

MAP NO.: ASSESSMENT REPORT X
105 F 9 PROSPECTUS
CONFIDENTIAL
OPEN FILE

DOCUMENT NO: 092932
MINING DISTRICT: WATSON LAKE
TYPE OF WORK: GEOCHEMISTRY

REPORT FILED UNDER: NORTHWEST EXPLORERS LIMITED

DATE PERFORMED: 1968

DATE FILED: JAN 11, 1991

LOCATION: LAT.: °'N 61°38'

AREA: KETZA RIVER

LONG.: °'W 132°12'

VALUE \$: N/A

CLAIM NAME & NO.: SHARON, SUZIE, TERRY
VERNON, JANET

WORK DONE BY: ALAN R. ARCHER

WORK DONE FOR: NORTHWEST EXPLORERS LIMITED

DATE TO GOOD STANDING:

REMARKS: This report contains the results from a soil survey conducted the previous year (AR# 018892). Samples taken in 1967 were analysed for silver and gold; the results were compared to the previous years lead results in an attempt to delineate areas with tetrahedrite.

Please insert as 2nd page

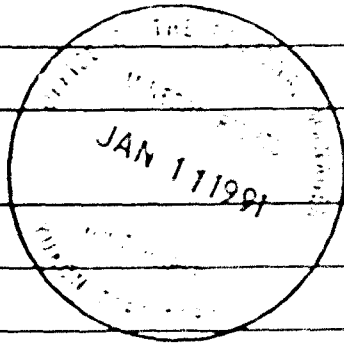


W.R. file no
R.M.W.R. file no
Date forwarded 07 JAN 1991

TRANSMITTAL FORM

From Mining Recorder at **WATSON LAKE**

To Regional Manager, Mineral Rights at Whitehorse, Y.T.



For action are

NEW APPLICATION FOR PLACER LEASE TO PROSPECT

Name

RENEWAL APPLICATION PLACER LEASE TO PROSPECT

Name

AFFIDAVIT OF EXPENDITURE ON PLACER LEASE

Name

SECURITY DEPOSIT

FINANCIAL ABILITY

ASSIGNMENT OF PLACER LEASE NO

From

GROUPING APPLICATION UNDER SEC 52(2) PLACER MINING ACT

Owner

DIAMOND DRILL LOGS

Claims

Claim sheet no

QUARTZ ASSESSMENT REPORT

Claims

Claim sheet no

Type of report

Submitted by

Cis work performed on

\$ rec for ren application

For Numbering Only
Please return this
copy

SHARON, SUSIE, VERNON, JANET

105-F-09

Geochemical?

Northwest Explorers Ltd

[Handwritten Signature]

Signature

Date returned

REPLY ACTION

092932

Signature



REPORT
ON

SILVER AND GOLD ANALYSIS

1967 KETZA RIVER, YUKON, SOIL GEOCHEMISTRY PROGRAM

FOR **092932**

NORTHWEST EXPLORERS LTD.

May 15, 1968

Alan R. Archer

Consultant

Vancouver, B.C.

INTRODUCTION

This report should be considered as an appendix to our 1967 report titled "Geochemical Exploration Program, Sharon, Suzie, Terry, Vernon and Janet Claims, Ketz River Area, Yukon".

Samples collected in 1967 from Grids A,D,E,F and part of G were analyzed for silver and samples from Grid E were analysed for gold. Analysis was done by Chemex Labs Ltd., North Vancouver, using a hot aqua-regia extraction to dryness followed by resolution in hot hydrochloric acid and assay by atomic absorption spectrometry. The purpose of the silver analysis was (a) to determine the effectiveness of silver as an indicator metal as compared to lead and (b) to locate possible areas of tetrahedrite (a mineral containing high silver but no lead) mineralization. The purpose of the gold analysis was to examine the possibility of a gold content in pyrite rich zones in dolomite on Grid E.

RESULTS

Gold values on Grid E were without exception below the detection limit indicating there are no gold showings of interest in this area.

