

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO. 6010

6010

REPORT ON GEOLOGICAL AND PHYSICAL WORK

by

D.A. Donnelly, B.Sc.
&
G.R. Peatfield, P.Eng.

Work Completed During July 1976

on the

KIT Claim Group

situated on

Winter Creek, Telegraph Creek Area

in the

Liard Mining Division
(57° 55' N, 131° 25' W)
(NTS 104G/14W)

and owned by

Texasgulf Canada Ltd.

October 1976

Vancouver, B.C.

104 G / 14 W

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INTRODUCTION:

The Winter Creek property, in the Stikine River area of north-western B.C., consists of twenty-six claims (KIT 1-26) owned by Texasgulf Canada Ltd.

The property has had a long history of exploration dating back to 1916 when a discovery of copper-gold mineralization was made on the south-facing slope of the Winter Creek Valley. Since that time claims covering the area have been staked and restaked several times.

The present programme consisted of some thirty-seven metres of trenching and sampling for assay.

LOCATION, ACCESS & TERRAIN:

The Kit Group is located approximately 12 km. west of Telegraph Creek, B.C. at $57^{\circ}55'N$ lat. and $131^{\circ}25'W$ long. (See Fig. 1). It is accessible by foot along packtrails from Telegraph Creek, or by helicopter from Iskut, B.C., approximately 89 km. to the east on the Stewart-Cassiar highway.

The area of interest lies on the south face of an east-west trending ridge which is deeply incised by erosional gullies and characterized by precipitous topography that makes any work hazardous.

TRENCHING PROGRAMME:

A surface trenching programme was carried out in July, 1976. The trenching was done by drilling a series of short (75 cm.) holes with

Atlas Copco drill, charging the holes with 70% Forcite and setting the blast. The trenches were then sampled on a continuous channel basis.

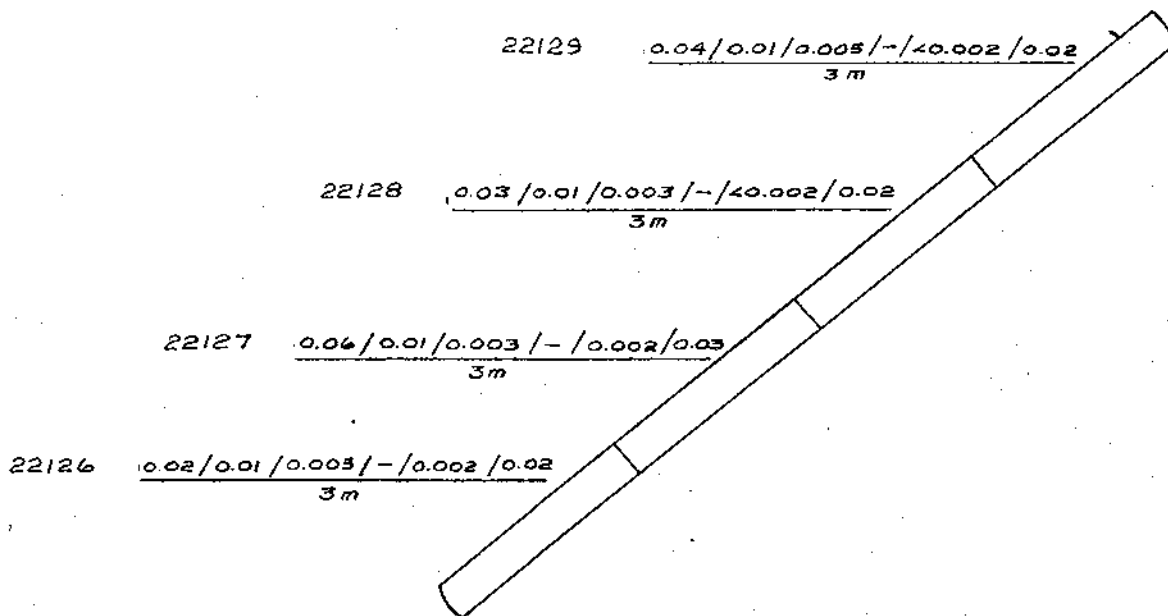
The trenching was undertaken under contract by Bear-X Geology & Exploration Services Ltd., who supplied a two-man crew headed by R. Barclay. Mapping and sampling were performed by D.A. Donnelly and assistant.

