

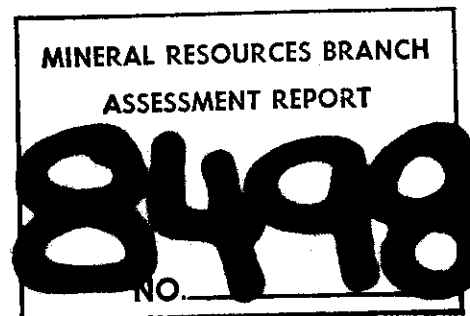
REPORT ON  
DIAMOND DRILLING  
by  
G.R. Peatfield, P.Eng.  
on the  
GOAT HIDE M.C.  
(part of the GOAT-80 Group)

Situated west of Kinaskan Lake  
in the Liard Mining Division

57°49'N, 130°15'W  
NTS 104G/9E & W

owned by  
TEXASGULF CANADA LTD.

work by  
TEXASGULF INC.



October, 1980

Vancouver, B.C.

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## INTRODUCTION

### Location, Access and Terrain

The GOAT-80 Group of mineral claims is located on the southern extremity of the Klastline Plateau, west of Kinaskan Lake in northwestern British Columbia (see Figure 1). The most convenient supply and transportation centre is Terrace, some 360 km to the south.

Access to the claims is presently by helicopter from the Stewart-Cassiar highway. There is regular scheduled air service (in summer) from Terrace to Iskut (or Eddontenajon), about 25 km to the northeast of the claims. Food, lodging and rudimentary services are available at various points along the highway along Eddontenajon Lake. Float equipped fixed-wing aircraft can land on Eddontenajon Lake or Kinaskan Lake, where the base-camp for this programme was located (see Figure 2). There is a rough tote-road from the west shore of Kinaskan Lake to the claims, but it was not used because a barge formerly used to transport equipment across the lake was not functional this season.

The claims are located on the extreme southern end of the Klastline Plateau, and cover a gently sloping alpine plateau. Maximum elevations are of the order of 1700 m, and on property relief about 340 m. Essentially all the property lies above timberline, with only scattered scrub trees at lower levels on the western slopes of the claims. Water on the property is sufficient for diamond drilling programmes.

### Property History and Definition

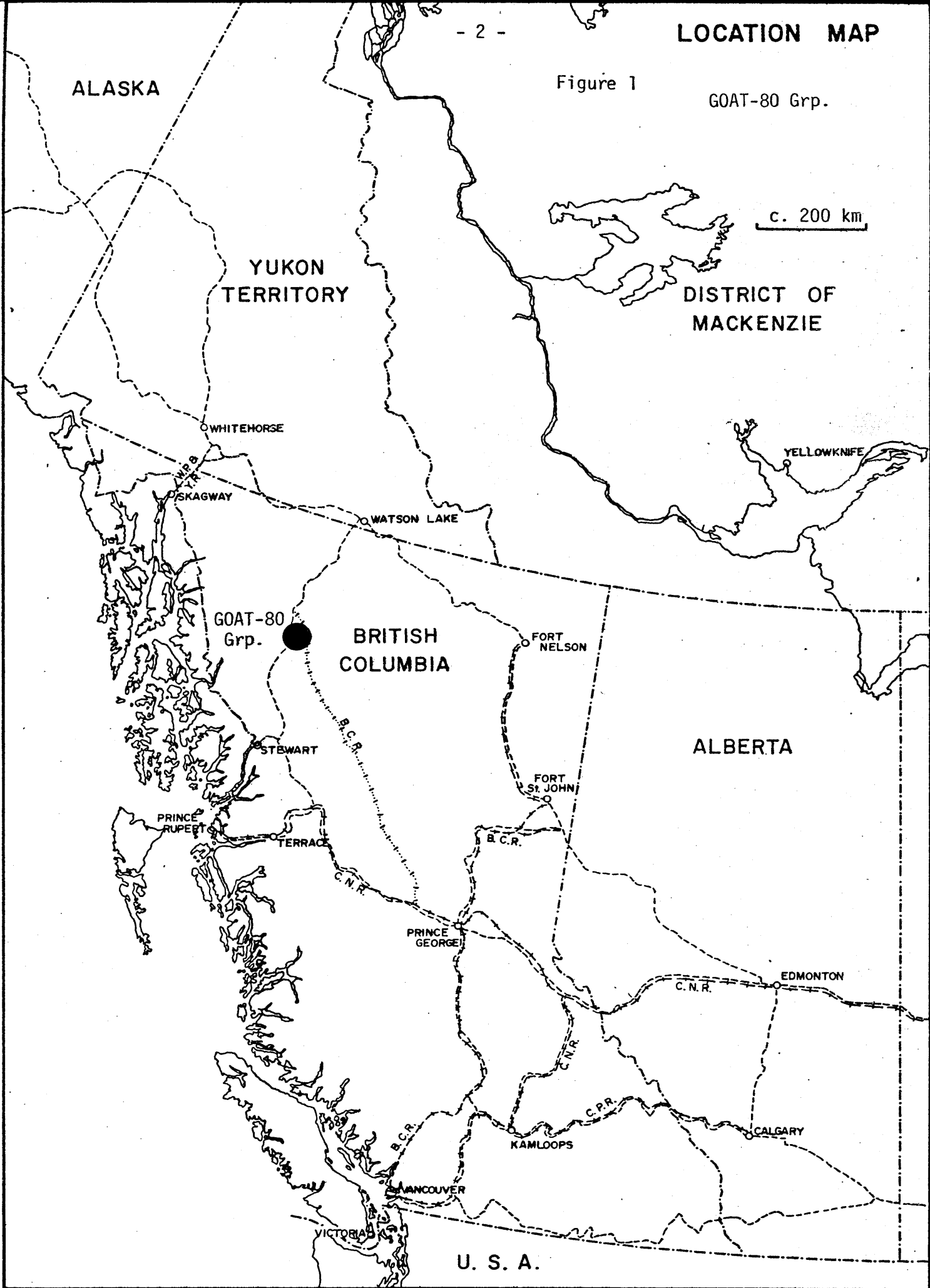
The presently held mineral claims cover most of the area previously covered by the GJ property, originally staked by Conwest Exploration Co. Ltd. and subsequently held by Amoco Canada Petroleum Co. Ltd. When the last of the original claims were forfeited, in October 1975, four claims totalling 49 units were staked on behalf of Texasgulf Canada. The 12 unit GJ claim was

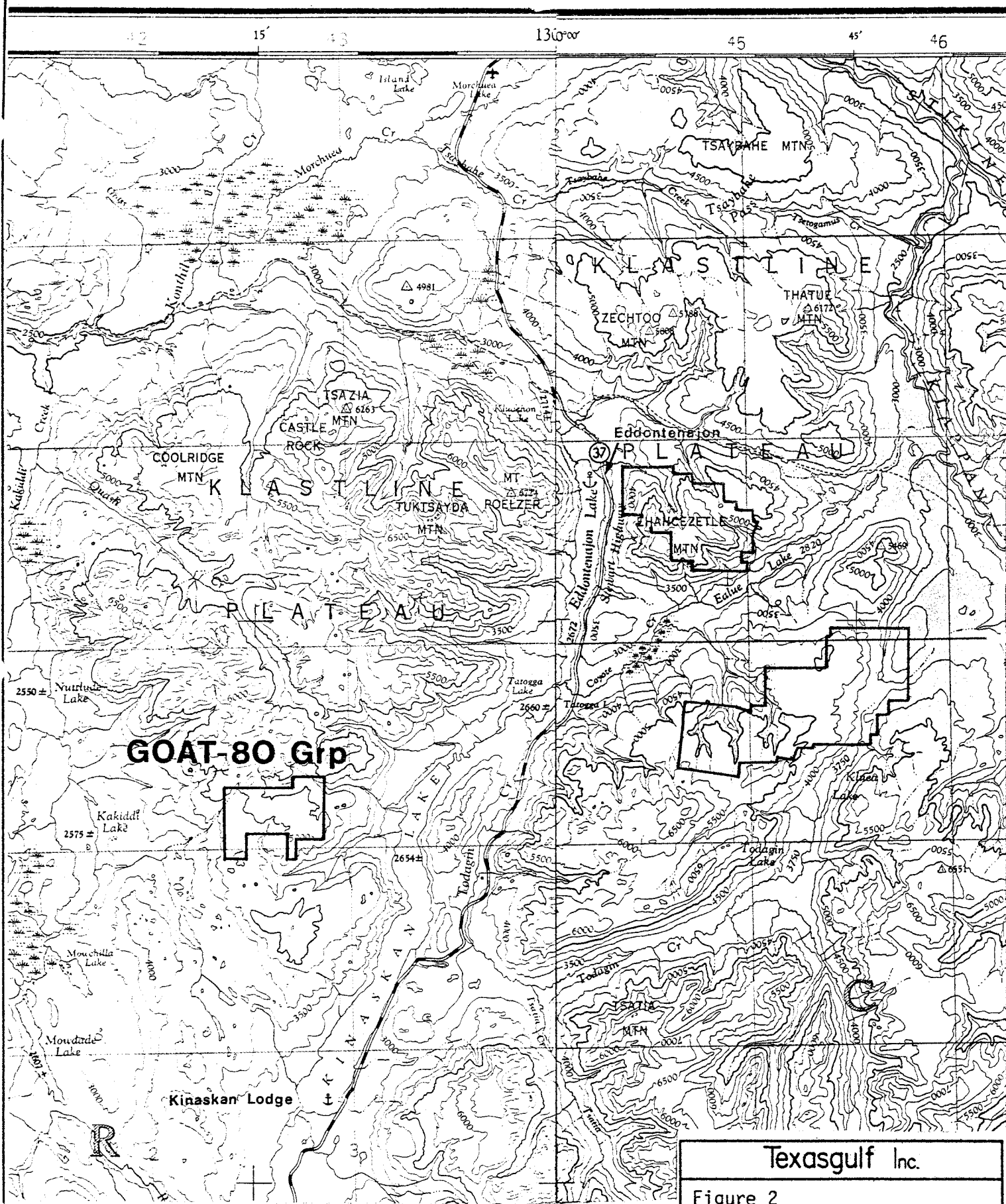
# LOCATION MAP

Figure 1

GOAT-80 Grp.

