ASSESSMENT REPORTS

MAP No. 105-F-9 **TYPE OF WORK:** Engineering Report

REPORT FILED UNDER	Stump Mines Ltd.
DATE PERFORMED	Sept. 1968 — DATE FILED: Sept. 1968
LOCATION - LAT.	Kaska River Area, Y.T.
LONG.	
CLAIM Nos.	see back -
WORK DONE BY	Canadian Bechtel Ltd.
WORK DONE FOR	Stump Mines Ltd.
REMARKS	A site investigation was conducted on the area. A review here is given of the results of the exploration program carried out to date. Some exposures were located by conventional and geochemical methods. Tunnelling was carried out on four of these. More than 30 substantial or potentially so ore showings have been located, four

of which have been further prospected:
Lead-zinc, silver are in the showings.

CLAIM NOS.

Key	1-37	Don	6,8,13, 15
Key fr	1-5	Cap fr	1
Jan	1 & 2	Eva	1-24
Lap	1-21	Tip	1-15, 24-26
Pex	1-11	Marion	1-16
North Key	1-16		
Angel	1		
Mona Fr	1&3		
Mona	4-6		
Lucky	1-8		
Tor	1-15		
	17-24		
Tor fr	16		
Rusty	7-8, 24-39		
Cap	1-15		

APPENDIX "A"
STUMP MINES
FEB. 11/69

REPORT AND FINDINGS OF VISIT

TO

KETZA RIVER PROPERTIES

ROSS RIVER, YUKON TERRITORY

SEPTEMBER 15-17, 1968

Prepared for

STUMP MINES LTD.

by

CANADIAN BECHTEL LIMITED

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5.	OPINION AND CONCLUSIONS	5-1
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APPENDICES

A. LOCATION MAP

B. CLAIM MAP WITH MINERALIZED EXPOSURES

C. PROSPECTING PROGRAMME SCHEDULE

SECTION 1

INTRODUCTION

On September 10, 1968, Canadian Bechtel were commissioned by Stump Mines Ltd. to perform engineering services according to the following terms of reference:

1. Bechtel shall conduct a site investigation and review the results of the exploration program carried out to date on Owner's Ketza River Property, Yukon Territory.

2. Bechtel shall review the next exploration stage proposed by Owner.

3. Bechtel shall prepare and submit a report summarizing the findings in 1 and 2 above and setting forth its comments and suggestions on Owner's program for the immediate future.

Two members of Bechtel and Company's mining staff visited the property between September 15th and 17th and this report summarizes the findings and reviews information obtained regarding the Owner's future plans for this property.

SECTION 3

VISIT TO THE PROPERTY

Messrs. L.J. Lamb and R. Wilcox from Bechtel and Company, Montreal, visited the property accompanied by Mr. Leon Laprairie and Mr. J.W. Shemilt during the period September 15-17, 1968.

An inspection of all reported major mineralized showings was made and current underground activities were examined in company with Mr. M. Phillips and W. McKenzie of Archer Cathro and Mr. R. Phillips the property manager and mining contractor. Due to the extent of the property and the time factor this visit was entirely confined to familiarization with the area and the gathering of information. No verification of the information received could be performed and details appearing in Section 4 of this report have been obtained directly from Company records and conversations with Company personnel.

At the express request of the principals of the Company the two Bechtel personnel took part in discussions of the proposed winter prospecting programme and, as an aid to the management, assisted in drawing up a schedule of priorities for the continued development of those prospects having the greatest apparent success potential.

It was strongly indicated and mutually understood that the Bechtel personnel, while exercising their best professional judgment, were in no way guaranteeing the success of work thus scheduled.

A handwritten copy of this schedule was submitted to and accepted by Messrs. Laprairie and Shemilt before departure from the property, the same details appearing as an Appendix to this report.

SECTION 4

SUMMARY OF WORK PERFORMED TO DATE

The material set out below constitutes a summary of information obtained from company personnel and their records but which has not been verified for its accuracy.

a) Access

Main access roads aggregating some 12 miles have been constructed on the property to service the principal areas in which significant mineralization has been located. These roads are in most cases suitable for 4-wheeled drive vehicles in terms of surface, grade and width under all weather conditions.

b) Campsite

A campsite suitable for up to 30 men, together with some office space, has been constructed at the approximate centre of the property at the confluence of the Cache Creek and Ketza River.

c) Airstrip

A 2000' winter airstrip and all weather helicopter landing pad are located at the campsite.

d) Surface Exploration

Some 30 mineralized exposures have been located by conventional and geochemical methods of which about half lie on Silver Key property and all but two of the remainder on ground under option to Silver Key. The most extensively prospected showing to date, the A-1, lies on ground wholly owned by Stump Mines Ltd., the EVA-22 claim.

e) Four of the showings have been investigated by tunnelling:

A-1
F-2
LAP-10
K-18-B Commenced 27 Sept., 1968.

A-1 An aggregate of 1600' of cross-cut, drifting and raising was completed the adit portal being established about 150' below the surface showing.

Samples from the surface trenching indicated two mineralized zones aggregating 810 feet long assaying 24.9 ozs silver and 22.2% lead over a 4' width.

Sampling of the adit indicated a total mineralized length of 662 feet averaging 9.1 ozs silver per ton with 7.2% lead over a width of 4 feet. A reduced length to exclude poor values encountered at the south end would indicate 506' at 19 ozs silver over a width of 2.4 feet or about 11.4 ozs silver per ton over 4 feet.

Complete assay results from the raise put through are not yet available but the first 67 feet assayed 20.6 ozs silver over an average width of 4.8'.

F-2 Approximately 150' of adit has been completed without the downward extension of the surface showing (approximately 900' in aggregate) being located. Short cross-cuts were put out to hanging and footwall for distances of 10' and 20 without success.

LAP-10 The vein traced on the surface intermittently over 400' in length indicated values of 35 ozs silver and 38% lead over a 3.5' width.

A cross-cut put in about 100' below the showing indicated a non-mineralized shear zone which was followed for some distance.

A reappraisal of the geological situation reassessed the dip of the vein and a raise put up

from a position 20' north of the shear zone intersected the vein at 61' above adit level showing the vein to have a much flatter attitude than originally expected. No assays are yet available from the intersection.

K-18-B A substantial surface showing extending some 200' was exposed and produced specimens having values in excess of 100 ozs silver per ton.

An adit sited about 75' below the surface showing intersected a 12' vein at 125' from the portal.

Drifting along the vein, reportedly consisting of 4' of steel galena and 8' of siderite with crystalline galena, is continuing to the south into the mountain side and in the direction of an upper surface showing, the K-18, which produced float specimens having values of between 80 and 150 ozs silver per ton.

SECTION 5

OPINION AND CONCLUSIONS

a) Expenditure to date has approached $1 million and is very well represented by the considerable and extensive work done on the areas held.

b) More than 30 substantial or potentially substantial ore showings have been located, four of which have been further prospected by underground entries.

c) The method of sampling carried out to date would appear to have been well directed and carefully performed and the results must be accepted at this stage as reasonable estimates. However, the samples themselves were not seen or physically checked.

d) The ore zones have not yet been developed sufficiently to ascribe tentative tonnages or grades and insufficient information is available to determine the mineralization controls, pattern or distribution in the area with any certainty.

e) The A-1 lode, the most thoroughly investigated to date, suggests that a diminution of values may take place with depth such that either there exists a standard ratio between strike length and depth or that values may be absent below a standard depth below ground level regardless of strike length. Current underground work should provide important information on the validity of these hypotheses.

f) The total value of this property may be the aggregate of many relatively small but rich individual deposits rather than one extensive, continuous zone and if this is the case, considerable further time would probably be required to verify an amortization tonnage.

g) While it is not possible without proven reserves and mining and treatment costs to cite a minimum amortization tonnage, the figure of 200,000 given by the geological consultants represents a reasonable goal. Management's view that this may be most efficiently achieved by continued underground exploration beneath the most encouraging surface showings is supported by Bechtel's observations at the property.

h) The method at present being followed, that of location of the downward extension by cross-cuts and subsequent drifting along mineralized veins, should in due course be supplemented by raising to establish continuity between horizons. The intervals between raises will have to be determined after drift value distributions are known.

i) From the previous experiences of diamond drilling this method seems unlikely to prove of value for evaluation purposes for this type of property and is therefore not recommended.

j) Creation of bulk samples such as the 8000 tons of material in a single pile at the A-1 portal pad gives rise to considerable difficulties in preparing representative samples for metallurgical testing. It has been recommended that smaller samples such as 100 pounds per round be saved and aggregated for this purpose.

k) Ground conditions for future mining appear encouraging since in only two small areas has heavy ground been encountered. Generally the timber supporting all drifts inspected carries no substantial loads as yet.

SECTION 6

PROPOSED WINTER 1968 PROSPECTING PROGRAMME

Group discussions were held with the Owners' principals and the mine personnel and consultants to determine priorities for the period between September 17th and the winter season.

Following verbal agreement as to targets the time schedule was obtained from estimates provided by operating personnel and the results summarized as a bar chart, the details of which appear in the Appendix to this report.

To aid in the selection and allocation of priorities the following agreed ground rules were developed:

i) In view of the already large numbers of possibly significant surface showings obtained to date, and the difficulties of continued stripping during the winter, this form of prospecting would be discontinued at the earliest date convenient until mid-1969.

ii) Of the known areas, priority would be given those having greater possibilities of developing tonnage. Subsequently, under winter conditions, concentration should be on underground development. The remaining good weather should be used to prepare entries below significant surface showings.

iii) No increase in underground mining personnel beyond the present strength of six men (on three crews) would be made.

The results of this evaluation produced the following programme:

1. Adit F-2 — Two cross-cuts to be put in to N and S in an attempt to locate downward extension. On completion of 25' whether successful or not - hold.

2. New Adit K-18-B — Prepare portal and continue cross-cutting to the downward extension. Drift along vein when found.

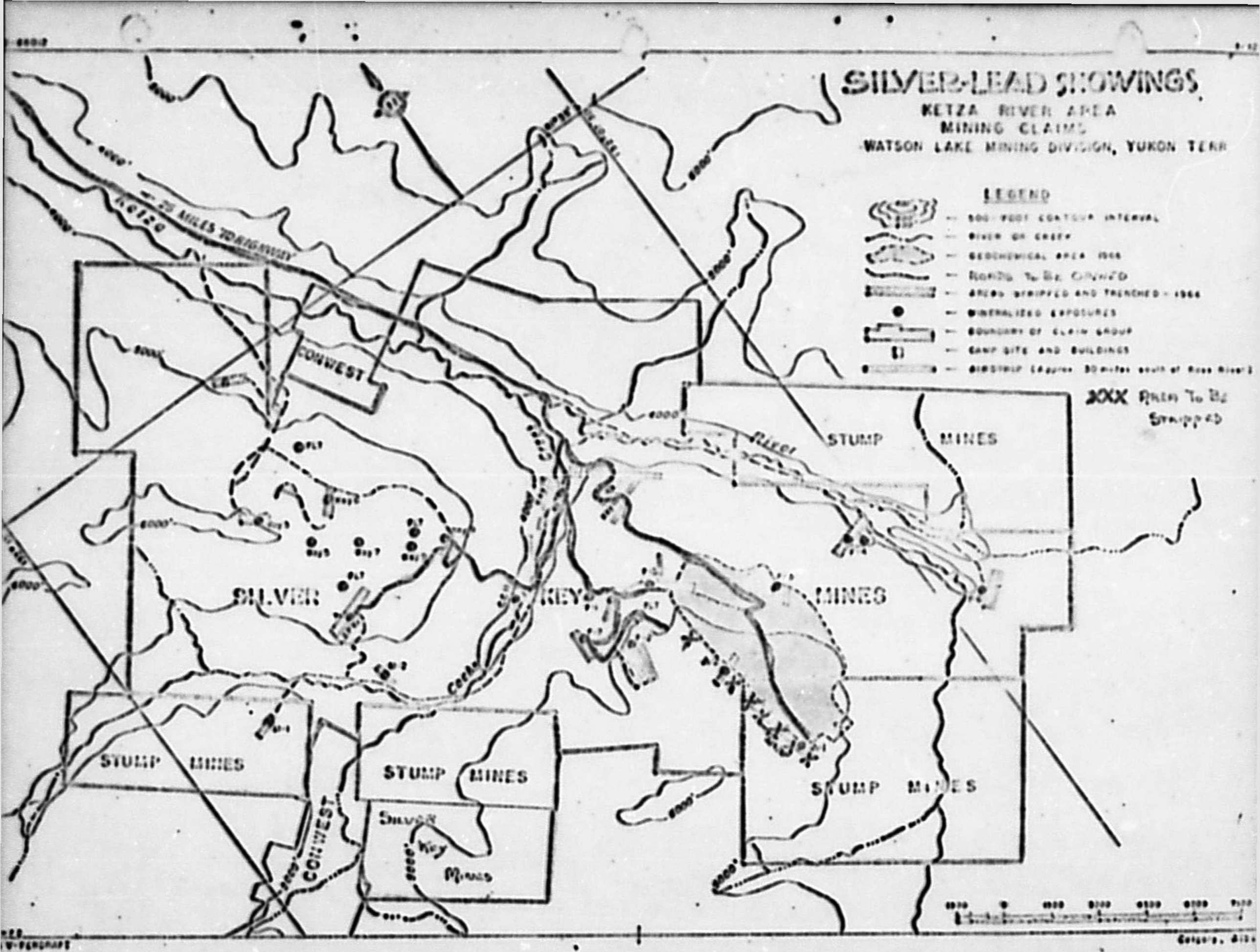
3. LAP-10 — Review preliminary geological assessment and re-estimate vein dip. Raise from existing cross-cut to intersect downward extension.