Results of silver analysis expressed in parts per 10 million are plotted on grid maps in the envelopes appending this report. When comparing lead and silver values it is useful to remember that 10,000 parts per million lead is equivalent to 1% lead and that 343 parts per 10 million

(2)

silver is equivalent to 1 ounce silver per ton. Therefore, a sample assaying 1,000 p.p.m. lead (0.1%) and 34.3 parts per 10 million silver (0.1 ounces) indicates mineralization with a silver to lead ratio of 1 to 1. Results for individual grid areas are discussed as follows -

Grid G (see figure 9A) About half of the samples from this grid were analysed for silver in order to compare with the lead analyses in a known area of high response. Silver anomalies are generally congruent with lead anomalies but are not as well defined or as extensive. This clearly indicates that although silver would be an acceptable indicator metal it is not nearly as definitive as lead.

Grid A (see figure 3A) Several well defined silver anomalies occur on the northwest end of this grid in an area where lead response was low. As these silver anomalies are on a portion of the grid underlain by favourable dolomites they should be further investigated by more detailed sampling in case they represent vein zones with tetrahedrite mineralization.

Grid D (see figure 6A) The most significant silver anomaly on this grid occurs near the boundary of the Oxso Mines claims and is congruent with a lead anomaly. This anomaly should be sampled in more detail during 1968 only if convenient as the best part of the zone probably lies on Oxso ground.

(3)

Grid E (see figure 7A) All but one of the silver anomalies here are congruent with lead anomalies. Further exploration of this area should follow the recommendation outlined in the 1967 report.

Grid F (see figure 8A) A strong silver anomaly, with no corresponding lead anomaly, is located near 28+00S on line 72+00W. This area should be investigated by more detailed sampling and prospecting during 1968. All other silver anomalies are congruent with lead anomalies and will be investigated under the recommendations outlined in the 1967 report. The silver analysis of the anomalous lead values on the Calco 4 claim indicates that the mineralization here has a relatively low silver to lead ratio and is almost definitely not due to tetrahedrite mineralization as originally suspected.

CONCLUSIONS AND RECOMMENDATIONS

Silver has generally proven to be a reliable indicator metal but has not proven to be as good as lead. Two possible areas of tetrahedrite mineralization, both requiring further work, have been located on (a) the northwest end of Grid A and (b) the southeast end of Grid F. With the exception of these two areas detailed follow-up sampling as recommended in the 1967 report need only be analysed for lead.

The silver response on the Calco 4 claim has been disappointingly low thereby greatly reducing any urgency in

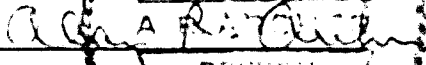
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acquiring this property.

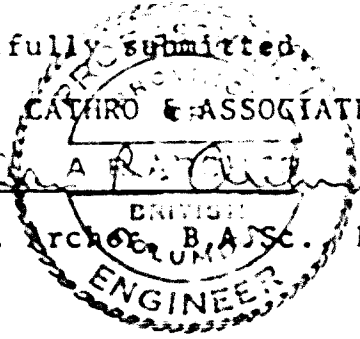
Gold analysis indicates there is no significant gold content associated with the pyrite rich zones in dolomite on Grid E.