c. 200 km





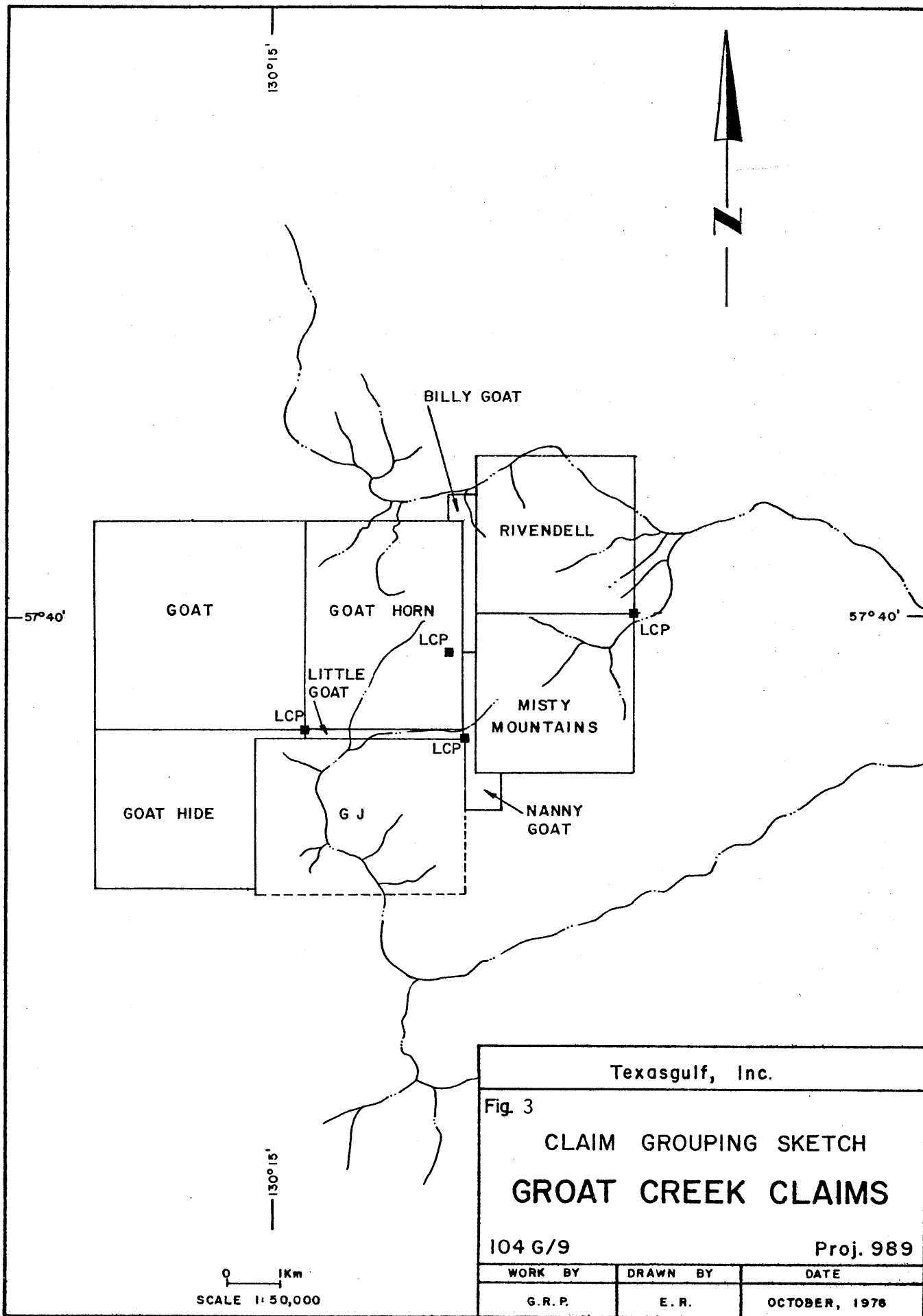
Map Sheets: 104G - Telegraph Creek  
 104H - Spatsizi  
 (scale 1:250,000)

Texasgulf Inc.

Figure 2  
 Detailed Location Map  
 GOAT-80 Grp.

| WORK BY | DRAWN BY | DATE | DRW.S. NO. |
|---------|----------|------|------------|
| 2500    | 0        |      | 10,000     |

Scale in Metres



|   |          |               |
|---|----------|---------------|
| Texasgulf, Inc.                                       |          |               |
| Fig. 3<br>CLAIM GROUPING SKETCH<br>GROAT CREEK CLAIMS |          |               |
| 104 G/9   |          | Proj. 989     |
| WORK BY   | DRAWN BY | DATE          |
| G. R. P.  | E. R.    | OCTOBER, 1978 |

staked several days earlier, by rival interests. This claim, which is still held by its locators, covers the original GJ showing. Additional staking by Texasgulf, in 1976, increased the size of the property substantially. The present property is shown on Figure 3.

Work on the property has been completed by Texasgulf Inc., on behalf of its wholly owned subsidiary, Texasgulf Canada Ltd., the registered owner of the claims. Investigations undertaken to date have been previously reported on (Donnelly, et al., 1976; Forsythe, et al., 1977), or made public (Schmitt, 1977).

#### Summary of Work Completed

##### Diamond drilling

During the period July 28 to Aug 22, 1980, a total of 5 BQ diamond drill holes, totalling 1,114.9 m, were completed on the property. All cores were assayed for Cu and Au.

##### Work distribution

The work described in this report was restricted to the GOAT HIDE mineral claim (see Figure 4). Hole G-11-80 was a deepening of a previously completed hole.

#### GEOLOGY

The geology of the property has been previously described (Donnelly, et al., 1976; Forsythe, et al., 1977). The diamond drill hole locations are shown on a geological map (Figure 4). It is important to note that there is very little outcrop in this portion of the property, and the geology is based on projected drill hole data, and on the results of a bedrock surface sampling campaign completed in 1977.



## DIAMOND DRILLING

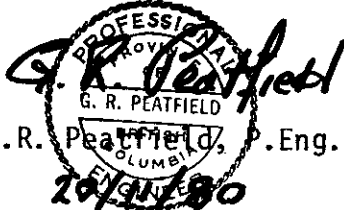
This report concerns the results of a diamond drilling programme undertaken during 1980. Five BQ holes were completed, as follows:

|         |             |                         |
|---------|-------------|-------------------------|
| G-11-80 | (360°/-45°) | 149.9 m (deepen G-4-77) |
| G-12-80 | (360°/-45°) | 215.2 m                 |
| G-13-80 | (360°/-45°) | 239.3 m                 |
| G-14-80 | (360°/-45°) | 231.6 m                 |
| G-15-80 | (360°/-45°) | 278.9 m                 |

Survey data for these holes are included with the summary logs (Appendix A), and assays and geochemical values are tabulated in Appendix B. The core is stored on the property.

The holes were drilled in an attempt to extend and define a zone of copper-gold mineralization encountered during 1977, in hole G-4-77.

The results of this drilling, as shown in the logs and assay summaries, were somewhat disappointing. Very little mineralization comparable to the 1977 intersection was encountered. For the most part, values are definitely sub-ore grade. Further drilling cannot be recommended on the basis of this year's work.

  
G.R. Peatfield, P.Eng.  
20/11/80

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DONNELLY, D.A., PEATFIELD, G.R., and GASTEIGER, W.A. 1976. Report on geological and geophysical surveys & supporting work on the Groat Creek Claims (Canyon, Gully & Plateau Groups). Report submitted to the British Columbia Department of Mines and Petroleum Resources for assessment work credit.

FORSYTHE, J.R., PEATFIELD, G.R., GASTEIGER, W.A., and DONNELLY, D.A. 1977. Report on geochemical and geophysical surveys, diamond drilling and supporting work on the Groat Creek Claims (Canyon, Gully & Plateau Groups). Report submitted to the British Columbia Ministry of Mines and Petroleum Resources for assessment work credit.

SCHMITT, H.R. 1977. A Triassic-Jurassic granodiorite monzodiorite pluton south-east of Telegraph Creek, B.C. Unpublished B.Sc. thesis, University of British Columbia, Vancouver, 91 pp.

APPENDIX A

Summary Drill Logs

|   |        |   |  |                                      |  |
|---|--------|---|--|--------------------------------------|--|
| PROPERTY: GROAT CREEK                       |        | <h1>TEXASGULF INC.</h1> <h2>DRILL HOLE LOG</h2>                     |  | HOLE NO.<br>G-11-80                  |  |
| LOCATION (grid) 9,820N; 10,000E             |        |   |  |                                      |  |
| LOCATION (survey)                           |        |   |  | CLAIM: GOAT HIDE                     |  |
| AZIM: 360° ELEV:                  DIP: -45° |        |   |  | SECTION: 10,000E                     |  |
| DEPTH: 328.5m      CORE SIZE: B.Q.          |        |   |  | LOGGED BY: H.R. Schmitt; R.E. Meyers |  |
| STARTED: August 3, 1980                     |        |   |  | DATE LOGGED: Aug 9-14, 1980          |  |
| COMPLETED: August 10, 1980                  |        | DRILLING CO.: Longyear Canada                                       |  |                                      |  |
| CORE RECOVERY:      excellent               |        |   |  |                                      |  |
|   |        | DIP TEST  |  |                                      |  |
|   |        | DEPTH   | AZIM   | DIP                                  |  |
|   |        | 328 m   | 354°   | -44°                                 |  |
|   |        |   |  |                                      |  |
|   |        | DESCRIPTION   |  |                                      |  |
| DEPTH                                       |        |   |  |                                      |  |
| FROM  | TO     |   |  |                                      |  |
|   |        | Note: This is a deepening of DDH-4-G-77, which bottomed at 178.6 m. |  |                                      |  |
| 178.6                                       | 202.0m | excellent   | Strongly altered and quartz veined augite feldspar porphyry (augite basalt?).<br>Alteration is dominantly chlorite, with local sericite and strong development of hematite after locally abundant magnetite. Chalcopyrite occurs in quartz veins, on fractures, and as local disseminations. Pyrite is not abundant. |                                      |  |
| 202.0                                       | 203.0m | excellent   | Dyke of pinkish hornblende feldspar porphyry with sparse biotite, and has sericite alteration, quartz veining and some disseminated chalcopyrite.  |                                      |  |
| 203.0                                       | 213.5m | excellent   | Augite bearing porphyry (basalt?) with weak to moderate carbonate veining but only rare quartz veins and only weak chalcopyrite and pyrite mineralization. Strong fault from 209.0 to 209.5m, and breccia zone from 212.0 to 213.5 m.  |                                      |  |
| 213.5                                       | 217.0m | excellent   | Dyke of sericitic pink feldspar porphyry, with essentially no veining and very weak chalcopyrite mineralization. Magnetite is common.  |                                      |  |
|   |        |   |  |                                      |  |
|   |        |   |  |                                      |  |

| DEPTH |        | REC'Y     | DESCRIPTION  |
|-------|--------|-----------|--|
| FROM  | TO     |           |  |
| 217.0 | 229.7m | excellent | Dark green chloritic augite feldspar porphyry (basalt?) with local shearing, moderate carbonate veining, and some pyrite but only very sparse chalcopyrite. Magnetite is common.   |
| 229.7 | 238.0m | excellent | Dyke of sericitic pink hornblende feldspar porphyry, with weak quartz and carbonate veining, strong magnetite with lesser pyrite and chalcopyrite mineralization.  |
| 238.0 | 241.6m | excellent | Augite porphyry with weak carbonate veining and local brecciation. Some magnetite but only sparse sulphides.   |
| 241.6 | 243.6m | excellent | Dyke, as above with some veining and low sulphide content.   |
| 243.6 | 247.0m | excellent | Finely banded sedimentary rock, probably a tuffaceous rock with graded beds, derived from volcanics.   |
| 247.0 | 259.6m | excellent | Augite porphyry (andesite or basalt), with chloritic alteration. Locally brecciated, and with short interflow sediment sections. A few carbonate veinlets, some pyrite and very rare chalcopyrite.   |
| 259.6 | 263.7m | excellent | Tuffs and volcanoclastic sediments, varying from fine to coarse grained. Weak disseminated pyrite. Locally, there is moderate to strong sericite alteration.   |
| 263.7 | 314.0m | excellent | Long section of augite porphyry (volcanic), with local sections of breccia. Some portions of the core have moderate to intense carbonate veining, with rare quartz stringers. Weak pyrite and traces of chalcopyrite. In zones where there is strong |



