

6489

REPORT ON
GEOCHEMICAL AND GEOPHYSICAL SURVEYS
RED-CHRIS PROPERTY

EaIue Lake area, Liard Mining Division
Lat. 57°45'N, Long. 129°45'W
NTS 104/H/12W
British Columbia

CLAIMS: Red 4-34, SUS 79, 81, 83
OWNER: Silver Standard Mines Ltd., N.P.L.

CLAIMS: Chris 1-24, Money 1-30, 32, 34, 36, 38, 40-59, 61, 63
OWNER: Great Plains Development Co. of Canada Ltd.

CLAIMS: RAF 1-6, COUGAR 1-8 Fractions, SUS NORTH, SUS SOUTH,
SUS WEST, CHRIS NORTH, RED NORTH, RED SOUTH, FUN,
VIRGO, CAPRICORN, TAURUS, PISCES, CANCER, SAGITTARIUS,
LIBRA, GEMINI, SCORPIO, LEO, AQUARIUS, ARIES
OWNER: Texasgulf Canada Ltd.

OPERATOR: Texasgulf Inc.

REPORT BY: J.R. Forsythe

October, 1977

Vancouver, B.C.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO. _____

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INTRODUCTION:

This report summarizes exploration work completed by Texasgulf Inc. during 1977 on the RED-CHRIS porphyry copper prospect in the Ealue Lake area of Liard Mining Division, British Columbia.

Much of the work completed has been claimed for assessment work credit on applications dated July 8th, 1977 (M.R. E112045E), and August 4, 1977.

Although mineral showings have been known for many years in the Ealue Lake area, the current phase of activity began in 1969, when Great Plains Development Co. of Canada Ltd. located the CHRIS and MONEY claims. In that year, geological mapping and geochemical surveys were undertaken, and in the following season bulldozer trenching and two diamond drill holes totalling 1,015 feet were completed. A further eight diamond drill holes totalling 3,017 feet were put down in 1972.

The adjoining property to the east, comprising the RED and SUS claims was located in 1970 by Silver Standard Mines Ltd. In the following year, Silver Standard completed geological, geochemical and geophysical surveys, and excavated a total of 1,500 linear feet of bulldozer trenches. Some encouragement was obtained, but the property lay idle during 1972.

Ecstall Mining Limited, now Texasgulf Canada Ltd., became interested in the RED property as a result of a submittal by Silver Standard for examination by Ecstall's parent company, then known as Texas Gulf Inc. Early in 1973, agreement was reached with Silver Standard for Ecstall to explore the claims, and during that season, a programme of percussion drilling totalling 3,000 feet in 14 holes was completed.

Ecstall, encouraged by results from the percussion drilling in 1973, undertook an aggressive exploration programme in 1974. Work included diamond and percussion drilling, geological, geochemical and

geophysical surveys, line-cutting and a location line survey of the core claim area. As the programme was proceeding, agreement was reached with Great Plains to explore the CHRIS property, and subsequently, some work was also completed on this property.

Additional ground was acquired by Ecstall in 1974 by location of the RAF claims, and the COUGAR fractions were staked upon completion of the location line survey.

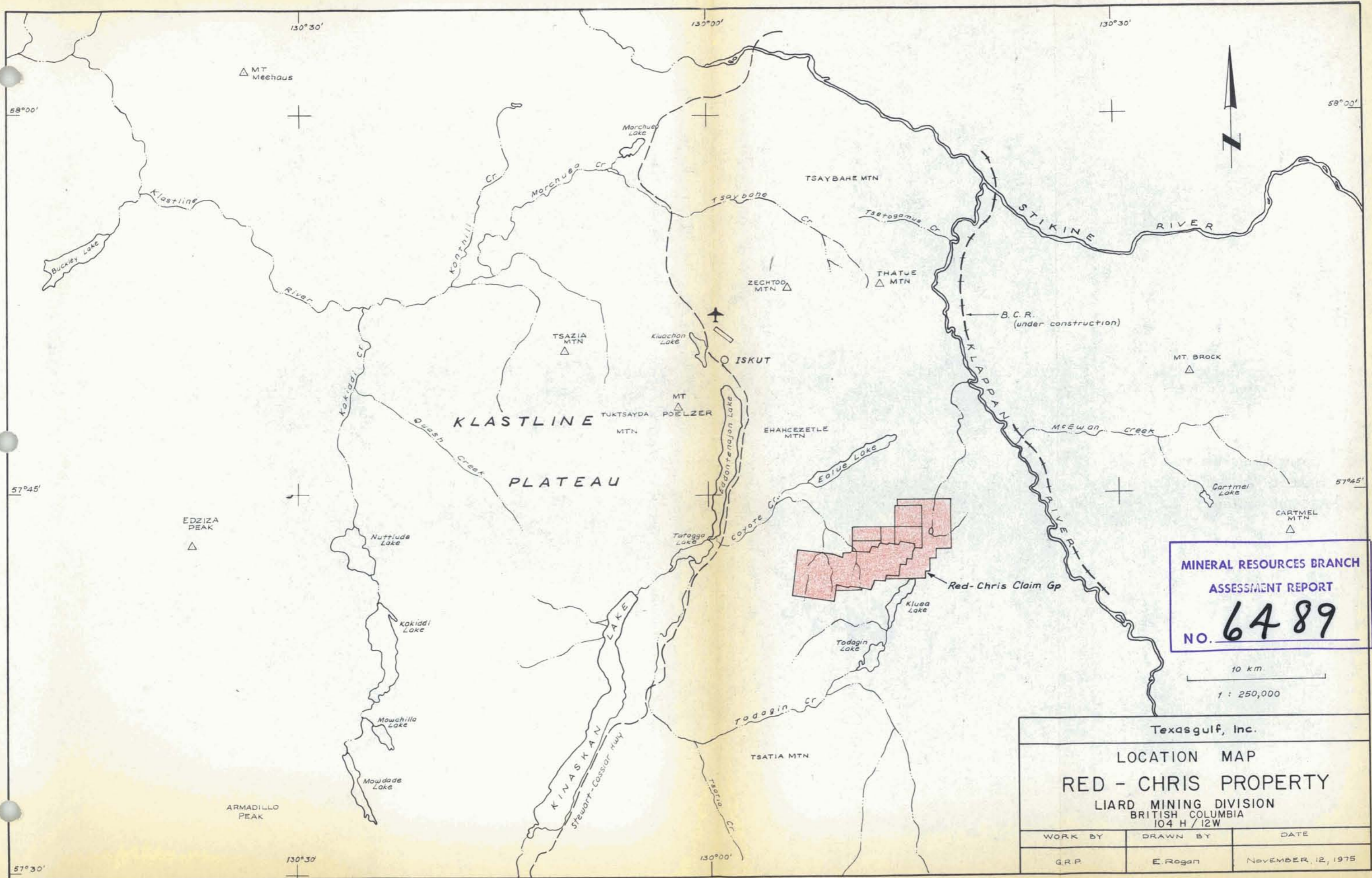
Further encouragement from results of the 1974 exploration programme led to continued investigations during 1975 and 1976. Diamond drilling formed the basis of these programmes but limited geologic mapping, surface sampling, line-cutting, trenching, and geophysical surveys were also completed. Some additional mineral claims were staked in both 1974 and 1976, and an extensive geochemical overburden sampling survey was conducted in 1976.

Upon completion of the 1976 exploration programme, two zones of potentially economic, porphyry copper-gold mineralization in quartz stockworks cutting Upper Triassic altered intrusive rocks, had been outlined by drilling at the Red-Chris property. A total of 40,303 feet of BQ core in 67 holes had been drilled by Texasgulf Inc. over the 1974-76 period. In addition, percussion drilling during the 1973-75 period amounted to 10,410 feet in 44 drill holes.

A much reduced exploration programme was continued at the RED-CHRIS property during 1977. Work performed included line-cutting, geochemical overburden sampling and a geophysical survey as summarized further in the report.

LOCATION, ACCESS AND TERRAIN:

The RED-CHRIS property is located on the plateau northwest of Kluea Lake, some twelve miles south of Iskut Village (see Location Map).



MINERAL RESOURCES BRANCH
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10 km
 1 : 250,000

Texasgulf, Inc.		
LOCATION MAP		
RED - CHRIS PROPERTY		
LIARD MINING DIVISION BRITISH COLUMBIA 104 H / 12W		
WORK BY	DRAWN BY	DATE
G.R.P.	E. Rogan	NOVEMBER, 12, 1975

Fig. 1

Access is by helicopter from Eddontenajon or via bulldozer trail proceeding southward from the B.C. Railway access road which follows Coyote Creek and the north side of Ealue Lake. This trail is, at present, suitable only for tracked vehicles.

The property covers a gently rolling upland surface, with elevations ranging from 4,000 to 5,000 feet. To the south, the ground dips steeply away to Kluea Lake. Several deeply incised, north flowing stream gullies cut the western portion of the property.

CLAIM STATUS:

The mineral claims comprising the RED-CHRIS property, and their registered owners, are listed on the title page of this report. These claims have been re-grouped in 1977. The new groupings are listed below and indicated on the accompanying sketch map (Fig. 2) to conform with information regarding location of claim posts in the field.

CLAIM GROUPS - 1977:

REGAN 77 GROUP:

Cougar 5 & 8 Fractions

Chris 1, 3, 11-14, 21-24

Money 1, 3, 5-8, 11-18, 22, 24, 26,
28, 42, 47, 48, 53, 55, 57

Total: 34 full size mineral claims
2 Fractions

CHRIS 77 GROUP:

Cougar 1, 4, & 7 Fractions

Fun (4 units)

Chris 5, 7-10, 15-20

Money 2, 4, 41, 43-46, 49-52

Total: 30 full size mineral claims and units
3 Fractions

MONEY 77 GROUP:

Cougar 3 & 6 Fractions

Chris 2

Chris North (4 units)

Money 9, 10, 19-21, 23, 25, 27, 29,

30, 32, 24, 26, 28, 40, 54, 56,

58, 59, 61, 63

Red 5-8, 31-34

Total: 34 full size mineral claims and units
2 Fractions

KLUEA GROUP:

Cougar 2 Fraction

Chris 4, 6

Red 22-30

Raf 1, 2

Leo (1 unit), Aquarius (5 units)

Scorpio (8 units), Aires (2 units)

SUS 83

Total: 30 full size mineral claims and units
1 Fraction

SUS 76 GROUP:

Red 10, 11, 18, 19

SUS 79

RAF 5, 6

SUS North (12 units), SUS South (12 units)

Virgo (3 units), Cancer (6 units)

Total: 40 full size mineral claims and units

ZODIAC GROUP:

