

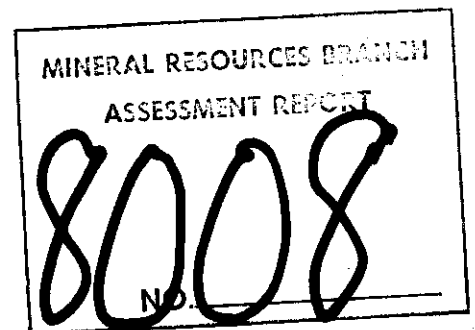
REPORT ON
DIAMOND DRILLING
by
G.R. Peatfield, P.Eng.
on the
BOYA 1 and BOYA 7
MINERAL CLAIMS
(parts of the BOYA Property)

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.



Sept 1980

Vancouver, B.C.

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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

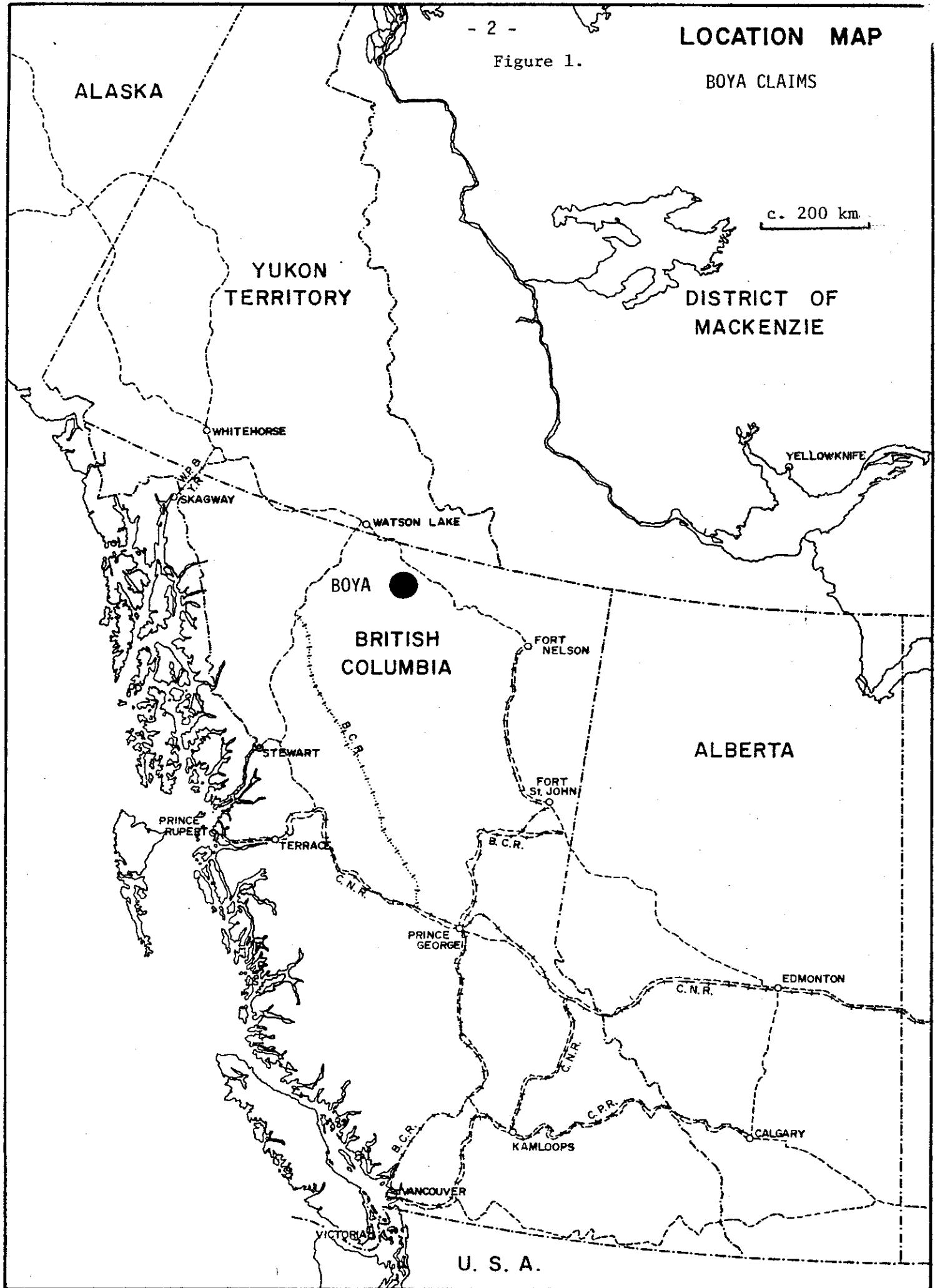
The first BOYA claims were located in June 1977, with additional staking during 1978 and 1979. Work on the property has been completed by Texasgulf Inc., on behalf of its wholly owned subsidiary, Texasgulf Canada Ltd., the registered owner of the claims. Investigations undertaken to date have been previously reported on (Peatfield, et al, 1978; Peatfield, 1979a, 1979b, 1979c, 1980a, 1980b).