|                                      |           |   |   |                               |      |     |       |      |      |  |  |  |                 |  |
|--------------------------------------|-----------|---|---|-------------------------------|------|-----|-------|------|------|--|--|--|-----------------|--|
| PROPERTY: GROAT CREEK                |           | <b>TEXASGULF INC.</b><br><b>DRILL HOLE LOG</b>  |   | HOLE NO.<br>G-12-80           |      |     |       |      |      |  |  |  |                 |  |
| LOCATION(grid) 9,820N; 9940E         |           |   |   |                               |      |     |       |      |      |  |  |  |                 |  |
| LOCATION(survey)                     |           |   |   |                               |      |     |       |      |      |  |  |  |                 |  |
| AZIM: 360° ELEV:           DIP: -45° |           |   |   |                               |      |     |       |      |      |  |  |  |                 |  |
| DEPTH: 215.2m   CORE SIZE: B.O.      |           | <b>DIP TEST</b>   |   | CLAIM: GOAT HIDE              |      |     |       |      |      |  |  |  |                 |  |
| STARTED: August 11, 1980             |           | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 30%;">DEPTH</td> <td style="width: 30%;">AZIM</td> <td style="width: 30%;">DIP</td> </tr> <tr> <td style="text-align: center;">215 m</td> <td style="text-align: center;">358°</td> <td style="text-align: center;">-45°</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> |   | DEPTH                         | AZIM | DIP | 215 m | 358° | -45° |  |  |  | SECTION: 9,940E |  |
| DEPTH                                | AZIM      |   |   | DIP                           |      |     |       |      |      |  |  |  |                 |  |
| 215 m                                | 358°      |   |   | -45°                          |      |     |       |      |      |  |  |  |                 |  |
|                                      |           |   |   |                               |      |     |       |      |      |  |  |  |                 |  |
| COMPLETED: August 12, 1980           |           | LOGGED BY: R.E. Meyers  |   | DATE LOGGED: Aug 14-19, 1980  |      |     |       |      |      |  |  |  |                 |  |
| CORE RECOVERY: excellent             |           |   |   | DRILLING CO.: Longyear Canada |      |     |       |      |      |  |  |  |                 |  |
| <b>DEPTH</b>                         |           | <b>REC'Y</b>  | <b>DESCRIPTION</b>  |                               |      |     |       |      |      |  |  |  |                 |  |
| <b>FROM</b>                          | <b>TO</b> |   |   |                               |      |     |       |      |      |  |  |  |                 |  |
| 0                                    | 5.8m      |   | Casing.   |                               |      |     |       |      |      |  |  |  |                 |  |
| 5.8                                  | 82.0m     | excellent   | Hornblende feldspar porphyry, considered to be intrusive. The rock is fine to medium grained and generally grey to grey-green with some pinkish hematite stained sections. Several short sections of brecciation and shearing occur throughout this interval. From 16.0-19.0 m, there is strong quartz and carbonate veining with some pyrite and rare chalcopyrite. Throughout the rest of the interval, carbonate and quartz veining is weak to moderate with pyrite and rare chalcopyrite. |                               |      |     |       |      |      |  |  |  |                 |  |
| 82.0                                 | 85.0m     | excellent   | Fault zone.   |                               |      |     |       |      |      |  |  |  |                 |  |
| 85.0                                 | 98.8m     | excellent   | Dark green chloritic augite porphyry (volcanic), with pyrite both disseminated and in quartz-carbonate veinlets.  |                               |      |     |       |      |      |  |  |  |                 |  |
| 98.9                                 | 99.6m     | excellent   | Hornblende feldspar porphyry - medium grained, pink, hematite stained intrusive rock.   |                               |      |     |       |      |      |  |  |  |                 |  |
| 100.4                                | 116.6m    | excellent   | Hornblende feldspar porphyry - medium grained strongly sericitized light grey-green intrusive. Weak pyrite mineralization but negligible chalcopyrite. Section ends on  |                               |      |     |       |      |      |  |  |  |                 |  |

## TEXASGULF INC.

## DRILL HOLE LOG

HOLE NO.  
G-12-80PAGE NO.  
2

| DEPTH |        | REC'Y     | DESCRIPTION   |
|-------|--------|-----------|---|
| FROM  | TO     |           |   |
| 100.4 | 116.6m | excellent | a small fault.  |
| 116.6 | 126.9m | excellent | Mixed section, composed of one to three metre sections of both of the above rock types.   |
| 126.9 | 183.5m | excellent | Augite porphyry - dark green chloritic volcanic rock, composed of sections several metres thick of massive rocks with narrow breccia zones between which may represent flow contacts. Throughout this section there is weak to moderate carbonate and quartz-carbonate veining. Sericitic alteration is associated with breccia zones and larger quartz veins. Pyrite content is moderate, but chalcopyrite is sparse and variable. Hematite is common, especially in or near carbonate veinlets. |
| 183.5 | 193.0m | excellent | A short fault section (about 30 cm) is followed by a section of augite porphyry with strong carbonate and quartz-carbonate veining, moderate to strong sericitic alteration, and in excess of 5% pyrite. Chalcopyrite is, however sparse.   |
| 193.0 | 203.0m | excellent | Partly silicified fault breccia, with abundant cherty fragments, a few andesitic fragments, and abundant disseminated pyrite. The final 50 cm is in effect a brecciated andesite.   |
| 203.0 | 207.8m | excellent | Augite porphyry-volcanic rock with local fragmental sections. The rock has been sericitically altered and then cut by a strong stockwork of fine quartz-carbonate stringers, with weak pyrite mineralization.   |
| 207.8 | 210.0m | excellent | Hornblende feldspar porphyry-strongly altered and hematite stained intrusive rock.  |





|                                      |       |   |   |                               |      |     |      |   |        |                               |  |
|--------------------------------------|-------|---|---|-------------------------------|------|-----|------|---|--------|-------------------------------|--|
| PROPERTY: GROAT CREEK                |       | <b>TEXASGULF INC.</b><br><b>DRILL HOLE LOG</b>  |   | HOLE NO.<br>G-13-80           |      |     |      |   |        |                               |  |
| LOCATION(grid) 9,880N; 10,000E       |       |   |   | CLAIM: GOAT HIDE              |      |     |      |   |        |                               |  |
| LOCATION(survey)                     |       |   |   | SECTION: 10.000E              |      |     |      |   |        |                               |  |
| AZIM: 360° ELEV:           DIP: -45° |       |   |   | LOGGED BY: R.E. Meyers        |      |     |      |   |        |                               |  |
| DEPTH: 239.3m      CORE SIZE: BQ     |       | DIP TEST  |   | DATE LOGGED: Aug. 20-24, 1980 |      |     |      |   |        |                               |  |
| STARTED: Aug 12, 1980                |       | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>DEPTH</td> <td>AZIM</td> <td>DIP</td> </tr> <tr> <td>239m</td> <td>?</td> <td>-45.5°</td> </tr> </table> |   | DEPTH                         | AZIM | DIP | 239m | ? | -45.5° | DRILLING CO.: Longyear Canada |  |
| DEPTH                                | AZIM  |   |   | DIP                           |      |     |      |   |        |                               |  |
| 239m                                 | ?     | -45.5°  |   |                               |      |     |      |   |        |                               |  |
| COMPLETED: Aug 13, 1980              |       |   |   |                               |      |     |      |   |        |                               |  |
| CORE RECOVERY: excellent             |       |   |   |                               |      |     |      |   |        |                               |  |
| DEPTH                                |       | REC'Y   | DESCRIPTION   |                               |      |     |      |   |        |                               |  |
| FROM                                 | TO    |   |   |                               |      |     |      |   |        |                               |  |
| 0                                    | 6.1m  |   | Casing  |                               |      |     |      |   |        |                               |  |
| 6.1                                  | 7.7m  | poor  | Augite porphyry - fragments.  |                               |      |     |      |   |        |                               |  |
| 7.7                                  | 8.3m  | poor  | Hornblende feldspar porphyry - medium grained, bleached and oxidized.   |                               |      |     |      |   |        |                               |  |
| 8.3                                  | 10.0m | good  | Augite porphyry - strongly sericitized, light grey-green volcanic rocks with abundant fine disseminated pyrite.   |                               |      |     |      |   |        |                               |  |
| 10.0                                 | 11.7m | good  | Strongly sericitized fault gouge.   |                               |      |     |      |   |        |                               |  |
| 11.7                                 | 26.6m | excellent   | Hornblende feldspar porphyry - intrusive rocks showing variable alteration phases, dominantly grey-green sericitic and a dark pink hematitic staining (with carbonate alteration?). There is abundant fine disseminated pyrite throughout, but only negligible chalcopyrite. Veining varies from moderate to intense, and comprises both quartz and quartz-carbonate. |                               |      |     |      |   |        |                               |  |
|                                      |       |   |   |                               |      |     |      |   |        |                               |  |
|                                      |       |   |   |                               |      |     |      |   |        |                               |  |

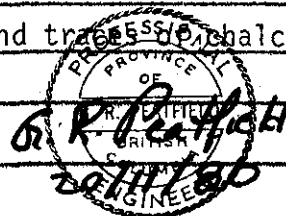
TEXASGULF INC.

## DRILL HOLE LOG

HOLE NO.  
G-13-80PAGE NO.  
2

| DEPTH |        | REC'Y     | DESCRIPTION   |
|-------|--------|-----------|---|
| FROM  | TO     |           |   |
| 26.6  | 35.0m  | excellent | Augite porphyry - dark green chloritic andesite or basalt, with strong veining with very fine carbonate-pyrite stringers. Pyrite content exceeds 5%. In some sections, the rock shows a mottled texture caused by sericite-pyrite-hematite alteration.  |
| 35.0  | 113.1m | excellent | Augite porphyry - as above but with much weaker veining and less pyrite. The general impression is of a series of flows with thin interflow breccias. Alteration is somewhat variable, but in general, there is more sericitic alteration in breccia zones and small faults. Chalcopyrite is sparse throughout, magnetite common. |
| 113.1 | 113.5m | excellent | Breccia - fragments of cherty chloritic sericitic tuff. The section has about 20% pyrite with significant chalcopyrite and sphalerite.  |
| 113.5 | 121.1m | excellent | Augite porphyry - volcanic rocks as above the breccia.  |
| 121.1 | 122.0m | excellent | Breccia - as above.   |
| 122.0 | 131.6m | excellent | Augite porphyry - chloritic and sericitic alteration of volcanic rocks, with moderate to strong quartz and quartz-carbonate veining, some pyrite and traces of chalcopyrite, local sphalerite.  |
| 131.6 | 133.6m | excellent | Sill or dyke of andesitic intrusive.  |
| 133.6 | 150.0m | excellent | Augite porphyry - fine to medium grained, variably porphyritic augite porphyry volcanic, with weak to moderate quartz and quartz-carbonate veins carrying pyrite and traces of chalcopyrite.  |