RESULTS:

Four trenches, aggregating a total length of thirty-seven metres, were excavated in three areas (See Fig. 2). A total of seventeen samples, including one grab sample, were taken and were analyzed for total and soluble copper, MoS_2 , gold and silver by Bondar-Clegg & Company Ltd. In addition, 2 samples were assayed for zinc. Assay data for all the trenches are given in detailed assay plans (See Figs. 3-5) and a copy of the Certificate of Assay may be found in Appendix 1.

Trench 1: Twelve metres total length with moderate to strong disseminated pyrite in massive andesite. Trace amounts of chalcopyrite.

Trench 2 and 2A: Six metres length in each trench with weak to moderate disseminated pyrite occurring in sheared augite porphyry andesite. Minor malachite stain on fracture surfaces and trace amounts of disseminated chalcopyrite.



LEGEND

Total Cu/Soluble Cu / MoS₂ / Zn / Au/Ag
3 metres

Indicates assay result from continuous channel over indicated width, Cu, MoS₂ and Zn values % Au and Ag values oz/ton

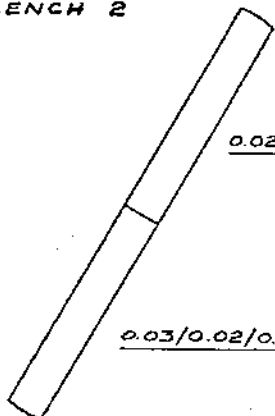
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Scale 1 cm = 1 m




Texasgulf Inc.		
Fig. 3 WINTER CREEK PROPERTY DETAILED ASSAY PLAN TRENCH I		
WORK BY	DRAWN BY	DATE
D.A. DONNELLY	E. ROGAN	SEPTEMBER, 1978

TRENCH 2

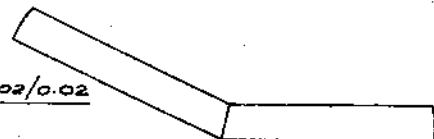


0.03/0.02/0.003/-/0.002/0.02 22130
3m

0.02/0.01/0.003/-/0.002/0.02 22131
3m

22132 0.03/0.02/0.003/-/0.002/0.02
3m

TRENCH 2A



22133 0.02/0.01/0.005/-/0.002/0.02
3m

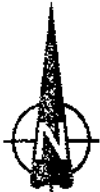
LEGEND

Total Cu/Soluble Cu/MoS₂/Zn/Au/Ag
3m

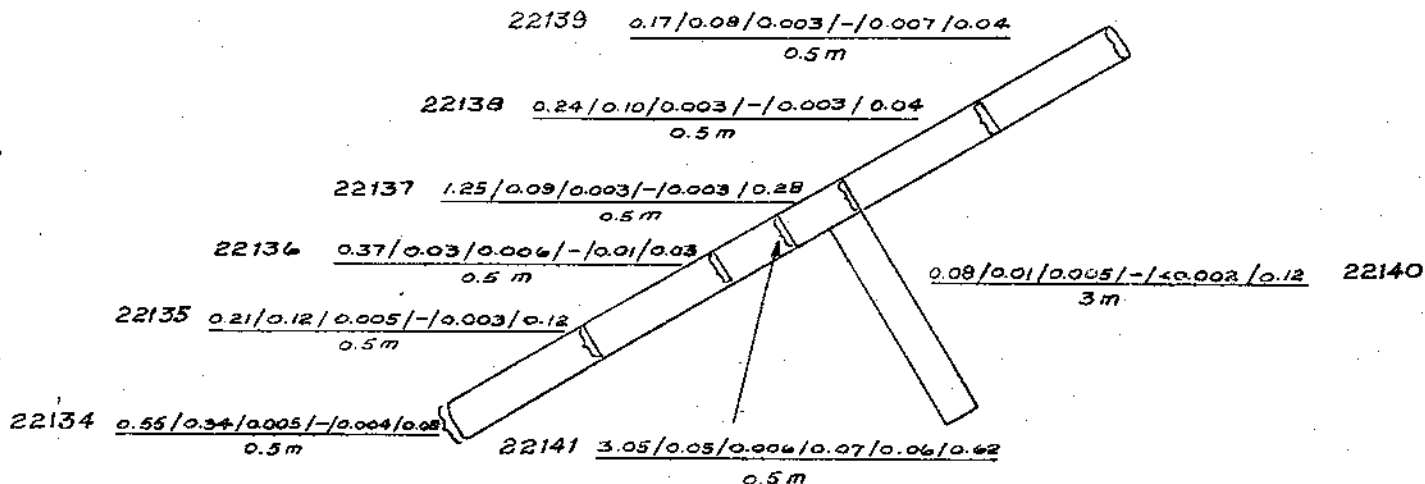
indicates assay result from continuous channel over indicated width, Cu, MoS₂ and Zn values %, Au and Ag values oz/ton