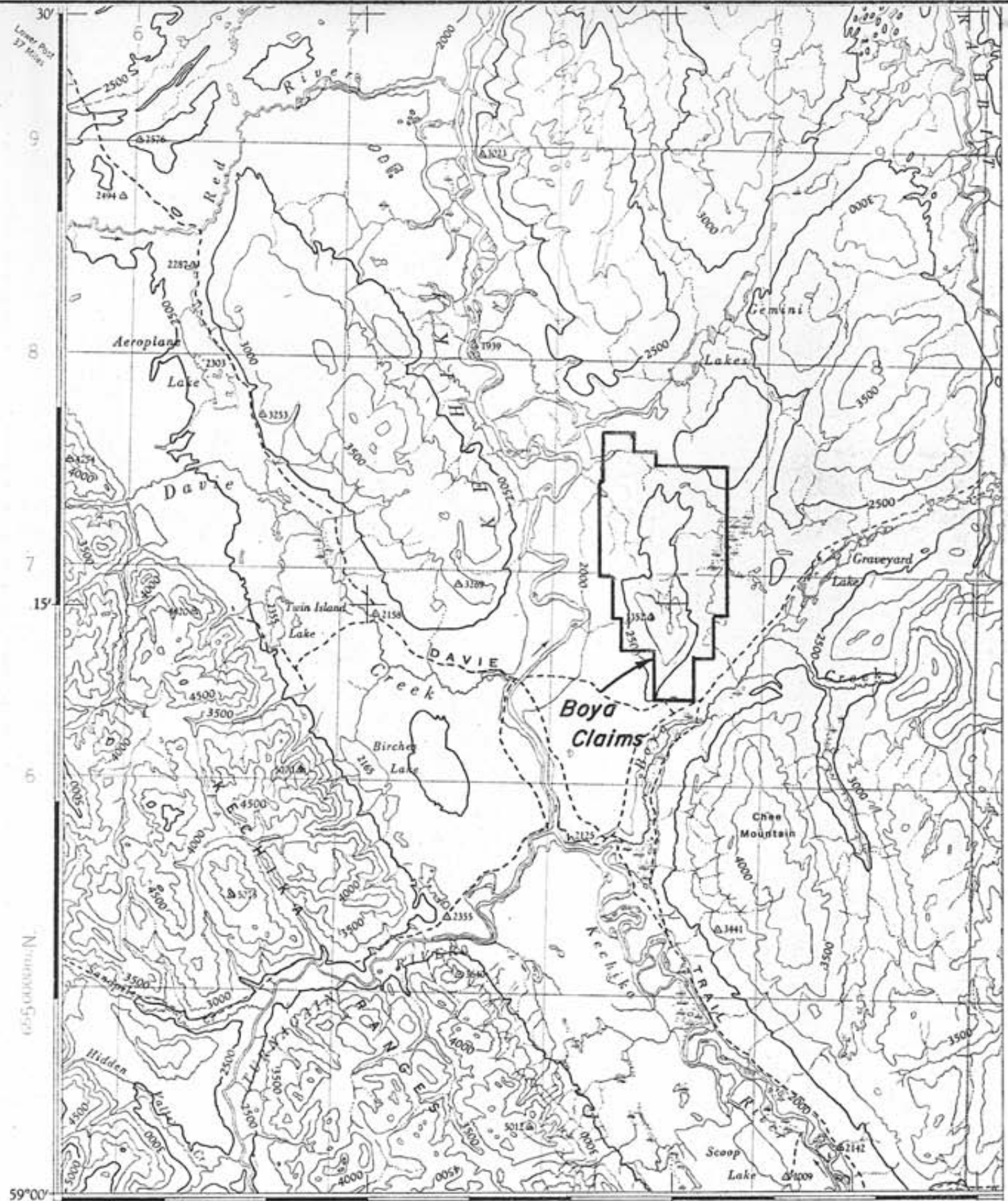
LOCATION MAP

Figure 1.