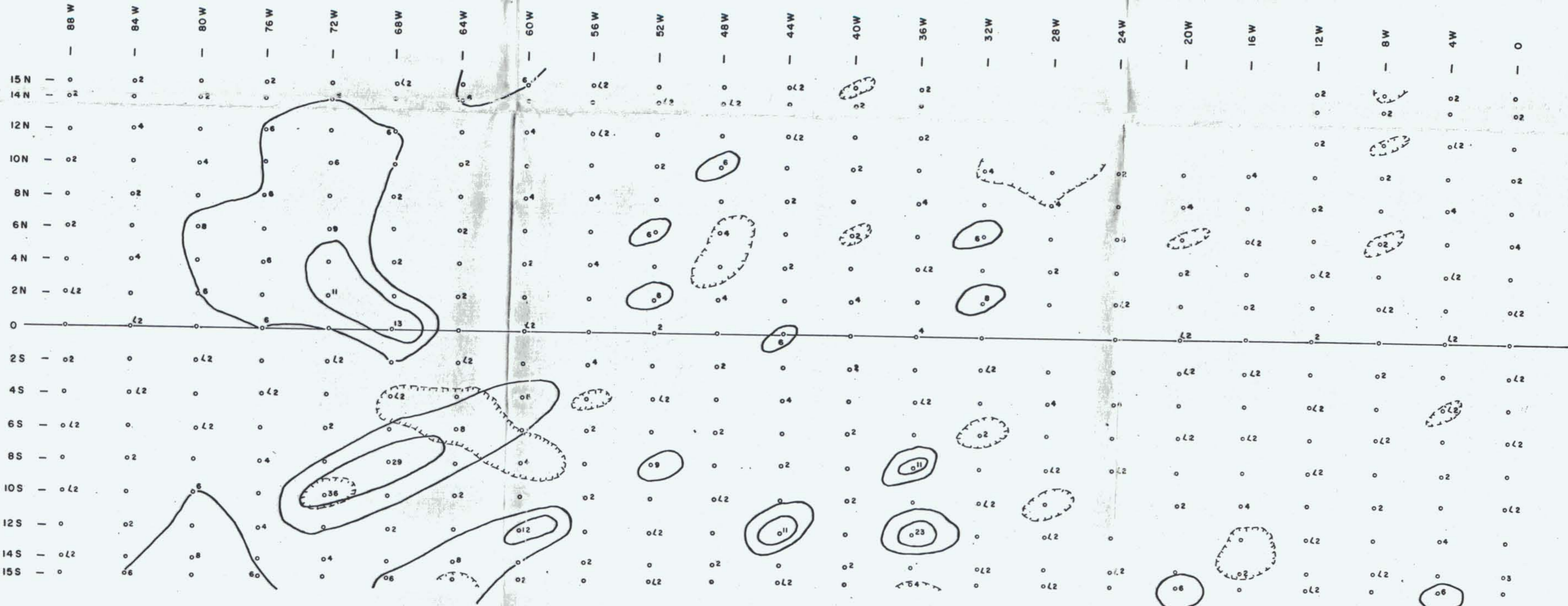
Respectfully submitted,

ARCHER, CATIRO & ASSOCIATES LTD.



Alan R. Archer, B.A.S.C. P. Eng.

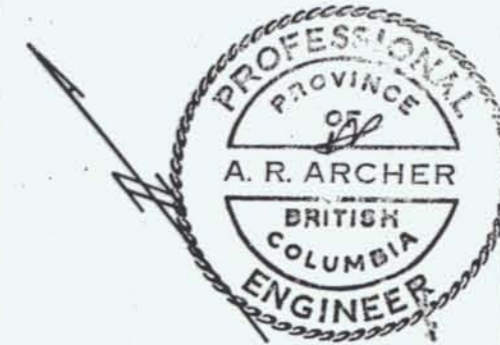




SU - SAMPLE UNOBTAINABLE
 o - SOIL
 x - SILT

Hot Acid Extraction

□ 6-10 (Parts per 10 million)
 □ 10+ " "
 --- AREA WHERE LEAD ANALYSIS EXCEEDS 100 p.p.m.



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116 MAP# 105-F-9

Silver Geochemistry

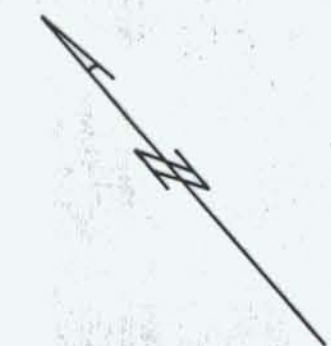
SHARON 49-60 CLAIMS
 NORTHWEST EXPLORERS LTD.
 KETZA RIVER AREA, YUKON

ARCHER, CATHRO & ASSOC. LTD.
 Consulting Geological Engineers

DATE	10 Aug. 1967	GRID - A DWG. FIG. 3-A
DRAWN	M. Hammes	
SCALE	1" = 500'	

