

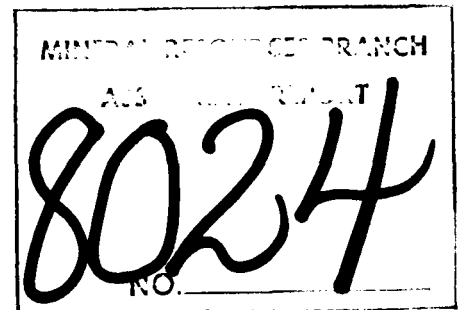
REPORT ON
DIAMOND DRILLING
by
G.R. Peatfield, P.Eng.
on the
BOYA 1, BOYA 7 and
DAVID THOMPSON MINERAL CLAIMS
(parts of the BOYA Property)

Situated west of Graveyard Lake
in the Liard Mining Division

59°15'N, 127°30'W
NTS 94M/3-6

owned by
TEXASGULF CANADA LTD.

work by
TEXASGULF INC.



May 1980

Vancouver, B.C.

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
Location, Access and Terrain	1
Property History and Definition	1
Summary of Work Completed	5
Diamond drilling	5
Work distribution	5
GEOLOGY	5
DIAMOND DRILLING	5
BIBLIOGRAPHY	7
APPENDIX A: Summary Drill Logs	
APPENDIX B: Summary of Assays & Analyses	
APPENDIX C: Statements of Qualification	
APPENDIX D: Statements of Expenditure	

LIST OF FIGURES

<u>Fig. No.</u>	<u>Title</u>	<u>Scale</u>	<u>Page</u>
1	Location Map	c. 1:9,100,000	2
2	Detailed Location Map	1:250,000	3
3	Claim Grouping Sketch	1:50,000	4
4	Geology - Main Face Area	1:2,500	in pocket
5	Geology - West Hill Area	1:2,500	in pocket

INTRODUCTION

Location, Access and Terrain

The BOYA property is located immediately northeast of the confluence of the Kechika and Turnagain Rivers, in northeastern British Columbia (see Figure 1). The nearest supply and transportation centre is Watson Lake, Yukon, some 115 km to the northwest.

Access to the claims is presently by helicopter from various points on the Alaska Highway, the nearest being the settlement of Fireside, near the confluence of the Kechika and Liard Rivers some 50 km to the north-northeast. Fixed-wing aircraft can land at Graveyard Lake (see Figure 2), where the present base-camp is located. There is no road access to the area.

The claims are located in the extreme southwestern corner of the Liard Plain and cover a small hill rising some 300 m above a surrounding gravel-covered area. The maximum elevation on the hill is approximately 1050 m. Local relief is abrupt, especially along the eastern side of the hill (the 'Main Face' area), but the surface is subdued in areas of extensive overburden. Forest cover is nearly complete, commonly comprising dense second growth, in large burned areas, which makes foot travel difficult. Open grass-covered slopes are found on the southern and southeastern portions of the hill. Water on the property is scarce, but abundant supplies are available within a few kilometres.

Property History and Definition

The first BOYA claims were located in June 1977, with additional staking during 1978 and 1979. 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 (Peatfield, et al, 1978; Peatfield, 1979a, 1979b, 1979c).

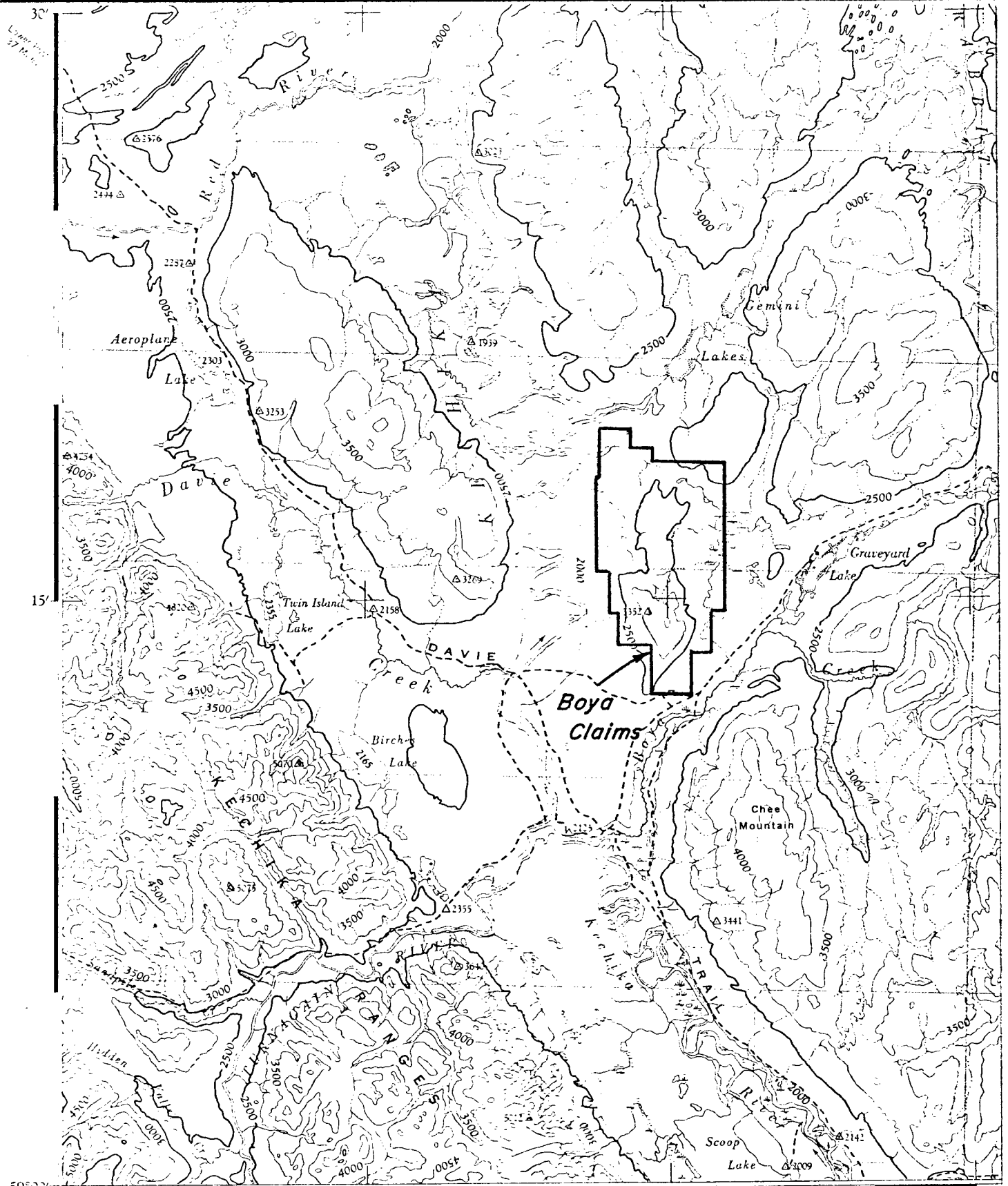
LOCATION MAP

Figure 1.

BOYA CLAIMS

c. 200 km





Map Sheet 94M - "Rabbit River"

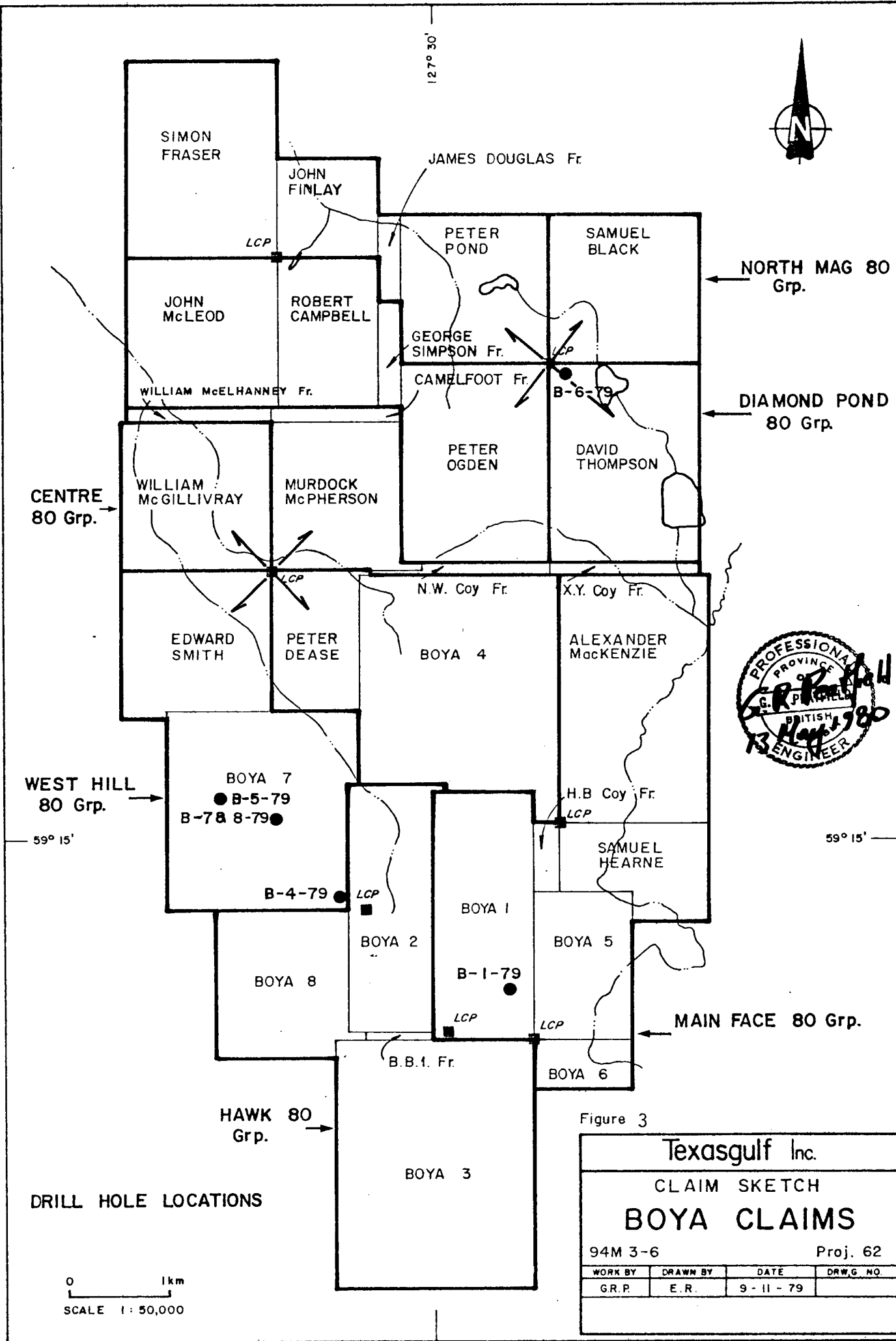
Texasgulf Inc.