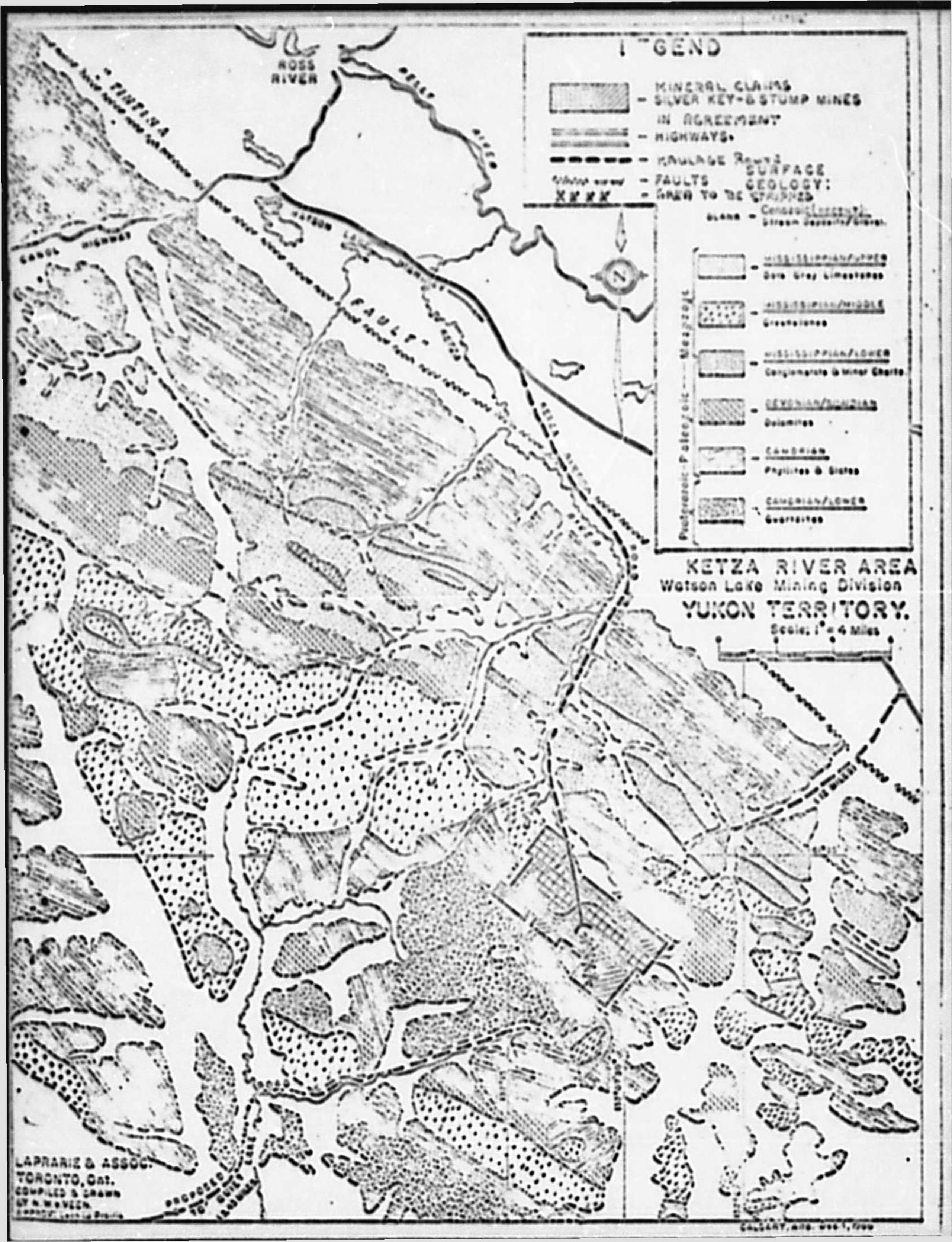
4. New Lower Adit A-1 — Prepare access and portal after re-determining best point of entry to intersect downward extension. Drive X-cut and drift when intersection obtained. Continue until Christmas break and resume on February 1st.

5. Surface Anomalies — Release 1 rented Cat by October 5th and continue with second rented machine until October 31st when this would be returned.

6. Road, Campsite and Airstrip — Proceed with rental purchase of wheeled front end loader to move gravel at maximum rate possible to complete coverage of the above areas.

7. Assessment Work Recording — Instructions were given to Archer Cathro by Mr. Laprairie to make arrangements for recording assessment work against those claims expiring November 28th, 1968 and December 28th, 1968.


SILVER-LEAD SHOWINGS
KETZA RIVER AREA
MINING CLAIMS
WATSON LAKE MINING DIVISION, YUKON TERR
LEGEND
XXX Area To Be Stripped
KETZA
CONWEST
SILVER
KEY
STUMP
MINES
Silver
Key
Mines

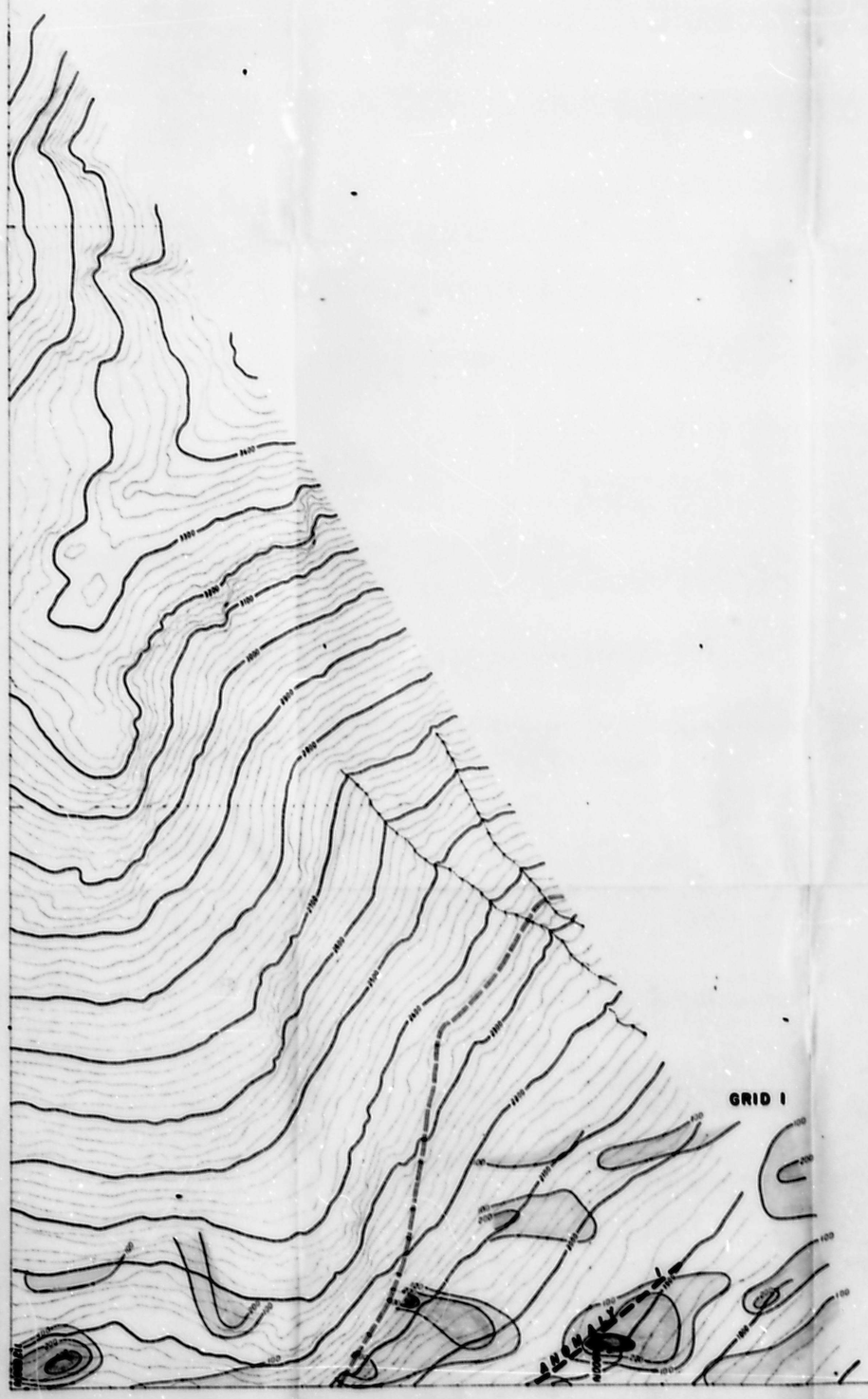

LEGEND
MINERAL CLAIMS
- SILVER KEY-B STUMP MINES IN AGREEMENT
- HIGHWAYS
- MAINLINE ROADS
- FAULTS
- AREA TO BE STRIPPED
SURFACE GEOLOGY:
Cenozoic (recent)
Stream Deposits/Gravel
MISSISSIPPIAN/UPPER
Dark Grey Limestones
MISSISSIPPIAN/MIDDLE
Greywackes
MISSISSIPPIAN/LOWER
Conglomerate & Minor Cherts
DEVONIAN/SILURIAN
Dolomites
CAMBRIAN
Phyllites & Slates
CAMBRIAN/LOWER
Quartzites
Mesozoic
Paleozoic
KETZA RIVER AREA
Watson Lake Mining Division
YUKON TERRITORY.
Scale: 1" = 4 Miles
ROSS RIVER
FINLAYSON
FAULT
LAPRARIE & ASSOC.
TORONTO, Ont.
COMPILED & DRAWN
BY N. MAVECH.

APPENDIX "A"
STUMP MINES LTD.
FEB. 11/69

STUMP MINES - SILVER KEY MINES
KETZA RIVER - Y.T.