BOYA CLAIMS

c. 200 km.





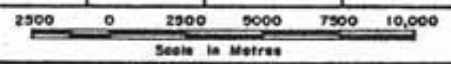
30' 128°00' 670000m 45' 8 30'

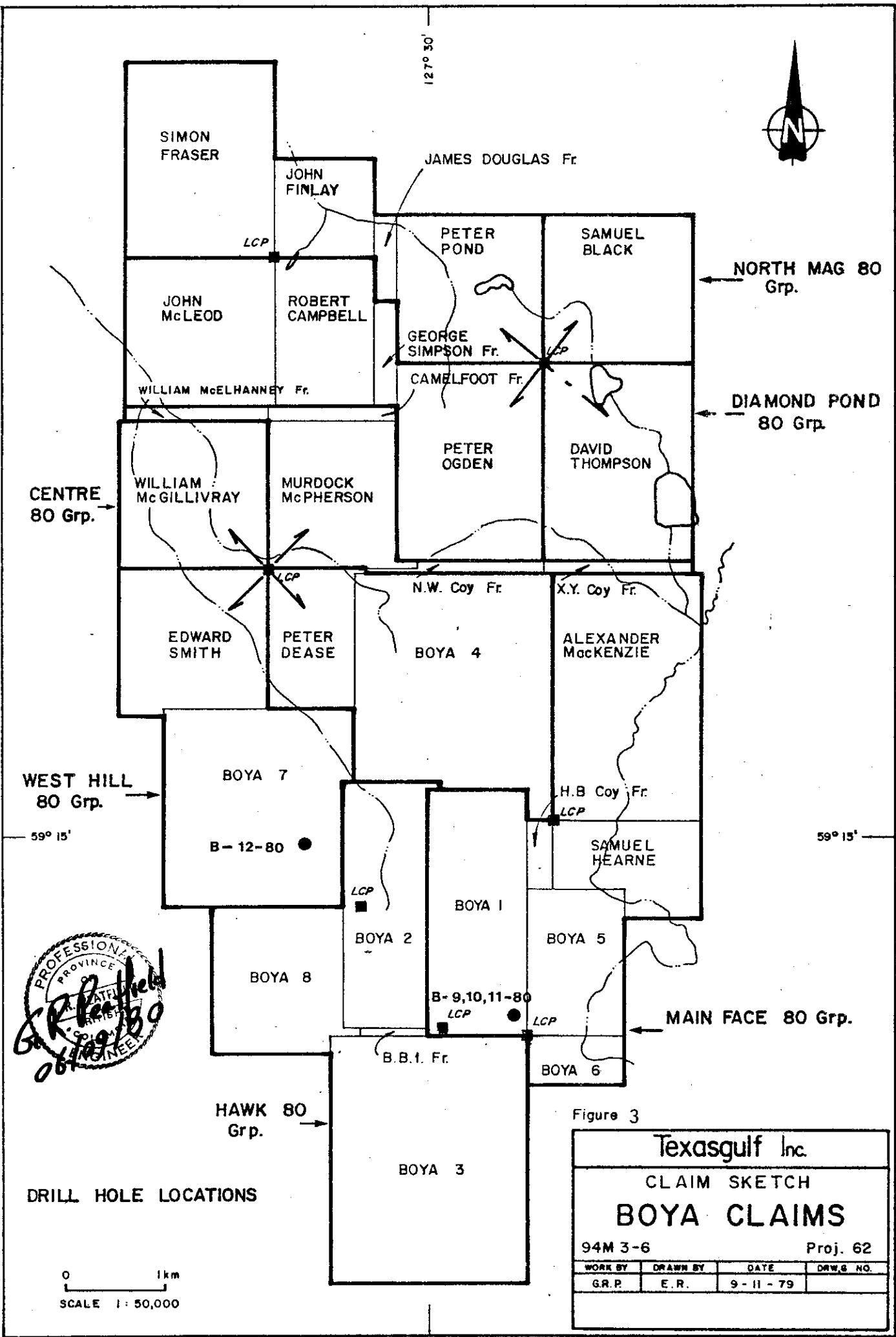
Map Sheet 94 M - "Rabbit River"

Texasgulf Inc.