Figure 2
Detailed Location Map
BOYA CLAIMS

WORK BY	DRAWN BY	DATE	DRWG. NO.

2500	0	2500	5000	7500	10,000
Scale in Metres					

127° 30'



NORTH MAG 80 Grp.

DIAMOND POND 80 Grp.

CENTRE 80 Grp.

WEST HILL 80 Grp.

59° 15'

59° 15'

MAIN FACE 80 Grp.

HAWK 80 Grp.

DRILL HOLE LOCATIONS

0 1km
SCALE 1:50,000



Figure 3

Texasgulf Inc.			
CLAIM SKETCH			
BOYA CLAIMS			
94M 3-6		Proj. 62	
WORK BY	DRAWN BY	DATE	DRWG. NO.
G.R.P.	E.R.	9-11-79	

During the 1979 field season, the property was expanded to its present size of 22 MGS claims and eight fractional claims, totalling 228 units (see Figure 3).

Summary of Work Completed

Diamond drilling

During the period June 10 to August 28, 1979, a total of 8 BQ diamond drill holes were completed on the BOYA property. Of these, 2 have been reported on already (Peatfield, 1979c). The remaining holes totalled 1,046.8 m, including one hole which had 36 m of overburden and no bedrock. Most cores were analyzed for MoS_2 (or Mo), WO_3 (or W), and Cu.

Work distribution

The work described in this report was restricted to the BOYA 1, BOYA 7, and David Thompson mineral claims. (see Figure 3).

GEOLOGY

The geology of the property has been described in a previously submitted assessment work report (Peatfield, 1979a). Geology maps of relevant portions of the property, showing drill hole locations, are included with this report (Figures 4,5).

DIAMOND DRILLING

This report concerns the results of the major portion of a diamond drilling programme undertaken during 1979 on the BOYA property. Six BQ holes are considered (see Figures 3, 4 and 5), as follows:

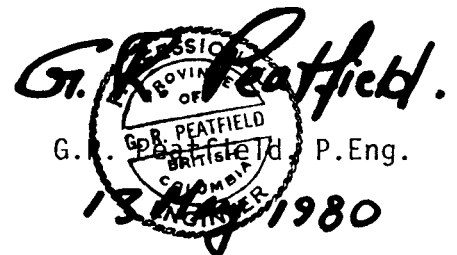
B-1-79	on BOYA 1	297.8 m	
B-4-79	on BOYA 7	246.0 m	
B-5-79	on BOYA 7	242.0 m	
B-6-79	David Thompson	36.0 m (overburden)	
B-7-79	on BOYA 7	25.6 m	} same setup
B-8-79	on BOYA 7	199.4 m	

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.

All holes except B-6-79 were drilled to test surface showings of molybdenite and scheelite, both in skarns and altered intrusive rocks, and to test the extent of the alteration system. Hole B-6-79 was designed to test geophysical (magnetometer and I.P.) anomalies in an area of extensive overburden cover. This hole unfortunately did not reach bedrock.

The results shown in the logs and summaries of assays indicate that the holes intersected portions of a molybdenite and scheelite-bearing mineralization system associated with one or more bodies of highly altered, quartz-veined porphyritic intrusive rock. Grades encountered to date are, for the most part, very low, but are certainly interesting enough to encourage further work.

G. R. Peatfield.
G. R. PEATFIELD P. Eng.
13 FEBRUARY 1980



BIBLIOGRAPHY

- PEATFIELD, G.R. 1979a. Report on geological, geochemical and geophysical surveys and line-cutting on the BOYA NO. 1-8, B.B. 1 Fr. Mineral Claims. Report submitted to the British Columbia Ministry of Energy Mines and Petroleum Resources for assessment work credit, May 1979.
- PEATFIELD, G.R., 1979b. Report on a geochemical survey on the BOYA NO. 3 Mineral Claim. Report submitted to the British Columbia Ministry of Energy, Mines and Petroleum Resources for assessment work credit, July 1979.
- PEATFIELD, G.R. 1979c. Report on diamond drilling on the BOYA NO. 7 Mineral Claim. Report submitted to the British Columbia Ministry of Energy, Mines and Petroleum Resources for assessment work credit, Sept. 1979.
- PEATFIELD, G.R., NEWELL, J.M., and BOYLE, P.J.S. 1978. Report on geological and geochemical surveys and topographic mapping on the BOYA NO. 1 to 4 Mineral Claims. Report submitted to the British Columbia Ministry of Mines and Petroleum Resources for assessment work credit, June 1978.

APPENDIX A

Summary Drill Logs

PROPERTY: BOYA		<h1 style="margin: 0;">TEXASGULF INC.</h1> <h2 style="margin: 0;">DRILL HOLE LOG</h2>		HOLE NO. DDH-R-1-79										
LOCATION(grid)				CLAIM: BOYA 1										
LOCATION(survey) 7,068N, 6,367E				SECTION:										
AZIM: 190° ELEV: 954 m DIP: -70°				LOGGED BY: G.R. Peatfield										
DEPTH: 297.8 m CORE SIZE: B.Q.		DIP TEST		DATE LOGGED: June 15-28, 1979										
STARTED: June 14, 1979		<table border="1" style="margin: auto;"> <tr> <th>DEPTH</th> <th>AZIM</th> <th>DIP</th> </tr> <tr> <td>152.4 m</td> <td>168°</td> <td>-75°</td> </tr> <tr> <td>237.7 m</td> <td>167°</td> <td>-74°</td> </tr> </table>		DEPTH	AZIM	DIP	152.4 m	168°	-75°	237.7 m	167°	-74°	DRILLING CO.: Longyear Canada	
DEPTH	AZIM			DIP										
152.4 m	168°			-75°										
237.7 m	167°	-74°												
COMPLETED: June 23, 1979														
CORE RECOVERY: Good to locally poor														
DEPTH		REC'Y	DESCRIPTION											
FROM	TO													
0	2.7 m	-	Overburden, cased.											
2.7	2.9 m	99%	White, finely banded calc-silicate hornfels or "porcellanite"											
2.9	12.9 m	90%	Pale green altered quartz-feldspar porphyry, with abundant 5 to 10 mm quartz and quartz-carbonate veins carrying pyrite, pyrrhotite, and traces of arsenopyrite, scheelite and molybdenite.											
12.9	38.8 m	90-95%	Complex section of interbanded pale and dark calc-silicate hornfels and skarn. There are some layers (10 to 30 cm) of dark pyrrhotite -diopside-garnet (?) skarn. Most skarn types are very finely banded. Quartz veins, almost all apparently vertical, are common and contain pyrite and pyrrhotite with lesser amounts of chalcopyrite, sphalerite and traces of scheelite. Small amounts of scheelite are disseminated in pyrrhotitic skarn.											
38.8	40.3 m	95%	Breccia, consisting of fragments of porcellanite and vein quartz, and some quartz-carbonate vein material.											
40.3	81.3 m	99%	Interbanded skarn types as above breccia zone. Generally speaking, lighter-coloured rocks predominate. Entire section is cut by parallel veins as described above and by myriad fractures with dark alteration selvages. Quartz veins carry pyrite, pyrrhotite and traces of chalcopyrite, sphalerite, arsenopyrite, and scheelite.											
81.3	88.8 m	100%	Pale green altered quartz-feldspar porphyry with a good stockwork of quartz veinlets with traces of molybdenite.											

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO.
DDH-B-179PAGE NO.
2

DEPTH		REC'Y	DESCRIPTION
FROM	TO		
88.8	115.5 m	100%	Return to section of finely banded light and dark coloured skarns or porcellanite. There are numerous 2 to 5 cm bands of dark green coarser skarn with abundant pyrrhotite. As before, the rocks are cut by 5 to 10 mm quartz veins with pyrrhotite, pyrite, and traces of sphalerite, chalcopyrite and scheelite, and also by many fractures with dark alteration selvages. Veins and fractures are mostly parallel and steep or vertical. Near the bottom of this section are several larger (to 10 cm) quartz veins.
115.5	117.0 m	100%	Pale green, feldspathic, weakly porphyritic rock, probably a tuff, with a stockwork of fine quartz stringers.
117.0	143.0	100%	Rocks continue to be finely banded, variously coloured pale to dark skarns, often with contorted banding. There is a tendency for the veins and fractures to be more randomly oriented. Quartz and quartz-carbonate veins and veinlets contain pyrrhotite, pyrite, and traces of chalcopyrite, molybdenite, scheelite, and sphalerite. Molybdenite appears to be concentrated in the earliest stage of veining.
143.0	147.5 m	98%	Black pyritic fault gouge, with quartz veins showing heavy pyrite, some sphalerite, and traces of molybdenite.
147.5	168.0	75-95%	Back into badly fractured, veined pale skarn or porcellanite, with local short sections of brecciation. Some sections have strong quartz veining with abundant pyrite, traces of molybdenite and scheelite.
168.0	204.0 m	50-90%	This section begins with a few centimetres of pale green tuff (?) followed by dull brown or purplish hornfels, often with badly contorted banding. There is evidence of veining, followed by brecciation and then by faulting. There is a one metre section, from 188 to 189 m, of dark green mafic-rich rock, probably volcanic. Sulphide mineralization is sparse throughout the section, but there is some pyrite and traces of molybdenite and scheelite, mostly in quartz veinlets. Lower in the section, some quartz veins also carry pyrrhotite and chalcopyrite.