LEGEND
Hot Acid Extraction
100 - 200 ppm
200 - 400 ppm
400 + ppm
Possible vein

C	F	K
B	G	J
A	H	I

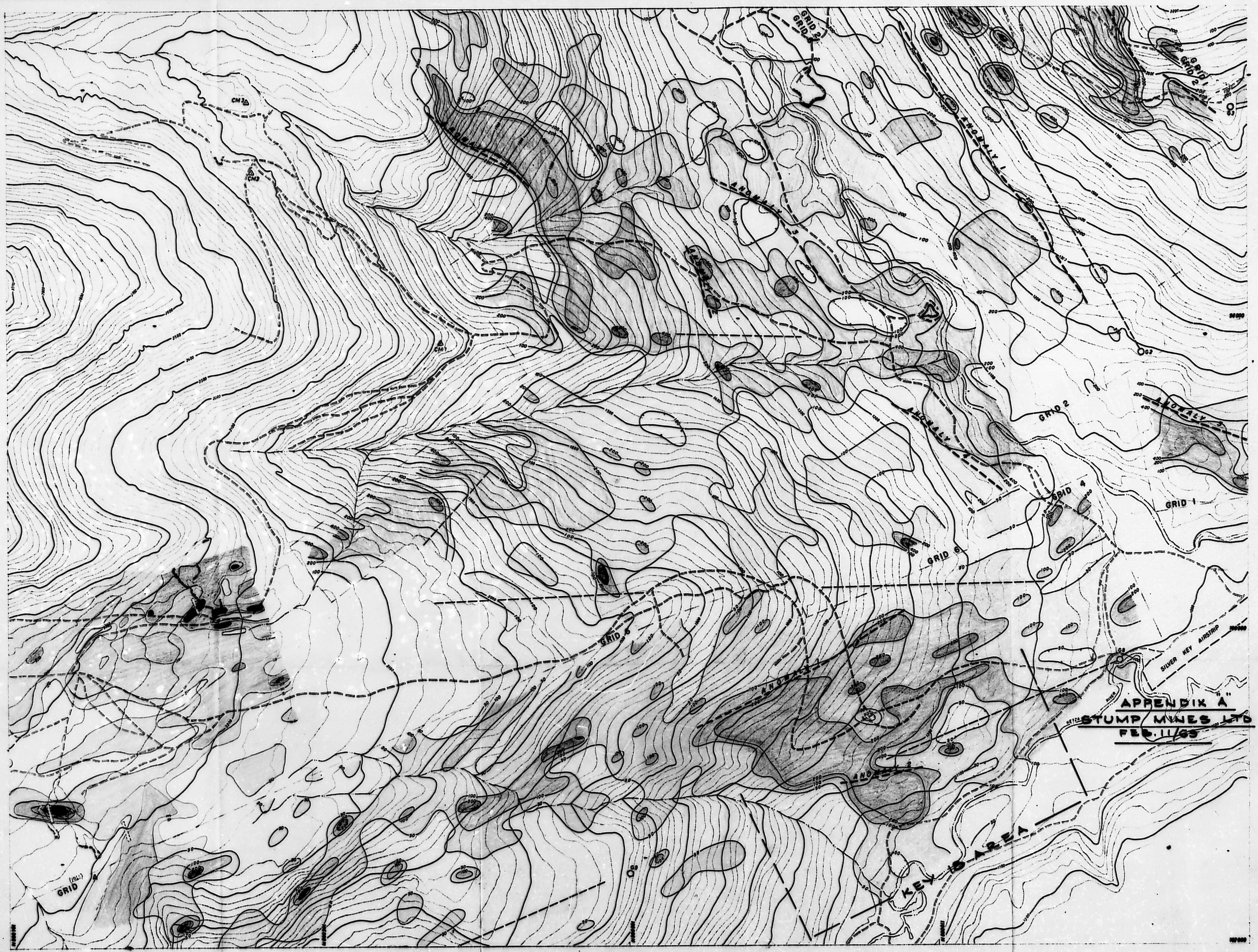


APPENDIX "A"
STUMP MINES LTD.
FEB. 11/69

STUMP MINES - SILVER KEY MINES
NETZA RIVER - Y.T.

LEGEND
Hot Acid Extraction
100 - 200 ppm
200 - 400 ppm
400 + ppm
Possible vein

C	F	E
B	G	J
A	H	I



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NORTHWEST SURVEY CORP LTD
THROUGH PHOTOGRAMMETRIC METHODS
FROM AERIAL PHOTOGRAPHY AUGUST 1969

STUMP MINES - SILVER KEY MINES
KETZA RIVER - Y.T.

Scale 1"=200'

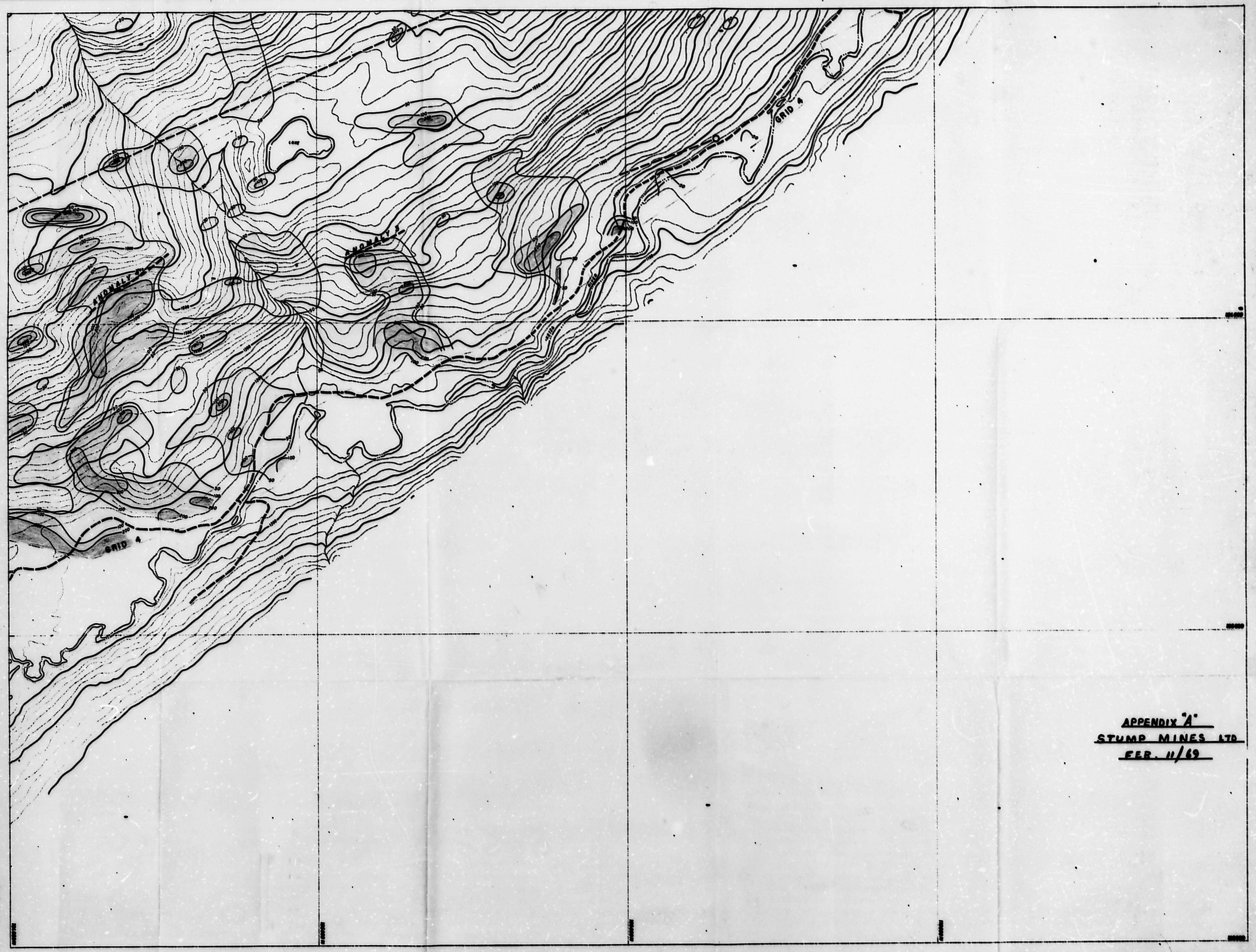
LEGEND
Hot Acid Extractions

Grid 4	Grids 1 & 6	Grid 2
50-100 ppm	100-200 ppm	200-400 ppm
100-200 ppm	200-400 ppm	400-800 ppm
200+ ppm	400+ ppm	800 + ppm
800+ ppm		

Possible vein

C	F	K
B	G	J
A	H	I

Suggested trench
ROADS & TRAILS
TRENCHES
CUT LINES
BUILDINGS
CONTROL MONUMENTS
HYDROGRAPHY
GRID TARGETS
ADIT PORTAL



APPENDIX "A"
STUMP MINES LTD
FEB. 11/69

STUMP MINES - SILVER KEY MINES
NETZA RIVER - Y.T.

LEGEND
Hot Acid Extraction
50 - 100 ppm
100 - 200 ppm
200 + ppm
Possible vein

C	F	K
B	G	J
A		I

GND 82-100

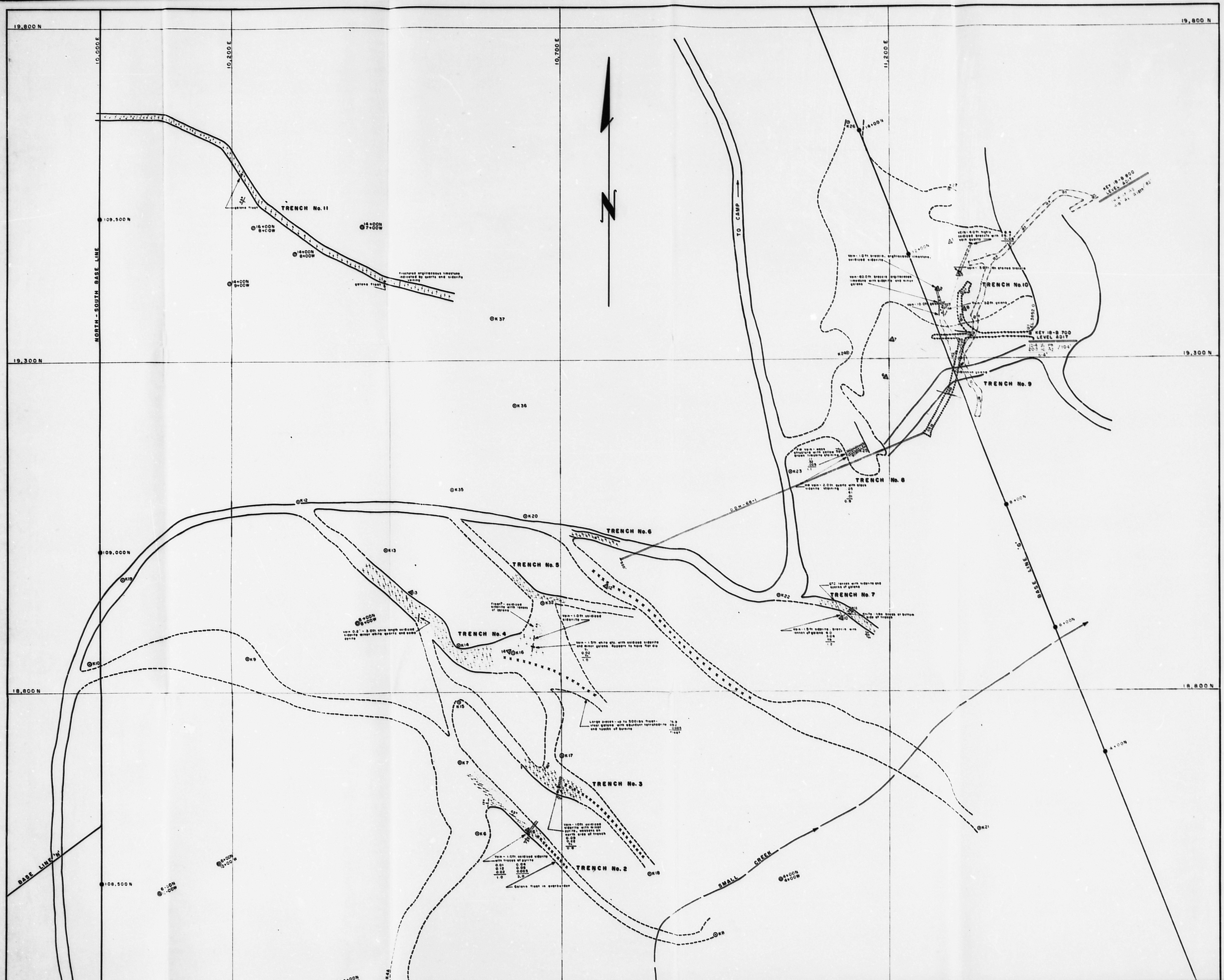
Maps to be added to original report 018890