Figure 2
Detailed Location Map
BOYA CLAIMS

WORK BY	DRAWN BY	DATE	DRW.G. NO.





SIMON FRASER

JOHN FINLAY

JAMES DOUGLAS Fr.

PETER POND

SAMUEL BLACK

JOHN McLEOD

ROBERT CAMPBELL

GEORGE SIMPSON Fr.

CAMELFOOT Fr.

WILLIAM McELHANNEY Fr.

NORTH MAG 80 Grp.

DIAMOND POND 80 Grp.

WILLIAM McGILLIVRAY

MURDOCK McPHERSON

PETER OGDEN

DAVID THOMPSON

CENTRE 80 Grp.

N.W. Coy Fr.

X.Y. Coy Fr.

EDWARD SMITH

PETER DEASE

BOYA 4

ALEXANDER MacKENZIE

WEST HILL 80 Grp.

BOYA 7

B-12-80

BOYA 1

H.B Coy Fr.

SAMUEL HEARNE

59° 15'

59° 15'

LCP

LCP

BOYA 1

BOYA 2

BOYA 5

BOYA 8

B-9,10,11-80

MAIN FACE 80 Grp.

LCP

LCP

B.B.I. Fr.

BOYA 6

HAWK 80 Grp.

BOYA 3

Figure 3

DRILL HOLE LOCATIONS

0 1km
SCALE 1:50,000

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 May 20 to June 23, 1980, a total of 4 BQ diamond drill holes, totalling 746.2 m, were completed on the BOYA property. 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 and BOYA 7 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 holes locations, are included with this report (Figures 4,5).

DIAMOND DRILLING

This report concerns the results of the initial portion of a diamond drilling programme undertaken during 1980 on the BOYA property. Four BQ holes are considered (see Figures 3, 4 and 5), as follows:

B-9-80	on BOYA 1	264.0 m	} same setup
B-10-80	on BOYA 1	161.5 m	
B-11-80	on BOYA 1	145.1 m	
B-12-80	on BOYA 7	175.6 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 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. Holes B-9, 10 & 11-80 were drilled in an attempt to further define a zone of molybdenum mineralization encountered during 1979 (in hole B-1-79). Hole B-12-80 was designed as an initial test of an altered, veined intrusive body with weak molybdenite and scheelite mineralization at surface.

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. Holes B-9, 10 & 11-80 all intersected a relatively flat fault, presently interpreted as a thrust. Rocks below this fault are unmetamorphosed shales and siltstones.

G. R. Peatfield
G. R. PEATFIELD
G.R. Peatfield, P.Eng.
06/01/80

BIBLIOGRAPHY

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- 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. 1980a. Report on diamond drilling on the BOYA 1, BOYA 7 and David Thompson Mineral Claims. Report submitted to the British Columbia Ministry of Energy, Mines and Petroleum Resources for assessment work credit, May 1980.
- PEATFIELD, G.R. 1980b. Report on geophysical surveys, line-cutting, control surveys and air photography on the BOYA Property. Report submitted to the British Columbia Ministry of Energy, Mines and Petroleum Resources for assessment work credit, May 1980.
- 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	TEXASGULF INC. DRILL HOLE LOG	HOLE NO. B-9-80												
LOCATION(grid) see map														
LOCATION(survey)		CLAIM: BOYA 1												
AZIM: 315° ELEV: 795m DIP: -53°		SECTION:												
DEPTH: 264.0 m CORE SIZE: BQ		LOGGED BY: R.E. Meyers, P.R. DeLancey												
STARTED: May 30, 1980		DATE LOGGED: May 31 - June 5, 1980												
COMPLETED: June 5, 1980	DRILLING CO.: Longyear													
CORE RECOVERY: poor to good	<table border="1"> <tr> <th colspan="3">DIP TEST</th> </tr> <tr> <th>DEPTH</th> <th>AZIM</th> <th>DIP</th> </tr> <tr> <td>113.7 m</td> <td>322°</td> <td>-53°</td> </tr> <tr> <td>264.0 m</td> <td>333°</td> <td>-61.5°</td> </tr> </table>		DIP TEST			DEPTH	AZIM	DIP	113.7 m	322°	-53°	264.0 m	333°	-61.5°
DIP TEST														
DEPTH	AZIM	DIP												
113.7 m	322°	-53°												
264.0 m	333°	-61.5°												