52+00N — 02 02 042 02 042 042 02 042
 48+00N — 042 02 042 042 042 042 042 02
 44+00N — 042 042 04 04 042 02 03 02
 40+00N — 08U 02 02 08U 042 042 042 042
 36+00N — 04 02 02 02 02 042 042 042
 32+00N — 042 02 08 08 08 08 042
 28+00N — 042 042 02 02 02 04 02
 24+00N — 042 042 042 04 04 04 04
 20+00N — 04 06 042 042 042 042 042 042
 16+00N — 06 08 04 04 04 042 042 042

12+00N — 02 06 03 04 04 04 042 02 07 042 042 02 02 02 08U 04
 8+00N — 042 02 02 042 042 042 042 072 072 02 02 02 02 02 042 042 02 02
 4+00N — 042 02 02 042 042 042 042 02 02 02 02 02 042 042 042 042 042
 0 — 015 08 02 02 02 042 04 02 042 042 02 042 02 02 02 042 042 042 042 042
 4+00S — 015 08 02 02 02 042 042 042 042 042 042 042 042 042 042 042 042 042 042
 8+00S — 02 042 042 04 04 042 042 042 042 042 042 042 042 042 042 042 042 042
 12+00S — 042 042 042 042 042 042 042 042 042 042 042 042 042 042 042 042 042 042
 16+00S — 042 042 042 042 042 042 042 042 042 042 042 042 042 042 042 042 042 042



SU - SAMPLE UNOBTAINABLE
 o - SOIL
 X - SILT

Hot Acid Extraction

6-10 (Parts per 10 million)
 10+ " " "

AREA WHERE LEAD ANALYSIS EXCEEDS 100 p.p.m.

SUZIE, TERRY, VERNA OPTION

JOE CLAIMS (OXSO MINES)

CLAIM BASELINE (SHARON 65-72)

CLAIM BASELINE (SHARON 72-88 CLAIMS)



092932

15+00W — 12+00W — 8+00W — 4+00W — 0 — 4+00E — 8+00E — 12+00E — 16+00E — 20+00E — 24+00E — 28+00E — 32+00E — 36+00E — 40+00E — 44+00E — 48+00E — 52+00E — 56+00E — 60+00E — 64+00E — 68+00E — 72+00E — 76+00E — 80+00E — 84+00E — 88+00E — 4W — 0