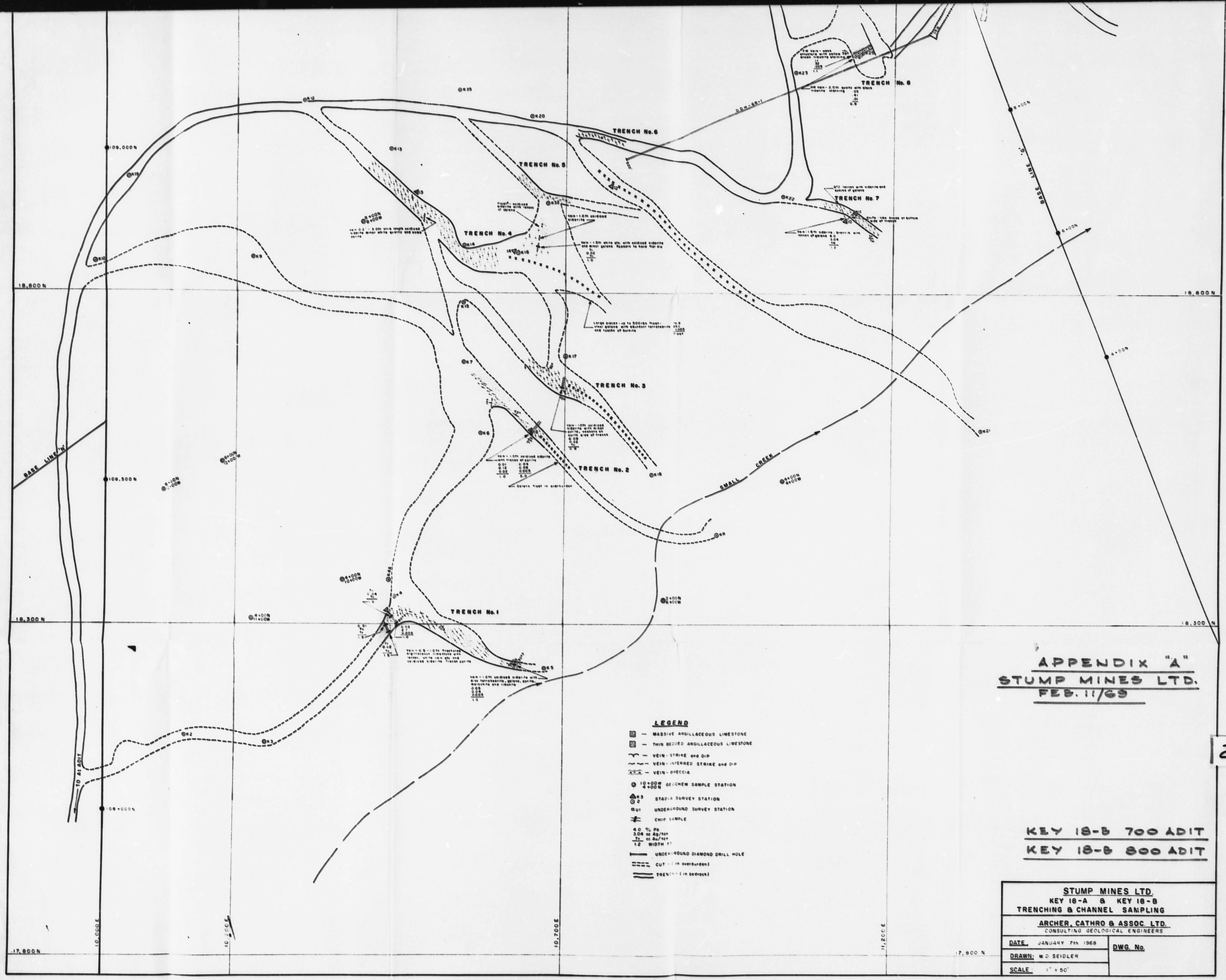
ASSESSMENT REPORTS

MAP No. 105-F-9 **TYPE OF WORK:** Engineering Report, Geochem

REPORT FILED UNDER	Stump Mines Ltd. & Silver Key Mines Ltd.
DATE PERFORMED	Sept. 1968 — DATE FILED: Sept. 1968
LOCATION – LAT.	61° 35'N — Keele River Area, Y.T.
LONG.	132° 07'W
CLAIM Nos.	
WORK DONE BY	Canadian Bechtel Ltd. L. T. Lamb, R. Wilcox
WORK DONE FOR	Stump Mines Ltd.
REMARKS	A site investigation was conducted on the area. A review here is given of the results of the exploration program carried out to date. Some exposures were located by conventional and geochemical methods. Tunnelling was carried out on four of these. More than 30 substantial or potentially so ore showings have been located, four of which have been further prospected for Pb-Zn-Ag.

NMEAP


19,800 N
19,300 N
18,800 N
10,000 E
10,200 E
10,700 E
11,200 E
NORTH - SOUTH BASE LINE
BASE LINE 'W'
BASE LINE 'G'
109,500 N
109,000 N
108,500 N
TO CAMP
SMALL CREEK
TRENCH No. 11
TRENCH No. 10
TRENCH No. 9
TRENCH No. 8
TRENCH No. 7
TRENCH No. 6
TRENCH No. 5
TRENCH No. 4
TRENCH No. 3
TRENCH No. 2
KEY 18-B 700 LEVEL ADIT
KEY 18-B 800 LEVEL ADIT
K 37
K 36
K 35
K 12
K 20
K 13
K 19
K 10
K 9
K 14
K 16
K 15
K 17
K 7
K 6
K 18
K 8
K 21
K 22
K 23
K 24B
K 26
K 32
14+00N
12+00N
10+00N
8+00N
6+00N
4+00N
16+00N 8+00W
14+00N 7+00W
14+00N 8+00W
14+00N 9+00W
8+00N 8+00W
6+00N 12+00W
6+00N 11+00W
4+00N 4+00W
galena float
fractured argillaceous limestone indicated by quartz and siderite veining
Vein - 1.0 ft oxidized siderite
Large pieces - up to 500 lbs float - float galena with abundant tetrahedrite and specks of barite
Vein - 1.0 ft oxidized siderite with trace of galena
Galena float in overburden



APPENDIX "A"
STUMP MINES LTD.
FEB. 11/69

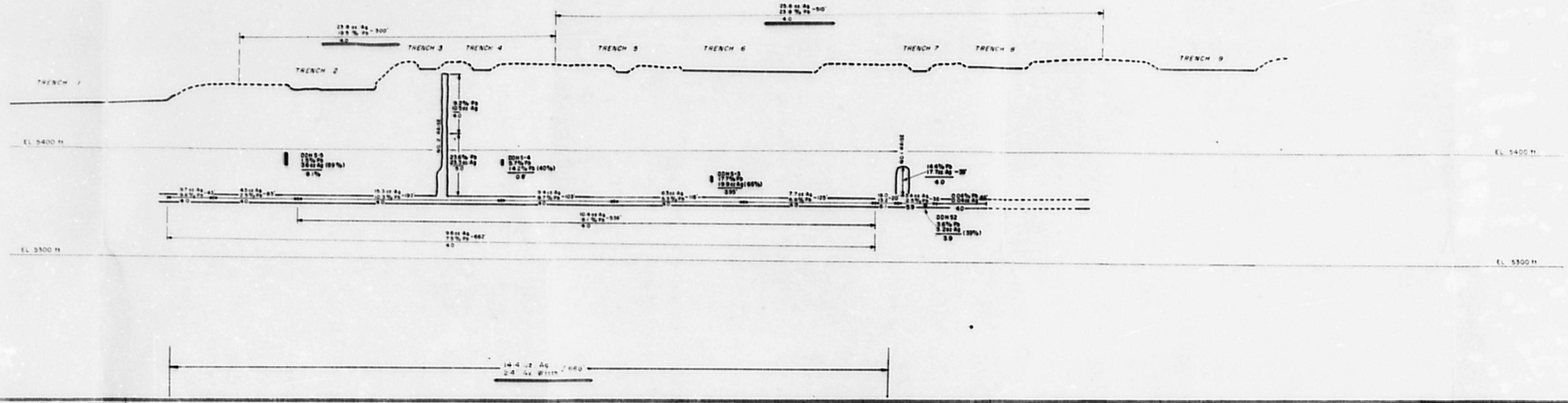
2 OF 2

KEY 18-B 700 ADIT
KEY 18-B 800 ADIT

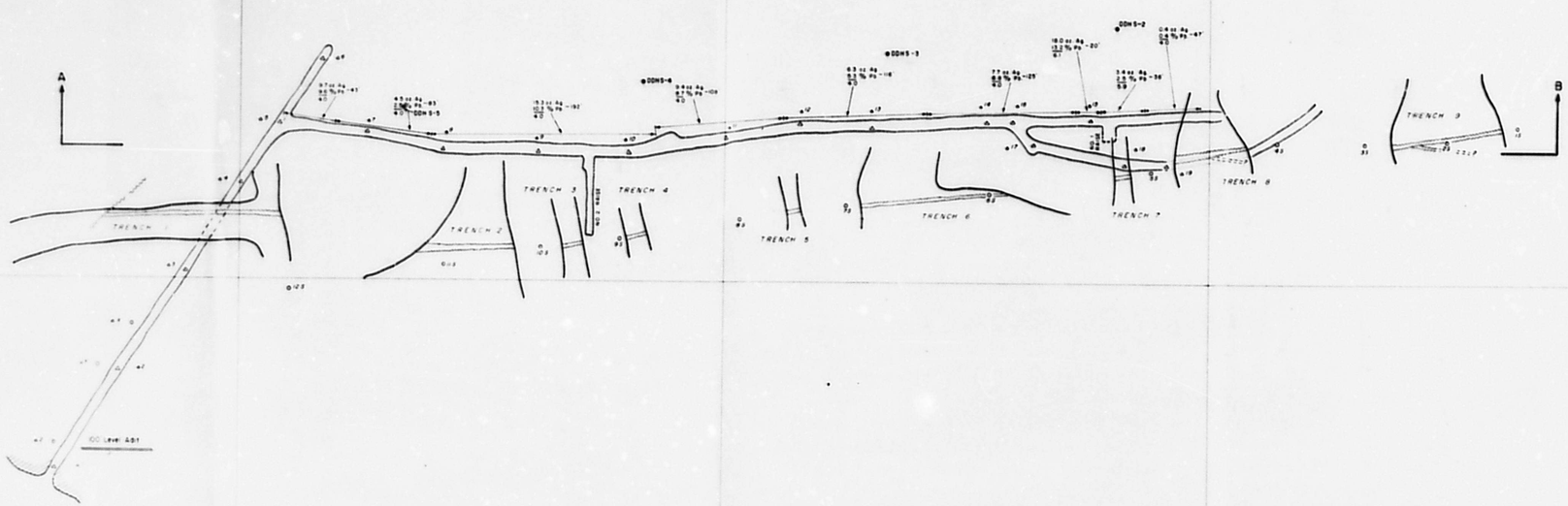
STUMP MINES LTD.
KEY 18-A & KEY 18-B
TRENCHING & CHANNEL SAMPLING

ARCHER, CATHRO & ASSOC. LTD.
CONSULTING GEOLOGICAL ENGINEERS

DATE: JANUARY 7th 1968
DRAWN: W.D. SEIDLER
SCALE: 1" = 50'
DWG. No.



VERTICAL - LONGITUDINAL SECTION A - B



APPENDIX "A"
STUMP MINES LTD.
FEB. 11/69

LEGEND

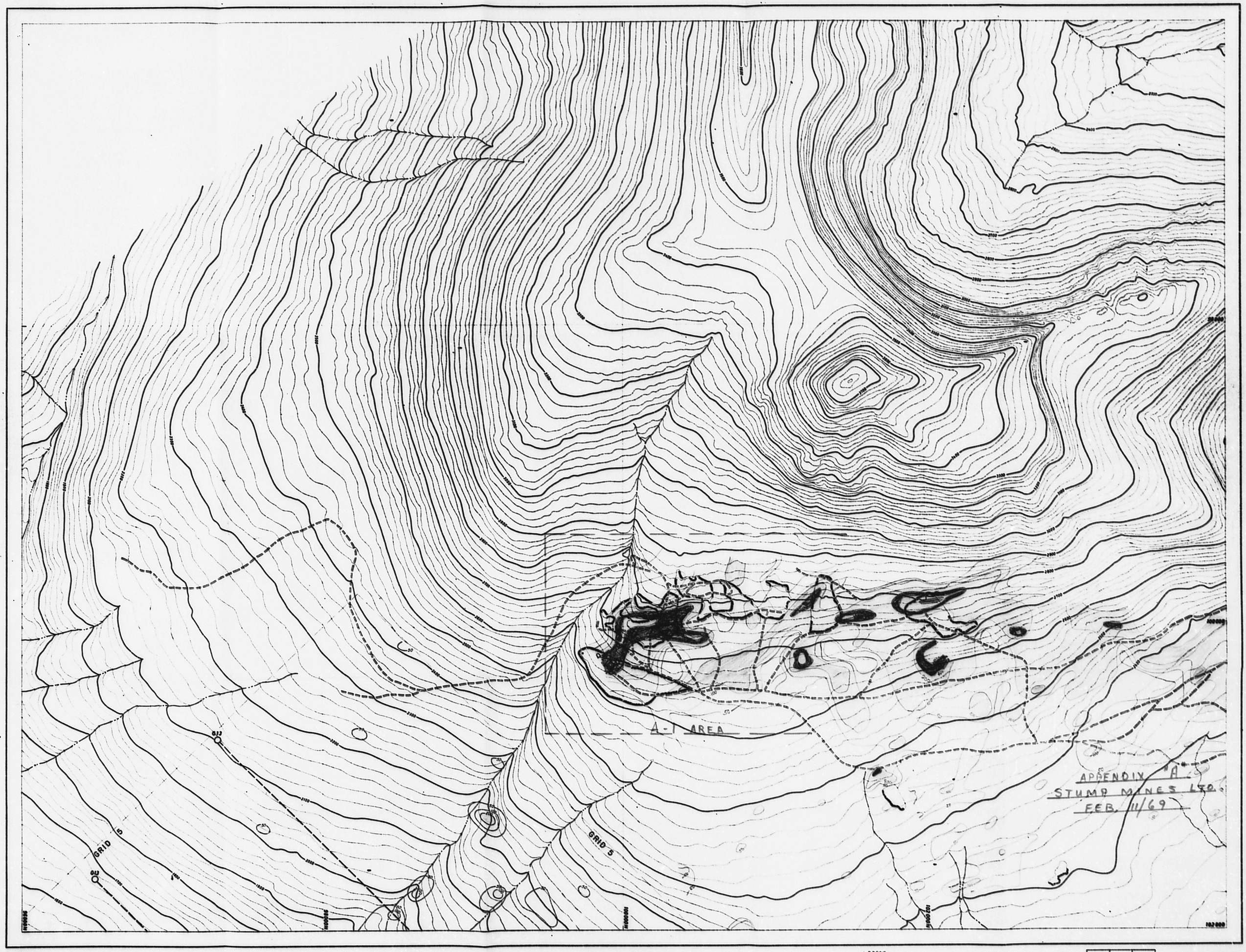
Diamond drill hole — intersection of vein — DDH 5-5 — % Pb / oz Ag / Ton (% Recovery) — Recovery of Vein