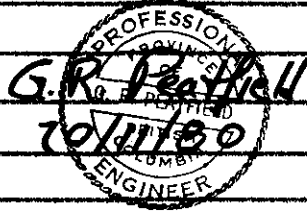
| DEPTH |        | REC'Y     | DESCRIPTION   |
|-------|--------|-----------|---|
| FROM  | TO     |           |   |
| 150.0 | 152.5m | excellent | Diorite or andesite dyke- massive medium to dark green andesitic intrusive, with some quartz veining and pyrite and chalcopyrite. The section ends on a small fault.  |
| 152.5 | 156.0m | excellent | Augite porphyry - strongly altered and veined volcanic rocks, locally brecciated, and carrying pyrite, with lesser amounts of arsenopyrite, sphalerite. Section ends on a small fault.  |
| 156.0 | 170.8m | excellent | Hornblende feldspar porphyry - strongly sericitized intrusive rock, sheared and brecciated but with only weak veining and traces of pyrite, chalcopyrite. Pyrite content increases with depth.  |
| 170.8 | 210.0m | excellent | Augite porphyry - dominantly porphyritic volcanic rocks with short sections of tuffaceous sediments, probably interflow. Most of the rock is strongly fractured or brecciated with varying degrees of sericitic alteration. Veining (quartz and quartz-carbonate) is variable from weak to moderate. Pyrite is common throughout and there are traces of chalcopyrite. Both veining and sulphide content increase with depth. |
| 210.0 | 212.0m | excellent | Breccia - intensely veined breccia (volcanic fragments) with strong pyrite and lesser chalcopyrite.   |
| 212.0 | 239.3m | excellent | Augite porphyry - altered and veined volcanic rocks essentially as above the breccia section. Weak to moderate pyrite and traces of chalcopyrite occur throughout.  |
|       |        |           | E.O.H. at 239.3 m.  |



|                                      |       |  |  |                                 |      |     |      |      |        |  |  |  |                               |  |
|--------------------------------------|-------|--|--|---------------------------------|------|-----|------|------|--------|--|--|--|-------------------------------|--|
| PROPERTY: GROAT CREEK                |       | <b>TEXASGULF INC.</b><br><b>DRILL HOLE LOG</b>   |  | HOLE NO.<br>G-14-80             |      |     |      |      |        |  |  |  |                               |  |
| LOCATION(grid) 9,880N; 10,060E       |       |  |  | CLAIM: GOAT HIDE                |      |     |      |      |        |  |  |  |                               |  |
| LOCATION(survey)                     |       |  |  | SECTION: 10,060E                |      |     |      |      |        |  |  |  |                               |  |
| AZIM: 360° ELEV:           DIP: -45° |       |  |  | LOGGED BY: R.E. Meyers          |      |     |      |      |        |  |  |  |                               |  |
| DEPTH: 231.7m      CORE SIZE: BQ     |       | DIP TEST   |  | DATE LOGGED: August 25-27, 1980 |      |     |      |      |        |  |  |  |                               |  |
| STARTED: August 14, 1980             |       | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>DEPTH</td> <td>AZIM</td> <td>DIP</td> </tr> <tr> <td>231m</td> <td>006°</td> <td>-44.5°</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> |  | DEPTH                           | AZIM | DIP | 231m | 006° | -44.5° |  |  |  | DRILLING CO.: Longyear Canada |  |
| DEPTH                                | AZIM  |  |  | DIP                             |      |     |      |      |        |  |  |  |                               |  |
| 231m                                 | 006°  | -44.5°   |  |                                 |      |     |      |      |        |  |  |  |                               |  |
|                                      |       |  |  |                                 |      |     |      |      |        |  |  |  |                               |  |
| COMPLETED: August 17, 1980           |       |  |  |                                 |      |     |      |      |        |  |  |  |                               |  |
| CORE RECOVERY: excellent             |       |  |  |                                 |      |     |      |      |        |  |  |  |                               |  |
| DEPTH                                |       | REC'Y  | DESCRIPTION  |                                 |      |     |      |      |        |  |  |  |                               |  |
| FROM                                 | TO    |  |  |                                 |      |     |      |      |        |  |  |  |                               |  |
| 0                                    | 7.6m  |  | Casing   |                                 |      |     |      |      |        |  |  |  |                               |  |
| 7.6                                  | 11.3m | excellent  | Hornblende feldspar porphyry - medium grained intrusive rock with grey sericitic alteration and some pinkish hematitic staining. Weak to moderate quartz-carbonate veining with pyrite and traces of chalcopyrite.   |                                 |      |     |      |      |        |  |  |  |                               |  |
| 11.3                                 | 40.5m | excellent  | Augite porphyry - dark green chloritic altered andesitic or basaltic volcanic rock. These rocks are generally weakly to strongly porphyritic with short sections of fragmental rocks (interflow sediments?). Throughout the section there is weak to moderate and locally strong quartz and quartz-carbonate veining with pyrite and traces of chalcopyrite. |                                 |      |     |      |      |        |  |  |  |                               |  |
| 40.5                                 | 42.5m | excellent  | Fault-crushed and brecciated zone.   |                                 |      |     |      |      |        |  |  |  |                               |  |
| 42.5                                 | 62.0m | excellent  | Augite porphyry-continues in mostly porphyritic augite andesite or basalt, with dark green chloritic alteration. Quartz and quartz-carbonate veining are moderate to locally strong, with pyrite and traces of chalcopyrite.   |                                 |      |     |      |      |        |  |  |  |                               |  |

| DEPTH |        | REC'Y     | DESCRIPTION   |
|-------|--------|-----------|---|
| FROM  | TO     |           |   |
| 62.0  | 96.4m  | excellent | Augite porphyry - as above but with more quartz veining and weak to moderate sericitic alteration. Brecciated veined section from 72.3 to 73.2m. Chalcopyrite is somewhat more abundant in this section.  |
| 96.4  | 108.5m | excellent | Hornblende-feldspar porphyry - medium to coarse grained pink to grey-green intrusive rock, with only weak veining. The rock contains disseminated pyrite and some chalcopyrite. Alteration types consist of chloritization of mafics, hematite staining of feldspar, and sericitization (pervasive) in some sections. |
| 108.5 | 155.0m | excellent | Augite porphyry - andesite or basalt, mostly grey-green sericitally altered with moderate to strong quartz and quartz-carbonate veining with pyrite and locally abundant chalcopyrite. It is suggested that the bulk of the sericitic alteration occurred after copper mineralization.                                |
| 155.0 | 165.2m | excellent | Augite porphyry - as above but strongly fractured.  |
| 165.2 | 165.5m | excellent | Fault gouge.  |
| 165.5 | 169.3m | excellent | Hornblende-feldspar porphyry - strongly sericitized and partially silicified intrusive rock, strongly fractured but with only moderate veining and sulphide content.  |
| 169.3 | 170.3m | excellent | Fault gouge - composed mostly of silicified intrusive rock.   |
| 170.3 | 224.6m | excellent | Augite porphyry - dominantly dark green chloritic volcanic rocks with weak veining and sparse sulphides. Sericitic breccia zone from 195.7 to 196.6m.   |

| DEPTH  |        | REC'Y     | DESCRIPTION  |
|--------|--------|-----------|--|
| FROM   | TO     |           |  |
| 224.6  | 226.6m | excellent | Volcaniclastics - crudely banded, strongly sericitized volcaniclastics and brecciated porphyry, in a matrix of quartz, sericite, chlorite, carbonate and pyrite. |
| 226.6m | 231.6m | excellent | Augite porphyry - typical dark green chloritic volcanic rock, with strong quartz-carbonate veining but only weak sulphide mineralization.                        |
|        |        |           | E.O.H. at 231.6m   |



|                                     |  |                                  |
|-------------------------------------|--|----------------------------------|
| PROPERTY: GROAT CREEK               | <b>TEXASGULF INC.</b><br><b>DRILL HOLE LOG</b> | HOLE NO.<br>G-15-80              |
| LOCATION(grid) 9,760N; 10,000E      |  | CLAIM: GOAT HIDE                 |
| LOCATION(survey)                    |  | SECTION: 10,000E                 |
| AZIM: 360° ELEV:          DIP: -45° |  | LOGGED BY: R.E. Meyers           |
| DEPTH: 278.9m      CORE SIZE: BQ    |  | DATE LOGGED: Aug 27-Sept 3, 1980 |
| STARTED: August 18, 1980            |  | DRILLING CO.: Longyear Canada    |
| COMPLETED: August 21, 1980          |  |                                  |
| CORE RECOVERY: excellent            |  |                                  |

| DIP TEST |      |      |
|----------|------|------|
| DEPTH    | AZIM | DIP  |
| 278 m    | 001° | -48° |
|          |      |      |

| DEPTH |       | REC'Y     | DESCRIPTION   |
|-------|-------|-----------|---|
| FROM  | TO    |           |   |
| 0     | 6.1m  |           | Casing  |
| 6.1   | 23.3m | excellent | Hornblende-feldspar porphyry - massive, medium grained dark green chloritic intrusive rock, with weak quartz-carbonate veining and very sparse sulphides. |
| 23.3  | 33.3m | excellent | Hornblende-feldspar porphyry - similar to the above (younger?) phase but showing sericitic alteration. Still only very weak veining or mineralization.    |
| 33.3  | 50.5m | excellent | Hornblende-feldspar porphyry - return to medium grained grey-green porphyry texturally similar to that at the top of the hole.                            |
| 50.5  | 56.4  | excellent | Hornblende feldspar porphyry - intensely sericite altered and partially brecciated, ending on a small fault.  |
| 56.4  | 94.9m | excellent | Augite porphyry - porphyritic andesite or basalt with thin layers of interflow  |
|       |       |           |   |



TEXASGULF INC.

## DRILL HOLE LOG

HOLE NO.  
G-15-80PAGE NO.  
2

| DEPTH |        | REC'Y     | DESCRIPTION   |
|-------|--------|-----------|---|
| FROM  | TO     |           |   |
| 56.4  | 94.9m  | excellent | sediments, as described for previous holes. The rock shows weak sericitic alteration, weak veining and sparse pyrite with traces of chalcopyrite. Below 70m, the alteration is dominantly chloritic, yielding a dark green rock.  |
| 94.9  | 96.8m  | excellent | Hornblende-feldspar porphyry - two narrow dykes (?) with volcanic rock 95.5 to 95.9m.   |
| 96.8  | 111.1m | excellent | Augite porphyry-dark green chloritic rock as above. Veining and sulphide content still very low.  |
| 111.1 | 112.2m | excellent | Fault gouge   |
| 112.2 | 129.8m | excellent | Augite porphyry-as above, but with much stronger veining. Pyrite is much more abundant, but chalcopyrite is still rare.   |
| 129.8 | 131.6m | excellent | Fault breccia   |
| 131.6 | 144.5m | excellent | Hornblende-feldspar porphyry - pinkish altered intrusive rock, with strong quartz-carbonate veining and abundant pyrite.  |
| 144.5 | 224.7m | excellent | Augite porphyry - medium to dark green chloritic volcanic rock, with minor sericite alteration. Quartz-carbonate veining is moderate to strong, with pyrite and some hematite. There is a slight increase in chalcopyrite from 177 to 180 metres. From 187 to 188.5m is an altered sheared zone with some pyrite, sphalerite and galena with quartz-carbonate |

TEXASGULF INC.