DEPTH		REC'Y	DESCRIPTION
FROM	TO		
0	8.5 m	-	Overburden, cased.
8.5	10.8 m	30%	Brown, weathered quartz biotite porphyry (QBP). Biotites sericitized, feldspars altered (to clay?). Moderate quartz veining with some molybdenite, minor pyrite, traces of chalcopyrite and scheelite.
10.8	26.8 m	30 - 60%	Dominantly "porcellanite" (fine grained calc-silicate hornfels), with short sections of QBP. Moderate to intense quartz veining with local molybdenite, weak pyrite and some scheelite.
26.8	29.1 m	60%	Intensely altered QBP, with some quartz veining and traces of scheelite.
29.1	37.6 m	65%	Dominantly porcellanite with some short QBP sections. Moderate quartz veining with some molybdenite and scheelite.
37.6	50.0 m	30 - 70%	Dominantly QBP with short sections of porcellanite. The porphyry is moderately to strongly altered, with locally strong quartz veining carrying weak molybdenite and scheelite mineralization.
50.0	62.9 m	10 - 30%	Intensely fractured and silicified porcellanite, with strong quartz veining carrying scheelite and molybdenite.
62.9	64.0 m	5%	Fault gouge.
64.0	65.5 m	10%	Silicified and well fractured QBP, with strong quartz veining, carrying some pyrite and molybdenite.

PROPERTY: BOYA		<h1>TEXASGULF INC.</h1> <h2>DRILL HOLE LOG</h2>		HOLE NO. B-10-80	
LOCATION(grid) see map				CLAIM: BOYA 1	
LOCATION(survey)				SECTION:	
AZIM: 315° ELEV: 795 m DIP: -85°				LOGGED BY: R.E. Meyers	
DEPTH: 161.5 m CORE SIZE: BQ				DATE LOGGED: June 6-11, 1980	
STARTED: June 5, 1980				DRILLING CO.: Longyear	
COMPLETED: June 8, 1980					
CORE RECOVERY: good to excellent					
		DIP TEST			
		DEPTH	AZIM	DIP	
		40.2 m	319°	-83.5°	
		161.5 m	?	-83°	
DEPTH		REC'Y	DESCRIPTION		
FROM	TO				
0	7.3 m	-	Overburden, cased.		
7.3	8.2 m	10%	Porcellanite, as in B-9-80. Fragments of quartz veins contain molybdenite, scheelite, and pyrite.		
8.2	11.3 m	80%	QBP - oxidized, and strongly altered, with weak quartz veining and traces of molybdenite and scheelite.		
11.3	21.0 m	10 - 90%	Porcellanite, highly fractured and altered, with some quartz veining and traces of molybdenite and scheelite, and some pyrite.		
21.0	25.6 m	95%	QBP, strongly fractured and altered with moderate quartz veining carrying traces of molybdenite and scheelite, with some pyrite.		
25.6	35.8 m	30 - 100%	Porcellanite, well fractured with abundant pyrite and some molybdenite and scheelite, both on fractures and in quartz veinlets.		
35.8	37.2 m	65%	QBP, strongly oxidized and with moderate quartz veining carrying traces of molybdenite and scheelite.		
37.2	41.8 m	95%	Porcellanite, strongly fractured with moderate quartz veining. Pyrite and some molybdenite and scheelite occur both on fractures and in quartz veinlets.		
41.8	42.7 m	100%	QBP, moderately altered and quartz veined, with traces of molybdenite and scheelite,		
42.7	48.5 m	95%	Porcellanite, with very short sections of QBP. The rock is well fractured, with strong to intense quartz veining and traces of molybdenite and scheelite.		