PLAN

PLAN AND VERTICAL LONGITUDINAL SECTION SHOWING SURFACE AND UNDERGROUND WORKINGS A-1 VEIN
STUMP MINES LTD.

ARCHER, CATHRO & ASSOC. LTD.
Consulting Geological Engineers

DATE	2 OCT 1968	
DRAWN	[illegible]	
SCALE	1" = 50'	DWG.



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THROUGH PHOTOGRAMMETRIC METHODS
FROM AERIAL PHOTOGRAPHY AUGUST 1969

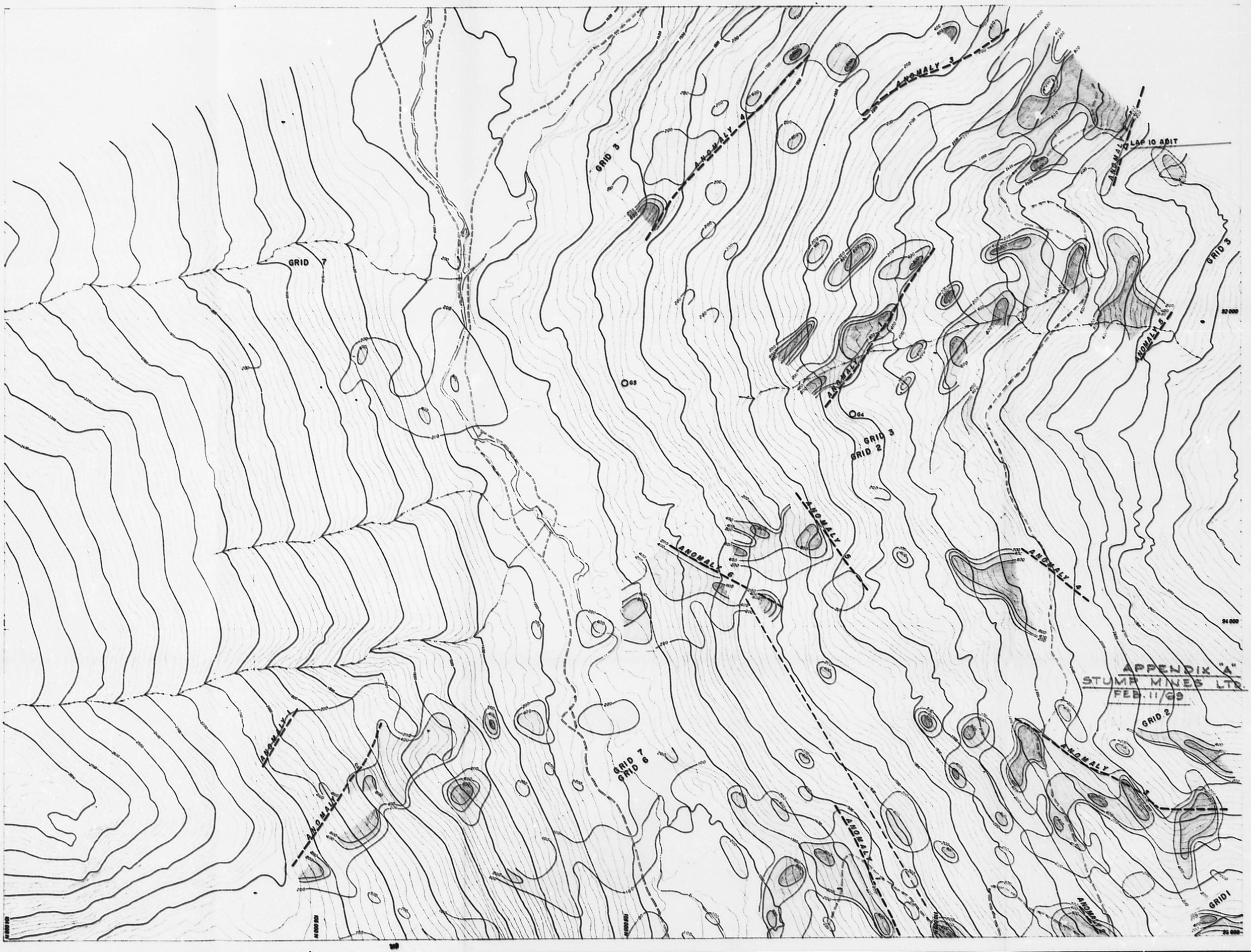
STUMP MINES - SILVER KEY MINES
KETZA RIVER - Y.T.

Scale 1:500

LEGEND
Hot Acid Extraction
50 - 100 ppm
100 - 200 ppm
200 + ppm
Possible vein
800 + P.P.M.

C	F	K
B	G	J
A	H	I

ROADS & TRAILS
TRENCHES
CUT LINES
BUILDINGS
CONTROL MONUMENTS
HYDROGRAPH
GRID RANGE PS
ADIT PORTAL



PRODUCED BY
NORTHWEST SURVEY CORP LTD
THROUGH PHOTOGRAMMETRIC METHODS
FROM AERIAL PHOTOGRAPHY AUGUST 1968

STUMP MINES - SILVER KEY MINES
KETZA RIVER - Y.T.

Scale 1:200

LEGEND

Grids 2, 3, 7 Hot Acid Extraction
200-400 ppm
400-800 ppm
800 + ppm

Grids 1 & 6
100 - 200 ppm
200 - 400 ppm
400 + ppm

Possible vein

C	F	K
B	G	J
A	H	I

ROADS & TRAILS
TREELINES
CUT LINES
BUILDINGS
CONTROL MONUMENTS
HYDROGRAPHY
GRID TARGETS
ADIT PORTAL

Leon La Prairie, P.Eng., has reported that approximately 700 feet of underground adit development has been completed to date on the 150 foot level of the A-1 zone of Stump Mines Ltd. The property is located in the Ross River area of the Yukon.

The underground work so far consists of 420 feet of X-cut development and close to 280 feet of drifting along the A-1 zone footwall contact.

The X-cut initially intersected mineralization 150 feet south of the previously drilled sector of the A-1 zone. Since then, the adit development has advanced some 280 feet along the hangwall structure which is continuously mineralized. From the X-cut intersection to the 25 foot point, a massive galena vein varies from 4 inches to 27 inches, from the 25 foot point to 120 foot point the massive galena decreases to about 4 inches, from 120 foot point to the present drift face the vein is reported to have increased to 24 inches and greater in width and appear [illegible] than the surface zone w[illegible] approximately at the [illegible] foot point in the underground drifting.

Some 200 samples have been taken to date and [illegible] in Whitehorse. Preliminary assays received to [illegible] that, from footage [illegible] to the present drift face with [illegible] similar results to the previous surface sampling. Some smaller sectors of the first 120 feet might also be of similar grade and width to the surface zone.

P.B.

Stump

Approximately 700 feet of underground adit development has been completed on the A-1 zone of Stump Mines Ltd.'s silver prospect in the Ross River area of the Yukon, reports consulting engineer Leon La Prairie.

The surface zone assays 22.2 per cent lead and 24.9 oz. silver for a length of 810 feet over an average width of four feet. The vertical projection of the surface zone would be approximately at the 150-foot point in the underground drifting.

Daily News June 4/68 P.7.

June 20/68 N. MINER P.3

Stum[illegible] waits As[illegible]

St[illegible] least 1,300 [illegible]ent at its si[illegible]at of Silver [illegible] River area o[illegible]mith, president in the [illegible]

To d[illegible] over 700 [illegible]ing and dri[illegible] have b[illegible] Assays are [illegible]cted shortly.

At Dec. 31, 1967, current assets were $32,416, including $28,730 cash. Current liabilities were $7,023. Of an authorized capital of 5,000,000 shares, 1,435,005 were issued. Subsequently, 600,000 shares were taken down to net $260,000.

N. MINER Aug. 1/68 P.3

Stump Mines Starts Bulk Sample Test Continues Program

Stump Mines is carrying out a bulk sampling program on the "A" zone at its Ketza River area property in the Yukon. The samples will provide material for metallurgical research and mill tests, L. La Prairie, managing director, advises.

To date, the "A" zone mineralization has been opened by drifting along a continuous length of over 770 ft. (Including 470 ft. of crosscutting, underground work totals 1,240 ft.)

Of the 770 ft. of mineralization, three sections are expected to be minable. The most southerly of these averages 22.2 ozs. silver per ton and 12.8% lead for a length of 51 ft., over a 4-ft. width. The second section averages 13.7 ozs. silver and 10.6% lead for a length of 107 ft., again averaging 4.0 ft. in width. Samples from the most northerly section, 70 ft. long and over an average width of 8.0 ft., are out for assay. This section is described as the best mineralized section of the three.

Continue Drifting

Drifting to the north is continuing, in conjunction with the bulk sampling program.

The underground program is to be extended immediately to include opening three other zones. These will be bulk sampled as part of a property evaluation study. They are: the F-2 zone, exposed on surface for a length of 900 ft.; the F-3 zone, exposed on surface for a length of 500 ft.; and the Lap 10 zone, exposed over a length of 410 ft. All three zones returned values in silver and lead over average widths ranging from 3.5-12 ft.

Additional zones have been indicated by geochemical surveying and surface stripping is to be undertaken as soon as assay results have been completed.

N. MINER Aug 24/68 P.16

Estimate Tonnage At Stump Mines

Stump Mines has [illegible] approximately 35,000 tons in underground development of the A zone on the Ketza River area property in the Yukon. Average grade is [illegible] and 10% lead over an average width of 2.4 ft. for a length of [illegible] L. La Prairie, managing director, [illegible]

Broken down the [illegible] intervals: 18.2 ozs. silver over 2.4 ft. for 44 ft.; 19.5 ozs. silver [illegible] 15.7 ozs. silver [illegible] and 22.4 ozs. silver [illegible] for 16 ft.

A r[illegible] from the 150-ft. adit [illegible] for a bulk sampl[illegible] says Mr. LaPrairie. The heading had been advanced [illegible] ft. at [illegible] report. The A zone is to be test[illegible] by drilling to probe the 300 [illegible] ft. horizons.

Stump has also started underground development of the Lap 10 and F-2 zones. Adit drives are expected to cut the mineralized zones within the first 150 ft.

018890

[redacted]

In Silver Values

An average grade of 20.6 ozs. silver per ton over a width of 4.8 ft. is indicated by chip samples covering the first 67 ft. of a raise being driven by Stump Mines on the A-1 zone at its Ketza River area property in the Yukon.

The raise is being driven from the adit level to surface (a distance of about 150 ft.) to provide a bulk sample for metallurgical purposes. It will also serve to more completely establish tonnage and grade estimates, L. F. La Prairie, managing director, advises.