## DRILL HOLE LOG

HOLE NO.  
G-15-80PAGE NO.  
3

| DEPTH |        | REC'Y     | DESCRIPTION  |
|-------|--------|-----------|--|
| FROM  | TO     |           |  |
| 144.5 | 224.7m | excellent | material at 188.3 metres. Below 200m, the vein density and incidence of shearing and brecciation drop off markedly.  |
| 224.7 | 225.1m | excellent | Fault gouge.   |
| 225.1 | 251.9m | excellent | Augite porphyry - light green sericitic volcanic rock, with generally moderate quartz and quartz-carbonate veining and pyrite mineralization, with more chalcopyrite than above. |
| 225.1 | 251.9m | excellent | Augite porphyry - light green sericitic volcanic rock, with generally moderate quartz and quartz-carbonate veining and pyrite mineralization, with more chalcopyrite than above. |
| 251.9 | 254.6m | excellent | Fault zone, with intense sericitic alteration.   |
| 254.6 | 264.8m | excellent | Augite porphyry - essentially as before, with strong faulting from 260.5 to 263.2m, and with the section ending on a small shear.  |
| 264.8 | 278.4m | excellent | Hornblende-feldspar porphyry - dominantly massive, grey sericitically altered intrusive rock with only weak veining and sparse sulphides.  |
| 278.4 | 278.9m | excellent | Augite porphyry - dark green chloritic volcanic rock.  |
|       |        |           | E.O.H. at 278.9m   |



APPENDIX B

Summary of Assays



PROPERTY: GROAT CREEK

HOLE No.: 4-G-77 G-11-80 PAGE 3 of 4

LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 ELEVATION: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

| SAMPLE No. | METRES |       | Cu   |     |     | Au     |     |     | Ag     | Cu   |
|------------|--------|-------|------|-----|-----|--------|-----|-----|--------|------|
|            | FROM   | TO    | %    | AVG | AVG | oz/ton | AVG | AVG | oz/ton | ppm. |
| 16513      | 215.0  | 218.0 | 0.12 |     |     | 0.004  |     |     |        |      |
| 4          | 218.0  | 221.0 | 0.09 |     |     | 0.002  |     |     |        |      |
| 5          | 221.0  | 224.0 | 0.07 |     |     | 0.002  |     |     |        |      |
| 6          | 224.0  | 227.0 | 0.10 |     |     | 0.003  |     |     |        |      |
| 7          | 227.0  | 230.0 | 0.10 |     |     | 0.002  |     |     |        |      |
| 8          | 230.0  | 233.0 | 0.06 |     |     | 0.002  |     |     |        |      |
| 9          | 233.0  | 236.0 | 0.14 |     |     | 0.003  |     |     |        |      |
| 16520      | 236.0  | 239.0 | 0.08 |     |     | 0.002  |     |     |        |      |
| 1          | 239.0  | 242.0 | 0.09 |     |     | <0.002 |     |     |        |      |
| 2          | 242.0  | 245.0 | 0.09 |     |     | <0.002 |     |     |        |      |
| 3          | 245.0  | 248.0 | 0.16 |     |     | 0.002  |     |     |        |      |
| 4          | 248.0  | 251.0 | 0.10 |     |     | 0.002  |     |     |        |      |
| 5          | 251.0  | 254.0 | 0.16 |     |     | 0.003  |     |     |        |      |
| 6          | 254.0  | 257.0 | 0.09 |     |     | <0.002 |     |     |        |      |
| 7          | 257.0  | 260.0 | 0.11 |     |     | <0.002 |     |     |        |      |
| 8          | 260.0  | 263.0 | 0.07 |     |     | 0.002  |     |     |        |      |
| 9          | 263.0  | 266.0 | 0.15 |     |     | 0.002  |     |     |        |      |
| 16530      | 266.0  | 269.0 | 0.06 |     |     | <0.002 |     |     |        |      |
| 1          | 269.0  | 272.0 | 0.11 |     |     | 0.002  |     |     |        |      |
| 2          | 272.0  | 275.0 | 0.09 |     |     | <0.002 |     |     |        |      |
| 3          | 275.0  | 278.0 | 0.06 |     |     | <0.002 |     |     |        |      |
| 4          | 278.0  | 281.0 | 0.03 |     |     | 0.002  |     |     |        |      |
| 5          | 281.0  | 284.0 | 0.02 |     |     | <0.002 |     |     |        |      |
| 6          | 284.0  | 287.0 | 0.20 |     |     | 0.002  |     |     |        |      |
| 7          | 287.0  | 290.0 | 0.05 |     |     | <0.002 |     |     |        |      |
| 8          | 290.0  | 293.0 | 0.07 |     |     | 0.002  |     |     |        |      |
| 9          | 293.0  | 296.0 | 0.07 |     |     | <0.002 |     |     |        |      |
| 16540      | 296.0  | 299.0 | 0.05 |     |     | <0.002 |     |     |        |      |
| 1          | 299.0  | 302.0 | 0.03 |     |     | <0.002 |     |     |        |      |
| 2          | 302.0  | 305.0 | 0.08 |     |     | <0.002 |     |     |        |      |
| 3          | 305.0  | 308.0 | 0.09 |     |     | 0.002  |     |     |        |      |
| 4          | 308.0  | 311.0 | 0.05 |     |     | <0.002 |     |     |        |      |
| 5          | 311.0  | 314.0 | 0.09 |     |     | 0.032  |     |     |        |      |
| 6          | 314.0  | 317.0 | 0.17 |     |     | 0.044  |     |     |        |      |
| 16547      | 317.0  | 320.0 | 0.11 |     |     | 0.008  |     |     |        |      |



LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

ELEVATION: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

| SAMPLE No. | METRES |       | Cu     |     |     | Au      |     |     | Aq     | Cu   |
|------------|--------|-------|--------|-----|-----|---------|-----|-----|--------|------|
|            | FROM   | TO    | %      | AVG | AVG | oz/ton  | AVG | AVG | oz/ton | ppm. |
| 16551      | 5.8    | 9.0   | 0.01   |     |     | < 0.002 |     |     |        |      |
| 2          | 9.0    | 12.0  | 0.02   |     |     | < 0.002 |     |     |        |      |
| 3          | 12.0   | 15.0  | < 0.01 |     |     | < 0.002 |     |     |        |      |
| 4          | 15.0   | 18.0  | < 0.01 |     |     | 0.003   |     |     |        |      |
| 5          | 18.0   | 21.0  | < 0.01 |     |     | 0.002   |     |     |        |      |
| 6          | 21.0   | 24.0  | < 0.01 |     |     | < 0.002 |     |     |        |      |
| 7          | 24.0   | 27.0  | 0.01   |     |     | 0.002   |     |     |        |      |
| 8          | 27.0   | 30.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 9          | 30.0   | 33.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 16560      | 33.0   | 36.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 1          | 36.0   | 39.0  | 0.02   |     |     | < 0.002 |     |     |        |      |
| 2          | 39.0   | 42.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 3          | 42.0   | 45.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 4          | 45.0   | 48.0  | 0.01   |     |     | 0.002   |     |     |        |      |
| 5          | 48.0   | 51.0  | 0.02   |     |     | 0.002   |     |     |        |      |
| 6          | 51.0   | 54.0  | 0.03   |     |     | 0.009   |     |     |        |      |
| 7          | 54.0   | 57.0  | 0.01   |     |     | 0.003   |     |     |        |      |
| 8          | 57.0   | 60.0  | 0.01   |     |     | 0.002   |     |     |        |      |
| 9          | 60.0   | 63.0  | 0.02   |     |     | 0.003   |     |     |        |      |
| 16570      | 63.0   | 66.0  | 0.08   |     |     | 0.002   |     |     |        |      |
| 1          | 66.0   | 69.0  | 0.03   |     |     | < 0.002 |     |     |        |      |
| 2          | 69.0   | 72.0  | 0.02   |     |     | < 0.002 |     |     |        |      |
| 3          | 72.0   | 75.0  | 0.05   |     |     | 0.010   |     |     |        |      |
| 4          | 75.0   | 78.0  | 0.03   |     |     | < 0.002 |     |     |        |      |
| 5          | 78.0   | 81.0  | 0.04   |     |     | < 0.002 |     |     |        |      |
| 6          | 81.0   | 84.0  | 0.04   |     |     | < 0.002 |     |     |        |      |
| 7          | 84.0   | 87.0  | 0.02   |     |     | < 0.002 |     |     |        |      |
| 8          | 87.0   | 90.0  | 0.03   |     |     | < 0.002 |     |     |        |      |
| 9          | 90.0   | 93.0  | 0.03   |     |     | < 0.002 |     |     |        |      |
| 16580      | 93.0   | 96.0  | 0.02   |     |     | < 0.002 |     |     |        |      |
| 1          | 96.0   | 99.0  | 0.03   |     |     | 0.002   |     |     |        |      |
| 2          | 99.0   | 102.0 | 0.02   |     |     | < 0.002 |     |     |        |      |
| 3          | 102.0  | 105.0 | 0.02   |     |     | 0.009   |     |     |        |      |
| 4          | 105.0  | 108.0 | 0.02   |     |     | < 0.002 |     |     |        |      |
| 16585      | 108.0  | 111.0 | 0.02   |     |     | < 0.002 |     |     |        |      |

LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 ELEVATION: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

| SAMPLE No. | METRES |       | Cu   |     |     | Au      |     |     | Aq     | Cu   |
|------------|--------|-------|------|-----|-----|---------|-----|-----|--------|------|
|            | FROM   | TO    | %    | AVG | AVG | oz/ton  | AVG | AVG | oz/ton | ppm. |
| 16586      | 111.0  | 114.0 | 0.03 |     |     | < 0.002 |     |     |        |      |
| 7          | 114.0  | 117.0 | 0.02 |     |     | 0.002   |     |     |        |      |
| 8          | 117.0  | 120.0 | 0.07 |     |     | < 0.002 |     |     |        |      |
| no sample  | 120.0  | 123.0 | -    |     |     | -       |     |     |        |      |
| 9          | 123.0  | 126.0 | 0.08 |     |     | 0.004   |     |     |        |      |
| 16590      | 126.0  | 129.0 | 0.11 |     |     | < 0.002 |     |     |        |      |
| 1          | 129.0  | 132.0 | 0.10 |     |     | < 0.002 |     |     |        |      |
| 2          | 132.0  | 135.0 | 0.06 |     |     | < 0.002 |     |     |        |      |
| 3          | 135.0  | 138.0 | 0.04 |     |     | < 0.002 |     |     |        |      |
| 4          | 138.0  | 141.0 | 0.10 |     |     | < 0.002 |     |     |        |      |
| 5          | 141.0  | 144.0 | 0.08 |     |     | < 0.002 |     |     |        |      |
| 6          | 144.0  | 147.0 | 0.08 |     |     | 0.003   |     |     |        |      |
| 7          | 147.0  | 150.0 | 0.28 |     |     | 0.002   |     |     |        |      |
| 8          | 150.0  | 153.0 | 0.12 |     |     | < 0.002 |     |     |        |      |
| 9          | 153.0  | 156.0 | 0.16 |     |     | < 0.002 |     |     |        |      |
| 16600      | 156.0  | 159.0 | 0.07 |     |     | < 0.002 |     |     |        |      |
| 1          | 159.0  | 162.0 | 0.07 |     |     | < 0.002 |     |     |        |      |
| 2          | 162.0  | 165.0 | 0.09 |     |     | 0.002   |     |     |        |      |
| 3          | 165.0  | 168.0 | 0.03 |     |     | < 0.002 |     |     |        |      |
| 4          | 168.0  | 171.0 | 0.07 |     |     | < 0.002 |     |     |        |      |
| 5          | 171.0  | 174.0 | 0.12 |     |     | < 0.002 |     |     |        |      |
| 6          | 174.0  | 177.0 | 0.09 |     |     | < 0.002 |     |     |        |      |
| 7          | 177.0  | 180.0 | 0.08 |     |     | < 0.002 |     |     |        |      |
| 8          | 180.0  | 183.0 | 0.08 |     |     | < 0.002 |     |     |        |      |
| 9          | 183.0  | 186.0 | 0.08 |     |     | 0.002   |     |     |        |      |
| 16610      | 186.0  | 189.0 | 0.03 |     |     | < 0.002 |     |     |        |      |
| 1          | 189.0  | 192.0 | 0.10 |     |     | < 0.002 |     |     |        |      |
| 2          | 192.0  | 195.0 | 0.13 |     |     | 0.002   |     |     |        |      |
| 3          | 195.0  | 198.0 | 0.13 |     |     | 0.004   |     |     |        |      |
| 4          | 198.0  | 201.0 | 0.08 |     |     | 0.003   |     |     |        |      |
| 5          | 201.0  | 204.0 | 0.11 |     |     | 0.002   |     |     |        |      |
| 6          | 204.0  | 207.0 | 0.20 |     |     | 0.004   |     |     |        |      |
| 7          | 207.0  | 210.0 | 0.08 |     |     | 0.002   |     |     |        |      |
| 8          | 210.0  | 213.0 | 0.07 |     |     | 0.002   |     |     |        |      |
| 16619      | 213.0  | 215.2 | 0.05 |     |     | 0.002   |     |     |        |      |



LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 ELEVATION: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

| SAMPLE No. | METRES |       | Cu   |     |     | Au      |     |     | Ag     | Cu   |
|------------|--------|-------|------|-----|-----|---------|-----|-----|--------|------|
|            | FROM   | TO    | %    | AVG | AVG | oz/ton  | AVG | AVG | oz/ton | ppm. |
| 16620      | 6.1    | 9.0   | 0.02 |     |     | 0.002   |     |     |        |      |
| 1          | 9.0    | 12.0  | 0.02 |     |     | 0.003   |     |     |        |      |
| 2          | 12.0   | 15.0  | 0.01 |     |     | < 0.002 |     |     |        |      |
| 3          | 15.0   | 18.0  | 0.02 |     |     | 0.003   |     |     |        |      |
| 4          | 18.0   | 21.0  | 0.03 |     |     | 0.004   |     |     |        |      |
| 5          | 21.0   | 24.0  | 0.04 |     |     | 0.003   |     |     |        |      |
| 6          | 24.0   | 27.0  | 0.08 |     |     | < 0.002 |     |     |        |      |
| 7          | 27.0   | 30.0  | 0.06 |     |     | 0.003   |     |     |        |      |
| 8          | 30.0   | 33.0  | 0.11 |     |     | < 0.002 |     |     |        |      |
| 9          | 33.0   | 36.0  | 0.08 |     |     | < 0.002 |     |     |        |      |
| 16630      | 36.0   | 39.0  | 0.06 |     |     | < 0.002 |     |     |        |      |
| 1          | 39.0   | 42.0  | 0.04 |     |     | < 0.002 |     |     |        |      |
| 2          | 42.0   | 45.0  | 0.07 |     |     | < 0.002 |     |     |        |      |
| 3          | 45.0   | 48.0  | 0.06 |     |     | < 0.002 |     |     |        |      |
| 4          | 48.0   | 51.0  | 0.06 |     |     | < 0.002 |     |     |        |      |
| 5          | 51.0   | 54.0  | 0.13 |     |     | 0.002   |     |     |        |      |
| 6          | 54.0   | 57.0  | 0.15 |     |     | < 0.002 |     |     |        |      |
| 7          | 57.0   | 60.0  | 0.07 |     |     | 0.002   |     |     |        |      |
| 8          | 60.0   | 63.0  | 0.05 |     |     | 0.002   |     |     |        |      |
| 9          | 63.0   | 66.0  | 0.06 |     |     | 0.002   |     |     |        |      |
| 16640      | 66.0   | 69.0  | 0.06 |     |     | < 0.002 |     |     |        |      |
| 1          | 69.0   | 72.0  | 0.06 |     |     | < 0.002 |     |     |        |      |
| 2          | 72.0   | 75.0  | 0.09 |     |     | < 0.002 |     |     |        |      |
| 3          | 75.0   | 78.0  | 0.07 |     |     | < 0.002 |     |     |        |      |
| 4          | 78.0   | 81.0  | 0.11 |     |     | < 0.002 |     |     |        |      |
| 5          | 81.0   | 84.0  | 0.04 |     |     | 0.002   |     |     |        |      |
| 6          | 84.0   | 87.0  | 0.04 |     |     | < 0.002 |     |     |        |      |
| 7          | 87.0   | 90.0  | 0.06 |     |     | < 0.002 |     |     |        |      |
| 8          | 90.0   | 93.0  | 0.03 |     |     | < 0.002 |     |     |        |      |
| 9          | 93.0   | 96.0  | 0.04 |     |     | 0.002   |     |     |        |      |
| 16650      | 96.0   | 99.0  | 0.12 |     |     | < 0.002 |     |     |        |      |
| 1          | 99.0   | 102.0 | 0.12 |     |     | < 0.002 |     |     |        |      |
| 2          | 102.0  | 105.0 | 0.11 |     |     | < 0.002 |     |     |        |      |
| 3          | 105.0  | 108.0 | 0.09 |     |     | < 0.002 |     |     |        |      |
| 16654      | 108.0  | 111.0 | 0.09 |     |     | 0.002   |     |     |        |      |

PROPERTY: GROAT CREEK

HOLE No.: G-13-80 PAGE 2 of 3

LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 ELEVATION: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

| SAMPLE No. | METRES |       | Cu   |     |     | Au      |     |     | Ag     | Cu   |
|------------|--------|-------|------|-----|-----|---------|-----|-----|--------|------|
|            | FROM   | TO    | %    | AVG | AVG | oz/ton  | AVG | AVG | oz/ton | ppm. |
| 16655      | 111.0  | 114.0 | 0.05 |     |     | 0.002   |     |     |        |      |
| 6          | 114.0  | 117.0 | 0.03 |     |     | < 0.002 |     |     |        |      |
| 7          | 117.0  | 120.0 | 0.05 |     |     | < 0.002 |     |     |        |      |
| 8          | 120.0  | 123.0 | 0.05 |     |     | < 0.002 |     |     |        |      |
| 9          | 123.0  | 126.0 | 0.10 |     |     | < 0.002 |     |     |        |      |
| 16660      | 126.0  | 129.0 | 0.03 |     |     | < 0.002 |     |     |        |      |
| 1          | 129.0  | 132.0 | 0.07 |     |     | < 0.002 |     |     |        |      |
| 2          | 132.0  | 135.0 | 0.10 |     |     | < 0.002 |     |     |        |      |
| 3          | 135.0  | 138.0 | 0.09 |     |     | < 0.002 |     |     |        |      |
| 4          | 138.0  | 141.0 | 0.09 |     |     | 0.002   |     |     |        |      |
| 5          | 141.0  | 144.0 | 0.15 |     |     | < 0.002 |     |     |        |      |
| 6          | 144.0  | 147.0 | 0.05 |     |     | 0.002   |     |     |        |      |
| 7          | 147.0  | 150.0 | 0.06 |     |     | 0.002   |     |     |        |      |
| 8          | 150.0  | 153.0 | 0.10 |     |     | 0.002   |     |     |        |      |
| 9          | 153.0  | 156.0 | 0.17 |     |     | 0.003   |     |     |        |      |
| 16670      | 156.0  | 159.0 | 0.16 |     |     | 0.003   |     |     |        |      |
| 1          | 159.0  | 162.0 | 0.09 |     |     | 0.004   |     |     |        |      |
| 2          | 162.0  | 165.0 | 0.11 |     |     | 0.003   |     |     |        |      |
| 3          | 165.0  | 168.0 | 0.12 |     |     | 0.002   |     |     |        |      |
| 4          | 168.0  | 171.0 | 0.16 |     |     | 0.002   |     |     |        |      |
| 5          | 171.0  | 174.0 | 0.16 |     |     | 0.002   |     |     |        |      |
| 6          | 174.0  | 177.0 | 0.29 |     |     | 0.003   |     |     |        |      |
| 7          | 177.0  | 180.0 | 0.29 |     |     | 0.003   |     |     |        |      |
| 8          | 180.0  | 183.0 | 0.19 |     |     | 0.003   |     |     |        |      |
| 9          | 183.0  | 186.0 | 0.14 |     |     | 0.002   |     |     |        |      |
| 16680      | 186.0  | 189.0 | 0.12 |     |     | 0.002   |     |     |        |      |
| 1          | 189.0  | 192.0 | 0.06 |     |     | < 0.002 |     |     |        |      |
| 2          | 192.0  | 195.0 | 0.04 |     |     | < 0.002 |     |     |        |      |
| 3          | 195.0  | 198.0 | 0.05 |     |     | < 0.002 |     |     |        |      |
| 4          | 198.0  | 201.0 | 0.04 |     |     | < 0.002 |     |     |        |      |
| 5          | 201.0  | 204.0 | 0.03 |     |     | 0.002   |     |     |        |      |
| 6          | 204.0  | 207.0 | 0.03 |     |     | < 0.002 |     |     |        |      |
| 7          | 207.0  | 210.0 | 0.07 |     |     | 0.004   |     |     |        |      |
| 8          | 210.0  | 213.0 | 0.29 |     |     | 0.025   |     |     |        |      |
| 16689      | 213.0  | 216.0 | 0.04 |     |     | 0.002   |     |     |        |      |



LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 ELEVATION: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