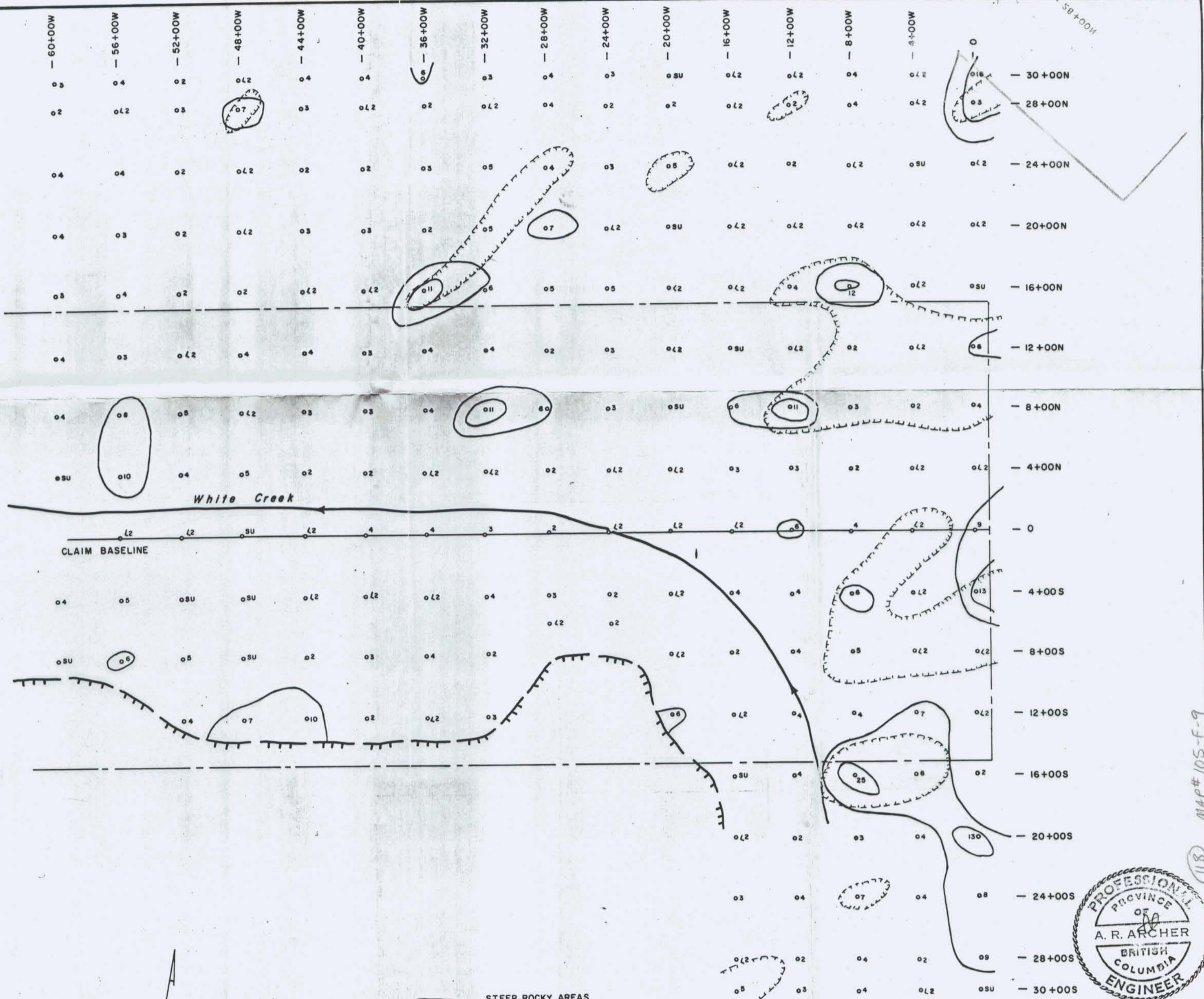
Silver Geochemistry

SHARON 65-88 CLAIMS
 Northwest Explorers Ltd.
 KETZA RIVER AREA, Y.T.

ARCHER, CATHRO & ASSOC. LTD.
 Consulting Geological Engineers

DATE	30 April 1968	GRID - D
DRAWN	<i>[Signature]</i>	DWG. FIG. 6-A
SCALE	1" = 500'	

115 MAP# 105-F-9



STEEP ROCKY AREAS
 BOUNDARY (Sharon Claims)
 SU - SAMPLE UNOBTAINABLE
 o - SOIL
 x - SILT
 AREA WHERE LEAD ANALYSIS EXCEEDS 100 p.p.m.

Hot Acid Extraction
 6-10 (Parts per 10 million)
 10+ " "