Stripping and sampling are under way on a new vein, Key 18-B, to the northeast of A-1 zone, from which a grab sample returned an assay of 196 ozs. silver per ton. It has been exposed for a strike distance of 80 ft. and has a width of 12 ft., including three feet described as massive galena (lead) with tetrahedrite. N MINER

SEPT. 12/68 P. 29

Stump Mines Ltd. Western Mines

Leon La Prairie, managing director of **Stump Mines Ltd.**, states that underground development of the 'A' Zone has outlined in the order of 35,000 tons of silver-lead ore that will average 19.42 oz. silver and 10% lead over an average width of 2.4 feet for a total distance of 506 feet. The 506 feet consist of four assayed sections of silver as follows:

44 feet by 2.4 feet assayed 18.2 oz. silver,
376 feet by 2.3 feet assayed 19.5 oz. silver,
68 feet by 2.5 feet assayed 15.7 oz. silver,
18 feet by 2.8 feet assayed 22.4 oz. silver.

Sept. 68.

Currently a raise is being driven from the 150-foot level to the surface on the 'A' zone, for a bulk sample to be mill-tested. The 'A' zone is to be tested to an additional depth by probing the 300-foot and 500-foot horizons by diamond drilling.

In addition to the development of the 'A' zone, Stump Mines has started exploration of the Lap 10 and F-2 zones by adit development. Mineralization in both these zones is expected to be intersected within the first 150 feet of adit advancement.

P. 69

P. 6 N. MINER JUNE 27TH, 1968

Stump Mines Opens Continuous Values

An adit, advancing toward the north along the 'A' zone, has opened a continuous length of 491 ft. of silver-lead mineralization on Stump Mines' property in the Ketza River area, Yukon.

The most recent length of 192 ft. for which assays are available averages 15.3 ozs. silver per ton and 10.3% lead over a width of 4.0 ft.

Average grade of the drive to date has been calculated in five contiguous sections according to grade, commencing at the crosscut and extending northward. These are: 43 ft. grading 9.7 ozs. silver per ton and 9.6% lead; 83 ft. grading 4.5 ozs. silver and 2.5% lead; 51 ft. grading 22.2 ozs. silver and 12.8% lead; 31 ft. of 10.1 ozs. silver and 5.9% lead; and 109 ft. grading 13.7 ozs. silver per ton and 10.6% lead. All drift lengths are calculated over an average width of 4.0 ft.

Systematic sampling has been completed to the present face, covering the next 174 ft. (or to a distance of 491 ft. from the crosscut), but from which assays have not yet been completed.

Current drift face is 150 ft. below the south end of No. 2 shoot on surface. There is a length of some 353 ft. of indicated mineralization in this shoot to be explored by the current underground program, L. La Prairie, managing director, advises. On surface, No. 2 shoot showed a total length of 519 ft. grading 25.6 ozs. silver per ton and 23.8% lead over an average width of 4.0 ft.

In addition, Stump is continuing a program of field mapping, surface sampling and geochemical surveying on the property. The company is well financed, with approximately $450,000 in the treasury.

018890

[redacted]

.ock of 226 unpatented claims or approximately 16 square miles of property near the headwaters of the Ketza River, Yukon Territory. An access road 4 miles long connects with the main Watson Lake-Ross River highway.

Silver-lead mineralization occurs as galena veins cutting a variety of sedimentary rocks. Over 30 separate silver-lead veins have been found throughout the Silver Key and Stump claims and many more are indicated by mineralized float in the road cuts. The 'A' zone, has been explored by bulldozer, trenching and diamond drilling. Trenching has indicated an 810-ft. length of mineralization grading 24.9 ozs. silver per ton and 22.2% lead over a 4.0-ft. width. Diamond drilling has confirmed continuity to at least 100 ft. below surface.

Stump Mines has been granted exclusive explorational rights to the Silver Key claims to June 15th. During this period, Stump has to spend a minimum of $150,000, which will be spent in developing the 'A' zone. An adit portal is now being collared for underground development of the 'A' zone, 150 ft. below the trenched area. Stump has over $275,000 in the treasury with options outstanding that would net an additional $280,000. N. MINER MARCH 28/68

Start Underground

An underground exploration program is under way on the 'A' zone of Stump Mines on its Ketza River area property in the Yukon. An adit is being collared, to be advanced to cut the zone about 150 ft. below surface.

Purpose of the program is to confirm, if possible, previously indicated reserves and outline sufficient tonnage to justify production at a minimum rate of 200 tons per day. Surface work and limited drilling indicated a potential of 400 tons per vertical foot grading 24.9 ozs. silver per ton and 22.2% lead.

An agreement has been arranged between Stump Mines and Silver Key Mines under which Stump has the exclusive right to exploration of Silver Key's claims to June 15, 1968, during which Stump is to spend a minimum of $150,000. An expenditure of another $100,000 will extend the agreement to Nov. 15, 1968, and a further $300,000 to Nov. 15, 1969. At any time during the exploration program, Stump may elect to bring the Stump-Silver Key properties to production at not less than 200 tons daily. When brought to production, Silver Key will hold a 30% interest in Silver Key and Stump claims and Stump will have a 70% interest. Silver Key will be repaid from production on a pro rata basis for its expenditures on exploration and development, a total of $540,000, and thereafter will receive 30% of net profits.

Options on 600,000 Stump shares have been exercised to place an additional $260,000 in the treasury. These options were on three blocks of 200,000 shares each at 50¢, 60¢ and 70¢ per share, respectively, exercised by J. L. Goad & Co.

Stump Mines Gets Fine Indications In First Drifting

N MINER June 6/68 P.13

Although most assay results are still awaited, Stump Mines in initial underground drifting appears to be confirming the high grade tenor of the silver-lead zone originally opened on surface on its Ketza River area property in the Yukon.

Based on a few assays, it seems that the last 130 ft. of drifting to the present face will have similar results to the previous surface sampling, Managing Director L. La Prairie, advises. Smaller sections of the first 120 ft. of drifting may also be of similar grade and width to the surface zone. This latter is south of the originally tested section.

In the original surface work, the 'A-1' zone was trenched for a length of 810 ft. to show an average grade of 24.9 ozs. silver and 22.2% lead over average width of 4.0 ft. Based on this work and limited diamond drilling, potential was placed at 400 tons per vertical foot. Object of the present program is to outline sufficient tonnage to justify production at a minimum rate of 200 tons per day.

The underground work is by means of an adit which has been driven some 420 ft. to intersect the 'A-1' zone.

Describing the work to date, Mr. La Prairie says the adit crosscut initially intersected mineralization in the zone about 150 ft. south of the previously drilled section. Drifting along the hangingwall structure has shown continuous mineralization. For the first 25 ft. of drifting, a massive galena (lead) vein varies from four inches to 27 ins. in width. For the next 95 ft. (to 120 ft. from the crosscut), the massive galena

See STUMP ...

Stump Mines

(Continued from Page Thirteen)

vein decreases to about four inches in width. However, for the next 160 ft. to the present face (from the 120-ft. point), the vein has increased to 24 ins. and greater in width, and appears better than the surface mineralization.

Mr. La Prairie points out that the vertical projection of the known surface zone would be approximately at the 150-ft. point in the underground drift. This means that most of the known length on surface still lies ahead of the present drift face.

Objective is to complete about 1,400 ft. of total underground work by the end of this month. The adit elevation is about 150 ft. below the surface.

Drive Opens Zone At Stump Mines

P.13

Drifting has opened a length of 91 ft. of mineralized vein material on the Stump Mines property in the Ketza River area, Yukon.

The vein was reached through an adit, driven 416 ft. from the portal, at the 150-ft. horizon. The heading, advancing to the north, has another 60 ft. to go to reach the southern end of the previously indicated 'A' zone, where surface trenching and drilling indicated a length of 810 ft. grading 22.2% lead and 24.9 ozs. silver per ton over an average width of four feet.

The first 91-ft. length of vein shows mineralization extending across widths ranging from 8-27 ins., L. La Prairie, managing director, states. Sampling is to be carried out over the adjacent footwall and hanging wall as well as across the vein.

The project is planned to complete 1,400 ft. of underground work by June 30, which will probe the length of the known zone at the 150-ft. horizon. Stump Mines has approximately $400,000, sufficient for the present program.

N. MINER MAY 16/68

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[redacted]

Plan January Start Stump Mines Adit

The program of underground development planned for the Ketza River area property of Stump Mines in the Yukon Territory is expected to get under way in the latter part of January, L. La Prairie, managing director, advises.

Financing has been arranged to the extent of $150,000 and will be submitted for shareholders' approval.

In preparation for driving an adit to the projected location of the 'A' zone, a work yard, portal site and development rock disposal and stockpile areas have been constructed.

Originally expected to require 450 ft. of crosscutting, it is possible that the zone will be reached by 350 ft. of driving as some 100 ft. has been eliminated by rock excavation at the portal. A 40-ft. rock face has been developed for collaring the adit.

Stump Mines 'A' zone has an indicated potential of 400 tons per vertical foot averaging 24.9 ozs. silver per ton and 22.2% lead.

P.13. N. Miner Nov. 23/67

Stump Mines Can. Mining Journal

reported portal preparation for an underground drive at its property 35 miles southeast of Ross River, Yukon. The first phase of the underground program, estimated to cost $150,000, will test the zone 150 ft below surface. Exploration work to date included: surface trenching and sampling on the A zone over a length of 810 ft and a width of 4 ft which revealed an average grade of 24.9 oz silver and 22.2% lead. Five diamond drill holes tested the zone over a length of 600 ft and at about 90 ft of depth. Hole 1 was not completed owing to caving. Hole 2 cut the zone at 134 ft and showed a true width of 12 ft. Some samples assayed 30.2 oz silver and 47.6% lead but an average was not calculated owing to poor core recovery. Hole 3 cut the zone at 125.5 ft, again with poor core recovery. At 128 ft a 3.7 ft section assayed 26.0 oz silver and 23.2% lead. Holes 4 and 5 intersected the zone and sections have been sent for assay.

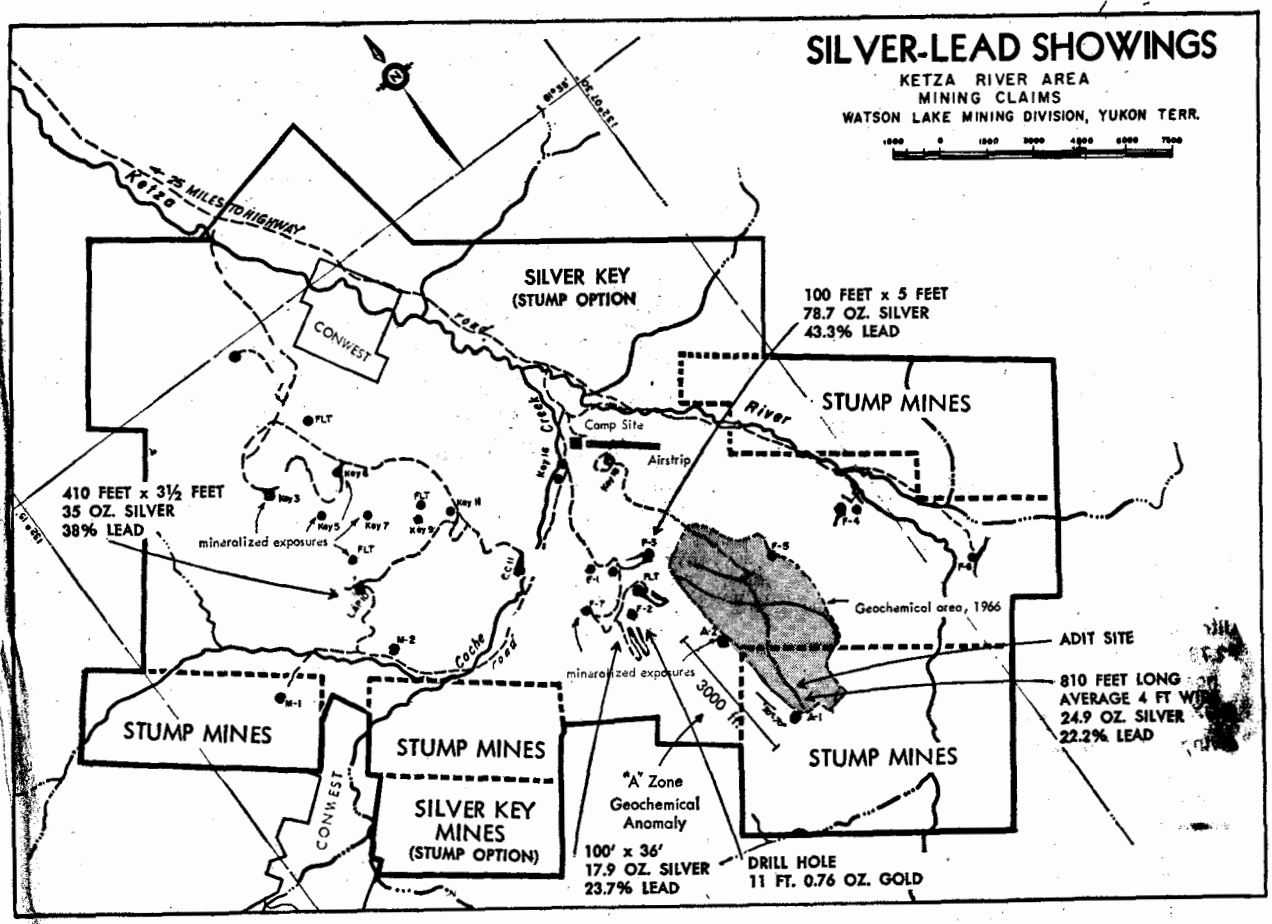
Dec. 1/67 P.14

For informational Purposes:

N. Miner Nov 23/67

STUMP MINES HOLDINGS and SILVER KEY MINES OPTIONS

P. 5



Averages taken from report by Archer and Cathro, Consulting Geologists.