Red 9, 20, 21

SUS 81

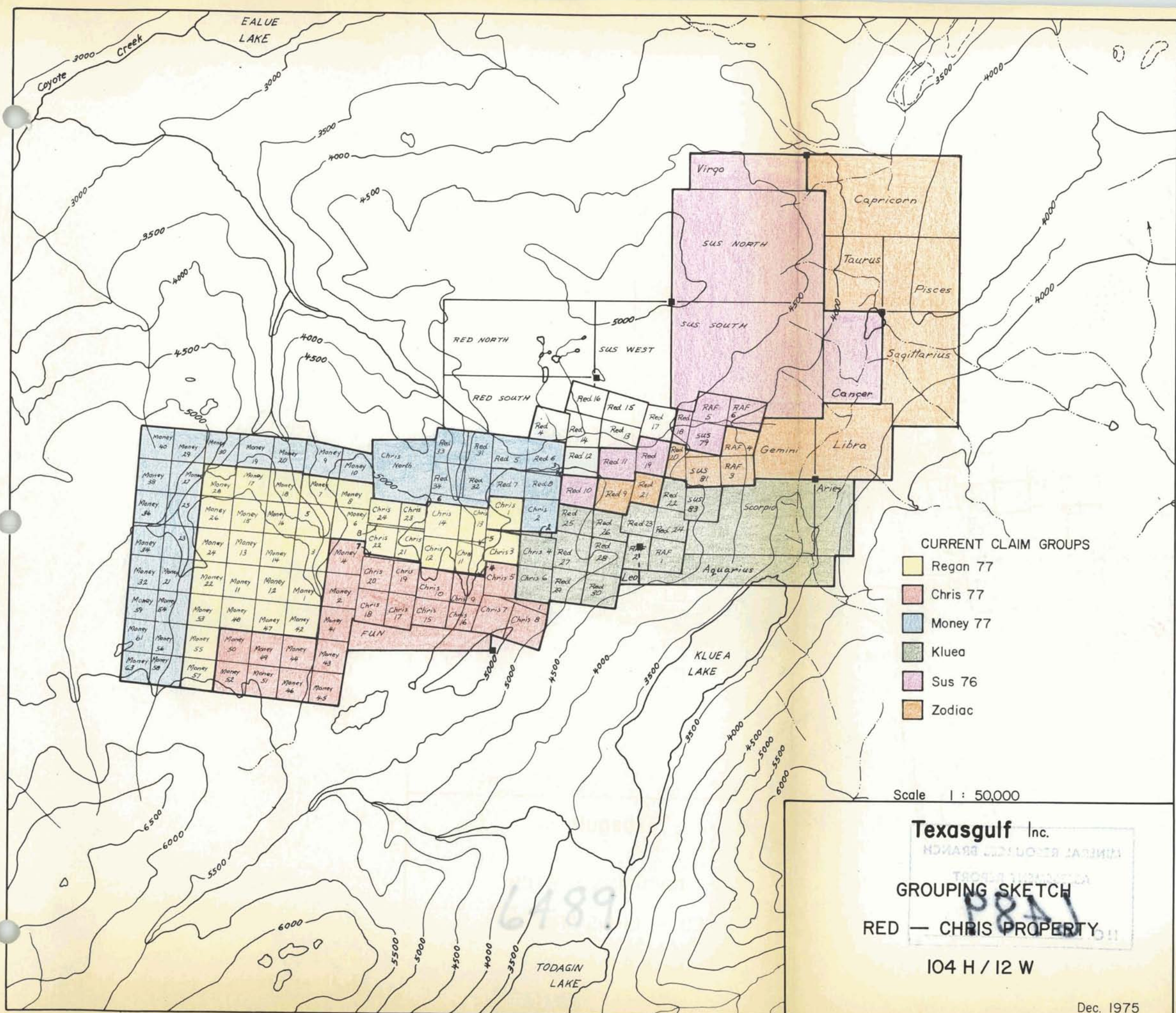
RAF 3, 4

Gemini (4 units), Libra (4 units), Sagittarius

(6 units), Pisces (4 units), Taurus (4 units),

Capricorn (12 units)

Total: 40 full size mineral claims and units



CURRENT CLAIM GROUPS

- Regan 77
- Chris 77
- Money 77
- Kluea
- Sus 76
- Zodiac

Scale 1 : 50,000

Texasgulf Inc.
 MINERAL RESOURCES BRANCH
 ASBESTOS MANAGEMENT
GROUPING SKETCH
 RED — CHRIS PROPERTY
 104 H / 12 W

Dec. 1975

Fig. 2

*UNGROUPED: SUS West (6 units)
 Red 4, 12-17
 Red South (8 units), Red North (8 units)
 Total: 32 full size mineral claims and units.

GEOLOGY:

At the RED-CHRIS Property, a thick pile of Mesozoic volcanic and volcanoclastic rocks equivalent to the Nicola - Takla - Stuhini volcanic assemblages, are intruded by the Red Stock, a pyritic intrusion of altered hornblende-plagioclase monzonite porphyry.

The Red Stock, which is the major intrusion in the area, is an elongate, irregular shaped pluton lying lengthwise in a major east-northeast cross structure. It is considered a subvolcanic, multiple intrusion of mainly monzonitic composition with two major rock phases recognized, and several subordinate, late stage intrusive dykes. The Main Phase comprises medium-grained, well-altered hornblende-plagioclase monzonite porphyry which is host to the hypogene copper sulphide mineralization.

Pyrite and chalcopyrite constitute the two most abundant primary sulphide minerals. Two related zones of potentially economic copper-gold mineralization have been outlined and explored by diamond drilling. Most of the better grade mineralization occurs in well developed quartz-vein stockworks which are best developed in highly fractured, Main Phase rocks. Fine-grained disseminations of chalcopyrite often occur in host rock adjacent to stockwork veins. Stockwork quartz veins are cut by later pyrite-chalcopyrite fractures, carbonate veins, and locally by gypsum veins.

Alteration assemblages appear to be spatially co-extensive and contemporaneous with sulphide mineralization. Classical alteration zoning patterns are not in evidence, but two prominent mineralogical

assemblages are recognized. An inner alteration zone is characterized by intense sericite-carbonate alteration accompanied by relatively strong hematite and relict magnetite in veins and as disseminations. An outer alteration zone is generally phyllic and characterized by intense quartz-sericite-pyrite alteration. Telescoping and overlapping of alteration assemblages further complicates the zone patterns.

Spacial relationships indicate that major faults influenced the emplacement of the Red Stock complex and the often linear distribution of mineralization suggests that pre-quartz stockwork tectonism, facilitated brecciation and fracture preparation of host rocks.

SUMMARY OF WORK COMPLETED - 1977:

The exploration programme at the Red-Chris Property in 1977, although relatively modest compared to previous years, involved several different phases, including line-cutting, deep overburden geochemical sampling, and an I.P. Survey. Line-cutting and overburden sampling were contracted to Bema Industries Ltd., and the geophysical survey was conducted by Texasgulf personnel. Field work commenced on June 4th and was completed by July 16th. The various surveys are summarized as follows:

GRID EXTENSIONS

A short programme of line-cutting was completed in the west property area to facilitate control for the geophysical survey, and the deep overburden geochemical sampling. Line-cutting was contracted to Bema Industries Ltd., and was completed during the period June 4th to June 20th. Base lines 2535N and 2560N were extended to the west, and various cross-lines were added or extended between 358E and 318E. A total of 20,400 feet (3.86 miles) of new picket line grid was established. The following table summarizes new lines cut during 1977.

Red-Chris Property
Line Cutting - 1977

<u>Line</u>	<u>From</u>	<u>To</u>	<u>Length</u>
B/L 2535 N	330 E	318 E	1200'
B/L 2560 N	330 E	318 E	1200'
358 E	2560 N	2570 N	1000'
354 E	2560 N	2570 N	1000'
350 E	2560 N	2570 N	1200'
346 E	2560 N	2570 N	1000'
342 E	2552 N	2560 N	800'
342 E	2525 N	2535 N	1000'
338 E	2525 N	2535 N	1000'
334 E	2530 N	2560 N	3000'
330 E	2530 N	2535 N	500'
326 E	2535 N	2560 N	2500'
322 E	2535 N	2560 N	2500'
318 E	2535 N	2560 N	<u>2500'</u>
		TOTAL	20400' (3.86 miles)

GEOCHEMICAL SURVEYS

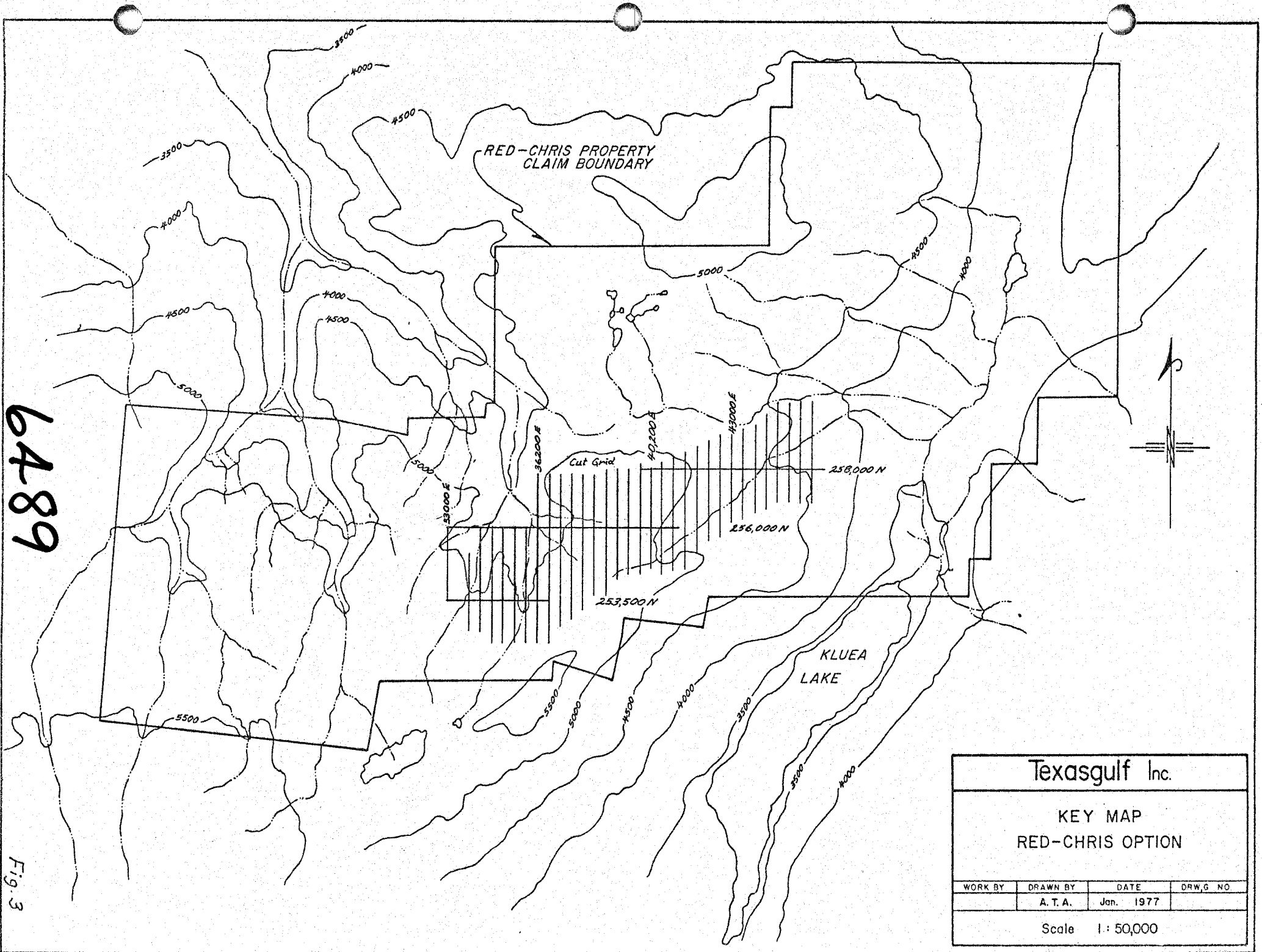
DEEP OVERBURDEN SAMPLING

A programme of deep overburden sampling was completed at the RED-CHRIS Property during 1977. A total of 153 sites were successfully sampled in three widely spaced areas of the property. The sampling was contracted to Bema Industries Ltd., of Langley, B.C., and was completed during the period June 4th to July 6th.

The overburden sampling technique involves extraction of a mixed residual soil and rock chip sample taken in a tube, at the bedrock - overburden interface. The method utilizes a portable, gasoline motor powered hammer drill. Depth to bedrock is first

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Fig. 3



Texasgulf Inc.			
KEY MAP			
RED-CHRIS OPTION			
WORK BY	DRAWN BY	DATE	DRW.G NO
	A. T. A.	Jan. 1977	
Scale 1: 50,000			

determined at the sample site by testing with a point rod. A piston-type, steel tube sampler is then attached to the drill rods, and driven through the overburden to the desired depth, where the tube is opened and the relatively undisturbed sample collected. The rods and sampler are extracted by means of a vertical lift jack and the sample is taken from the tube and packaged in a conventional kraft paper sample bag. A drill log is kept for each sample-site and the data recorded for site location, depth, overburden conditions and colour of sampled material.

Sample preparation prior to shipment to the laboratory for analysis included drying and sieving to remove the plus 1/4 inch size fraction. The recovered rock chips were examined and a geological log was made of information such as rock type, alteration and mineralization. Rock chips were then catalogued and sorted for future reference and assay analysis if required. The minus 1/4 inch size fraction was re-bagged and shipped to Bondar-Clegg & Co. Ltd.'s North Vancouver Laboratory for analysis. The minus 10 mesh size fraction of each sample was analyzed geochemically for total copper. Analytical results have been plotted on maps and are included with this report.