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Scale 1cm = 1m



Texasgulf Inc.		
Fig. 4		
WINTER CREEK PROPERTY		
DETAILED ASSAY PLAN		
TRENCH 2 & 2A		
WORK BY	DRAWN BY	DATE
D.A. DONNELLY	E. ROGAN	SEPTEMBER, 1976

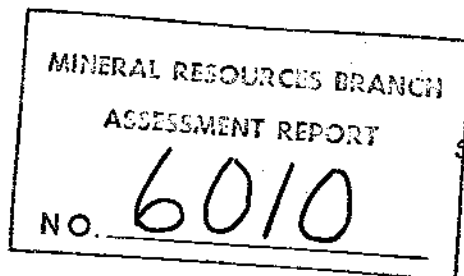


LEGEND

Total Cu/Soluble Cu/MoS₂/Zn/Au/Ag
0.5 metre

indicates assay result from continuous channel over indicated width. Cu, MoS₂ and Zn values %, Au and Ag values oz/ton

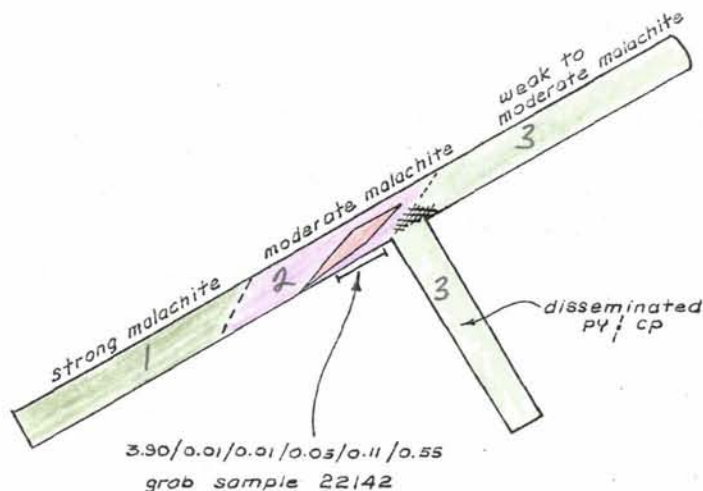
Note: Samples in long extension taken across trench width



Scale 1cm = 1m



Texasgulf Inc.		
Fig. 5 WINTER CREEK PROPERTY DETAILED ASSAY PLAN TRENCH 3		
WORK BY	DRAWN BY	DATE
D.A. DONNELLY	E. ROGAN	SEPTEMBER, 1976



LEGEND

- 3 3 feldspar porphyry andesite
- 2 2 augite porphyry andesite
- 1 1 massive andesite
- massive sulphides
- strong limonite

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Total Cu/Soluble Cu/MoS₂/Zn/Au/Ag
Cu, MoS₂, Zn values %
Au and Ag values oz ton