STUMP MINES LTD.

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We act as principals in the underwriting of shares of Stump Mines Ltd. a speculative secu[redacted]

J. L. GOAD & CO. LTD.

7 King St. East, Toronto, Ontario

This announcement is not an offer to sell or solicitation of an offer to buy these securities. The offering is made by prospectus only in the Province of Ontario and only from such of the undersigned and other dealers as may lawfully offer these securities in such province.

Prepare For Adit At Stump Mines

N. MINER OCT. 12/67

Stump Mines has decided to prepare a portal site for underground development of the 'A' zone on its Ketza River area lead-silver property in the Yukon.

The portal site is 150 ft. lower in elevation than the surface expression of the 'A' zone. It will require about 250 ft. of crosscutting to reach the zone at this horizon, after which it is planned to follow the zone both north and south, L. La Prairie, managing director, stated.

Drilling is continuing of the 4th hole at the property. The first hole was abandoned short of the zone, while assays are awaited from holes 2 and 3. A fifth hole is to be drilled to complete this phase of the program, testing the zone at 200-ft. intervals. Intersections from holes 2 and 3 are out for assay.

Stump Mines this week is drilling the third hole on its Ketza River area property in the Yukon Territory. Drilling is to establish atttitude of the 'A' zone traced by surface trenching over a length of 810 ft. grading 24.9 ozs. silver per ton and 22.2% lead over an average width of four feet.

The first hole, put down about midway along the length of the zone and collared 250 ft. west of it, was abandoned at a depth of 222 ft. due to loss of core. It was intended to carry the hole to at least 240 ft. to cut the projected downward extension of the zone. Another hole is planned for this section, using different equipment.

Hole No. 3, in the same section as No. 1 but collared 120 ft. west of the zone, is drilling this week. It is designed to cut the zone at a vertical depth of 100 ft.

A section of 32 ft., from 132-164 ft was cut in hole No. 2, 200 ft. north of No. 1 and 120 ft. west of the zone, from which assays are expected within 1 days, L. La Prairie, managing director states.

Stump Mines

FIN EXAMINER OCT 21 1967 P. 6

Leon LaPrairie, P.Eng., managing director of Stump Mines Ltd., Toronto has reported that diamond drill holes No. 2, 3, 4, and 5 have been laid out to probe the "A" zone at a vertical distance of 100 feet below the surface showing at the company's property 35 miles southeast of Ross River, the Yukon.

The holes have been spaced at an interval of 200 feet and on completion of the program, a strike length of 600 feet will have been tested.

The detail surface sampling yielded 24.9 oz. silver, 22.2 percent lead over a 4 woot width and a 810 foot length, according to Stump Mines.

Zone intersections in holes No. 2 and 3 are presently being assayed and results are expected shortly.

Upon completion of the drilling of hole No. 4, hole No. 5 will be drilled.

On completion of hole No. 5, the drill program will be ended. It has been decided to prepare a portal site for underground development of the zone. The portal site is to be loiated at a vertical depth of 150 feet below the surface zone.

About 250 feet of cross cutting will be required to intersect the zone by adit developmen. The zone will then be developed by drifting along strikes to the north and south.

MINING REPORTS

Whse. Star P.9 OCT. 16/67

STUMP MINES LTD.

Leon F. LaPrairie, P.Eng., managing director of Stump Mines Ltd., has reported that diamond drill holes No. 2, 3, 4, and 5 have been laid out to probe the "A" zone at a vertical distance of 100 feet below the surface showing. The holes have been spaced at an interval of 200 feet and on completion of the programme, a strike length of 600 feet will have been tested.

The programme is on the property located 35 miles southeast of Ross River, Yukon, where detail surface sampling yielded 24.9 oz. silver, 22.2% lead over a 4 foot width with an 810 foot length.

Zone intersections in holes No. 2 and 3 are presently being assayed and results are expected shortly.

Upon completion of the drilling of hole No. 4, hole No. 5 will be drilled.

On completion of hole No. 5, the drill programme will be ended. It has been decided to prepare a portal site for underground development of the zone. The portal site is to be located at a vertical depth of 150 feet below the surface zone. About 250 feet of cross cutting will be required to intersect the zone by adit development. The zone will then be developed by drifting along strike to the north and south.

MINING REPORTS

Whse Star OCT 30 67 P. 9

Leon La Prairie, managing director of Stump Mines Ltd., has reported portal preparation for an underground drive at the property, located 35 miles southeast of Ross River, Yukon.

The first phase of the underground programme is estimated to cost $150,000, and will test the zone 150 feet below surface. Exploration work to date has been summarized by Mr. La Prairie as follows: The surface trenching and sampling on the A zone tested the vein over a length of 810 feet and a width of 4 feet and revealed an average grade of 24.9 oz. silver, 22.2% lead.

Five diamond drill holes have tested the zone over a length of 600 feet and at about 90 feet of depth. The No. 1 hole, as previously reported was not completed owing to caving.

No. 2 hole cut the zone between 134 and 148 feet for a true width of 12 feet and with 40 % [illegible] in the zone. Some samples from the zone assayed 30.2 oz. silver, 47.6% lead but an average for the zone was not calculated owing to the poor core recovery.

No. 3 hole cut the zone between 125.5 and 128 feet, again with poor core recovery. The section from 128 to 131.7 feet assayed [illegible].0 oz. silver, and 23.2% lead.

Holes No. 4 and 5 intersected the zone and sections are in for assay.

The company has spent approximately $70,000 to date on the property.

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Stump Mines Assays

P.12

Assays are expected shortly in connection with a program of mapping and channel sampling at 40 locations on the "A" zone of Stump Mines' property in the Ketza River area of the Yukon. From the mapping completed and visual examination of the mineralization, it appears that a length of 750-800 ft. over a width of 4.0-5.5 ft. will be of prime ore grade.

Systematic trenching of the zone has established continuous mineralization over a length of 950 ft. One channel sample across a width of 5.5 ft. graded 36.6 ozs. silver and 27% lead, while an earlier sample across a 4-ft. width graded 32.6 ozs. silver and 27% lead.

Crew and equipment are now tracing and opening the mineralization zone as outlined by a geochemical anomaly on Silver Key Mines property which adjoins the Stump Mines property to the north. The program is being carried out under a joint arrangement between the companies, advises L. F. LaPrairie, managing director of Stump Mines.

Stump Mines Opens Silver-Lead Zone

Aug 3/67 P.13

Systematic surface channel sampling on the 'A' zone of Stump Mines property in the Ketza River area, Yukon, has indicated a length of 810 ft. grading 24.9 ozs. silver per ton and 22% lead over an average width of four ft. Calculated over a 5-ft. width, average grade of the 810-ft. length is 21.2 ozs. silver per ton and 18.4% lead, L. LaPrairie, managing director, advises.

Based on an estimated 90% recovery, $2 per oz for silver and 10¢ per lb. for lead, recoverable value is over $84 per ton over the 4-ft. width, he adds. With a continuous length of 810 ft. shown on surface, it is reasonable to expect continuity to 400 ft. below surface, A. Archer, consulting engineer, suggests. Geochemical work indicates an additional similar length to this structure to the north.

With ~~over 25~~ known silver-lead exposures in the area covered by Stump Mines and the adjoining Silver Key Mines, it is anticipated by management that other vein systems with similar tonnage potential will be opened, a company statement says.

The Ketza River area property is about 35 miles southeast of Ross River, Yukon.

N. Miner P. 18

Senior Financing Sought By Stump For Yukon Bet

Can you tell me anything about Stump Mines? I've noticed a definite price increase in the last week or so (40¢ to over 50¢) and would like to know what is causing this. What are their summer plans?

M. C. A., Vancouver, B.C.

There does not appear to be any material reason for the price increase that you point out. Stump Mines holds a silver-base metals prospect in the Ketza River area, southeast of Ross River in the Yukon, which it was developing last year, under a joint exploration program with Silver Key Mines. The latter holds an adjoining property and exploration was carried out on both groups.

Work included diamond drilling and stripping over mineralized veins, resulting in recommendations for underground exploration, by A. Archer, consulting geologist.

The two companies have been negotiating for senior financing for the proposed $870,000 program, but no agreement has been reached, L. F. La Prairie, Stump's managing director, states. The proposed program is to include an adit to explore the A zone which straddles the border of the two properties.

The zone is 3,000 ft. long and bulldozer stripping on the Stump side uncovered a mineralized vein structure for a strike length of 1,400 ft. Channel samples over 600 ft. returned values averaging 32.6 ozs. silver, 0.005 oz. gold per ton and 27% lead over a width of 4 ft.

• • • •

Aug. 1967 N. Miner

Extends 'A' Zone At Stump Mines

Stump Mines continues to open the 'A' zone on its property in the Ketza area of the Yukon.

The zone has been systematically trenched and found to be continuously mineralized for 950 ft., L. LaPrairie, managing director, advises. Channel sampling results from a trench at the northernmost end of this length gave values of 36.6 ozs. silver per ton and 27% lead over a width of 5.5 feet. Previous results from the southernmost 600 ft. of this length averaged 32.6 ozs. silver per ton and 27% lead over a 4-ft. width.

At distances 400 ft. north and 500 ft. south of the 950-ft. length, deep trenching has found mineralized rubble without reaching bedrock.

Trenching is being carried out at the north end of the geochemical anomaly overlying the 'A' zone. This work is on the property of Silver Key Mines, and is being conducted under a joint agreement with Stump Mines.

The zone dips about 60° to the west, and on completion of the current trenching and sampling program, will be further explored by either diamond drilling or driving an adit.

Stump Plans Drill

P.10

Drilling is scheduled to get under way within a week or 10 days on the Ketza River area property of Stump Mines in the Yukon Territory. A contract has been awarded to A. Arsenault Diamond Drilling Ltd.

The program will consist of two or three holes to intersect the downward extension of the 'A' zone at depths of 200 and 400 ft., to establish true dip prior to underground exploration, L. La Prairie, managing director, states. Systematic surface sampling of the 'A' zone indicated an average grade of 24.9 ozs. silver per ton and 22.2% lead over an average width of four feet and a length of 810 ft. N. MINER Sept. 7/67

018890

area of [illegible] mineralization by 485 feet.

This [illegible] of the mineralization at 1,0[illegible] feet, with work continuing.

The initial 600 feet of mineralization uncovered in the zone gave assays over an average width of four feet of 32.6 ounces silver and 27 percent [illegible]

Sampling [illegible] the 800-foot [illegible] of 61.65 ounces [illegible] 22 percent lead over [illegible] two feet in solid galena.

Mineralization in the [illegible] wall and footwall [illegible] additional trenching [illegible] being sampled.

At the 1,085 foot mark the mineralized zone was reported to be eight feet wide. At the same point, it was noted that the zone appeared to split into a second vein. Fin. Record

STUMP

Recent stripping on the Ke[illegible] River pr[illegible] Stump Mi[illegible] Ltd., 35 m[illegible] st of Ross River, Y[illegible] the

Page [illegible] 67

[illegible] oz. silver, and 22% lead [illegible] 4.0 foot [illegible]

[illegible] P.3

[illegible] Ltd. [illegible]

[illegible] system[illegible] channel [illegible] led on [illegible] A zone of the [illegible]ny's K[illegible] [illegible]ed 35 [illegible] of R[illegible] River, Y[illegible] sults of the sampling have been reported by Allan Archer, P. Eng., company consultant, as

The net value of the ore, assuming a 90% mill recovery, silver at $2.00 per ounce, lead at 10¢ per pound, is a little over $84.00 per ton for a 4.0 foot mining width.