The grid areas sampled in 1977 are referred to as the Southwest grid area, the Main Zone area, and the SUS grid area.

A total of 95 samples was collected in the Southwest grid area which is located on the southern portions of lines 338 E to 386 E. This covered region was sampled to test the potential for copper mineralization outcropping at bedrock, with a view to outlining diamond drill targets. Sample sites were spaced at 100-foot intervals on grid lines 400 feet apart. Results are plotted on the map titled SOIL GEOCHEMISTRY, OVERBURDEN SAMPLES AT BEDROCK, which is found in the map pocket following this report.

Analytical results from samples taken in the Southwest grid area have been plotted on a histogram (Fig. 4) to show frequency distribution of this data. In addition, a simple statistical analysis was performed, including a cumulative frequency plot on arithmetic probability paper (Fig. 5).

Close spaced overburden sampling was conducted in the Main Zone covered area to explore for potential high grade copper mineralization at bedrock surface. Forty-two samples were collected in the vicinity of lines 286 E and 290 E immediately south of base line 2560 N. A sample spacing of 50 feet was employed on lines 100 feet apart. The minus 10 mesh fraction was analyzed for total copper, and the results have been plotted and contoured at a scale of 1" = 100' (Fig. 6). As can be readily seen, most of the values returned are highly anomalous in copper. Also included is an OVERBURDEN ISOPACH diagram, (Fig. 7), showing thickness of overburden in feet.

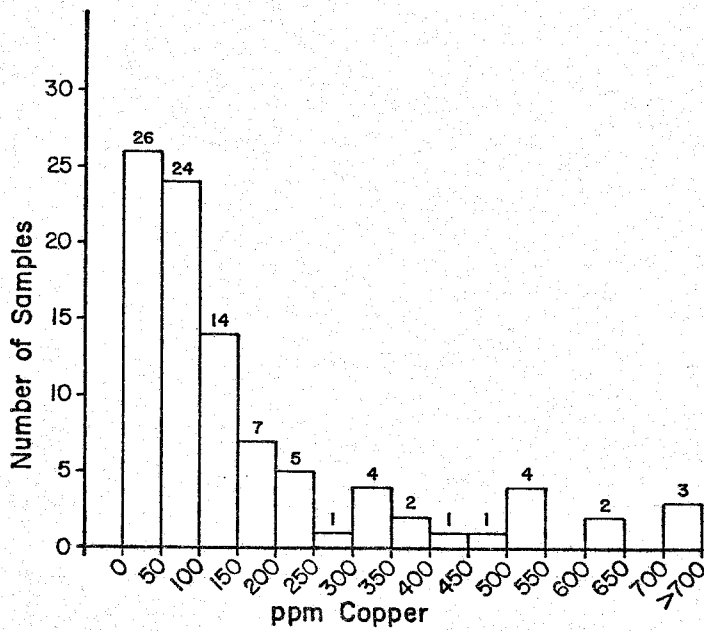
A very short reconnaissance sampling survey was completed along two lines of the SUS grid, located northeast of the main RED-CHRIS Property grid. Seven samples were taken on line 4400 E, and nine samples from sites along line 5600 E. A sample spacing of 200 feet was employed. The minus 10 mesh fraction was analyzed geochemically for total copper, molybdenum, and zinc. A plot of sample locations and analytical results is included as Fig. 8. Four samples returned high values for molybdenum but all others returned low order background values for all three metals.

GEOPHYSICAL SURVEYS

An I.P. survey was completed by Texasgulf personnel at the RED-CHRIS Property during the period June 15 to July 16, 1977. A total of 12.5 miles distributed between 17 grid lines (318 E to 382 E) was

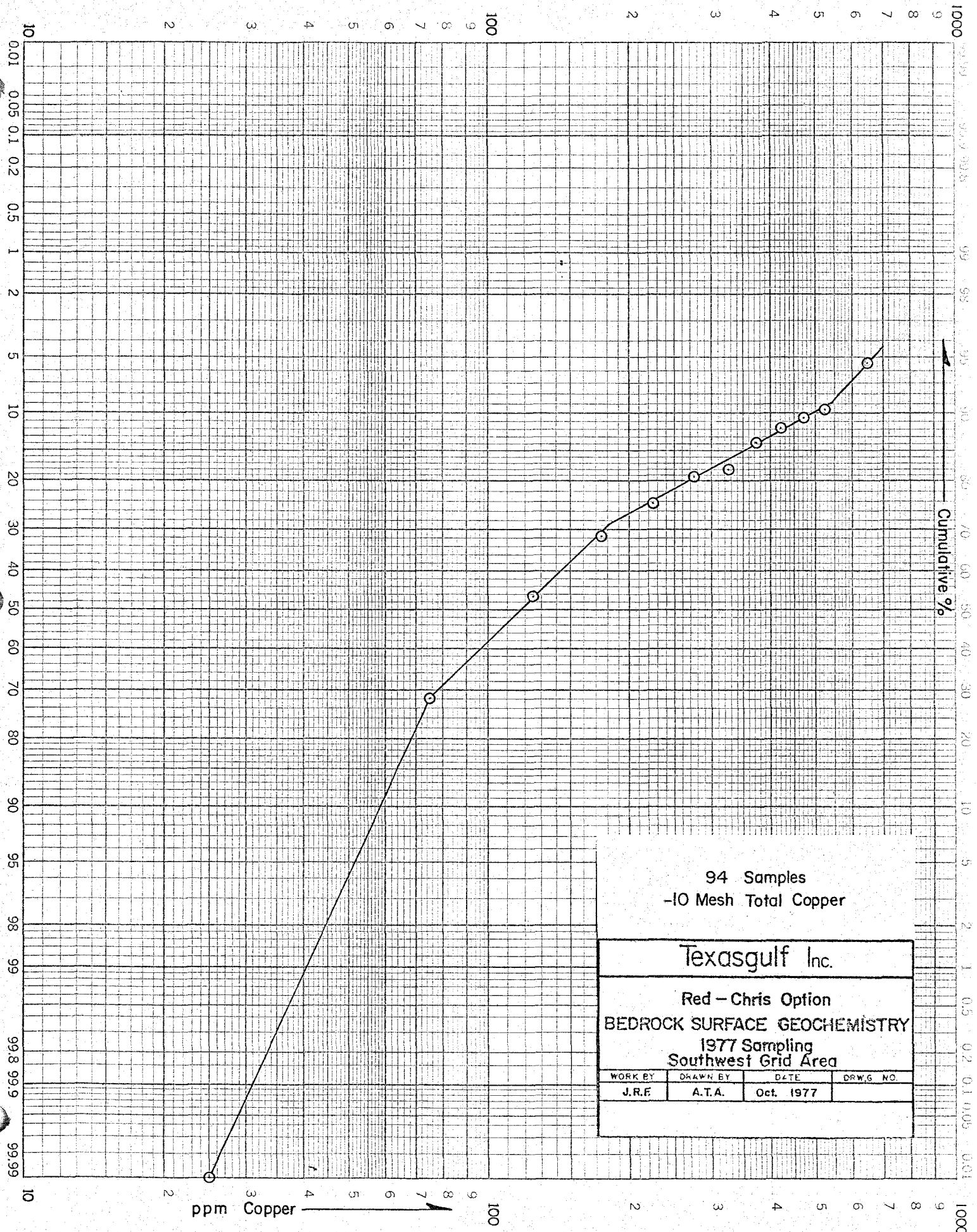
HISTOGRAM of SAMPLES OCCURRING in 50ppm Cu
SAMPLE CELLS

n = 94 samples
 \bar{x} = 182 \bar{x}' = 156
S = 251 S = 169



6489

Texasgulf Inc.			
Red - Chris Option			
BEDROCK SURFACE GEOCHEMISTRY			
1977 Sampling			
Southwest Grid Area			
WORK BY	DRAWN BY	DATE	DRW.G. NO.
J.R.F.	A.T.A.	Oct. 1977	
<i>Fig. 4</i>			

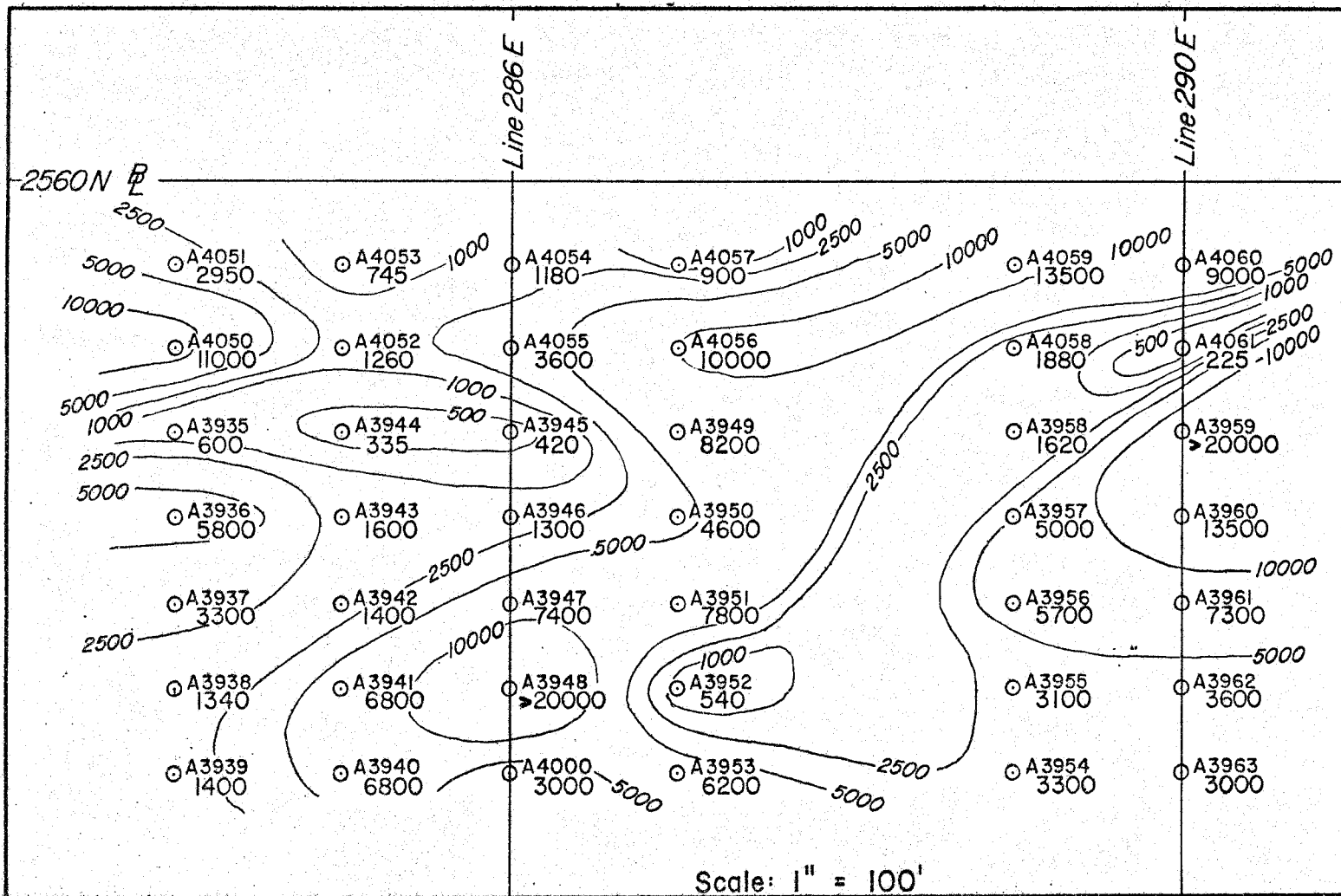


94 Samples
 -10 Mesh Total Copper

Texasgulf Inc.
 Red - Chris Option
 BEDROCK SURFACE GEOCHEMISTRY
 1977 Sampling
 Southwest Grid Area

Fig. 5

6489



Sample Site → ○ A3947
 ← Sample Number
 ← ppm Copper

Texasgulf Inc.