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO.
DDH-B-1-79PAGE NO.
3

DEPTH		REC'Y	DESCRIPTION
FROM	TO		
204.0	206.0 m	80%	Highly altered pale green quartz porphyry, with a weakly developed quartz vein stockwork with traces of molybdenite.
206.0	212.0 m	75%	Strong fault zone, affecting intrusive rock and porcellanite. There has been strong pre-fault quartz veining with locally moderate molybdenite mineralization. Molybdenite also occurs as "paint" on slip surfaces in fault gouge.
212.0	215.5 m	75%	Dominantly intensely silicified pale green porcellanite, with moderate molybdenite mineralization.
215.5	232.0 m	25-95%	This is a major fault zone, locally with very poor recovery. The rocks involved are pale green intrusives, which have been strongly quartz veined and have weak to locally strong molybdenite mineralization. Some short sections would best be termed fault breccia.
232.0	251.2 m	90-95%	Pale green, highly altered quartz porphyry intrusive, with moderate to strong quartz veining and consistent sparse molybdenite mineralization. Locally, the rock shows a feldspar porphyry phase.
251.2	253.2 m	85%	Dark purplish hornfels, with strong fracturing and some quartz veinlets.
253.2	262.0 m	60-80%	Pale green altered intrusive rock, badly fractured and sheared. Some short fault sections have black chloritic gouge. Quartz veins are not common, and the extremely weak molybdenite mineralization is restricted to the veins.
262.0	269.5 m	60-80%	This section is structurally much as above but darker and may be skarn.
269.5	278.0 m	25-50%	Pale green altered intrusive rock, with locally strong quartz veining. Long sections of core were ground. There is a tendency towards an increase in the amount of coarse sericite associated with quartz veins.
278.0	287.4 m	85%	The rock is essentially as above, but with less faulting and better recovery. Quartz veining is strong and carries traces of molybdenite and scheelite. There is a tendency here for black shiny biotite to occur in the less altered portions of the intrusive rock, between the quartz veins.

PROPERTY: BOYA		TEXASGULF INC. DRILL HOLE LOG		HOLE NO. DDH-B-4-79										
LOCATION (grid)				CLAIM: BOYA 7										
LOCATION (survey) 7,955N; 4,764E				SECTION:										
AZIM: 340° ELEV: 1,021 m DIP: -70°				LOGGED BY: H.R. Schmitt										
DEPTH: 246 m CORE SIZE: B.O.		DIP TEST		DATE LOGGED: Aug 3-12, 1979										
STARTED: Aug. 3, 1979		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th>DEPTH</th> <th>AZIM</th> <th>DIP</th> </tr> <tr> <td>225 m</td> <td>357°</td> <td>-73°</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		DEPTH	AZIM	DIP	225 m	357°	-73°				DRILLING CO.: Longyear Canada	
DEPTH	AZIM			DIP										
225 m	357°	-73°												
COMPLETED: Aug. 7, 1979														
CORE RECOVERY: fair to excellent														
DEPTH		REC'Y	DESCRIPTION											
FROM	TO													
0	2.1 m	-	Overburden, cased.											
2.1	9.8 m	75%	Section of complexly veined pale green skarn and hornfels, with some short sections of semi-massive pyrrhotite carrying sparse chalcopyrite and traces of scheelite. Veins are quartz and quartz-carbonate with pyrite and pyrrhotite, with traces of chalcopyrite and scheelite.											
9.8	16.2 m	95%	Grey-white to greenish-grey limestone with short sections of grey calcareous metasilstone.											
16.2	23.1 m	95%	Various colours of thin banded to massive siliceous metasediments, with thin bands of limestone. There are a few short sections of heavy pyrrhotite with some chalcopyrite and numerous quartz veins with pyrite, pyrrhotite and traces of chalcopyrite.											
23.1	29.0	98%	Pale grey re-crystallized limestone with short sections of metamorphosed siltstone.											
29.0	37.5	98%	Creamy-white to pale brown or purple blotchy hornfels, probably derived from a slightly sandy siltstone. Mineralization is weak throughout the section, comprising sparse disseminated pyrite and pyrrhotite.											
37.5	50.6 m	80-90%	Grey to white slightly recrystallized limestone with a few short sections of pyrrhotitic siltstone and sparse carbonate veinlets.											
50.6	50.9 m	100%	Maroon and green hornfels with a few millimetres of weak pyrrhotite-diopside skarn at the base.											

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO.
DDH-B-4-79PAGE NO.
2

DEPTH		REC'Y	DESCRIPTION
FROM	TO		
50.9	52.7 m	90%	Grey limestone as above, with fault contact below.
52.7	54.1 m	90%	Maroon to brown to locally green meta siltstone.
54.1	60.7 m	98%	Massive grey limestone, locally showing bedding at about 40° to core.
60.7	61.4 m	100%	Massive pyrrhotite with some pyrite and traces of chalcopyrite and scheelite.
61.4	61.9 m	100%	Limestone, grading downward to hornfels.
61.9	75.0 m	95%	Weakly hornfels grey-green to green siliceous siltstone, with traces of disseminated pyrite and locally pyrrhotite. Near the base of the section are several clear quartz veinlets with weak pyrite mineralization cut by barren white quartz veins.
75.0	78.0 m	90%	Zone of semi-massive pyrrhotite made up of a mesh or network of veins, often with pyrite envelopes. Chalcopyrite is common, and there are traces of fine scheelite.
78.0	78.5 m	100%	Massive pyrite.
78.5	100.3 m	90-98%	Pale green to pale grey-green or buff weakly metamorphosed siliceous siltstone, locally with sparse disseminated pyrite. A few quartz veins carry weak pyrite and traces of chalcopyrite.
100.3	101.5 m	100%	Semi-massive pyrrhotite with some pyrite and traces of chalcopyrite.
101.5	102.2 m	100%	Light coloured siltstone as above.
102.2	102.6 m	100%	Short section of brown to green siliceous siltstone carrying sparse 2 to 3 mm pale grey quartz grains.
102.6	112.4 m	98%	Weakly metamorphosed light-coloured siltstone and locally sandy siltstone. Some sections are weakly quartz veined, and there are weak pyrite and traces pyrrhotite in the veins. A few veins also contain very rare molybdenite and traces of a silvery-grey mineral which might be bismuthinite.
112.4	113.6 m	98%	Fault breccia.
113.6	178.0 m	40-95%	Long section of dominantly siliceous siltstone and shorter sections of coarser silty sandstone. Rocks are weakly metamorphosed to hornfels, with only very weak pyrite

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO.
DDH-B-4-79

PAGE NO.
3

DEPTH		REC'Y	DESCRIPTION
FROM	TO		
113.6	178.0 m	40-95%	mineralization disseminated throughout. Sparse quartz veinlets carry a little pyrite and rare traces of molybdenite, arsenopyrite and probably bismuthinite. The rock colours vary from pale green or grey to darker purplish-brown.
178.0	179.8 m	80%	Pale brown to grey medium-grained quartz-feldspar porphyry.
179.8	184.7 m	50-80%	Pale brown to grey weakly metamorphosed siltstone.
184.7	194.0 m	60%	Light grey to greenish-grey medium-grained quartz-feldspar porphyry intrusive. The rock is very weakly veined with narrow quartz veinlets carrying very sparse traces of molybdenite.
194.0	207.0 m	85%	Weakly metamorphosed siltstone and siliceous siltstone ranging in colour from dark green to pale grey. Rare quartz veinlets carry traces of pyrite.
207.0	208.2 m	90%	Strong fault, followed by very strongly altered (to sericite) pale quartz-feldspar porphyry intrusive.
208.2	212.2 m	90%	Less altered quartz-biotite-feldspar porphyry, with essentially no quartz veining.
212.2	246.0 m	25-90%	Pale grey relatively unaltered siltstone and sandy siltstone, with only very little pyrite mineralization on fractures and in rare quartz veinlets.
			E.O.H. at 246.0 m