With the 810 feet of continuous ore on surface, it is rea-

[illegible] expect continuity to [illegible] surface. Further- [illegible]cal indications [illegible] similar [illegible] found on [illegible] vein ex- [illegible] with [illegible] umpt- [illegible] sin- [illegible] a valu[illegible] consultant stat[illegible]

With over 25 [illegible] lead exposures in [illegible] vered by the Stump [illegible] Silver Key Mines [illegible] probable that [illegible] within with sim[illegible] potential will be [illegible]. The opinion of the cons[illegible] and man[illegible]ment is th[illegible] least 1,000,000 tons and [illegible] much greater can be developed within the claim holdings.

MINING REPORTS

Whse Star Aug 17/67

P.19

STUMP MINES LTD.

Leon LaPrairie, managing director of Stump Mines Ltd., has reported that the A zone on the company's property, 35 miles southeast of Ross River, Yukon has been systematically trenched to establish continuous mineralization over a length of 950 feet. Additional trenching has established a total length between known mineralization on the Stump Mines S zone in the order of 1800 feet. A channel sample across 5 1/2 feet graded 36.6 oz. silver and 27% lead, an earlier sample across 4 feet yielded 32.6 oz. silver and 27% lead. The zone dips at about 60 degrees to the west and can be developed through an adit.

The zone has been mapped and channel sampled at 40 locations, with assays expected in a few days. From the mapping completed and visual examination of the mineralization, it appears that a length of 750 to 800 feet over a width of 4 to 5 1/2 feet will be of prime ore grade.

The program is continuing to trace and open the zone of mineralization onto the Silver Key Mines Ltd. property which adjoins the Stump Mines property to the north.

Mr. LaPrairie states that on completion of the trenching, mapping and sampling of the A zone, it will then be decided to either diamond drill or develop the zone by way of an adit.

Daily News

Stump

aug. 21/67

P.6

Leon LaPrairie, managing director of Stump Mines Ltd., reports that the A zone on the company's property, 35 miles southeast of Ross River, Yukon, has been trenched to establish continuous mineralization over a length of 950 feet.

Additional trenching has established a total length between known mineralization on the Stump Mines S zone of 1,800 feet. A channel sample across 5½ feet graded 36.6 oz. silver and 27 per cent lead, an earlier sample across four feet yielded 32.6 oz. silver and 27 per cent lead. The zone dips at about 60 degrees to the west and can be developed through an adit.

The zone has been mapped and channel sampled at 40 locations, with assays expected in a few days. From the mapping completed and visual examination of the mineralization, it appears that a length of 750 to 800 feet over a width of 4 to 5½ feet will be of prime ore grade.

The program is continuing to trace and open the zone of mineralization onto the Silver Key Mines Ltd. property which adjoins the Stump property to the north.

MINING REPORTS

Whse Star July 31/67

STUMP MINES LTD.

Stripping has extended the known mineralization by 485 feet to 1,085 at the Stump Mines Ltd. property on the Ketza River, 35 miles southeast of RossRiver, Yukon.

Leon LaPrairie, general manager, has reported that on July 24, the A zone was 1,085 feet long and work was continuing. The initial 600 feet of mineralization uncovered late last fall gave assays over an average width of four feet of 32.6 oz. silver per ton and 27% lead.

Recent samplings of the vein at 800 feet assayed 61.65 oz. silver and 50.02% lead over a width of two feet of solid galena vein. Mineralization of the the hanging wall and footwall require additional trenching prior to being sampled. At the 1,[illegible] section, the zone is [illegible] to be in the order of [illegible] feet wide and it appears that the zone here splits into a second vein.

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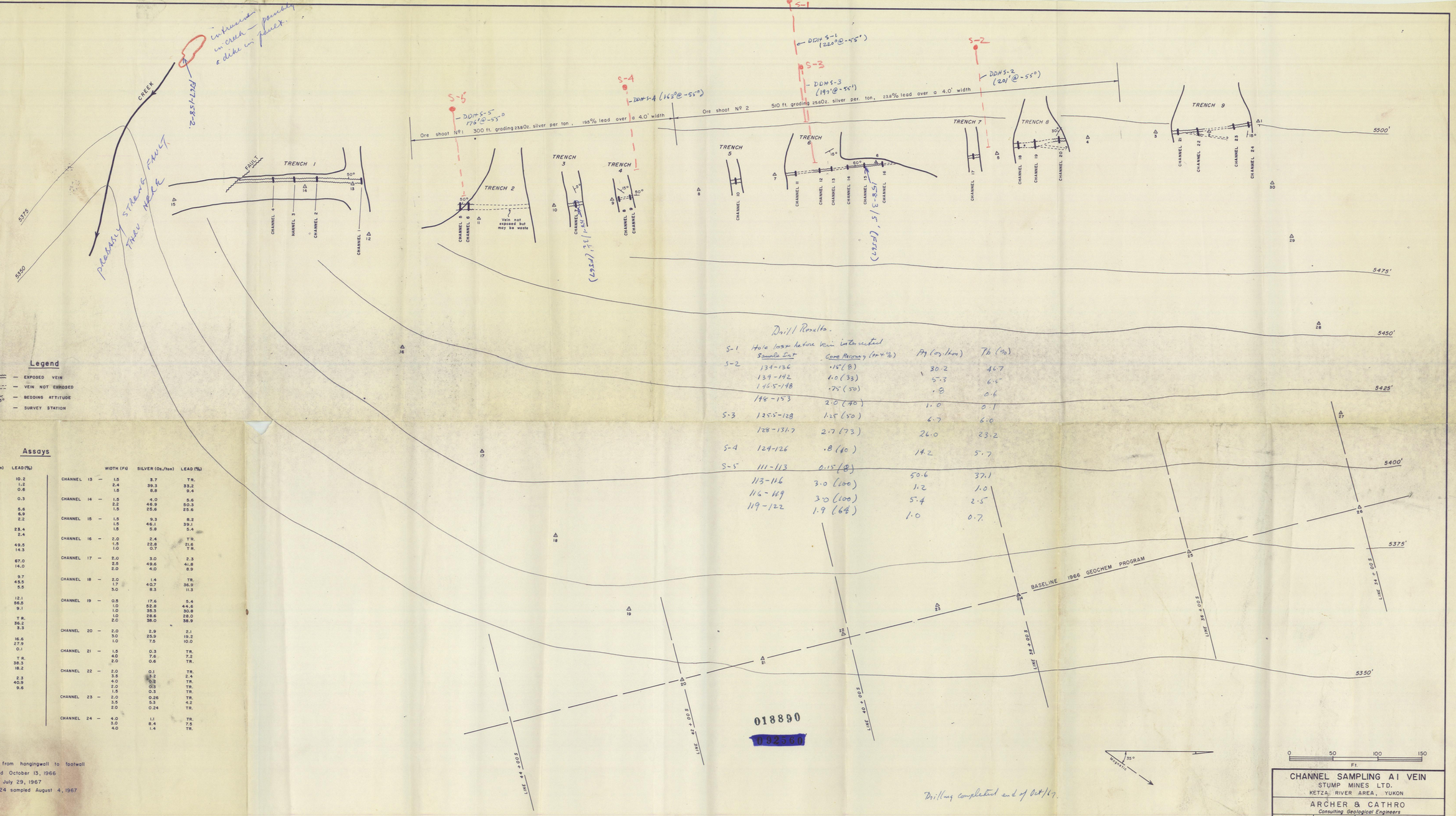
[redacted]



Legend

- EXPOSED VEIN
- VEIN NOT EXPOSED
- BEDDING ATTITUDE
- SURVEY STATION

Assays

	WIDTH (Ft.)	SILVER (Oz./ton)	LEAD (%)
CHANNEL 1 —	0.5	14.0	10.2
	3.0	1.4	1.2
	2.5	1.2	0.6
CHANNEL 2 —	2.0	0.4	0.3
CHANNEL 3 —	1.5	7.5	5.6
	1.0	5.8	6.9
	2.0	2.1	2.2
CHANNEL 4 —	1.0	34.6	23.4
	2.0	2.6	2.4
CHANNEL 5 —	2.0	56.3	49.5
	3.0	20.8	14.3
CHANNEL 6 —	2.0	102.5	67.0
	4.5	21.3	14.0
CHANNEL 7 —	1.0	9.7	9.7
	2.2	50.5	45.5
	1.0	5.4	5.5
CHANNEL 8 —	1.0	11.9	12.1
	0.6	55.8	56.5
	1.0	11.9	9.1
CHANNEL 9 —	1.5	0.5	T.R.
	0.5	31.4	36.2
	1.5	4.6	3.3
CHANNEL 10 —	1.5	16.9	16.6
	2.0	22.6	27.9
	1.0	1.8	0.1
CHANNEL 11 —	1.5	1.0	T.R.
	2.0	40.7	38.3
	1.5	13.5	18.2
CHANNEL 12 —	1.5	2.8	2.3
	2.4	44.6	40.9
	1.5	9.1	9.5

	WIDTH (Ft)	SILVER (Oz./ton)	LEAD (%)
CHANNEL 13 —	1.5	3.7	T.R.
	2.4	39.3	33.2
	1.5	8.8	9.4
CHANNEL 14 —	1.5	4.0	5.6
	2.2	46.9	50.3
	1.5	25.6	25.6
CHANNEL 15 —	1.5	9.3	8.2
	1.5	46.1	39.1
	1.5	5.9	5.4
CHANNEL 16 —	2.0	2.4	T.R.
	1.5	22.8	21.6
	1.0	0.7	T.R.
CHANNEL 17 —	2.0	3.0	2.3
	2.5	49.6	41.8
	2.0	4.0	8.9
CHANNEL 18 —	2.0	1.4	T.R.
	1.7	40.7	36.9
	3.0	8.3	11.3
CHANNEL 19 —	0.5	17.6	5.4
	1.0	52.8	44.6
	1.0	35.3	30.8
	1.0	28.6	28.0
	2.0	38.0	38.9
CHANNEL 20 —	2.0	2.9	2.1
	3.0	25.9	19.2
	1.0	7.5	10.0
CHANNEL 21 —	1.5	0.3	T.R.
	4.0	7.6	7.2
	2.0	0.6	T.R.
CHANNEL 22 —	2.0	0.1	T.R.
	3.5	3.2	2.4
	4.0	0.2	T.R.
	2.0	0.3	T.R.
	1.5	0.3	T.R.
CHANNEL 23 —	2.0	0.26	T.R.
	3.5	5.3	4.2
	2.0	0.24	T.R.
CHANNEL 24 —	4.0	1.1	T.R.
	3.0	8.4	7.5
	4.0	1.4	T.R.

NOTE — All sample directions from hangingwall to footwall
— Channels 1-6 sampled October 13, 1966
— Channel 19' sampled July 29, 1967
— Channels 7-18, 20-24 sampled August 4, 1967

Drill Results.

	Hole loss before vein intersected			
	Sample Int	Core Recovery (ft-%)	Ag (oz./ton)	Pb (%)
S-1	134-136	.15 (8)	30.2	46.7
S-2	139-142	1.0 (33)	5.3	6.5
	146.5-148	.75 (50)	.9	0.6
	148-153	2.0 (40)	1.0	0.1
S-3	125.5-128	1.25 (50)	6.7	6.0
	128-131.7	2.7 (73)	26.0	23.2
S-4	124-126	.8 (40)	14.2	5.7
S-5	111-113	0.15 (8)		
	113-116	3.0 (100)	50.6	37.1
	116-119	3.0 (100)	1.2	1.0
	119-122	1.9 (64)	5.4	2.5
			1.0	0.7

Drilling completed end of Oct/67.

SURVEY STATIONS LOCATED BY BRUNTON COMPASS & TAPE - ELEVATIONS CALCULATED ASSUMING STA. 1 AT 5500'

CHANNEL SAMPLING A1 VEIN

STUMP MINES LTD.

KETZA RIVER AREA, YUKON

ARCHER & CATHRO

Consulting Geological Engineers

DATE	8 Aug. 1967	
DRAWN		
SCALE	1" = 50'	DWG.