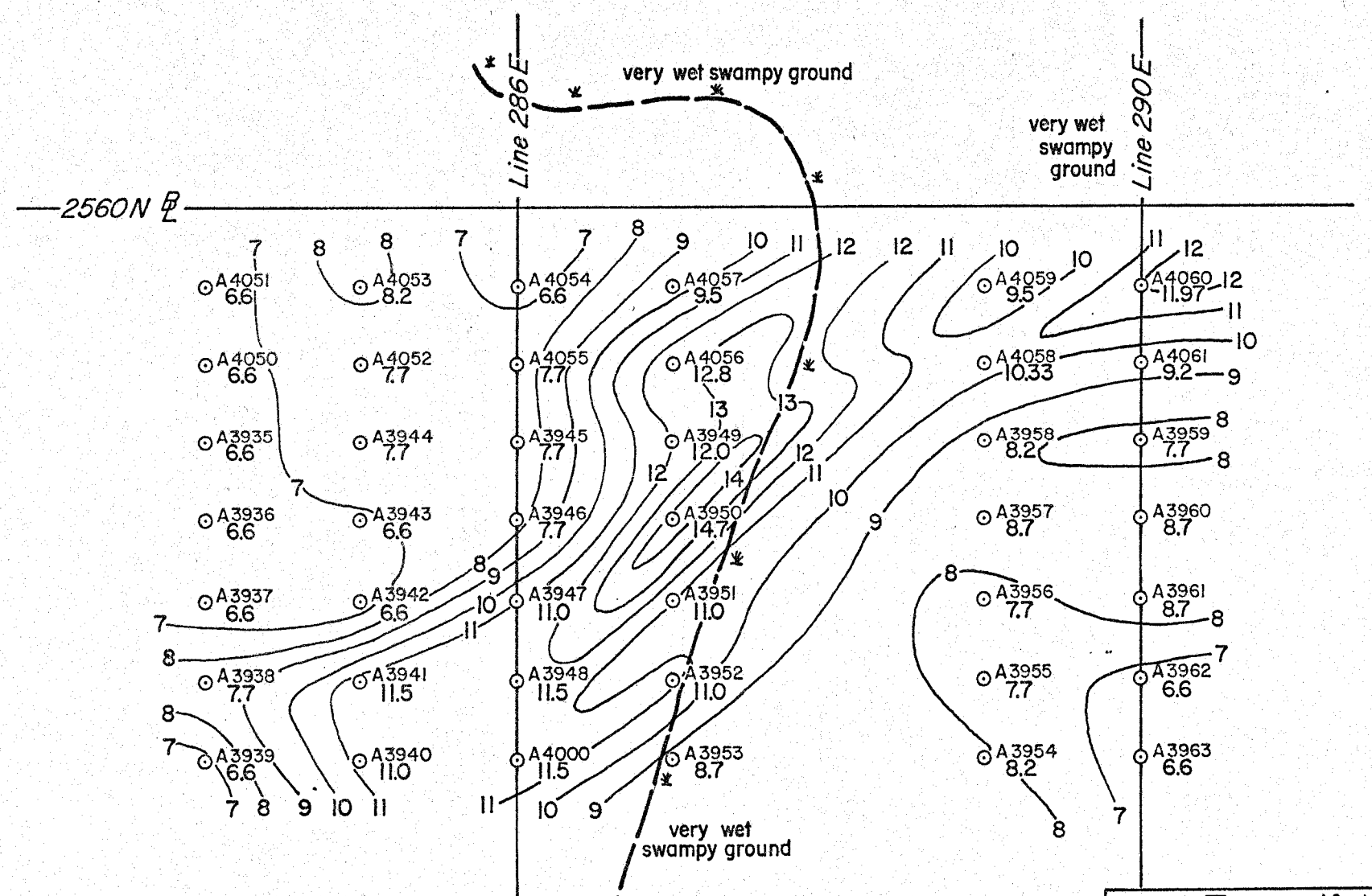
Red-Chris Option
 BEDROCK SURFACE GEOCHEMISTRY
 Detailed Sampling

WORK BY	DRAWN BY	DATE	DRWG NO
J.R.F.G.R.P.	ATA.	Aug. 1977	
50	0	25	100 150

Scale in Feet

6489

Fig. X

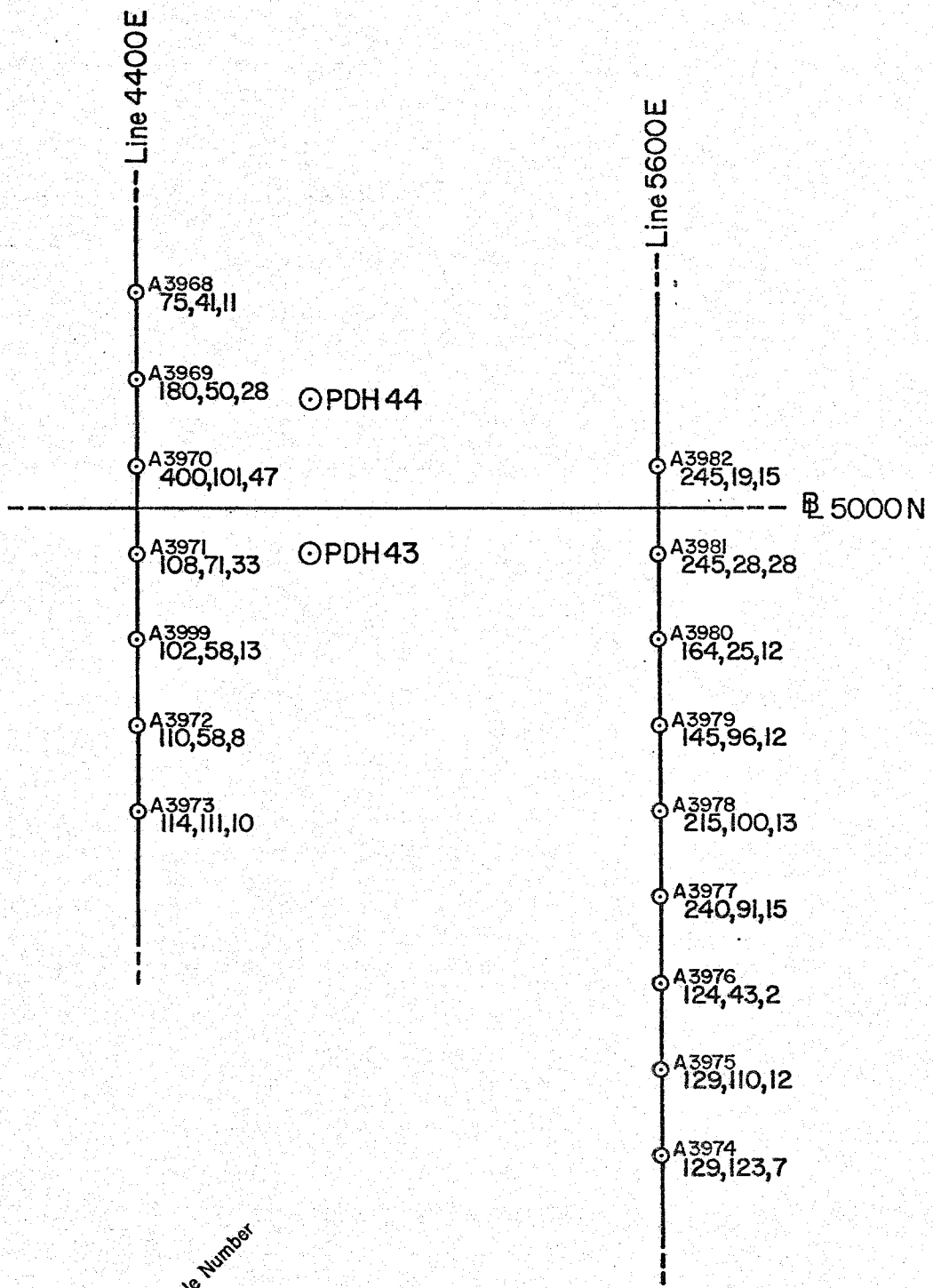


Texasgulf Inc.

Red - Chris Option
OVERBURDEN ISOPACH
(thickness in feet)
Detailed Sampling

WORK BY	DRAWN BY	DATE	DRWG NO
J.R.F. GRP	ATA.	Sept. 1977	

50 0 50 100 150
Scale in Feet



Sample Number

Sample Site ○ A3979 145,96,12

Zinc (p.p.m.)

Molybdenum (p.p.m.)

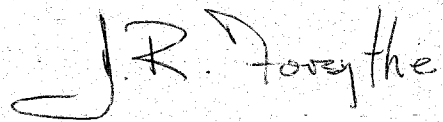
Copper (p.p.m.)

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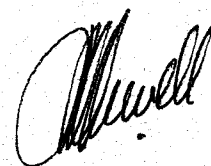
Texasgulf Inc.			
RED-CHRIS OPTION			
SUS GRID			
BEDROCK SURFACE GEOCHEMISTRY			
WORK BY	DRAWN BY	DATE	DRW.G. NO.
J.R.F., G.R.F.	A.T.A.	Sept. 1977	
200	100	0	200 400 600
Scale in Feet			

Fig. 8

surveyed in the west property area. A Crone I.P.-4, No. 64, 250 W Tx instrument was used employing a dipole-dipole array with $a = 100$ feet, and $n = 1$ to 3. Results of this survey are documented in the geophysical report included as Appendix A to this report.



J.R. Forsythe
J.R. Forsythe



APPENDIX A
GEOPHYSICAL SURVEYS

TEXASGULF CANADA LIMITED
REPORT ON GEOPHYSICAL WORK
RED-CHRIS CLAIMS
BRITISH COLUMBIA

October 25, 1977

W.A. Gasteiger

TEXASGULF CANADA LIMITED
REPORT ON GEOPHYSICAL WORK
RED - CHRIS CLAIMS
BRITISH COLUMBIA

1. INTRODUCTION:

A geophysical survey consisting of Induced Polarization traverses was performed over the west portion of the Red-Chris claims.

Surveying commenced in June, 1977 under the direction of Casey Ravenhurst and was completed in August by Frank Glass.

2. SURVEY DETAILS:

Traverse lines were established at 400 foot intervals, from 32,000E to 38,400E.

A dipole-dipole electrode configuration was used for the Induced Polarization survey. One hundred foot dipoles were used and measurements were taken with "n" equal to one, two, and three (i.e. spacing between current and potential dipoles equal to 30, 60 and 90 metres). Field equipment consisted of a Crone 250 watt portable transmitter and a Crone N-10 receiver.

3. SURVEY RESULTS AND INTERPRETATION:

The present survey ties on to previous I.P. work that outlined a complex mineralized intrusive system to the east.

The I.P. pattern from Line 38,400 to Line 36,000 closely resemble the general pattern that occurred throughout the previous surveying, in fact Lines 38,400 to 36,400 overlap previous surveying that was run

with 200 foot dipoles with "n" values of one and two.

The low chargeabilities and resistivities to the south correspond to the Bowser sediment, the varying chargeabilities and resistivities in the centre of the area represent the mineralized intrusive complex. The increasing resistivities to the north may represent the approach of the volcanic sequence.

West of Line 36,000E the pattern changes somewhat, with the low resistivity sediment appearing to pinch out or at least thin substantially. From Lines 35,600E to 34,400E what appears to be mineralized dyke occurs south of what should be the sediment contact. On Line 34,800E this zone blossoms into a wider zone of better sulphide mineralization.

West of Line 34,000E, the south contact of the mineralized intrusive is defined by rocks of higher resistivities, certainly not characteristic of the Bowser sediments. This zone probably consists of volcanics or non-mineralized, non-fractured intrusive. Line 32,000E consists of generally high resistivity values with insignificant chargeability values. The western end of the mineralized intrusive appears to occur between 32,000E and 32,400E.

The compilation map outlines areas of high chargeability with areas containing low resistivity and high chargeability emphasized. Four of these hot spots that should contain substantial sulphide mineralization occur at Line 384E at 2566N, 380E at 2550N to 2555N, 372E at 2552N, and 352E at 2532N. Very low resistivities occur on Line 340E at 2338N; however their values may be affected by topography as a ravine cuts this line.

Outlined in a heavy dashed line is part of what could be the edge (pyritic halo) of a phase of the intrusive complex.

4. CONCLUSIONS AND RECOMMENDATIONS:

Some drilling has been done in the west portion of the property.