| SAMPLE No. | METRES |       | Cu   |     |     | Au      |     |     | Ag     | Cu   |
|------------|--------|-------|------|-----|-----|---------|-----|-----|--------|------|
|            | FROM   | TO    | %    | AVG | AVG | oz/ton  | AVG | AVG | oz/ton | ppm. |
| 16698      | 7.6    | 9.0   | 0.04 |     |     | < 0.002 |     |     |        |      |
| 9          | 9.0    | 12.0  | 0.06 |     |     | 0.002   |     |     |        |      |
| 16700      | 12.0   | 15.0  | 0.08 |     |     | 0.002   |     |     |        |      |
| 1          | 15.0   | 18.0  | 0.06 |     |     | < 0.002 |     |     |        |      |
| 2          | 18.0   | 21.0  | 0.07 |     |     | 0.002   |     |     |        |      |
| 3          | 21.0   | 24.0  | 0.08 |     |     | 0.002   |     |     |        |      |
| 4          | 24.0   | 27.0  | 0.07 |     |     | < 0.002 |     |     |        |      |
| 5          | 27.0   | 30.0  | 0.08 |     |     | < 0.002 |     |     |        |      |
| 6          | 30.0   | 33.0  | 0.08 |     |     | 0.002   |     |     |        |      |
| 7          | 33.0   | 36.0  | 0.21 |     |     | 0.006   |     |     |        |      |
| 8          | 36.0   | 39.0  | 0.06 |     |     | < 0.002 |     |     |        |      |
| 9          | 39.0   | 42.0  | 0.05 |     |     | < 0.002 |     |     |        |      |
| 16710      | 42.0   | 45.0  | 0.07 |     |     | < 0.002 |     |     |        |      |
| 1          | 45.0   | 48.0  | 0.09 |     |     | < 0.002 |     |     |        |      |
| 2          | 48.0   | 51.0  | 0.10 |     |     | 0.002   |     |     |        |      |
| 3          | 51.0   | 54.0  | 0.10 |     |     | < 0.002 |     |     |        |      |
| 4          | 54.0   | 57.0  | 0.15 |     |     | 0.004   |     |     |        |      |
| 5          | 57.0   | 60.0  | 0.07 |     |     | 0.002   |     |     |        |      |
| 6          | 60.0   | 63.0  | 0.20 |     |     | 0.011   |     |     |        |      |
| 7          | 63.0   | 66.0  | 0.31 |     |     | 0.003   |     |     |        |      |
| 8          | 66.0   | 69.0  | 0.17 |     |     | 0.002   |     |     |        |      |
| 9          | 69.0   | 72.0  | 0.15 |     |     | 0.002   |     |     |        |      |
| 16720      | 72.0   | 75.0  | 0.12 |     |     | 0.005   |     |     |        |      |
| 1          | 75.0   | 78.0  | 0.26 |     |     | 0.004   |     |     |        |      |
| 2          | 78.0   | 81.0  | 0.20 |     |     | 0.005   |     |     |        |      |
| 3          | 81.0   | 84.0  | 0.16 |     |     | 0.003   |     |     |        |      |
| 4          | 84.0   | 87.0  | 0.19 |     |     | 0.005   |     |     |        |      |
| 5          | 87.0   | 90.0  | 0.18 |     |     | 0.009   |     |     |        |      |
| 6          | 90.0   | 93.0  | 0.33 |     |     | 0.018   |     |     |        |      |
| 7          | 93.0   | 96.0  | 0.34 |     |     | 0.023   |     |     |        |      |
| 8          | 96.0   | 99.0  | 0.58 |     |     | 0.028   |     |     |        |      |
| 9          | 99.0   | 102.0 | 0.21 |     |     | 0.007   |     |     |        |      |
| 16730      | 102.0  | 105.0 | 0.28 |     |     | 0.007   |     |     |        |      |
| 1          | 105.0  | 108.0 | 0.44 |     |     | 0.015   |     |     |        |      |
| 16732      | 108.0  | 111.0 | 0.85 |     |     | 0.028   |     |     |        |      |

PROPERTY: GROAT CREEKHOLE No.: G-14-80 PAGE 2 of 3

LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 ELEVATION: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

| SAMPLE No. | METRES |       | Cu   |     |     | Au     |     |     | Ag     | Cu   |
|------------|--------|-------|------|-----|-----|--------|-----|-----|--------|------|
|            | FROM   | TO    | %    | AVG | AVG | oz/ton | AVG | AVG | oz/ton | ppm. |
| 16733      | 111.0  | 114.0 | 0.53 |     |     | 0.022  |     |     |        |      |
| 4          | 114.0  | 117.0 | 0.52 |     |     | 0.025  |     |     |        |      |
| 5          | 117.0  | 120.0 | 0.34 |     |     | 0.015  |     |     |        |      |
| 6          | 120.0  | 123.0 | 0.41 |     |     | 0.015  |     |     |        |      |
| 7          | 123.0  | 126.0 | 0.65 |     |     | 0.029  |     |     |        |      |
| 8          | 126.0  | 129.0 | 0.47 |     |     | 0.025  |     |     |        |      |
| 9          | 129.0  | 132.0 | 0.44 |     |     | 0.025  |     |     |        |      |
| 16740      | 132.0  | 135.0 | 0.70 |     |     | 0.049  |     |     |        |      |
| 1          | 135.0  | 138.0 | 0.47 |     |     | 0.021  |     |     |        |      |
| 2          | 138.0  | 141.0 | 0.31 |     |     | 0.018  |     |     |        |      |
| 3          | 141.0  | 144.0 | 0.40 |     |     | 0.005  |     |     |        |      |
| 4          | 144.0  | 147.0 | 0.51 |     |     | 0.006  |     |     |        |      |
| 5          | 147.0  | 150.0 | 0.27 |     |     | 0.008  |     |     |        |      |
| 6          | 150.0  | 153.0 | 0.45 |     |     | 0.007  |     |     |        |      |
| 7          | 153.0  | 156.0 | 0.26 |     |     | 0.004  |     |     |        |      |
| 8          | 156.0  | 159.0 | 0.31 |     |     | 0.004  |     |     |        |      |
| 9          | 159.0  | 162.0 | 0.10 |     |     | 0.003  |     |     |        |      |
| 16750      | 162.0  | 165.0 | 0.12 |     |     | 0.002  |     |     |        |      |
| 38726      | 165.0  | 168.0 | 0.40 |     |     | 0.012  |     |     |        |      |
| 7          | 168.0  | 171.0 | 0.25 |     |     | 0.005  |     |     |        |      |
| 8          | 171.0  | 174.0 | 0.10 |     |     | 0.002  |     |     |        |      |
| 9          | 174.0  | 177.0 | 0.09 |     |     | 0.002  |     |     |        |      |
| 38730      | 177.0  | 180.0 | 0.08 |     |     | <0.002 |     |     |        |      |
| 1          | 180.0  | 183.0 | 0.08 |     |     | <0.002 |     |     |        |      |
| 2          | 183.0  | 186.0 | 0.06 |     |     | <0.002 |     |     |        |      |
| 3          | 186.0  | 189.0 | 0.04 |     |     | <0.002 |     |     |        |      |
| 4          | 189.0  | 192.0 | 0.06 |     |     | <0.002 |     |     |        |      |
| 5          | 192.0  | 195.0 | 0.09 |     |     | <0.002 |     |     |        |      |
| 6          | 195.0  | 198.0 | 0.06 |     |     | <0.002 |     |     |        |      |
| 7          | 198.0  | 201.0 | 0.09 |     |     | <0.002 |     |     |        |      |
| 8          | 201.0  | 204.0 | 0.12 |     |     | 0.002  |     |     |        |      |
| 9          | 204.0  | 207.0 | 0.10 |     |     | 0.002  |     |     |        |      |
| 38740      | 207.0  | 210.0 | 0.06 |     |     | <0.002 |     |     |        |      |
| 1          | 210.0  | 213.0 | 0.06 |     |     | <0.002 |     |     |        |      |
| 38742      | 213.0  | 216.0 | 0.03 |     |     | <0.002 |     |     |        |      |



LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

ELEVATION: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

| SAMPLE No. | METRES |       | Cu     |     |     | Au      |     |     | Ag     | Cu   |
|------------|--------|-------|--------|-----|-----|---------|-----|-----|--------|------|
|            | FROM   | TO    | %      | AVG | AVG | oz/ton  | AVG | AVG | oz/ton | ppm. |
| 38748      | 6.1    | 9.0   | 0.01   |     |     | 0.006   |     |     |        |      |
| 9          | 9.0    | 12.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 50         | 12.0   | 15.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 1          | 15.0   | 18.0  | 0.02   |     |     | < 0.002 |     |     |        |      |
| 2          | 18.0   | 21.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 3          | 21.0   | 24.0  | 0.01   |     |     | 0.003   |     |     |        |      |
| 4          | 24.0   | 27.0  | 0.01   |     |     | 0.017   |     |     |        |      |
| 5          | 27.0   | 30.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 6          | 30.0   | 33.0  | < 0.01 |     |     | < 0.002 |     |     |        |      |
| 7          | 33.0   | 36.0  | 0.02   |     |     | 0.008   |     |     |        |      |
| 8          | 36.0   | 39.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 9          | 39.0   | 42.0  | 0.02   |     |     | < 0.002 |     |     |        |      |
| 38760      | 42.0   | 45.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 1          | 45.0   | 48.0  | 0.02   |     |     | < 0.002 |     |     |        |      |
| 2          | 48.0   | 51.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 3          | 51.0   | 54.0  | 0.02   |     |     | 0.002   |     |     |        |      |
| 4          | 54.0   | 57.0  | 0.01   |     |     | 0.070   |     |     |        |      |
| 5          | 57.0   | 60.0  | < 0.01 |     |     | < 0.002 |     |     |        |      |
| 6          | 60.0   | 63.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 7          | 63.0   | 66.0  | < 0.01 |     |     | < 0.002 |     |     |        |      |
| 8          | 66.0   | 69.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 9          | 69.0   | 72.0  | < 0.01 |     |     | < 0.002 |     |     |        |      |
| 38770      | 72.0   | 75.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 1          | 75.0   | 78.0  | 0.02   |     |     | < 0.002 |     |     |        |      |
| 2          | 78.0   | 81.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 3          | 81.0   | 84.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 4          | 84.0   | 87.0  | 0.01   |     |     | < 0.002 |     |     |        |      |
| 5          | 87.0   | 90.0  | 0.01   |     |     | 0.004   |     |     |        |      |
| 6          | 90.0   | 93.0  | 0.01   |     |     | 0.007   |     |     |        |      |
| 7          | 93.0   | 96.0  | 0.04   |     |     | 0.019   |     |     |        |      |
| 8          | 96.0   | 99.0  | 0.05   |     |     | 0.041   |     |     |        |      |
| 9          | 99.0   | 102.0 | 0.02   |     |     | 0.003   |     |     |        |      |
| 38780      | 102.0  | 105.0 | 0.02   |     |     | < 0.002 |     |     |        |      |
| 1          | 105.0  | 108.0 | 0.01   |     |     | < 0.002 |     |     |        |      |
| 38782      | 108.0  | 111.0 | 0.02   |     |     | < 0.002 |     |     |        |      |

LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_  
 ELEVATION: \_\_\_\_\_ INCLINATION: \_\_\_\_\_ / \_\_\_\_\_ at \_\_\_\_\_