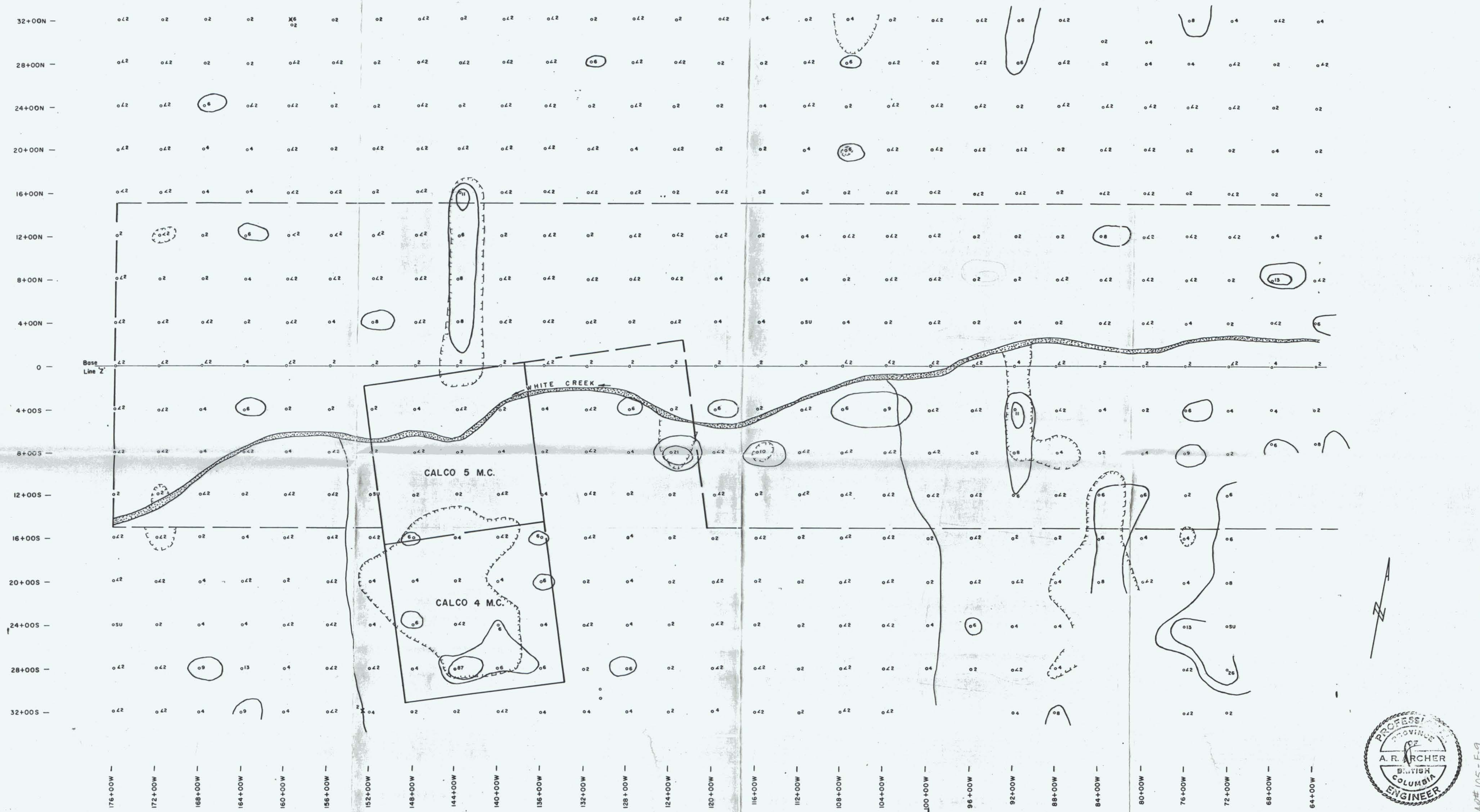
092932

Silver Geochemistry

SHARON 97-104 CLAIMS		PROFESSIONAL PROVINCE OF A. R. ARCHER BRITISH COLUMBIA ENGINEER
Northwest Explorers Ltd. KETZA RIVER AREA, Y.T.		
ARCHER, CATHRO & ASSOC. LTD. Consulting Geological Engineers		
DATE	29 April 1968	GRID - E FIG. - 7 - A DWG.
DRAWN	<i>Archives</i>	
SCALE	1" = 500'	

MAP# 105-F-9 (118)

NOTE: SAMPLE FROM RIDGE 1000' AWAY ASSAYED IN PARTS PER 10 MILLION



- BOUNDARY SHARON CLAIMS
- SU - SAMPLE UNOBTAINABLE
- o - SOIL
- X - SILT
- AREA WHERE LEAD ANALYSIS EXCEEDS 100 ppm.