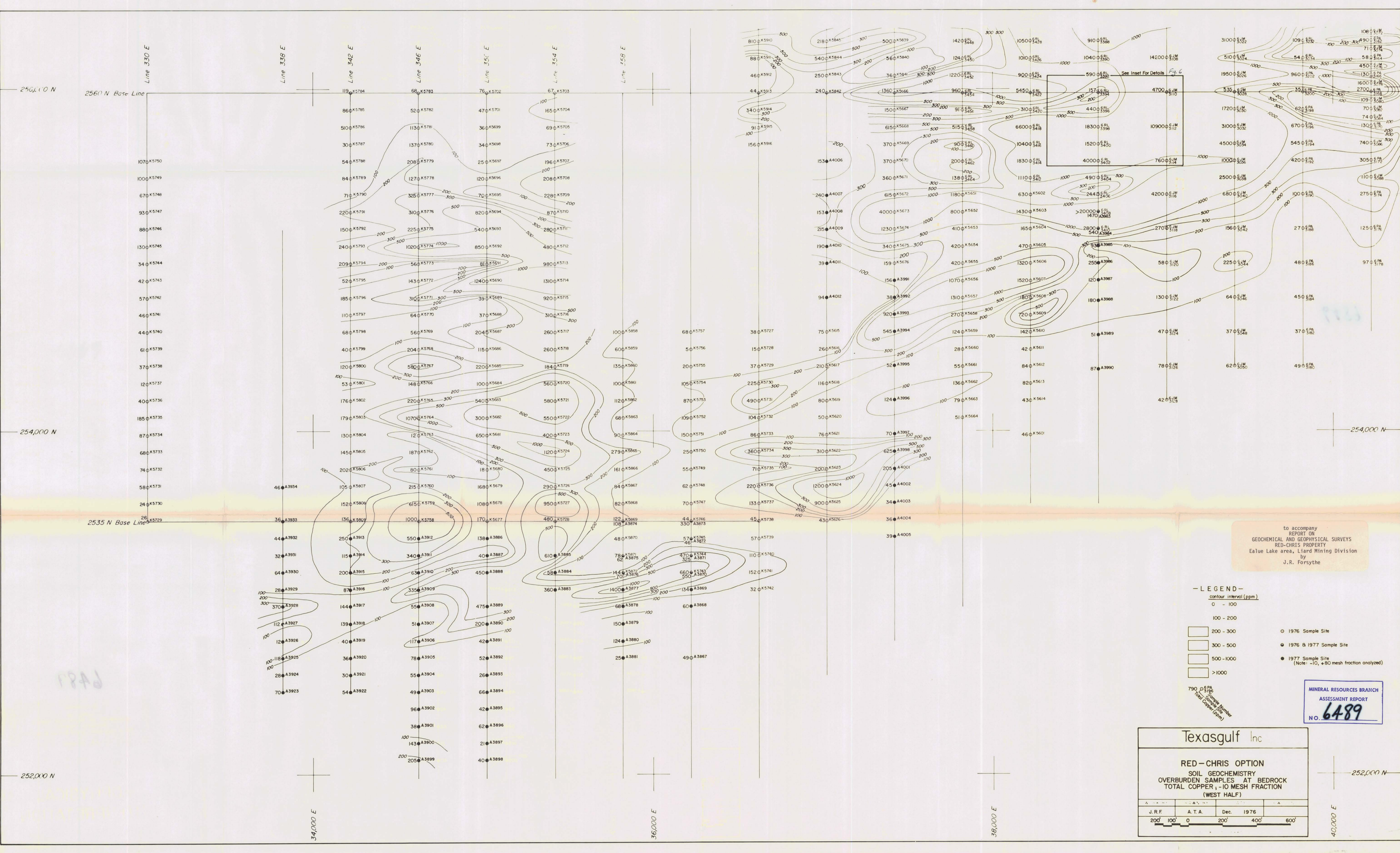
How these holes lie with respect to the outlined pyrite halo as well as the low resistivity, high chargeability hot spots should be examined. If the drilling has been concentrated in the high chargeability zones it might be interesting to examine the inner flanks and core of the arcuate structure outlined.

Magnetic surveying should be completed.

William Gasteiger

October 24, 1977

W. A. Gasteiger



to accompany
REPORT ON
GEOCHEMICAL AND GEOPHYSICAL SURVEYS
RED-CHRIS PROPERTY
Ealue Lake area, Liard Mining Division
by
J.R. Forsythe

- LEGEND -
contour interval (ppm)
- 0 - 100
 - 100 - 200
 - 200 - 300
 - 300 - 500
 - 500 - 1000
 - > 1000
- 1976 Sample Site
 - 1976 & 1977 Sample Site
 - 1977 Sample Site
(Note: -10, +80 mesh fraction analyzed)

790 ppm
Sample Number
Total Copper (ppm)

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6489

Texasgulf Inc

RED-CHRIS OPTION
SOIL GEOCHEMISTRY
OVERBURDEN SAMPLES AT BEDROCK
TOTAL COPPER, -10 MESH FRACTION
(WEST HALF)

J. R. F.	A. T. A.	Dec. 1976
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200' 100' 0 200' 400' 600'

1994

252,000 N

40,000 E

256,000 N

254,000 N

252,000 N

Line 330 E

Line 338 E

Line 342 E

Line 346 E

Line 350 E

Line 354 E

Line 358 E

34,000 E

36,000 E

38,000 E

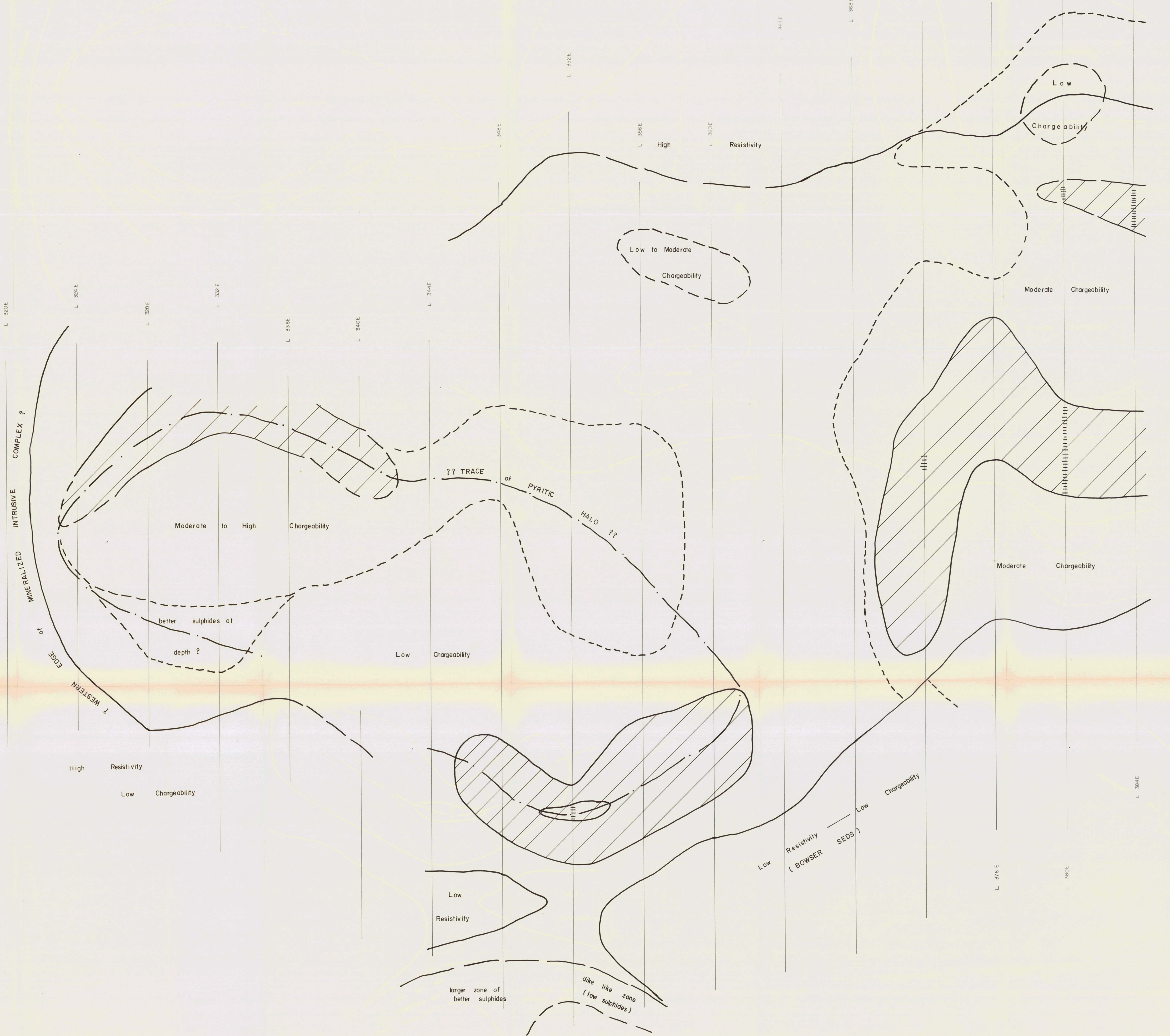
40,000 E

2560 N Base Line

2535 N Base Line

2580 N
 2570 N
 2560 N
 2550 N
 2540 N
 2530 N
 2520 N

L 320E
 L 324E
 L 328E
 L 332E
 L 336E
 L 340E
 L 344E
 L 348E
 L 352E
 L 356E
 L 360E
 L 364E
 L 368E
 L 372E
 L 376E
 L 380E
 L 384E



LEGEND

High chargeability

High chargeability & low resistivity

8243

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to accompany
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 GEOCHEMICAL AND GEOPHYSICAL SURVEYS
 RED-CHRIS PROPERTY
 Ealue Lake area, Liard Mining Division
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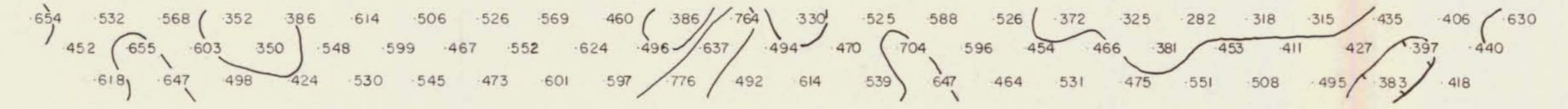
TEXASGULF CANADA Ltd.
 RED-CHRIS OPTION, B. C.
GEOPHYSICAL INTERPRETATION

Scale: 0 200 400 600 800

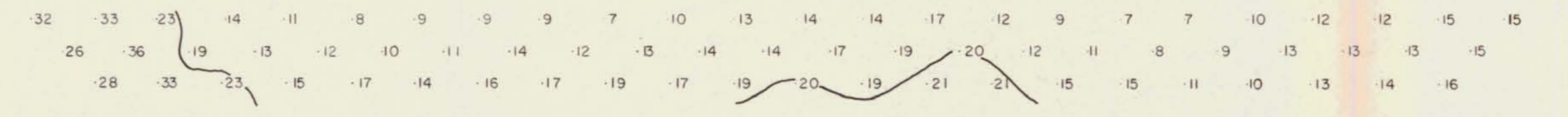
Date of Survey: October, 1977
 Survey By: W. Gasteiger
 Drawn By: D. E. Laski
 Project No: 292

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



6489

PRAJ

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

MAGNETOMETER : Geometrics G 816
 TRANSMITTER : Crone 250 watt I.P. transmitter
 RECEIVER : Crone N-IV I.P. receiver
 CHARGING TIME : 2.0 seconds
 OFF TIME : 2.0 seconds
 DELAY TIME : 0.45 seconds
 INTEGRATION TIME : 0.45 seconds
 ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a = 100 feet