G. R. Peatfield
 13 JUN 1980
 PROFESSIONAL ENGINEER
 G. R. PEATFIELD
 13 JUN 1980

PROPERTY: BOYA		TEXASGULF INC. DRILL HOLE LOG		HOLE NO. DDH-B-5-79										
LOCATION (grid)				CLAIM: BOYA 7										
LOCATION (survey) 8,992N; 3,502E				SECTION:										
AZIM: 360° ELEV: 822 m DIP: -70°				LOGGED BY: H.R. Schmitt										
DEPTH: 242 m CORE SIZE: B.O.		DIP TEST		DATE LOGGED: Aug 12-19, 1979										
STARTED: Aug. 10, 1979		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th>DEPTH</th> <th>AZIM</th> <th>DIP</th> </tr> <tr> <td>120 m</td> <td>360°</td> <td>-62°</td> </tr> <tr> <td>240 m</td> <td>014°?</td> <td>-61°</td> </tr> </table>		DEPTH	AZIM	DIP	120 m	360°	-62°	240 m	014°?	-61°	DRILLING CO.: Longyear Canada	
DEPTH	AZIM			DIP										
120 m	360°	-62°												
240 m	014°?	-61°												
COMPLETED: Aug. 15, 1979														
CORE RECOVERY: good to excellent														
DEPTH		REC'Y	DESCRIPTION											
FROM	TO													
0	3.3 m	-	Overburden (casing reamed to 6.1 m)											
3.3	18.0 m	30-80%	Light green to grey, thinly banded and weakly skarnified metasediments, probably derived from siliceous siltstone. The rocks contain widespread finely disseminated pyrrhotite and are cut by a few randomly oriented quartz stringers carrying pyrrhotite and pyrite, with traces of arsenopyrite and chalcopyrite.											
18.0	20.0 m	50%	Fault zone, with poor recovery.											
20.0	48.0 m	90%	Light coloured silty quartzite with thin bands of siliceous siltstone, moderately metamorphosed. These rocks have very weak disseminated pyrite mineralization and are cut by sparse quartz veinlets with traces of pyrite and rarely molybdenite, which seems to be restricted to earlier formed veinlets.											
48.0	57.7 m	95%	Patchily coloured siliceous hornfels, weakly fractured and with a very few thin quartz veinlets carrying traces of pyrite and molybdenite.											
57.7	62.0 m	95%	Medium-grained, weakly altered quartz-biotite-feldspar porphyry, with a few barren quartz veinlets in the lower half of the section.											
62.0	132.5 m	80-95%	Weakly hornfelsed, locally strongly contorted, finely banded siltstone and siliceous siltstone. The rocks are weakly fractured, and the fractures carry small amounts of pyrite. Sparse quartz veinlets contain traces of pyrite and rare chalcopyrite.											
			Rock colours vary from grey-green to pale brown or grey. The rocks are well banded											


DEPTH		REC'Y	DESCRIPTION
FROM	TO		
62.0	132.5 m	80-95%	and where uncontorted the bands (bedding?) are nearly normal to the core axis.
132.5	146.5 m	98%	Rocks change to interbedded hornfels and dark skarn, grading downward to dominantly skarns, very fine-grained, with narrow bands of grey marble. There are a few very short (5 to 10 cm) bands of semi-massive pyrrhotite (with diopside) carrying sparse scheelite. Other minerals present, in irregular veins and patches, are pyrite with traces of chalcopyrite and sphalerite.
146.5	177.0 m	97%	Weakly hornfelsed siltstone and siliceous siltstone, generally pale green, grey or brown. Mineralization is essentially restricted to weak pyrite disseminations and fracture fillings. Quartz veining is essentially absent.
177.0	207.5 m	99%	Rocks are much as described above, but there are more common fractures and quartz stringers with pyrite, pyrrhotite and traces of molybdenite. Between 188.3 and 188.5 m is a breccia zone containing fragments of siliceous material (vein?) containing hairline fractures carrying molybdenite. At 200.5 m, a molybdenite veering fracture cuts what looks like a late barren quartz vein. Some sections of this rock show strong development of secondary biotite.
207.5	209.4 m	100%	Complex section of coarse breccia followed by very strongly altered metasediments followed by quartz-biotite-feldspar porphyry.
209.4	242.0 m	95%	Back to a long section of weakly hornfelsed, and possibly somewhat altered, pale coloured siltstones and siliceous siltstones. The rocks have weak disseminated pyrite and rare pyrrhotite, and sparse quartz veinlets and fractures carrying weak molybdenite mineralization, along with traces of chalcopyrite and sphalerite.
			E.O.H. at 242.0 m.



PROPERTY: BOYA	TEXASGULF INC. DRILL HOLE LOG	HOLE NO. DDH-B-7-79
LOCATION (grid)		CLAIM: BOYA 7
LOCATION (survey) 8,800N; 4,034E		SECTION:
AZIM: 340° ELEV: 898 m DIP: -70°		LOGGED BY: H.R. Schmitt
DEPTH: 25.6 m CORE SIZE: B.Q.	DIP TEST	DATE LOGGED: Aug. 19-20, 1979
STARTED: Aug. 18, 1979.		DRILLING CO.: Longyear Canada
COMPLETED: Aug. 19, 1979 (hole lost)		
CORE RECOVERY: very poor.		

DEPTH	AZIM	DIP

DEPTH		REC'Y	DESCRIPTION
FROM	TO		
0	2.4 m	-	Overburden, cased.
2.4	5.1 m	35%	Light coloured diopsidic skarn, with strong pyrrhotite and traces of scheelite and chalcopyrite.
5.1	7.7 m	70%	Essentially massive pyrrhotite with moderate scheelite and traces of chalcopyrite.
7.7	8.3 m	70%	Heavy disseminated pyrite.
8.3	10.0 m	10%	Fault zone with fragments of siliceous skarn.
10.0	12.0 m	15%	Siliceous, highly fractured, very pyritic metasediments. Quartz veinlets carry pyrite, traces of galena, molybdenite.
12.0	17.0	20%	Very similar siliceous metasediments, with strong quartz veins carrying pyrite, galena.
17.0	22.5 m	20%	Dominantly biotitic hornfels, with some faulting and common quartz veinlets with pyrite and traces of molybdenite, galena and sphalerite. Section ends in a 30 cm fault.
22.5	23.5 m	25%	Relatively unmineralized recrystallized carbonate.
23.5	25.6 m	70%	Massive, wispy pyrite, locally brecciated. Rare chalcopyrite.
			E.O.H. (hole abandoned)



R. P. Nichol

 13 May 1980

PROPERTY: BOYA		TEXASGULF INC. DRILL HOLE LOG		HOLE NO. DDH-B-8-79										
LOCATION (grid)				CLAIM: BOYA 7										
LOCATION (survey) 8,800N; 4,034E				SECTION:										
AZIM: 340° ELEV: 898 m DIP: -75°				LOGGED BY: H.R. Schmitt										
DEPTH: 199.4 m CORE SIZE: B.Q.		DIP TEST		DATE LOGGED: Aug. 21-28, 1979										
STARTED: Aug. 20, 1979		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th>DEPTH</th> <th>AZIM</th> <th>DIP</th> </tr> <tr> <td>103.6 m</td> <td>348°</td> <td>-75°</td> </tr> <tr> <td>195.1 m</td> <td>002°</td> <td>-75°</td> </tr> </table>		DEPTH	AZIM	DIP	103.6 m	348°	-75°	195.1 m	002°	-75°	DRILLING CO.: Longyear Canada	
DEPTH	AZIM			DIP										
103.6 m	348°	-75°												
195.1 m	002°	-75°												
COMPLETED: Aug. 26, 1979														
CORE RECOVERY: fair to good														
DEPTH		REC'Y	DESCRIPTION											
FROM	TO													
0	2.4 m	-	Overburden, cased.											
2.4	8.6 m	60%	Massive pyrrhotite with remnants of banded siliceous skarn, lesser amounts of pyrite and traces of chalcopyrite and scheelite.											
8.6	10.0 m	60%	Breccia, composed of dominantly pyrite, and to a lesser degree pyrrhotite fragments, with a carbonate matrix.											
10.0	13.5 m	10%	Very poor recovery in very highly fractured fine skarns and hornfels, abundant pyrite, and some quartz veins with coarse pyrite and sphalerite.											
13.5	18.0 m	10%	Fine, pale-coloured skarn and lesser hornfels cut by quartz veinlets with pyrite, sphalerite and traces of molybdenite.											
18.0	23.5 m	10%	Similar rocks with strong quartz veining carrying pyrite, lesser arsenopyrite, and traces of sphalerite, chalcopyrite, scheelite and molybdenite.											
23.5	24.5 m	25%	Very strong fault.											
24.5	26.0 m	40%	Semi-massive pyrite with lesser arsenopyrite, traces of scheelite and chalcopyrite. This material is cut by a few thin carbonate stringers.											
26.0	28.0 m	30%	Breccia composed of well-rounded fragments of siliceous skarn, in a matrix of chlorite, pyrite and clays.											
28.0	32.0 m	20%	Rock is much as previous section but badly faulted.											
32.0	34.1 m	65%	Fine-grained siliceous skarn and biotite hornfels cut by mostly barren quartz veins.											

DEPTH		REC'Y	DESCRIPTION
FROM	TO		
34.1	35.5 m	65%	Breccia, with slightly rotated fragments of siliceous skarn in a matrix of chlorite and pyrite, with traces of arsenopyrite, chalcopyrite and scheelite.
35.5	36.0 m	65%	This rock is similar to the previous section, but unbrecciated.
36.0	37.9 m	60%	Clay rich fault zone.
37.9	39.0 m	60%	Pale green fine-grained skarn with strong quartz veining, carrying pyrite, arsenopyrite, sphalerite and traces of molybdenite.
39.0	40.0 m	50%	Fault zone, with fragments of quartz veins.
40.0	41.0 m	50%	Very similar to section above previous fault.
41.0	42.3 m	50%	Strong fault.
42.3	68.4 m	50-80%	Dominantly pale green metamorphosed siliceous siltstone or skarn with shorter sections of hornfels and quartzite. Variable amounts of quartz veining with pyrite, lesser arsenopyrite, and traces of sphalerite, chalcopyrite, scheelite, and molybdenite. The rock also contains up to 5% disseminated pyrite.
68.4	68.6 m	100%	Light green sericitically altered quartz-feldspar porphyry dyke.
68.6	85.0 m	85-95%	Dominantly pale-coloured metamorphosed siliceous siltstone and some hornfels, with locally abundant quartz veins with pyrite, and traces of arsenopyrite, chalcopyrite, scheelite and rare molybdenite.
85.0	85.6 m	100%	Semi-massive pyrrhotite, with diopside, carrying small amounts of chalcopyrite and scheelite.
85.6	87.0 m	90%	Short section of intensely silicified and altered skarn or hornfels. Quartz veins with sericite carry pyrite and traces of chalcopyrite and molybdenite with some secondary biotite.
87.0	115.0 m	40-90%	Long section of somewhat variable metamorphosed siltstone and siliceous siltstone which has for the most part been strongly altered by silicification and sericitization. Abundant quartz veins carry pyrite, and traces of chalcopyrite, molybdenite and sphalerite.