| SAMPLE No. | METRES |       | Cu     |     |     | Au      |     |     | Aq     | Cu   |
|------------|--------|-------|--------|-----|-----|---------|-----|-----|--------|------|
|            | FROM   | TO    | %      | AVG | AVG | oz/ton  | AVG | AVG | oz/ton | ppm. |
| 38783      | 111.0  | 114.0 | 0.02   |     |     | 0.003   |     |     |        |      |
| 4          | 114.0  | 117.0 | 0.04   |     |     | < 0.002 |     |     |        |      |
| 5          | 117.0  | 120.0 | 0.05   |     |     | 0.008   |     |     |        |      |
| 6          | 120.0  | 123.0 | 0.08   |     |     | 0.008   |     |     |        |      |
| 7          | 123.0  | 126.0 | 0.03   |     |     | < 0.002 |     |     |        |      |
| 8          | 126.0  | 129.0 | 0.03   |     |     | < 0.002 |     |     |        |      |
| 9          | 129.0  | 132.0 | 0.03   |     |     | 0.002   |     |     |        |      |
| 38790      | 132.0  | 135.0 | < 0.01 |     |     | < 0.002 |     |     |        |      |
| 1          | 135.0  | 138.0 | < 0.01 |     |     | < 0.002 |     |     |        |      |
| 2          | 138.0  | 141.0 | 0.01   |     |     | < 0.002 |     |     |        |      |
| 3          | 141.0  | 144.0 | 0.02   |     |     | 0.002   |     |     |        |      |
| 4          | 144.0  | 147.0 | 0.02   |     |     | 0.002   |     |     |        |      |
| 5          | 147.0  | 150.0 | 0.02   |     |     | < 0.002 |     |     |        |      |
| 6          | 150.0  | 153.0 | 0.03   |     |     | 0.007   |     |     |        |      |
| 7          | 153.0  | 156.0 | 0.02   |     |     | < 0.002 |     |     |        |      |
| 8          | 156.0  | 159.0 | 0.02   |     |     | 0.002   |     |     |        |      |
| 9          | 159.0  | 162.0 | 0.01   |     |     | 0.002   |     |     |        |      |
| 38800      | 162.0  | 165.0 | 0.03   |     |     | < 0.002 |     |     |        |      |
| 1          | 165.0  | 168.0 | 0.03   |     |     | < 0.002 |     |     |        |      |
| 2          | 168.0  | 171.0 | 0.02   |     |     | < 0.002 |     |     |        |      |
| 3          | 171.0  | 174.0 | 0.02   |     |     | < 0.002 |     |     |        |      |
| 4          | 174.0  | 177.0 | 0.13   |     |     | 0.002   |     |     |        |      |
| 5          | 177.0  | 180.0 | 0.10   |     |     | 0.002   |     |     |        |      |
| 6          | 180.0  | 183.0 | 0.05   |     |     | 0.003   |     |     |        |      |
| 7          | 183.0  | 186.0 | 0.04   |     |     | 0.002   |     |     |        |      |
| 8          | 186.0  | 189.0 | 0.06   |     |     | 0.004   |     |     |        |      |
| 9          | 189.0  | 192.0 | 0.03   |     |     | 0.002   |     |     |        |      |
| 38810      | 192.0  | 195.0 | 0.01   |     |     | 0.002   |     |     |        |      |
| 1          | 195.0  | 198.0 | 0.05   |     |     | 0.002   |     |     |        |      |
| 2          | 198.0  | 201.0 | 0.04   |     |     | 0.002   |     |     |        |      |
| 3          | 201.0  | 204.0 | 0.04   |     |     | 0.002   |     |     |        |      |
| 4          | 204.0  | 207.0 | 0.17   |     |     | 0.003   |     |     |        |      |
| 5          | 207.0  | 210.0 | 0.13   |     |     | 0.003   |     |     |        |      |
| 6          | 210.0  | 213.0 | 0.07   |     |     | 0.002   |     |     |        |      |
| 38817      | 213.0  | 216.0 | 0.15   |     |     | 0.003   |     |     |        |      |





APPENDIX C

Statements of Qualification

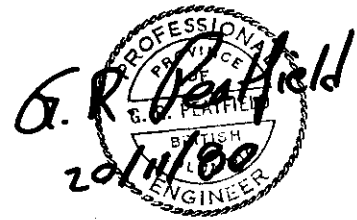
STATEMENTS OF QUALIFICATION

R.E. Meyers - Geologist

R.E. Meyers holds an M.Sc. degree in Geology from McGill University, granted in 1979. He has been employed by Texasgulf since December 1979, based in Vancouver.

H.R. Schmitt - Geologist

H.R. Schmitt obtained his B.Sc. degree in Geology from the University of British Columbia in 1977. He has been employed in a variety of positions by Texasgulf, for summer seasons from 1975, and was continuously employed by the Company from April 1978 to Sept. 1979. He is presently enrolled in post-graduate studies at U.B.C.



APPENDIX D

Statement of Expenditures

STATEMENT OF EXPENDITURES

GOAT-80 GROUP

(Diamond Drilling)

SALARIES AND FRINGE BENEFITS, TEXASGULF INC.

|   |                 |          |
|---|-----------------|----------|
| R.E. Meyers - Geologist<br>Period Aug 9-31, 23 days @ \$120       | 2,760.00        |          |
| H.R. Schmitt - Geologist<br>Period July 28-Aug 11, 10 days @ \$90 | 900.00          |          |
| J. Pattison - Assistant<br>Period Aug 1-30, 27 days @ \$40        | <u>1,080.00</u> |          |
|   | 4,740.00        | 4,740.00 |

ROOM AND BOARD

|  |                 |          |
|--|-----------------|----------|
| Field personnel 60 man-days @ \$40                                   | 2,400.00        |          |
| Longyear 80 man-days @ \$40  | <u>3,200.00</u> |          |
| (includes cook's wages, mobilization,<br>shipping, expediting, etc.) | 5,600.00        | 5,600.00 |

HELICOPTER SUPPORT

|   |                 |           |
|---|-----------------|-----------|
| Texasgulf Bell 206B 77.4 hrs @ \$330                                  | 25,542.00       |           |
| Frontier Helicopters Bell 205 (pro-rated<br>share of invoice)         | 3,000.00        |           |
| Northern Mountain Helicopters Bell 205,<br>Bell 206B (invoiced costs) | <u>8,365.00</u> |           |
|   | 36,907.00       | 36,907.00 |

DIAMOND DRILLING

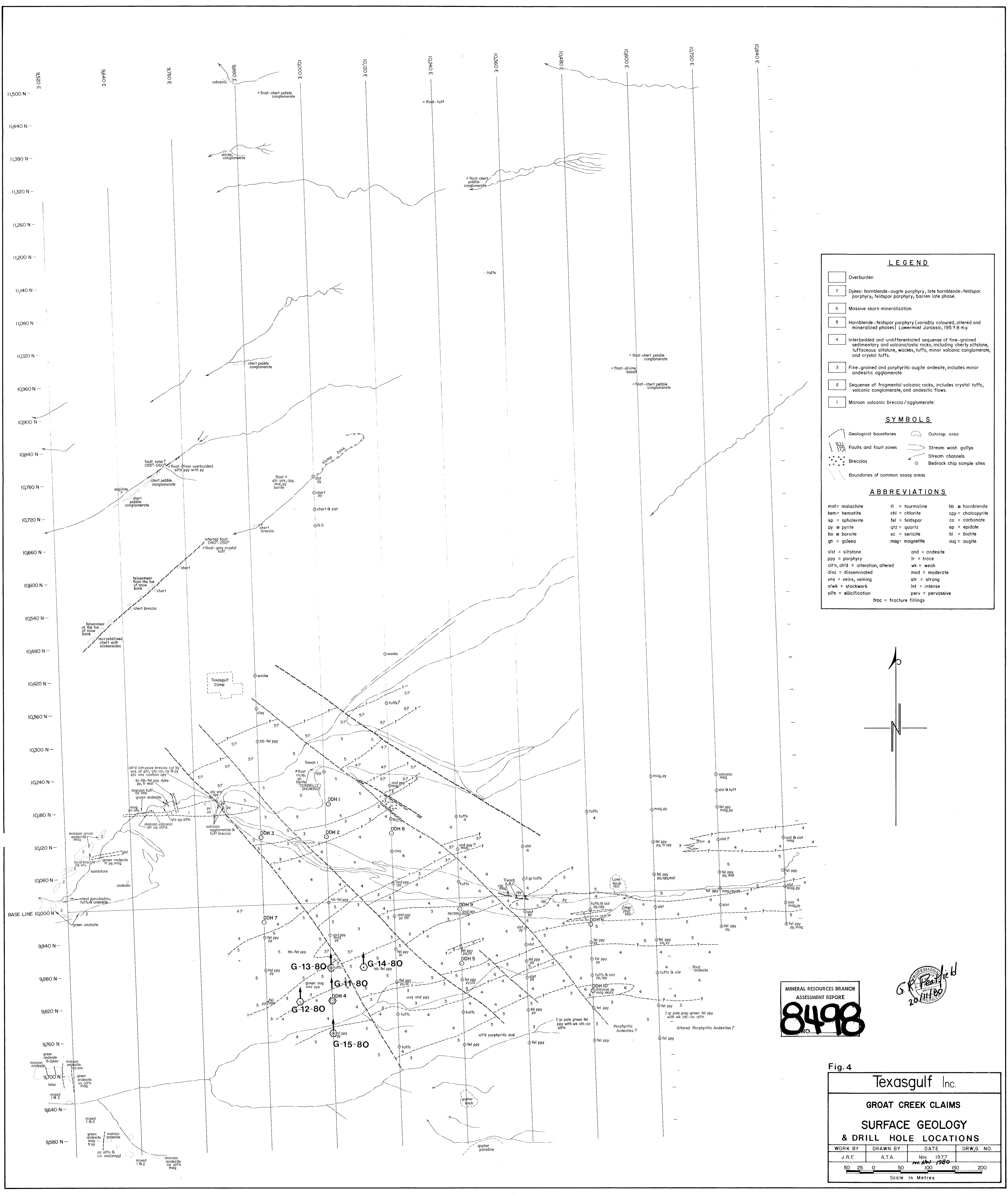
|  |  |           |
|--|--|-----------|
| Longyear Canada, invoice charges for<br>drilling, survey, core boxes, equipment<br>left in hole, supplies, moving time, client<br>delays, mobilization, etc. |  | 59,971.82 |
|--|--|-----------|

ANALYTICAL COSTS (Bondar-Clegg & Co. Ltd)

|                             |  |                 |
|-----------------------------|--|-----------------|
| 363 Cu, Au assays @ \$12.50 |  | <u>4,537.50</u> |
|-----------------------------|--|-----------------|

\$111,756.32





**LEGEND**

- Overburden
- 7 Dykes: hornblende-augite porphyry, late hornblende-feldspar porphyry, feldspar porphyry, barren late phase.
- 6 Massive skarn mineralization.
- 5 Hornblende-feldspar porphyry (variably coloured, altered and mineralized phases) Lowermost Jurassic, 195 ± 8 my.
- 4 Interbedded and undifferentiated sequence of fine-grained sedimentary and volcanoclastic rocks, including cherty siltstone, lutefaceous siltstone, wackes, tuffs, minor volcanic conglomerate, and crystal tuffs.
- 3 Fine-grained and porphyritic augite andesite, includes minor andesitic agglomerate.
- 2 Sequence of fragmental volcanic rocks, includes crystal tuffs, volcanic conglomerate, and andesitic flows.
- 1 Maroon volcanic breccia/agglomerate.

**SYMBOLS**

- Geological boundaries
- Faults and fault zones
- Breccias
- Boundaries of common assay areas
- Outcrop area
- Stream wash gullies
- Stream channels
- Bedrock chip sample sites

**ABBREVIATIONS**

|                                    |                          |                    |
|------------------------------------|--------------------------|--------------------|
| mal = malachite                    | tl = tourmaline          | hb = hornblende    |
| hem = hematite                     | chl = chlorite           | cpy = chalcopyrite |
| sp = sphalerite                    | fel = feldspar           | ca = carbonate     |
| py = pyrite                        | qtz = quartz             | ep = epidote       |
| bo = bornite                       | sc = sericite            | bi = biotite       |
| gn = galena                        | mag = magnetite          | aug = augite       |
| slst = siltstone                   | and = andesite           |                    |
| ppy = porphyry                     | tr = trace               |                    |
| alt'n, alt'd = alteration, altered | wk = weak                |                    |
| diss = disseminated                | mod = moderate           |                    |
| vns = veins, veining               | str = strong             |                    |
| stwk = stockwork                   | int = intense            |                    |
| sil'n = silicification             | perv = pervasive         |                    |
|                                    | frac = fracture fillings |                    |

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**8498**



Fig. 4

**Texasgulf Inc.**

**GROAT CREEK CLAIMS**

**SURFACE GEOLOGY**

**& DRILL HOLE LOCATIONS**

| WORK BY | DRAWN BY | DATE      | DRW.G. NO. |
|---------|----------|-----------|------------|
| J.R.F.  | A.T.A.   | Nov. 1977 |            |

Scale in Metres

50 25 0 50 100 150 200