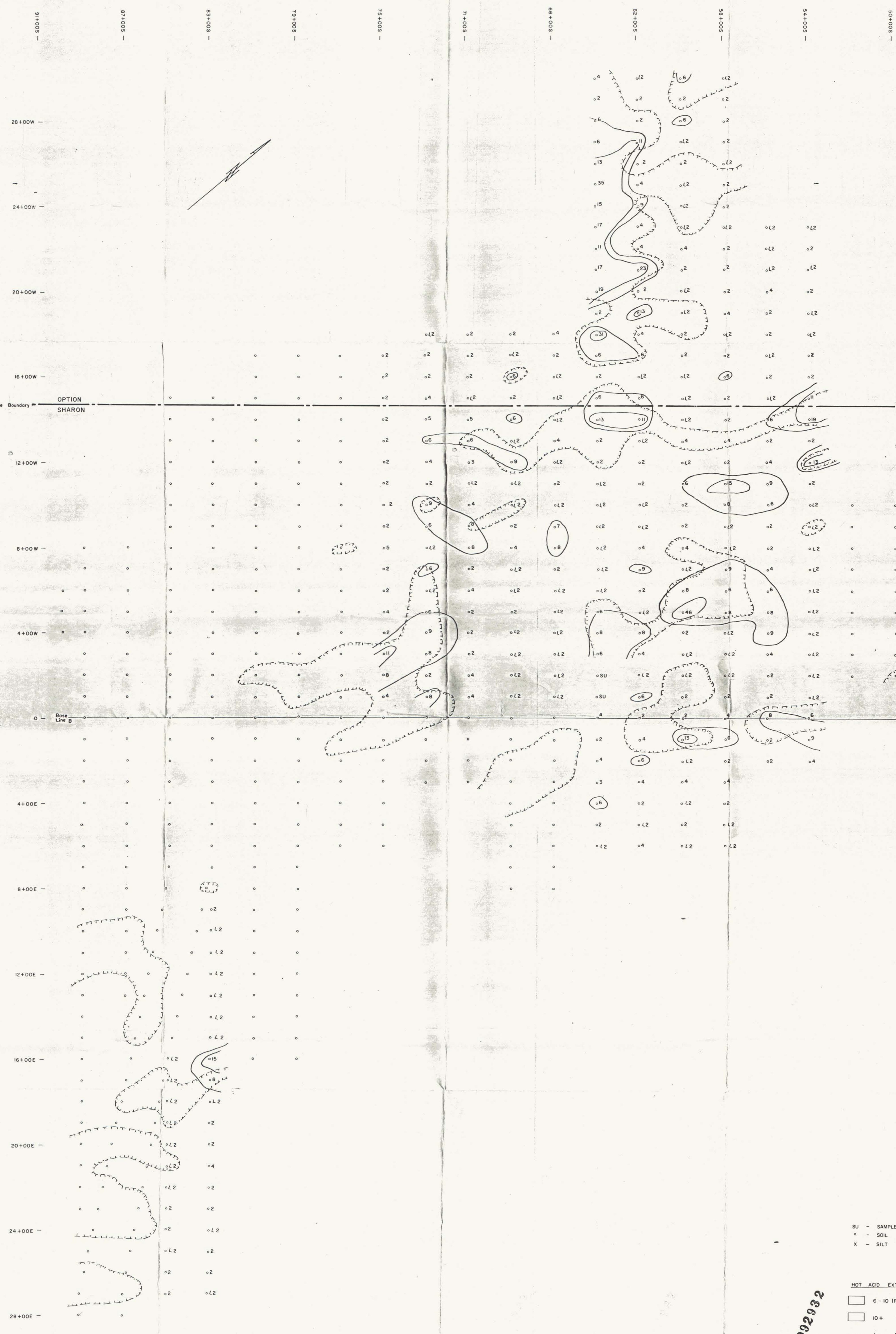
Hot Acid Extraction	
6-10 (Parts per 10 million)	□
10+ " "	□



092932

Silver Geochemistry	
SHARON 105-120 CLAIMS NORTHWEST EXPLORERS LTD. KETZA RIVER AREA, YUKON	
ARCHER, CATHRO & ASSOC. LTD. <i>Consulting Geological Engineers</i>	
DATE	30 April 1968
DRAWN	<i>Williamson</i>
SCALE	1" = 500'
	GRID-F DWG. FIG. 8-A

117 MAP# 105-F-9



SU - SAMPLE UNOBTAINABLE
 o - SOIL
 x - SILT

HOT ACID EXTRACTION
 □ 6 - 10 (Parts per 10 million)
 □ 10+ " "
 Area where lead analysis exceeds 100 pp.m.

092932



Silver Geochemistry
SHARON 9-14 CLAIMS
 NORTHWEST EXPLORERS LTD.
 KETZA RIVER AREA, YUKON
 ARCHER, CATHRO & ASSOC. LTD.
 Consulting Geological Engineers

DATE	27 April 1968	GRID - G
DRAWN	Archiver	DWG. FIG. 9-A
SCALE	1" = 200'	