DEPTH		REC'Y	DESCRIPTION
FROM	TO		
115.0	116.2 m	90%	Massive pale grey altered siltstone with abundant 0.5 to 2.0 mm clots of pyrite-pyrrhotite, sometimes coalescing on fractures.
116.2	121.1 m	80%	Light grey-green hornfelsed siliceous siltstone, strongly fractured with some quartz veining with traces of pyrite, molybdenite and possibly bismuthinite.
121.1	123.6 m	80%	Dominantly white quartzite with sparse quartz veins and rare traces of molybdenite.
123.6	127.3 m	90%	Dark reddish-brown biotite hornfels with a few thin lenses of lighter coloured coarser silty rock.
127.3	136.2 m	40-90%	Light greenish "speckled" quartzite, with only sparse quartz veins carrying traces of pyrite and rare molybdenite.
136.2	141.8 m	40%	Major fault zone, with gouge rich in sericite and clays.
141.8	144.0 m	40%	Essentially as above, but more fractured and less faulted.
144.0	145.0 m	50%	Breccia composed of fragments of quartz or very siliceous rock set in a quartz, sericite, carbonate matrix.
145.0	147.5 m	50%	Light greenish-grey to olive grey hornfelsed massive siltstone and silty sandstone, with weak quartz veining and a little secondary biotite. Mineralization consists of weak pyrite and traces of sphalerite.
147.5	151.5 m	70%	Fractured and locally faulted fine-grained hornfelsed siltstone, with weak quartz veining and traces of pyrite, rare molybdenite.
151.5	153.8 m	75%	Light grey-green quartzite, with strong quartz veins carrying coarse pyrite, some galena and arsenopyrite, and traces of molybdenite.
153.8	157.0 m	75%	Mixed metamorphosed light-coloured siltstone and darker greenish biotite hornfels. These rocks have some quartz veining.
157.0	162.2 m	90%	Lighter, more altered siltstone. This section of core consists largely of a quartz vein parallel to the core axis. The vein contains small amounts of pyrite, sphalerite and galena with traces of molybdenite.

APPENDIX B

Summary of Assays & Analyses

PROPERTY: BOYAHOLE No.: DDH-B-1-79 PAGE 1 of 3LATITUDE: 7,068N AZIMUTH: 190° INCLINATION: 168° / -75° at 152.4 mLONGITUDE: 6,367E DIP: -70° INCLINATION: 167° / -74° at 237.7 mELEVATION: 954 m INCLINATION: / at

SAMPLE No.	METRES		MoS ₂		Mo	WO ₃		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
18001	2.7	6.0	<0.002			<0.01				
2	6.0	9.0	<0.002			0.02				
3	9.0	12.0	<0.002			0.04				
4	12.0	15.0	<0.002			0.01				
5	15.0	18.0	<0.002			0.01				
6	18.0	21.0	<0.002			0.03				
7	21.0	24.0	0.003			0.02				
8	24.0	27.0	0.010			<0.01				
9	27.0	30.0	0.003			<0.01				
18010	30.0	33.0	0.007			0.03				
1	33.0	36.0	0.017			0.07				
2	36.0	39.0	0.003			0.03				
3	39.0	42.0	0.003			0.03				
4	42.0	45.0	0.003			0.05				
5	45.0	48.0	0.005			0.04				
6	48.0	51.0	0.005			0.04				
7	51.0	54.0	0.005			0.04				
8	54.0	57.0	0.012			0.05				180
9	57.0	60.0	0.005			0.04				240
18020	60.0	63.0	0.003			0.10				480
1	63.0	66.0	0.003			0.08				260
2	66.0	69.0	0.003			0.07				280
3	69.0	72.0	0.008			0.05				192
4	72.0	75.0	0.005			0.05				195
5	75.0	78.0	0.020			0.07				320
6	78.0	81.0	0.008			0.09				240
7	81.0	84.0	0.040			0.03				120
8	84.0	87.0	0.007			0.02				50
9	87.0	90.0	0.013			0.05				360
18030	90.0	93.0	0.005			0.04				271
1	93.0	96.0	0.003			0.03				201
2	96.0	99.0	0.008			0.03				190
3	99.0	102.0	0.003			0.03				151
4	102.0	105.0	0.007			0.04				242
18035	105.0	108.0	0.005			0.05				261

PROPERTY: BOYAHOLE No.: DDH-B-1-79 PAGE 2 of 3

LATITUDE: _____ AZIMUTH: _____ INCLINATION: _____ / _____ at _____

LONGITUDE: _____ DIP: _____ INCLINATION: _____ / _____ at _____

ELEVATION: _____ INCLINATION: _____ / _____ at _____

SAMPLE No.	METRES		MoS ₂		Mo	WO ₂		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
18036	108.0	111.0	0.007			0.05				275
7	111.0	114.0	0.020			0.08				605
8	114.0	117.0	0.013			0.04				135
9	117.0	120.0	0.005			0.01				225
18040	120.0	123.0	0.008			0.05				344
1	123.0	126.0	0.008			0.02				308
2	126.0	129.0	0.048			0.02				215
3	129.0	132.0	0.018			0.02				235
4	132.0	135.0	0.006			0.05				415
5	135.0	138.0	0.017			0.07				332
6	138.0	141.0	0.018			0.04				364
7	141.0	144.0	0.032			0.05				371
8	144.0	147.0	0.042			0.05				276
9	147.0	150.0	0.020			0.06				243
18050	150.0	153.0	0.043			0.03				256
1	153.0	156.0	0.042			0.04				181
2	156.0	159.0	0.060			0.09				520
3	159.0	162.0	0.042			0.08				425
4	162.0	165.0	0.150			0.09				390
5	165.0	168.0	0.037			0.05				251
6	168.0	171.0	0.017			0.03				67
7	171.0	174.0	0.028			< 0.01				46
8	174.0	177.0	0.015			0.01				63
9	177.0	180.0	0.008			0.02				47
18060	180.0	183.0	0.007			< 0.01				78
1	183.0	186.0	0.007			< 0.01				38
2	186.0	189.0	0.017			< 0.01				66
3	189.0	192.0	0.018			0.01				107
4	192.0	195.0	0.005			0.02				
5	195.0	198.0	0.027			0.04				
6	198.0	201.0	0.013			0.03				
7	201.0	204.0	0.010			< 0.01				
8	204.0	207.0	0.074			0.01				
9	207.0	210.0	0.150			0.01				
18070	210.0	213.0	0.130			0.01				

PROPERTY: BOYAHOLE No.: DDH-B-4-79 PAGE 1 of 3LATITUDE: 7,955N AZIMUTH: 340° INCLINATION: 357° / -73° at 225LONGITUDE: 4,764E DIP: -70° INCLINATION: / at ELEVATION: 1,021 m INCLINATION: / at

SAMPLE No.	METRES		MoS ₂		Mo	WO ₂		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
18230	2.13	5.0			17	0.02				715
1	5.0	8.0			4	0.01				845
2	8.0	11.0			4	0.01				17
3	11.0	14.0			3			3		25
4	14.0	17.0			4			3		53
5	17.0	20.0			2			4		270
18236	20.0	23.0			1			205		17,000
18260	23.0	26.0			9			3		19
1	26.0	29.0			8			3		18
2	29.0	32.0			2			2		32
3	32.0	35.0			2			3		28
4	35.0	38.0			4			3		33
5	38.0	41.0			10			3		9
6	41.0	44.0			9			2		28
7	44.0	47.0			8			2		12
8	47.0	50.0			9			3		6
9	50.0	53.0			7			3		20
70	53.0	56.0			7			2		10
18271	56.0	59.0			8			3		6
18237	60.0	62.0			1	0.01		4	0.01	
18272	62.0	65.0			3			3		79
3	65.0	68.0			3			3		20
4	68.0	71.0			2			3		20
18275	71.0	73.0			3			3		103
18238	73.0	75.0			3	0.04		9	0.02	
9	75.0	77.0			1	0.05		405	0.22	
18240	77.0	79.0			2	0.06		630	0.10	
18276	79.0	83.0			2			3		63
7	83.0	86.0			2			3		79
8	86.0	89.0			2			3		69
9	89.0	92.0			1			3		39
80	92.0	95.0			3			3		51
1	95.0	98.0			2			3		53
18282	98.0	100.0			2			3		47