CONTOUR INTERVAL : Ma = 20 msec
 fa = 10 μm
 16
 25
 40
 63
 100

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6489

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

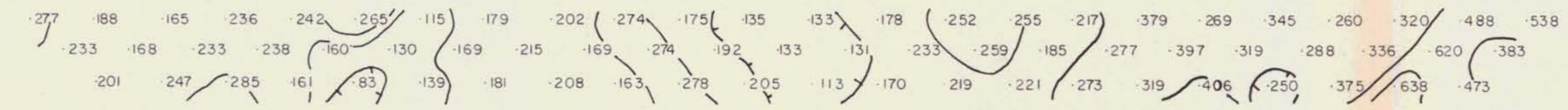
LINE
 320 E

Tg GRID

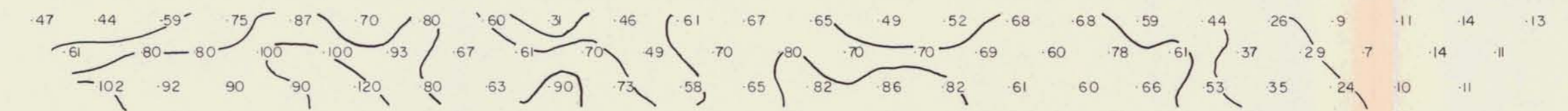
Scale : 1 in = 200 feet
 Drawn : D. E. L.
 Survey Tg Crew
 Project NR 292
 Date : June , 1977

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



6489

P8A

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

MAGNETOMETER : Geometrics G 816
 TRANSMITTER : Crone 250 watt I.P. transmitter
 RECEIVER : Crone N-IV I.P. receiver
 CHARGING TIME : 2.0 seconds
 OFF TIME : 2.0 seconds
 DELAY TIME : 0.45 seconds
 INTEGRATION TIME : 0.45 seconds
 ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a = 100 feet

CONTOUR INTERVAL : Ma = 20 msec
 16
 25
 40
 63
 100

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **6489**

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

LINE
328 E

Tg GRID

Scale : 1 in = 200 feet Drawn : D. E. L.
 Survey : Tg Crew Project No: 292 Date : June , 1977



LEGEND

MAGNETOMETER : Geometrics G.BE
 TRANSMITTER : Crane 250 watt I.P. transmitter
 RECEIVER : Crane N-IV I.P. receiver
 CHARGING TIME : 2.0 seconds
 OFF TIME : 2.0 seconds
 DELAY TIME : 0.45 seconds
 INTEGRATION TIME : 0.45 seconds
 ELECTRODE CONFIGURATION : DIPOLE-DIPOLE

a = 100 feet

CONTOUR INTERVAL : Ma = 20msec
 f₀ = 10 μm
 16
 25
 40
 63
 100

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6489

TEXASGULF INC.

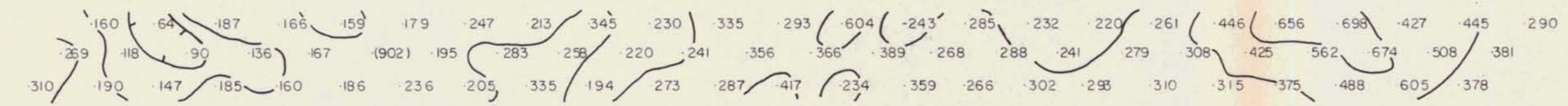
RED - CHRIS OPTION , B. C.

LINE
 332 E

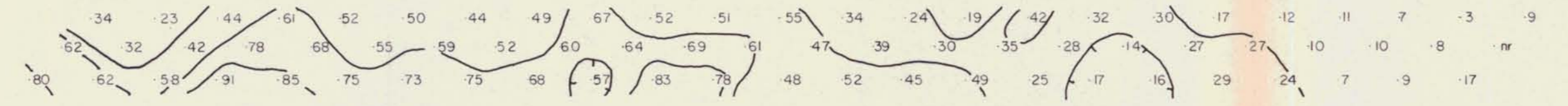
Tg GRID
 Scale : 1 in = 200 feet Drawn : D. E. L.
 Survey Tg Crew Project No: 292 Date : June, 1977

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

- MAGNETOMETER : Geometrics G 815
- TRANSMITTER : Crane 250 watt I.F. transmitter
- RECEIVER : Crane N-IV I.F. receiver
- CHARGING TIME : 2.0 seconds
- OFF TIME : 2.0 seconds
- DELAY TIME : 0.45 seconds
- INTEGRATION TIME : 0.45 seconds
- ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a = 100 feet

CONTOUR INTERVAL : M a = 20msec

- 10 m
- 16
- 25
- 40
- 63
- 100

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6489**

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

LINE

336 E

Tg GRID

Scale : 1 in = 200 feet	Drawn : D E L
Survey : Tg Crew	Project No. : 292
Date : June , 1977	

2580 N
2578 N
2576 N
2574 N
2572 N
2570 N
2568 N
2566 N
2564 N
2562 N
2560 N
2558 N
2556 N
2554 N
2552 N
2550 N
2548 N
2546 N
2544 N
2542 N
2540 N
2538 N
2536 N
2534 N
2532 N
2530 N
2528 N
2526 N
2524 N
2522 N
2520 N

APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



2580 N
2578 N
2576 N
2574 N
2572 N
2570 N
2568 N
2566 N
2564 N
2562 N
2560 N
2558 N
2556 N
2554 N
2552 N
2550 N
2548 N
2546 N
2544 N
2542 N
2540 N
2538 N
2536 N
2534 N
2532 N
2530 N
2528 N
2526 N
2524 N
2522 N
2520 N

LEGEND

- MAGNETOMETER : Geometrics G 816
- TRANSMITTER : Crane 250 watt I.P. transmitter
- RECEIVER : Crane N-IV I.P. receiver
- CHARGING TIME : 2.0 seconds
- OFF TIME : 2.0 seconds
- DELAY TIME : 0.45 seconds
- INTEGRATION TIME : 0.45 seconds
- ELECTRODE CONFIGURATION : DIPOLE-DIPOLE

a : 100 feet

- CONTOUR INTERVAL : Ma = 20msec
- $\rho_a = 10 \Omega m$
- 16
- 25
- 40
- 63
- 100

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6489**

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

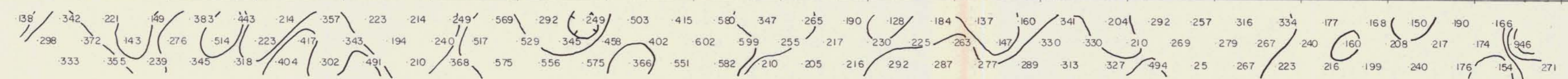
LINE
340 E

Tg GRID

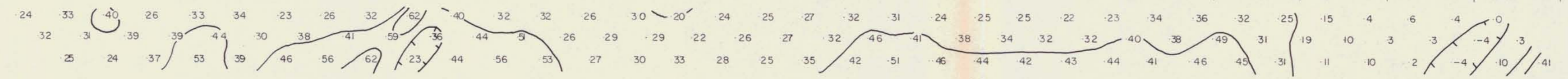
Scale	1 in = 200 feet	Drawn	D. E. L.
Survey	Tg Crew	Project No.	29
		Date	June, 1977

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

MAGNETOMETER : Geometrics G 816
 TRANSMITTER : Crane 250 watt I.P. transmitter
 RECEIVER : Crane N-IV I.P. receiver
 CHARGING TIME : 2.0 seconds
 OFF TIME : 2.0 seconds
 DELAY TIME : 0.45 seconds
 INTEGRATION TIME : 0.45 seconds
 ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a : 100 feet

CONTOUR INTERVAL : Ma = 20 msec

ρ_a = 10 m
 16
 25
 40
 63
 100

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **6489**

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

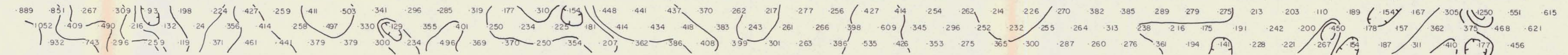
LINE
344 E

Tg GRID

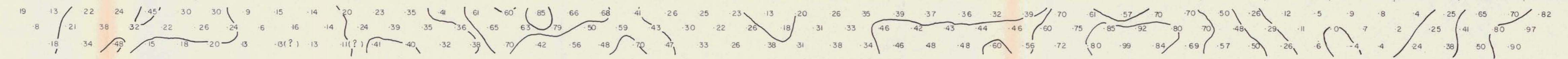
Scale : 1 in = 200 feet Drawn : D. E. L.
 Survey : Tg Crew Project No. : 292 Date : June, 1977

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APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

- MAGNETOMETER : Geometrics G 816
- TRANSMITTER : Crone 250 watt I.P. transmitter
- RECEIVER : Crone N-IV I.P. receiver
- CHARGING TIME : 2.0 seconds
- OFF TIME : 2.0 seconds
- DELAY TIME : 0.45 seconds
- INTEGRATION TIME : 0.45 seconds
- ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a = 100 feet

- CONTOUR INTERVAL : Ma = 20 msec
- $\rho_a = 10 \Omega \cdot m$
- 16
- 25
- 40
- 63
- 100

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6489**

TEXASGULF INC.

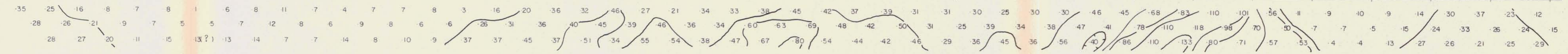
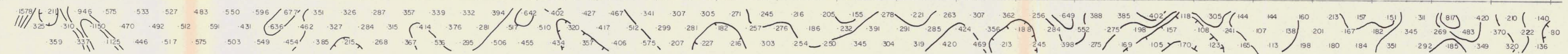
RED - CHRIS OPTION , B. C.

LINE
348 E

Tg GRID

Scale : 1 in = 200 feet	Drawn : D. E. L.
Survey : Tg Crew	Project No. : 292
	Date : June , 1977

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N



2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

MAGNETOMETER : Geometrics G 816
 TRANSMITTER : Crone 250 watt I.F. transmitter
 RECEIVER : Crone N-IV I.P. receiver
 CHARGING TIME : 2.0 seconds
 OFF TIME : 2.0 seconds
 DELAY TIME : 0.45 seconds
 INTEGRATION TIME : 0.45 seconds
 ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a = 100 feet

f₀ = 10 μm
 16
 25
 40
 63
 100

CONTOUR INTERVAL : Ma = 20msec

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6489

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

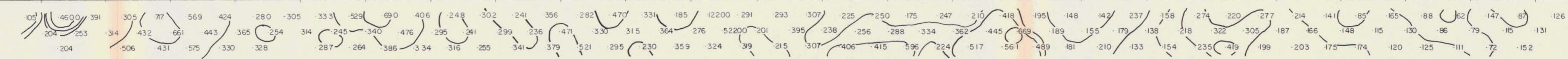
LINE
 352 E

Tg GRID

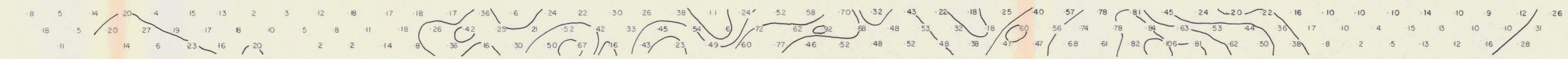
Scale : 1 in = 200 feet Drawn : D. E. L.
 Survey : Tg Crew Project No. : 292 Date : June, 1977

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

- MAGNETOMETER : Geometrics G BE
- TRANSMITTER : Crane 250 watt I.P. transmitter
- RECEIVER : Crane N-IV I.P. receiver
- CHARGING TIME : 2.0 seconds
- OFF TIME : 2.0 seconds
- DELAY TIME : 0.45 seconds
- INTEGRATION TIME : 0.45 seconds
- ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a = 100 feet

CONTOUR INTERVAL : Ma = 20 msec

- fb = 10 m
- 16
- 25
- 40
- 63
- 100

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6489**

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

LINE

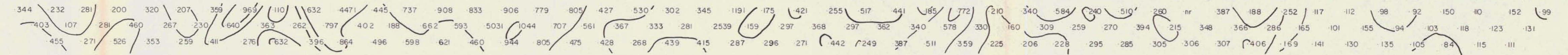
356 E

Tg GRID

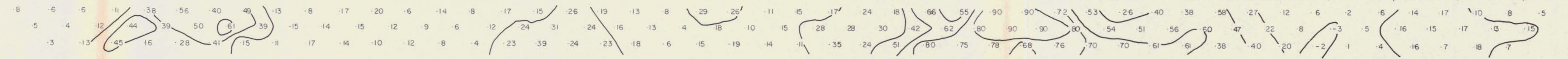
Scale : 1 in = 200 feet	Drawn : D. E. L.
Survey : Tg Crew	Project No: 292
	Date : June , 1977

2560 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



2560 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

MAGNETOMETER : Geometrics G 816
 TRANSMITTER : Crone 250 watt I.P. transmitter
 RECEIVER : Crone N-IV I.P. receiver
 CHARGING TIME : 2.0 seconds
 OFF TIME : 2.0 seconds
 DELAY TIME : 0.45 seconds
 INTEGRATION TIME : 0.45 seconds
 ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a : 100 feet

CONTOUR INTERVAL : Ma = 20 msec

ρ_a : 10 Ω m
 16
 25
 40
 63
 100

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **6489**

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

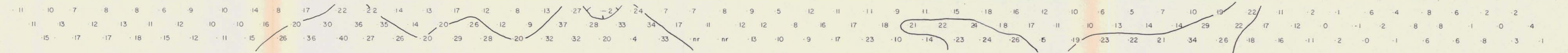
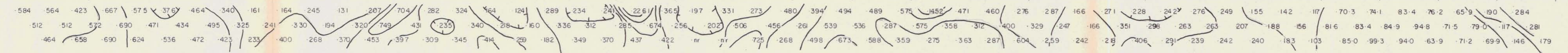
LINE

360 E

Tg GRID

Scale : 1 in = 200 feet
 Survey : Tg Crew
 Project No. : 292
 Date : June , 1977
 Drawn : D. E. L.