SCALE 1cm = 1m



Texasgulf Inc.		
Fig. 6 WINTER CREEK PROPERTY GEOLOGY TRENCH 3		
WORK BY	DRAWN BY	DATE
D.A. DONNELLY	E. ROGAN	SEPTEMBER, 1976

Trench 3: Thirteen metres aggregate length in a T-shaped trench. Rock type varies from augite porphyry andesite to feldspar porphyry andesite. Pyrite is ubiquitous as disseminations and on fracture surfaces. A small pod (2 m. long and 0.3 m. wide at its widest point) of massive chalcopyrite-pyrrhotite-pyrite occurs between 4 and 6 metres (See Fig. 6).

CONCLUSIONS:

The assay results are discouraging with the only interesting values occurring in Trench 3, with the massive sulphide mineralization. These results and the lack of lateral extent for the massive mineralization are not encouraging and, therefore, further work should not be accorded this claim group.


D.A. Donnelly, B.Sc.


G.R. Peatfield, P.Eng.

To: Texasgulf, Inc.REPORT No A26 - 391PAGE No. 1

BONDAR-CLEGG & COMPANY LTD.

DATE: July 23, 1976701 - 1281 West Georgia Street
Vancouver, B.C. V6E 3J7

CERTIFICATE OF ASSAY

Samples submitted: July 19, 1976
Results completed: July 23, 1976

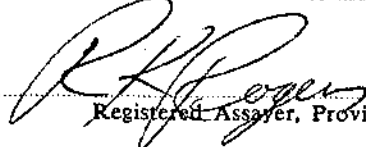
PROJECT: 08

I hereby certify that the following are the results of assays made by us upon the herein described ore samples.

MARKED	GOLD		SILVER	Cu	Cu*	MoS ₂	Zn				TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
22126	0.002		0.02	0.02	0.01	0.005	-				
22127	0.002		0.03	0.06	0.01	0.003	-				
22128	<0.002		0.02	0.03	0.01	0.003	-				
22129	<0.002		0.02	0.04	0.01	0.005	-				
22130	<0.002		0.02	0.03	0.02	0.003	-				
22131	0.002		0.02	0.02	0.01	0.003	-				
22132	<0.002		0.02	0.03	0.02	0.003	-				
22133	0.002		0.02	0.02	0.01	0.005	-				
22134	0.004		0.08	0.55	0.34	0.005	-				
22135	0.003		0.12	0.21	0.12	0.005	-				
22136	0.010		0.03	0.37	0.03	0.006	-				
22137	0.030		0.28	1.25	0.09	0.003	-				
22138	0.003		0.04	0.24	0.10	0.003	-				
22139	0.007		0.04	0.17	0.08	0.003	-				
22140	<0.002		0.12	0.08	0.01	0.005	-				
22141	0.060		0.62	3.05	0.05	0.006	0.07				
22142	0.11		0.55	3.90	0.01	0.010	0.05				

* non sulphide

cc Mr. D. Donnelly



Registered Assayer, Province of British Columbia

APPENDIX I
CERTIFICATE OF ASSAY

STATEMENTS OF QUALIFICATION

Texasgulf Personnel

D.A. Donnelly - Geologist

Doug Donnelly obtained his B.Sc. degree in Geology from the University of British Columbia in 1976. While attending university, he was employed in exploration during the summer field seasons by Texasgulf Inc. He was employed by Texasgulf Inc. in 1976 as an exploration geologist.

E.A. Schink - Geologist

Allan Schink obtained his B.Sc. degree in Geology from the University of British Columbia in 1974. While attending university, he was employed in exploration during the summer field seasons by Noranda Exploration Co. Ltd. and Hudson's Bay Oil & Gas Co. Ltd. After graduation, he was employed by Hudson's Bay Oil & Gas Co. Ltd. as a geologist for a period of six months, gaining experience in property mapping and regional exploration projects. He was employed by Texasgulf during the 1975 and 1976 field seasons and is currently enrolled in an M.Sc. degree programme at Queens University.