PROPERTY: BOYAHOLE No.: DDH-B-4-79 PAGE 2 of 3

LATITUDE: _____ AZIMUTH: _____ INCLINATION: _____ / _____ at _____

LONGITUDE: _____ DIP: _____ INCLINATION: _____ / _____ at _____

ELEVATION: _____ INCLINATION: _____ / _____ at _____

SAMPLE No.	METRES		MoS ₂		Mo	WO ₃		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
18241	100.0	102.0			15	< 0.01			<0.01	
18283	102.0	104.0			2			3		101
4	104.0	107.0			2			3		156
5	107.0	110.0			2			3		112
6	110.0	113.0			3			25		69
7	113.0	116.0			3			3		77
18288	116.0	119.0			1			3		51
18242	119.0	122.0			26					51
18243	122.0	125.0			13					80
18289	125.0	128.0			2			2		50
90	128.0	131.0			3			4		62
1	131.0	134.0			1			3		191
2	134.0	137.0			3			3		30
3	137.0	140.0			2			3		23
4	140.0	143.0			2			3		39
5	143.0	146.0			2			3		41
6	146.0	149.0			2			4		76
7	149.0	152.0			2			2		23
8	152.0	155.0			2			3		17
9	155.0	158.0			2			3		56
18300	158.0	161.0			1			4		13
1	161.0	164.0			2			4		44
2	164.0	167.0			2			3		32
3	167.0	170.0			2			3		78
4	170.0	173.0			2			3		44
18305	173.0	176.0			3			3		30
18244	176.0	179.0	0.003					2		
5	179.0	182.0	0.003					3		
6	182.0	185.0	0.002					3		
7	185.0	188.0	0.002					3		
8	188.0	191.0	0.002					2		
18249	191.0	194.0	0.002					90		
18306	194.0	197.0			10			3		25
7	197.0	200.0			6			3		38
18308	200.0	203.3			15			5		50

PROPERTY: BOYA

HOLE No.: DDH-B-5-79 PAGE 1 of 3

LATITUDE: 8,992N AZIMUTH: 360° INCLINATION: 360° / -62° at 120 m
 LONGITUDE: 3,502E DIP: -70° INCLINATION: 014°? / -61° at 240 m
 ELEVATION: 822 m INCLINATION: / at

SAMPLE No.	METRES		MoS ₂		Mo	WO ₃		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
18323	3.3	6.0			3			4		62
4	6.0	9.0			2			3		104
5	9.0	12.0			2			9		125
6	12.0	15.0			3			6		74
7	15.0	18.0			2			3		89
8	18.0	21.0			4			3		57
18329	21.0	24.0			5			3		33
18250	24.0	27.0	0.007					13		40
1	27.0	30.0	0.002					11		29
2	30.0	33.0	0.002					12		50
3	33.0	36.0	0.003					7		48
4	36.0	39.0	0.003					3		30
5	39.0	42.0	0.002					9		45
6	42.0	45.0	0.002					8		60
7	45.0	48.0	0.002					14		42
8	48.0	51.0	0.002					10		59
18259	51.0	54.0	<0.002					40		59
18330	54.0	57.0			1			3		39
1	57.0	60.0			2			3		59
2	60.0	63.0			2			3		79
3	63.0	66.0			1			4		80
4	66.0	69.0			2			3		63
5	69.0	72.0			1			3		41
6	72.0	75.0			2			3		47
7	75.0	78.0			1			4		59
8	78.0	81.0			2			4		63
9	81.0	84.0			3			3		58
18340	84.0	87.0			1			3		28
1	87.0	90.0			1			3		29
2	90.0	93.0			2			4		24
3	93.0	96.0			2			2		36
4	96.0	99.0			2			2		36
5	99.0	102.0			2			2		54
6	102.0	105.0			3			3		41
18347	105.0	108.0			5			3		41

LATITUDE: _____ AZIMUTH: _____ INCLINATION: _____ / _____ at _____

LONGITUDE: _____ DIP: _____ INCLINATION: _____ / _____ at _____

ELEVATION: _____ INCLINATION: _____ / _____ at _____

SAMPLE No.	METRES		MoS ₂		Mo	WO ₂		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
18348	108.0	111.0			2			2		48
9	111.0	114.0			7			3		32
18350	114.0	117.0			3			3		33
18501	117.0	120.0			2			8		33
2	120.0	123.0			1			2		41
3	123.0	126.0			2			3		86
4	126.0	129.0			< 1			4		39
5	129.0	132.0			1			3		67
6	132.0	135.0			2			8		94
7	135.0	138.0			2			3		89
8	138.0	141.0			5			150		415
9	141.0	144.0			2			18		118
18510	144.0	147.0			< 1			4		152
1	147.0	150.0			< 1			3		52
2	150.0	153.0			< 1			3		48
3	153.0	156.0			< 1			4		44
4	156.0	159.0			< 1			4		37
5	159.0	162.0			< 1			3		35
6	162.0	165.0			< 1			4		46
7	165.0	168.0			2			3		60
8	168.0	171.0			7			4		62
9	171.0	174.0			4			3		38
18520	174.0	177.0			2			3		32
1	177.0	180.0	0.003					4		28
2	180.0	183.0	0.007					3		36
3	183.0	186.0	0.003					4		33
4	186.0	189.0	0.010					3		38
18525	189.0	192.0	0.003					3		51
18526	192.0	195.0	0.002					3		26
7	195.0	198.0	0.002					3		34
8	198.0	201.0	0.002					4		50
9	201.0	204.0	0.002					4		57
18630	204.0	207.0	0.003					4		60
1	207.0	210.0	0.002					3		42
18632	210.0	213.0	0.003					4		29

Supplementary rock geochemistry

DDH-B-7-79

Sample #	Interval (m)	Pb (ppm)	Zn (ppm)	Ag (ppm)
18643	2.44 5.0	17	30	1.9
4	5.0 8.0	2	37	1.3
5	8.0 11.0	6	111	0.6
6	11.0 14.0	> 20,000	4,740	23.
7	14.0 17.0	1,400	13,030	54.
8	17.0 20.0	87	540	5.0
9	20.0 23.0	62	1,930	5.8
18650	23.0 25.6	14	525	1.2

note:

sample 18646 assayed 1.92% Pb.

LATITUDE: 8,800N AZIMUTH: 340° INCLINATION: 348° / -75° at 103.6 m
 LONGITUDE: 4,034E DIP: -75° INCLINATION: 002° / -75° at 195.1 m
 ELEVATION: 898 m INCLINATION: / at

SAMPLE No.	METRES		MoS ₂		Mo	WO ₂		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
18526	2.44	5.0	0.002			0.06			0.10	
7	5.0	8.0	<0.002			0.10			0.11	
8	8.0	11.0	<0.002			0.03			0.09	
9	11.0	14.0	0.003			0.02			0.02	
18530	14.0	20.0	0.002			0.03			0.02	
1	20.0	23.0	0.002			0.04			0.01	
2	23.0	29.0	0.003			0.11			0.08	
3	29.0	32.0	0.002			0.02			0.01	
4	32.0	35.0	0.002			0.01			0.02	
5	35.0	38.0	<0.002			0.01			0.02	
6	38.0	41.0	0.002			0.03			0.04	
7	41.0	44.0	<0.002			0.06			0.01	
8	44.0	47.0	<0.002			0.01				80
9	47.0	50.0	0.003			0.02				48
18540	50.0	53.0	0.002			0.01				90
1	53.0	56.0	0.002			0.06				36
2	56.0	59.0	0.003			0.03				53
3	59.0	62.0	0.002			0.03				43
4	62.0	65.0	0.002			0.01				47
5	65.0	68.0	<0.002			<0.01				27
6	68.0	71.0	0.002			<0.01				37
7	71.0	74.0	0.002			0.03				77
8	74.0	77.0	0.003			<0.01				45
9	77.0	80.0	0.003			0.01				157
18550	80.0	83.0	0.003			0.03				610
1	83.0	86.0	0.003			0.03				430
2	86.0	89.0	0.003			0.02				393
3	89.0	92.0	0.002			0.01				134
4	92.0	98.0	0.003			0.01				64
5	98.0	101.0	0.002			0.01				37
6	101.0	104.0	<0.002			<0.01				59
7	104.0	107.0	<0.002			0.01				80
8	107.0	110.0	0.002			0.01				53
9	110.0	113.0	0.003			0.01				58
18560	113.0	116.0	0.002			0.01				62

Supplementary rock geochemistry

DDH-B-8-79

Sample #	Interval (m)		Pb (ppm)	Zn (ppm)	Ag (ppm)
18526	2.44	5.0	4	40	1.6
7	5.0	8.0	4	162	0.7
8	8.0	11.0	8	267	0.6
9	11.0	14.0	22	1,820	2.5
18530	14.0	20.0	20	935	1.9
1	20.0	23.0	16	1,565	1.9
2	23.0	29.0	16	1,215	3.0
3	29.0	32.0	10	162	0.7
4	32.0	35.0	15	348	0.9
5	35.0	38.0	9	199	3.0
6	38.0	41.0	70	950	10.
18537	41.0	44.0	9	1,325	1.5

APPENDIX C

Statements of Qualification

STATEMENTS OF QUALIFICATION

W.D.B. Winfield - Geologist

W.D.B. Winfield holds an M.Sc. degree from the University of Western Ontario, granted in 1975. He was employed by Texasgulf from this time until May 1980, and has extensive experience in Canada and Panama.

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.

G.D. Dillabough - Assistant

G.D. Dillabough is a senior undergraduate student in Geology at Waterloo University. This was his second season of employment with Texasgulf.

J. Gosselin - Assistant

J. Gosselin is an undergraduate student in Geography and Geology at Université de Sherbrooke. This was his second field season of employment with Texasgulf.

R. Boase and D. Jefferson - Assistants

R. Boase and D. Jefferson were assistants hired for general labour. They reside in North Vancouver and Watson Lake respectively.



APPENDIX D

Statements of Expenditure

STATEMENT OF EXPENDITURES

MAIN FACE 80 GROUP

(Diamond Drilling)

SALARIES AND FRINGE BENEFITS - TEXASGULF INC.