2580 N 2578 N 2576 N 2574 N 2572 N 2570 N 2568 N 2566 N 2564 N 2562 N 2560 N 2558 N 2556 N 2554 N 2552 N 2550 N 2548 N 2546 N 2544 N 2542 N 2540 N 2538 N 2536 N 2534 N 2532 N 2530 N 2528 N 2526 N 2524 N 2522 N 2520 N



2580 N 2578 N 2576 N 2574 N 2572 N 2570 N 2568 N 2566 N 2564 N 2562 N 2560 N 2558 N 2556 N 2554 N 2552 N 2550 N 2548 N 2546 N 2544 N 2542 N 2540 N 2538 N 2536 N 2534 N 2532 N 2530 N 2528 N 2526 N 2524 N 2522 N 2520 N

LEGEND

MAGNETOMETER : Geometrics G 816
 TRANSMITTER : Crane 250 watt I.P. transmitter
 RECEIVER : Crane N-IV I.P. receiver
 CHARGING TIME : 2.0 seconds
 OFF TIME : 2.0 seconds
 DELAY TIME : 0.45 seconds
 INTEGRATION TIME : 0.45 seconds
 ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a = 100 feet

CONTOUR INTERVAL : Ma = 20 msec
 ρa = 10 Ω·m
 16
 25
 40
 63
 100

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6489

TEXASGULF INC.

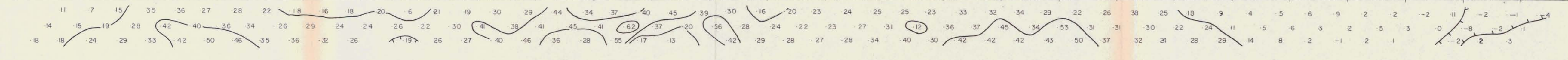
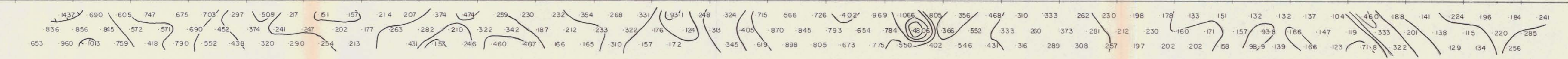
RED - CHRIS OPTION , B. C.

LINE
 364 E

Tg GRID

Scale : 1 in = 200 feet Drawn : D. E. L.
 Survey : Tg Crew Project No. : 292 Date : June , 1977

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N



2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

MAGNETOMETER : Geometrics G 816
 TRANSMITTER : Crone 250 watt I.P. transmitter
 RECEIVER : Crone N-IV I.P. receiver
 CHARGING TIME : 2.0 seconds
 OFF TIME : 2.0 seconds
 DELAY TIME : 0.45 seconds
 INTEGRATION TIME : 0.45 seconds
 ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a : 100 feet

CONTOUR INTERVAL : Ma = 20 msec
 fa = 10 m
 16
 25
 40
 63
 100

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **6489**

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

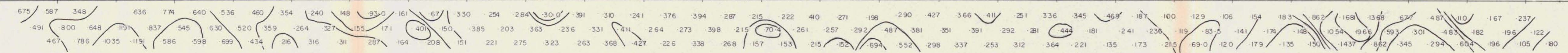
LINE
368 E

Tg GRID

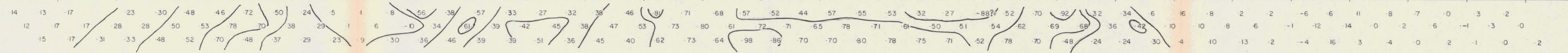
Scale : 1 in = 200 feet
 Drawn : D. E. L.
 Survey : Tg Crew
 Project No. : 292
 Date : June, 1977

2580 N
2578 N
2576 N
2574 N
2572 N
2570 N
2568 N
2566 N
2564 N
2562 N
2560 N
2558 N
2556 N
2554 N
2552 N
2550 N
2548 N
2546 N
2544 N
2542 N
2540 N
2538 N
2536 N
2534 N
2532 N
2530 N
2528 N
2526 N
2524 N
2522 N
2520 N

APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



2580 N
2578 N
2576 N
2574 N
2572 N
2570 N
2568 N
2566 N
2564 N
2562 N
2560 N
2558 N
2556 N
2554 N
2552 N
2550 N
2548 N
2546 N
2544 N
2542 N
2540 N
2538 N
2536 N
2534 N
2532 N
2530 N
2528 N
2526 N
2524 N
2522 N
2520 N

LEGEND

MAGNETOMETER : Geometrics G 816
TRANSMITTER : Crone 250 watt I.P. transmitter
RECEIVER : Crone N-IV I.P. receiver
CHARGING TIME : 2.0 seconds
OFF TIME : 2.0 seconds
DELAY TIME : 0.45 seconds
INTEGRATION TIME : 0.45 seconds
ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a : 100 feet

CONTOUR INTERVAL : Ma = 20 msec
 ρ_a : 10 m
16
25
40
63
100

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6489**

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

LINE

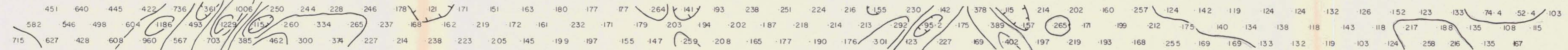
372 E

Tg GRID

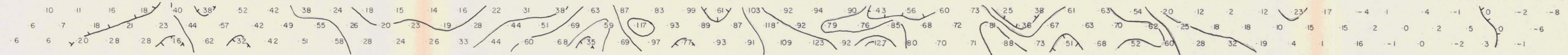
Scale : 1 in = 200 feet
Drawn : D. E. L.
Survey : Tg Crew
Project No : 292
Date : June , 1977

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

- MAGNETOMETER : Geometrics G 816
- TRANSMITTER : Crone 250 watt I.P. transmitter
- RECEIVER : Crone N-IV I.P. receiver
- CHARGING TIME : 2.0 seconds
- OFF TIME : 2.0 seconds
- DELAY TIME : 0.45 seconds
- INTEGRATION TIME : 0.45 seconds
- ELECTRODE CONFIGURATION : DIPOLE-DIPOLE
- a = 100 feet
- CONTOUR INTERVAL : M_a : 20 msec
- β_a : 10 m
- 16
- 25
- 40
- 63
- 100

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6489**

TEXASGULF INC.

RED - CHRIS OPTION , B. C.

LINE
376 E

Tg GRID

Scale : 1 in = 200 feet	Drawn : D. E. L.
Survey : Tg Crew	Project NR : 292
	Date : June , 1977

LEGEND

MAGNETOMETER : Geometrics G 816
 TRANSMITTER : Crane 250 watt 1 P transmitter
 RECEIVER : Crane N-IV 1 P receiver
 CHARGING TIME : 2.0 seconds
 OFF TIME : 2.0 seconds
 DELAY TIME : 0.45 seconds
 INTEGRATION TIME : 0.45 seconds
 ELECTRODE CONFIGURATION : DIPOLE - DIPOLE

a = 100 feet

CONTOUR INTERVAL : Ma : 20 msec

ρ_a = 10
 16
 25
 40
 63
 100

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **6489**

TEXASGULF INC.

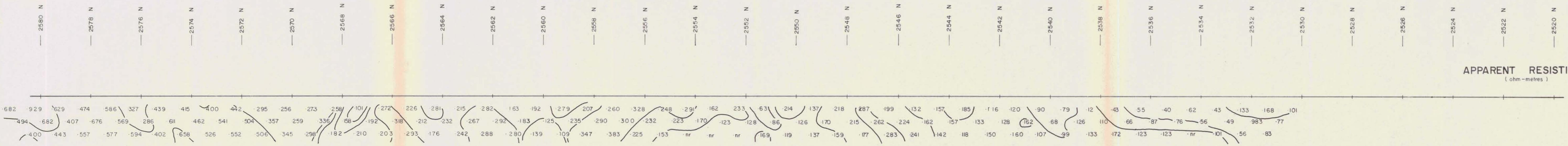
RED - CHRIS OPTION , B. C.

LINE
 380 E

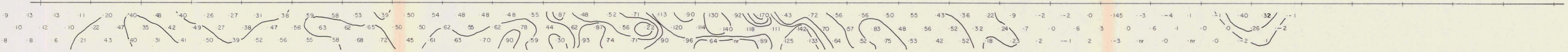
Tg GRID

Scale : 1 in = 200 feet Drawn : D. E. L.
 Survey : Tg Crew Project No. : 292 Date : June, 1977

APPARENT RESISTIVITY
 (ohm-metres)



CHARGEABILITY
 (milliseconds)

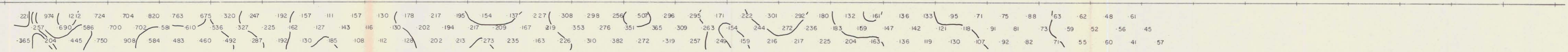


6489

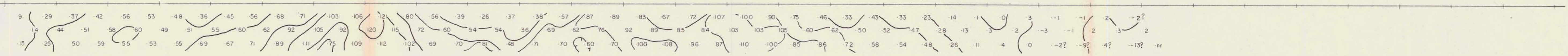
6489

2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

APPARENT RESISTIVITY
(ohm-metres)



CHARGEABILITY
(milliseconds)



2580 N — 2578 N — 2576 N — 2574 N — 2572 N — 2570 N — 2568 N — 2566 N — 2564 N — 2562 N — 2560 N — 2558 N — 2556 N — 2554 N — 2552 N — 2550 N — 2548 N — 2546 N — 2544 N — 2542 N — 2540 N — 2538 N — 2536 N — 2534 N — 2532 N — 2530 N — 2528 N — 2526 N — 2524 N — 2522 N — 2520 N

LEGEND

MAGNETOMETER : Geometrics G 816
 TRANSMITTER : Crane 250 watt I.F. transmitter
 RECEIVER : Crane N-IV I.F. receiver
 CHARGING TIME : 2.0 seconds
 OFF TIME : 2.0 seconds
 DELAY TIME : 0.45 seconds
 INTEGRATION TIME : 0.45 seconds
 ELECTRODE CONFIGURATION : DIPOLE - DIPOLE
 a = 100 feet
 CONTOUR INTERVAL : Ma = 20 msec
 ρa = 10 Ω·m
 16
 25
 40
 63
 100

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **6489**

TEXASGULF INC.
 RED - CHRIS OPTION , B. C.
LINE
384 E

Tg GRID
 Scale : 1 in = 200 feet
 Drawn : D. E. L.
 Survey Tg Crew
 Project NO. : 292
 Date : June , 1977

APPENDIX B

EXPENDITURE STATEMENTS

These statements have been filed in
support of Applications to Record
Work filed on July 8th and August 4th,
1977.