R. Edwards - Field Assistant

Robert Edwards is a high school student in Richmond, B.C. He has been employed by Texasgulf for the past two field seasons, and is regarded as a keen, capable field assistant.



STATEMENTS OF QUALIFICATIONS

Bear-X Personnel

R. Barclay

Richard Barclay is manager of Bear-X Geology & Exploration Services Ltd., where his work includes surveys of a geophysical and geochemical nature. Mr. Barclay is considered an experienced and competent powderman.

I. Johnson

Ian Johnson is presently enrolled in the Faculty of Arts at the University of Victoria. Mr. Johnson was employed by Bear-X during the 1976 field season, where his work included linecutting, trenching and soil sampling. He is regarded as experienced and competent in these areas.

A handwritten signature in black ink, appearing to be 'I. Johnson', located in the bottom right corner of the page.

APPENDIX III
STATEMENT OF EXPENDITURE

STATEMENT OF EXPENDITURES

Salaries & Fringe Benefits

Texasgulf, Inc.

J. M. Newell, P. Eng. - Supervision 1/2 day @ \$140.00	\$ 70.00	
G. R. Peatfield, P. Eng. - Supervision 1-1/2 days @ \$110.00	165.00	
E. A. Schinck - Geologist 1/2 day @ \$52.50	26.25	
D. A. Donnelly - Geologist 8-1/2 days @ \$45.00	382.50	
R. Edwards - Student assistant 8 days @ \$26.00	208.00	

Bear-X Geology & Exploration Services

R. J. Barclay - Manager (trenching) 8-1/2 days @ \$85.00	722.50	
I. Johnson - assistant 7-1/2 days @ \$64.00	<u>480.00</u>	
	\$2,054.25	\$2,054.25

Camp Expenses

35 man-days @ \$25.00		875.00
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Helicopter Support

Texasgulf Bell 206-B; 9.5 hours @ \$300.00		2,850.00
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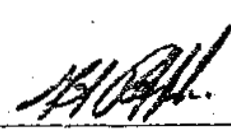
Analytical Costs