G.R. Peatfield, P.Eng. Period June 10-22, 11 days @ \$150	1,650.00	
G. Dillabough - Assistant Period June 17-28, 6 days @ \$45	270.00	
J. Gosselin - Assistant Period June 13, 29, 2 days @ \$40	80.00	
	<u>2,000.00</u>	2,000.00

ROOM AND BOARD

Tg personnel 19 man-days @ \$50	950.00	
Longyear 52 man-days @ \$50 (includes fixed-wing, mob. & re-supply charges)	2,600.00	
	<u>3,550.00</u>	3,550.00

HELICOPTER (Texasgulf Bell 206B)

20 hours @ \$305.00		6,100.00
---------------------	--	----------

FIXED-WING CHARTER

portions of charter applicable to drilling		1,000.00
--	--	----------

DIAMOND DRILLING

Longyear invoice charges for drilling, survey, core boxes, supplies, moving time, etc., but exclusive of diamond costs.		27,653.40
---	--	-----------

ANALYTICAL COSTS

Bondar-Clegg invoices re assays	984.14	
Bondar-Clegg invoices re rock geochemistry	69.00	
	<u>1,053.14</u>	1,053.14

REPORT PREPARATION

G.R. Peatfield, P.Eng. 3 days @ \$150	450.00	
Secretarial, drafting, reproductions, etc.	250.00	
	<u>700.00</u>	700.00

42,056.54



STATEMENT OF EXPENDITURES

WEST HILL 80 GROUP

(Diamond Drilling)

SALARIES AND FRINGE BENEFITS - TEXASGULF INC.

G.R. Peatfield, P.Eng. Period Aug 17-22, 2 days @ \$150	300.00	
H.R. Schmitt - Geologist Period Aug. 3-28, 20 days @ \$65	1,300.00	
R. Boase - Assistant Period Aug. 8-27, 15 days @ \$35	525.00	
	<u>2,125.00</u>	2,125.00

ROOM AND BOARD

Tg personnel 37 man-days @ \$50	1,850.00	
Longyear 100 man-days @ \$50	5,000.00	
	<u>6,850.00</u>	6,850.00

HELICOPTER (Texasgulf Bell 206B)

35 hours @ \$305		10,675.00
------------------	--	-----------

FIXED-WING CHARTER

portions of charter applicable to drilling		1,250.00
--	--	----------

DIAMOND DRILLING

Longyear invoice charges for drilling, survey, core boxes, supplies, moving time, etc., but exclusive of diamond costs.		54,017.89
---	--	-----------

ANALYTICAL COSTS

Bondar-Clegg invoices re assays	1,868.84	
Bondar-Clegg invoices re rock geochemistry	1,425.03	
	<u>3,293.87</u>	3,293.87

REPORT PREPARATION

G.R. Peatfield, P.Eng. 3 days @ \$150	450.00	
Secretarial, drafting, reproductions, etc.	250.00	
	<u>700.00</u>	700.00

78,911.76



STATEMENT OF EXPENDITURES

DIAMOND POND 80 GROUP

(Diamond Drilling)

SALARIES AND FRINGE BENEFITS - TEXASGULF INC.

G.R. Peatfield, P.Eng. Period Aug 15-16, 1 day @ \$150	150.00	
W.D.B. Winfield - Geologist Period Aug 13-16, 2 days @ \$110	220.00	
D. Jefferson - Assistant Aug 13, 1 day @ \$45	45.00	
R. Boase - Assistant Aug 13, 14, 2 days @ \$35	70.00	
	<u>485.00</u>	485.00

ROOM AND BOARD

Tg Personnel 5 man-days @ \$50.00	250.00	
Longyear 8 man-days @ \$50.00	400.00	
(includes fixed-wing mob. & re-supply charges)	<u>650.00</u>	650.00

HELICOPTER (Texasgulf Bell 206B)

10 hours @ \$305.00		3,050.00
---------------------	--	----------

FIXED-WING CHARTER

portions of charter applicable to drilling		200.00
--	--	--------

DIAMOND DRILLING

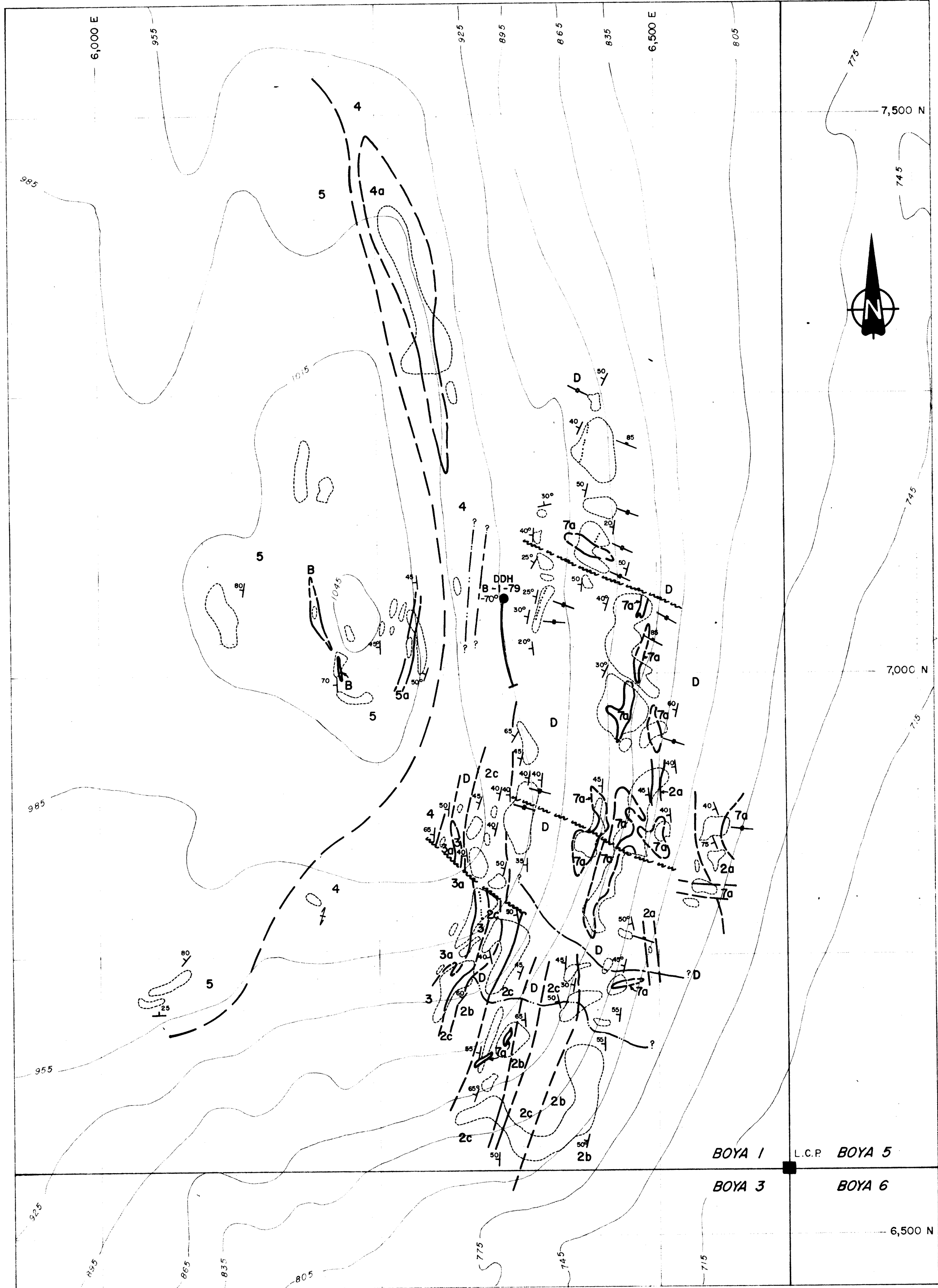
Longyear invoices charges for penetrating overburden, moving time, etc.		3,736.30
--	--	----------

REPORT PREPARATION

G.R. Peatfield, P.Eng. 1 day @ \$150	150.00	
Secretarial, drafting, reproductions, etc.	<u>100.00</u>	
	250.00	<u>250.00</u>

8,371.30





LEGEND

INTRUSIVE ROCKS

7a Quartz-biotite-feldspar porphyry dykes, sills, and irregular intrusive bodies.

METAMORPHIC ROCKS (Within the thermal aureole of Unit 7c)

D 'Porcellanite' - fine, banded siliceous skarn, composed of alternating layers of quartz and diopside.

B Coarse garnet skarn, generally occurring as concordant layers in limestone or marble.

Thin stratiform lenses of pyrrhotite-chalcocopyrite-scheelite mineralization in quartz-diopside skarn.

UNMETAMORPHOSED SEDIMENTARY STRATA

- 5** Massive grey weathering limestone, often bedded; a: local unit of finely bedded limestone, sandy limestone.
- 4** Dark siltstone and shale; a: local massive white weathering limestone.
- 3** "Volcanic unit" - andesitic flows and breccias; a: tuffs, tuffaceous shales, chert.
- 2c** Thinly bedded grey limestone and limey shale.
- 2b** Finely banded shale, siliceous shale, siltstone, fine sandstone, rare very thin limestone bands.
- 2a** Quartzite (seen only in the metamorphic zone).

note: Units 2a-c are intercalated.

SYMBOLS

- Bedding.
- Cleavage.
- Jointing.
- Joint filled with quartz vein.
- Apparent limit of transition to porcellanite in shales and silty rocks.
- Apparent limit of complete transition of all rocks except quartzite to porcellanite.

L.C.P. Legal Corner Post for Mineral Claims.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8024
NO.