STATEMENT OF EXPENDITURES

SUS 76 GROUPSALARIES AND FRINGE BENEFITS - TEXASGULF, INC.

G.R. Peatfield, P.Eng. - Supervision			
June 29	1 day @ \$120	\$120.00	
J.R. Forsythe, Geologist - Interpretation			
Period June 17-July 5	1 1/2 days @ \$110	165.00	
S. Bartlett - Assistant			
June 17	1/2 day @ \$35	17.50	
		<u>\$302.50</u>	\$ 302.50

BEMA INDUSTRIES LTD.

Bedrock surface geochemistry, June 23-25			
Drill and 2 man crew	38 hrs @ \$37.50		\$1,425.00

GROUND SUPPORT

Rental of allterrain vehicle	4x\$700/30		\$ 93.33
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HELICOPTER SUPPORT

Texasgulf Bell 206B	2.6 hrs @ \$300		\$ 780.00
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ROOM AND BOARD

11 man-days @ \$25.00			\$ 275.00
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ANALYSES

16 samples @ \$2.85			<u>\$ 45.60</u>
			\$2,921.43

STATEMENT OF EXPENDITURES
KLUEA GROUP (BEDROCK SURFACE SAMPLING)

SALARIES AND FRINGE BENEFITS - TEXASGULF, INC.

G.R. Peatfield, P.Eng. - Supervision		
June 30	1/2 day @ \$120	60.00
J.R. Forsythe, Geologist - Interpretation		
Period June 25-30	1 1/2 days @ \$110	165.00
S. Bartlett - Assistant		
Period June 25-30	1 day @ \$35	35.00
		<u>260.00</u>
		260.00

BEMA INDUSTRIES LTD

Bedrock surface sampling, June 27, 30		
Drill and 2 man crew 19 hrs @ \$37.50		712.50

GROUND SUPPORT

Rental of all terrain vehicle 2 x \$700/30		46.67
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HELICOPTER SUPPORT

Texasgulf Bell 206B 1.5 hrs @ \$300		450.00
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ROOM AND BOARD

7 man-days @ \$25		175.00
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ANALYSES

8 samples @ \$2.55		20.40
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Total		<u>\$1,664.57</u>
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STATEMENT OF EXPENDITURES
MONEY 77 GROUP (BEDROCK SURFACE SAMPLING)

SALARIES AND FRINGE BENEFITS - TEXASGULF, INC.

G.R. Peatfield, P.Eng. - Supervision		
June 15 1 day @ \$120	120.00	
J.R. Forsythe, Geologist - Interpretation		
Period June 15-20 2 1/2 days @ \$110	275.00	
S. Bartlett - Assistant		
Period June 15-20 1 day @ \$35	35.00	
	<u>430.00</u>	430.00

BEMA INDUSTRIES LTD

Bedrock surface geochemistry, June 15-17, July 6		
Drill and 2 man crew 38 hrs @ \$37.50		1,425.00

GROUND SUPPORT

Rental of all terrain vehicle 4 x \$700/30		93.33
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HELICOPTER SUPPORT

Texasgulf Bell 206B 2.8 hrs @ \$300		840.00
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ROOM AND BOARD

12 1/2 man-days @ \$25		312.50
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ANALYSES

42 samples @ \$2.55		107.10
	Total	<u>3,207.93</u>

STATEMENT OF EXPENDITURES
CHRIS 77, REGAN 77, MONEY 77 & KLUEA GROUPS
 (I.P. SURVEY-PHASE 1)

SALARIES AND FRINGE BENEFITS - TEXASGULF, INC.

C. Ravenhurst - Geophysicist			
Period June 15-24	9 days @ \$50.00	450.00	
S. Crudge - Geophysical Assistant			
Period June 15-24	9 days @ \$35.00	315.00	
R. Janowicz - Geophysical Helper			
Period June 15-24	7 days @ \$35.00	245.00	
P. Newton - Geophysical Helper			
Period June 15-24	8 days @ \$27.50	<u>220.00</u>	
		1,230.00	1,230.00

HELICOPTER SUPPORT

Texasgulf Bell 206B	5.0 hrs @ \$300		1,500.00
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ROOM AND BOARD

33 man-days @ \$25			825.00
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MISCELLANEOUS

Travel 2 x \$147	294.00		
Shipping	20.00		
Equipment rental	<u>200.00</u>		
	514.00		<u>514.00</u>

Total			<u><u>4,069.00</u></u>
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pro-rating:

Chris 77	28.4%	\$1,155.60
Regan 77	51.9%	2,111.80
Money 77	12.5%	508.63
Kluea	7.2%	<u>292.97</u>
		\$4,069.00

STATEMENT OF EXPENDITURES

REGAN 77 & CHRIS 77 GROUPS (LINE CUTTING)

BEMA INDUSTRIES LTD.

2 man line cutting crew, Period June 4-20
total of 207 man-hours @ \$8.75 1,811.25

R.J. Barclay - Manager - Supervision
5 days @ \$135 675.00

Equipment rental 330.00
2,816.26 2,816.26

HELICOPTER SUPPORT

Texasgulf Bell 206B 6 hrs @ \$300 1,800.00
Okanagan Bell 206B 2.4 hrs @ 288 691.20
2,491.20 2,491.20

ROOM AND BOARD

22 man-days @ \$25 675.00
Total 5,982.46

pro-rating:

REGAN 77 GROUP 55% 3,290.35
CHRIS 77 GROUP 45% 2,692.11
5,982.46

STATEMENT OF EXPENDITURES
CHRIS 77 & REGAN 77 GROUPS
 (I.P.SURVEY-PHASE 2)

SALARIES AND FRINGE BENEFITS - TEXASGULF, INC.

F. Glass - Geophysicist			
Period July 5-16	12 days @ \$60	720.00	
S. Crudge - Geophysical Assistant			
Period July 5-16	12 days @ \$35	420.00	
R. Janowicz - Geophysical Helper			
Period July 5-16	10 days @ \$35	350.00	
P. Newton - Geophysical Helper			
Period July 5-16	10 days @ \$27.50	275.00	
		<u>1,765.00</u>	1,765.00

HELICOPTER SUPPORT

Texasgulf Bell 206B	2.4 hrs @ \$300	720.00	
Okanagan Bell 206B	4.4 hrs @ \$288	1,267.20	
		<u>1,987.20</u>	1,987.20

ROOM AND BOARD

44 man-days @ \$25			1,100.00
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MISCELLANEOUS

Travel 3 x \$147.00	441.00	
Shipping	35.00	
Equipment Rental	250.00	
	<u>816.00</u>	

Total 5,578.20

pro-rating:

Chris 77	46.3%	\$2,582.70
Regan 77	53.7%	2,995.50
		<u>\$5,578.20</u>

STATEMENT OF EXPENDITURES

CHRIS 77 GROUP (BEDROCK SURFACE SAMPLING)

SALARIES AND FRINGE BENEFITS - TEXASGULF, INC.

G.R. Peatfield, P.Eng. - Supervision		
June 5 1 day @ \$120	120.00	
J.R. Forsythe, Geologist - Interpretation		
Period June 4-10 2 1/2 days @ \$110	275.00	
S. Bartlett - Assistant		
Period June 4-10 1 1/2 days @ \$35	52.50	
	<u>447.50</u>	447.50

BEMA INDUSTRIES LTD.

Bedrock surface geochemistry, June 4-14, July 3, 4		
Drill and 2 man crew 115.2 hrs @ \$37.50	4,320.00	
R.J. Barclay - Supervision		
2 days @ \$135	270.00	
drill equipment lost down hole	194.80	
	<u>4,784.80</u>	4,784.80

GROUND SUPPORT

Rental of all terrain vehicle 12 x \$700/30		280.00
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HELICOPTER SUPPORT

Texasgulf Bell 206B 2.5 hrs @ \$300	750.00	
Okanagan Bell 206B 2.2 hrs @ \$288	633.60	
	<u>1,383.60</u>	1,383.60

ROOM AND BOARD

31 man-days @ \$25		775.00
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ANALYSES

74 samples @ \$2.55		188.70
	Total	<u><u>7,859.60</u></u>

STATEMENT OF EXPENDITURES

REGAN 77 GROUP (BEDROCK SURFACE SAMPLING)

SALARIES AND FRINGE BENEFITS - TEXASGULF, INC.

G.R. Peatfield, P.Eng. - Supervision		
June 30	1/2 day @ \$120	60.00
J.R. Forsythe, Geologist - Interpretation		
Period July 1-6	1 1/2 days @ \$110	165.00
S. Bartlett - Assistant		
Period July 1-6	1 day @ \$35	35.00
		<u>260.00</u>
		260.00

BEMA INDUSTRIES LTD

Bedrock surface sampling, July 1,2,5		
Drill and 2 man crew 27.3 hrs @ \$37.50	1,023.75	
drill equipment lost down hole	449.60	
	<u>1,473.60</u>	1,473.60

GROUND SUPPORT

Rental of all terrain vehicle 3 x \$700/30		70.00
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HELICOPTER SUPPORT

Texasgulf 206B 2 hrs @ \$300		600.00
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ROOM AND BOARD

9 man-days @ \$25		225.00
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ANALYSES

13 samples @ \$2.55		33.15
	Total	<u><u>2,661.50</u></u>

APPENDIX C

STATEMENTS OF QUALIFICATION

STATEMENTS OF QUALIFICATION

Texasgulf Personnel

J.R. FORSYTHE - Project Geologist

J.R. Forsythe obtained his B.Sc. degree in Geology from the University of British Columbia in 1968. He has been continuously employed as a geologist, by Texasgulf Inc. since 1969 and has broad experience in porphyry copper exploration in B.C. and the Yukon Territory.

W.A. GASTEIGER - Geophysicist

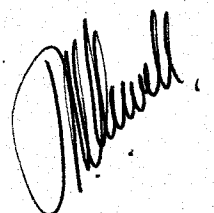
W.A. Gasteiger obtained his B.Sc. in Geological Science (Geophysics Option) from Queen's University. He has been continuously employed, as a geophysicist, by Texasgulf Inc. since graduation. Mr. Gasteiger is a member of the Association of Professional Engineers of the Province of Ontario.

F.S. GLASS - Geophysicist

F.S. Glass was employed by Texasgulf Inc. as a geophysical party chief during the Summer of 1977. He graduated from U.B.C. in 1971 with a B.Sc. degree in geophysics and geology and is presently attending McGill University, working towards an M.Sc. in mineral exploration.

During the summers while attending U.B.C. he worked for various mining companies, both as a geological and geophysical assistant. From 1971 to 1976 he was employed as senior geophysicist by Geoterrex Ltd., supervising and carrying out both ground and geophysical surveys.

Mr. Glass is a member of the Society of Exploration Geophysicists and the European Association of Exploration Geophysicists.

A handwritten signature in black ink, appearing to read "M. Glass", is located in the bottom right corner of the page.

C.E. RAVENHURST - Geophysicist

C.E. Ravenhurst was employed by Texasgulf Inc. as a geophysical party chief during the summer of 1977. He is presently enrolled at the University of Western Ontario and will be graduating in 1978 with a B.Sc. in geophysics.

His previous field experience was obtained with Texasgulf from May 1975 to September 1976, initially as an operator and subsequently as a party chief, carrying out magnetic, electro-magnetic and induced polarization surveys throughout Canada.

S.R. CRUDGE - Geophysical Assistant

S.R. Crudge was employed by Texasgulf Inc. as a geophysical assistant during the summer of 1977. He is presently enrolled at York University and will be graduating in 1978 with a B.Sc. degree in earth sciences.

This is Mr. Crudge's first season of field experience.

R. JANOWICZ - Geophysical Helper

Mr. Janowicz is a recent high school graduate with one year's course work in Sciences at Vancouver City College, and is contemplating transfer to the Geological Sciences programme at U.B.C. This was his first season of geologically related field experience.

P. NEWTON - Geophysical Helper

Mr. Newton is a recent high school graduate. Although he has a varied work experience, this was his first season of geologically related field experience.

S. BARTLETT - Field Assistant

Mr. Bartlett was most recently enrolled at Douglas College in New Westminster, and intends to transfer to the Geological Sciences Department at U.B.C. This was his second summer's work with Texasgulf, and he is well regarded by his supervisors.

Michael