15 assays @ \$27.00	405.00	
2 assays @ \$32.50	<u>65.00</u>	
	\$470.00	470.00

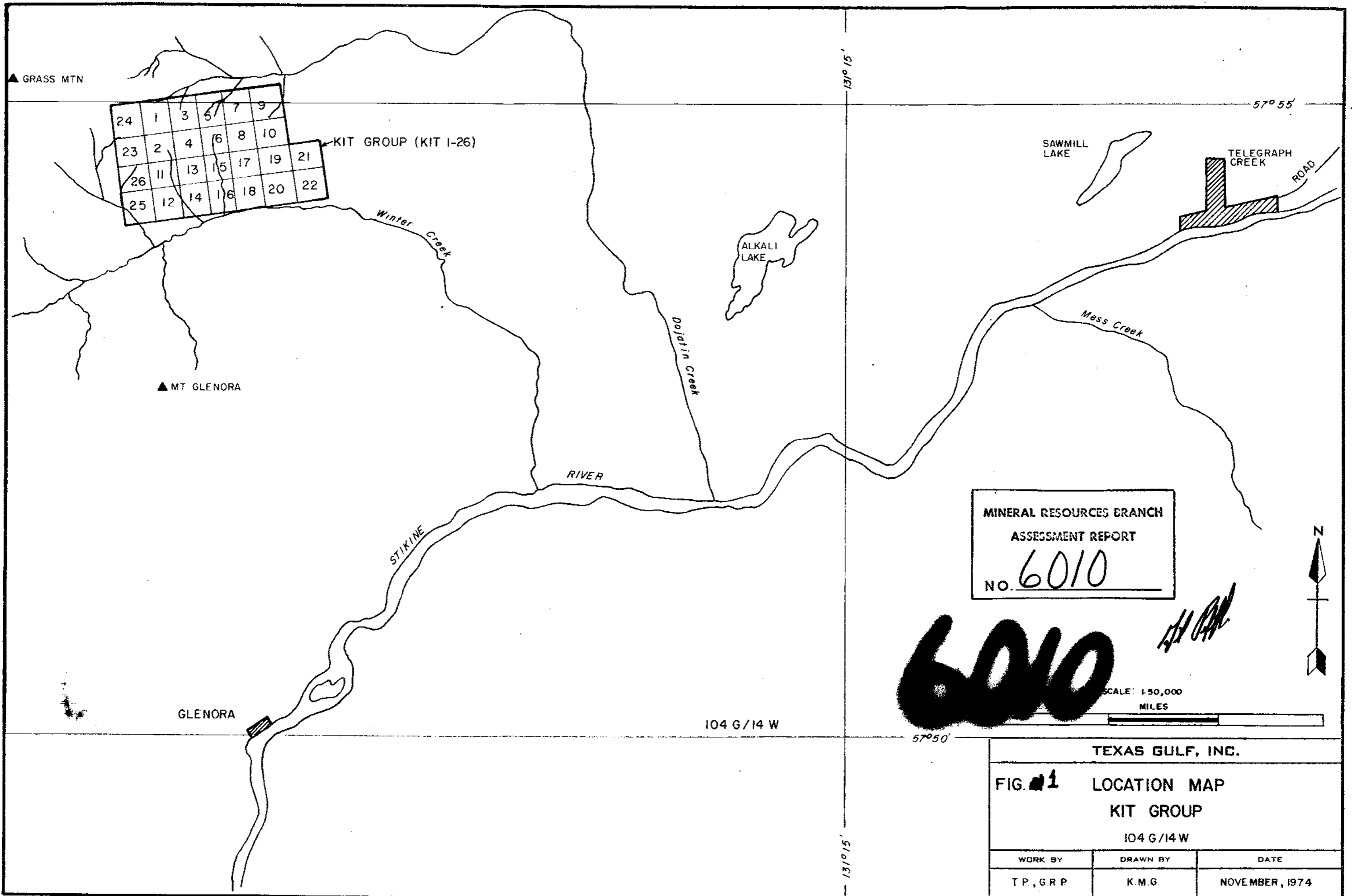
Travel, Shipping, Etc.

Travel	125.00	
Shipping	100.00	
Auto	200.00	
Equipment Rental	100.00	
Communications	25.00	
Miscellaneous Supplies	<u>100.00</u>	
	\$650.00	<u>650.00</u>

TOTAL - \$6,899.25


G. R. Peatfield, P. Eng.

APPENDIX II
STATEMENTS OF QUALIFICATIONS



24	1	3	5	7	9
23	2	4	6	8	10
26	11	13	15	17	19
25	12	14	16	18	20
					22
					21

KIT GROUP (KIT I-26)

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SCALE: 1:50,000
 MILES

TEXAS GULF, INC.		
FIG. #1 LOCATION MAP		
KIT GROUP		
104 G/14 W		
WORK BY	DRAWN BY	DATE
T.P., G.R.P.	K.M.G.	NOVEMBER, 1974



TO ACCOMPANY
 REPORT ON GEOLOGICAL AND PHYSICAL WORK
 KIT GROUP
 WINTER CREEK - LIARD M.D.
 by
 D.A. DONNELLY & G.R. PEATFIELD

This map is at a non-metric scale, since it is intended solely as a location map. The geological work depicted has been filed in a previous report.

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 MAP NO. **1**

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SCALE: ONE INCH = 400 FT

LEGEND		
S	Syenite	△ Rock Geochron Station.
M	Monzonite	x ^m Malachite
RT/DT	Rhyolitic / Dacitic Tuff	py Pyrite
ap/fp	augite / feldspar Porphyry Hybrid.	○ Limit of Gosson
QC	Quartz - Carbonate rock	● Trenched Areas
	○ Outcrop Pattern	
	— Contact	
	— Fault	
	— Shear	
	— Bedding	
	— Jointing	
	X 5812 Elevation	

Texasgulf inc.

FIG. 2. Geological Map

KIT GROUP

104 G/14 W

WORK BY	DATE	SCALE	MAP NO.
TP, GRP	K.M.M.	JANUARY, 1975	