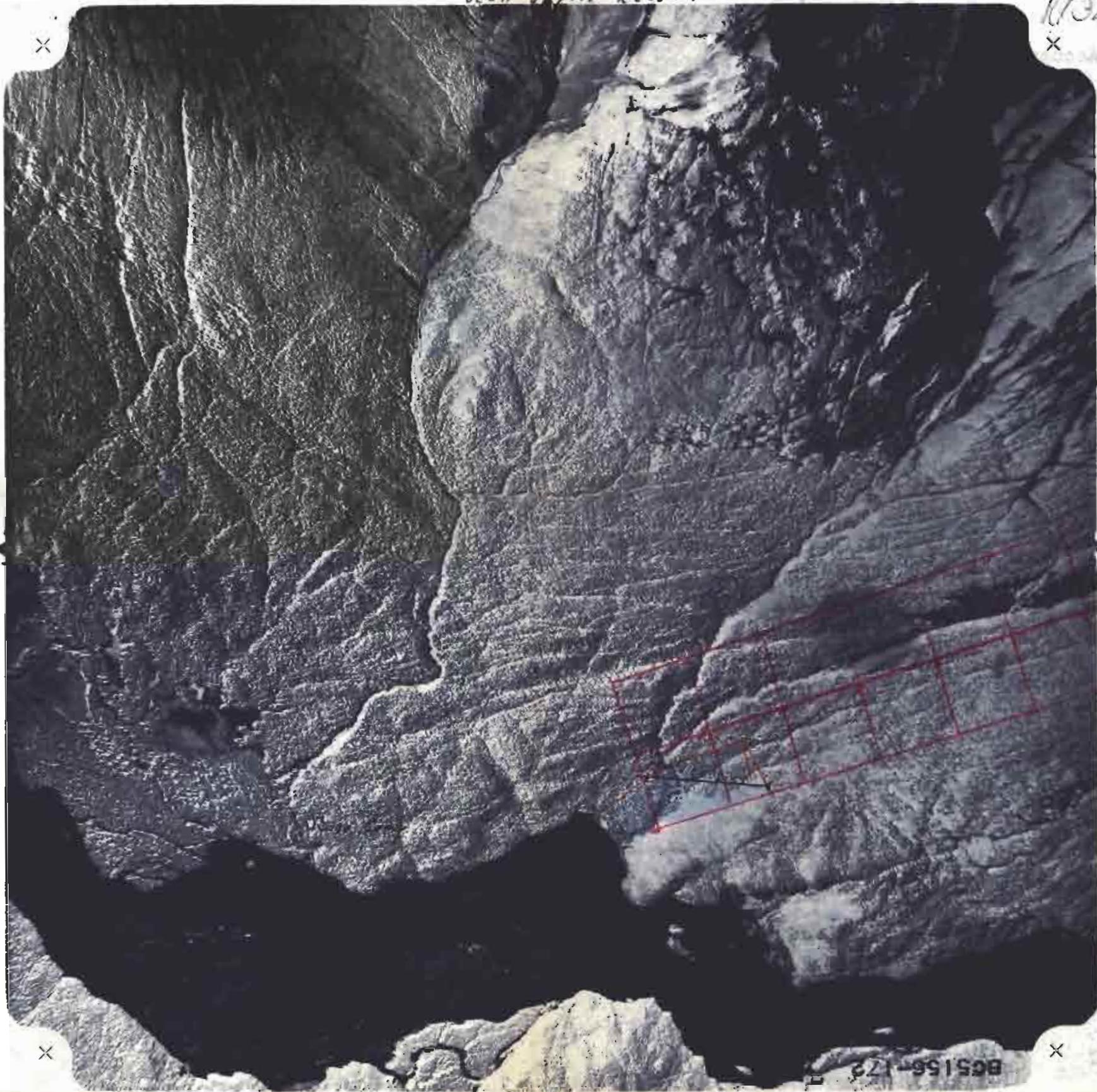


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Joan Claims
Scale approx 200' = 1"

Area Surveyed in Blue

W. S. [unclear]



BCS 156-123