PROFESSIONAL ENGINEER
G. R. McElhanney P.Eng.
14 APR 1980

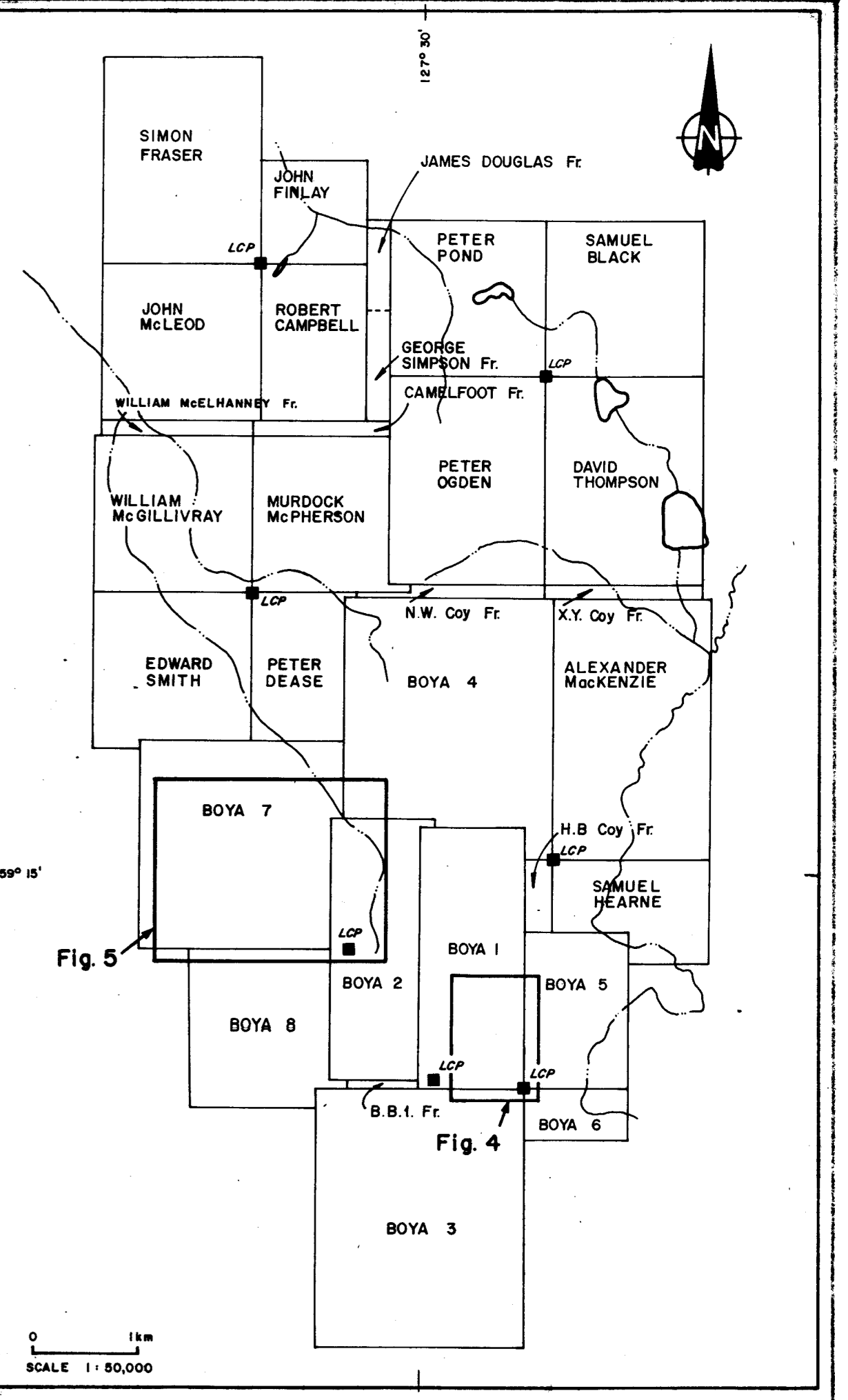
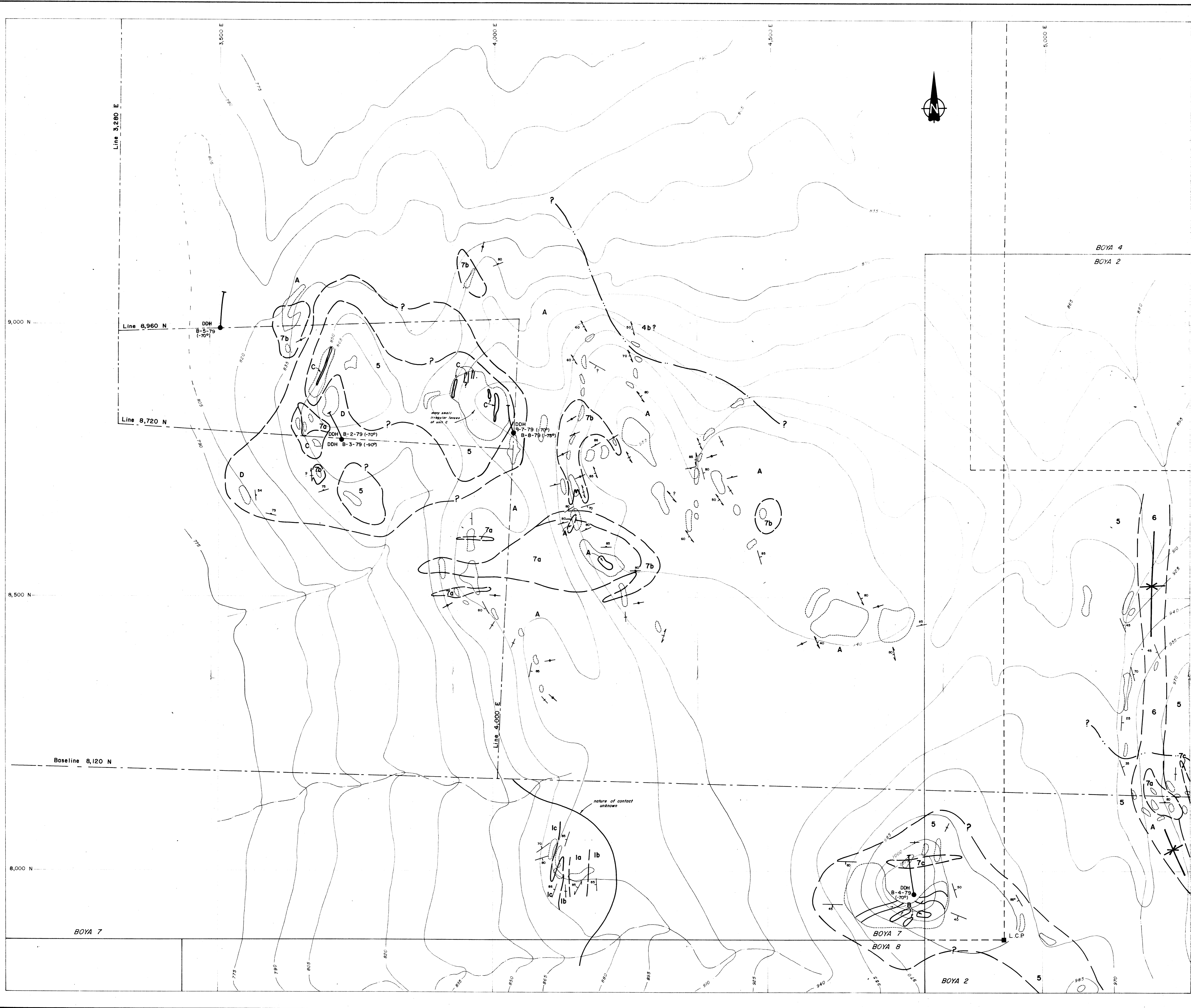
Note: This map has been revised following topographic survey work completed in 1979 by McElhanney Surveying and Engineering Ltd.

Scale 1:2,500

Contour Interval 30 m

Figure 4

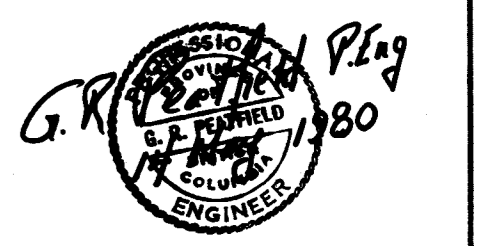
Texasgulf Inc.			
BOYA CLAIMS			
DETAILED GEOLOGY - MAIN FACE			
NTS 94M/3W		Proj. 62	
WORK BY	DRAWN BY	DATE	DRW.G NO.
G.R.P., C.R.	E.R.	APRIL 28, 1980	
<p>Scale in Metres</p>			



LEGEND

- 7c Quartz-feldspar porphyry dykes.
 - 7b Quartz porphyry, aplite.
 - 7a Quartz - biotite - feldspar porphyry.
- METAMORPHIC ROCKS (WITHIN THE THERMAL AUREOLE OF UNITS 7a-c)**
- D 'Porcellanite' - fine, banded siliceous skarn, alternating layers of quartz and diopside.
 - C Coarse diopside - quartz skarn, often with appreciable pyrrhotite.
 - B Coarse garnet skarn.
 - A Hornfels.
- note: Marbles are not mapped separately, but are included with unit 5 below.
- UNMETAMORPHOSED SEDIMENTARY STRATA**
- 6 Dark shale.
 - 5 Massive limestone and marble.
 - 4b Shale, sandy shale, fine sandstone.
- correlations uncertain
- 1c Dolomite.
 - 1b Limestone.
 - 1a Shales.
- SYMBOLS**
- bedding
 - cleavage
 - joints
 - joints with quartz veins
 - apparent limit of transition to hornfels.
 - Legal Corner Post for Mineral Claims

MINERAL RESOURCE DRIVING
ACCESSORY
8024



note: This mapping has been revised following survey work completed in 1979 by McElhanney Surveying and Engineering Ltd.

Scale 1: 2,500 Contour Interval 30 m

Figure 5

Texasgulf Inc.

BOYA CLAIMS

GEOLOGY - WEST HILL

NTS 94M/4E, 5E		Proj. 62	
WORK BY	DRAWN BY	DATE	DRWG. NO.
G.R.P. C.R.	E.R.	May 13, 1980	

Scale in Metres