PROPERTY: BOYA	TEXASGULF INC. DRILL HOLE LOG	HOLE NO. B-11-80												
LOCATION (grid) see map		CLAIM: BOYA 1												
LOCATION (survey)														
AZIM: 250° ELEV: 795 m DIP: -52°		SECTION:												
DEPTH: 145.1 m CORE SIZE: BQ		LOGGED BY: R. DeLancey, R.E. Meyers												
STARTED: June 9, 1980	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3">DIP TEST</th> </tr> <tr> <th>DEPTH</th> <th>AZIM</th> <th>DIP</th> </tr> </thead> <tbody> <tr> <td>65.8 m</td> <td>248°</td> <td>-54°</td> </tr> <tr> <td>145.1 m</td> <td>246°</td> <td>-55°</td> </tr> </tbody> </table>	DIP TEST			DEPTH	AZIM	DIP	65.8 m	248°	-54°	145.1 m	246°	-55°	DATE LOGGED: June 11-15, 1980
DIP TEST														
DEPTH		AZIM	DIP											
65.8 m	248°	-54°												
145.1 m	246°	-55°												
COMPLETED: June 15, 1980	DRILLING CO.: Longyear													
CORE RECOVERY: poor to good														

DEPTH		REC'Y	DESCRIPTION
FROM	TO		
0	7.9 m	-	Overburden, cased.
7.9	10.0 m	10%	Porcellanite, large white quartz veins.
10.0	18.0 m	70%	QBP, with some alteration and strong quartz veining. Veins carry traces of molybdenite and scheelite, along with some pyrite.
18.0	28.0 m	30-95%	Porcellanite, with weak to moderate quartz veining, and traces of molybdenite and scheelite.
28.0	28.2 m	100%	Narrow sill of QBP.
28.2	41.8 m	40-80%	Porcellanite, highly fractured and with moderate to strong quartz veining, with some pyrite, traces of molybdenite and scheelite.
41.8	45.0 m	50%	Zone of brecciation and faulting, oxidized rusty brown.
45.0	57.7 m	10-60%	Light grey siliceous porcellanite, strongly fractured and with some quartz veining.
57.7	58.4 m	75%	QBP, somewhat oxidized.
58.4	71.5 m	50%	Porcellanite, highly siliceous, grey, with some quartz veining and local concentrations of molybdenite along vein margins.
71.5	73.8 m	75%	Healed fault gouge.
73.8	88.5 m	50-75%	Grey siliceous porcellanite with traces of molybdenite and scheelite in quartz veins.
88.5	89.0 m	100%	Pale green altered rock, possibly a tuff.
89.0	122.5 m	30-90%	Grey siliceous porcellanite grading downwards to less metamorphosed siltstone or shale,

PROPERTY: BOYA		TEXASGULF INC. DRILL HOLE LOG		HOLE NO. B-12-80										
LOCATION (grid) see map				CLAIM: BOYA 7										
LOCATION (survey)				SECTION:										
AZIM: 330° ELEV: 940 m DIP: -70°				LOGGED BY: P.R. DeLancey										
DEPTH: 175.6 m CORE SIZE: BQ		DIP TEST		DATE LOGGED: June 18-23, 1980										
STARTED: June 18, 1980		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>DEPTH</th> <th>AZIM</th> <th>DIP</th> </tr> </thead> <tbody> <tr> <td>76.2 m</td> <td>341°</td> <td>-67.2°</td> </tr> <tr> <td>173.7 m</td> <td>346°</td> <td>-66.5°</td> </tr> </tbody> </table>		DEPTH	AZIM	DIP	76.2 m	341°	-67.2°	173.7 m	346°	-66.5°	DRILLING CO.: Longyear	
DEPTH	AZIM			DIP										
76.2 m	341°	-67.2°												
173.7 m	346°	-66.5°												
COMPLETED: June 21, 1980														
CORE RECOVERY: good to excellent														
DEPTH		REC'Y	DESCRIPTION											
FROM	TO													
0	3.0 m	-	Overburden, cased.											
3.0	77.8 m	98%	QBP - massive, medium to fine-grained quartz biotite porphyry, weakly altered and with moderate to strong quartz veining and locally some molybdenite and scheelite, with disseminated pyrite throughout. Alteration seems to decrease with depth, to a pale green sericitic rock, and then increase again below about 35 metres. Below 46 metres, the porphyry is relatively less altered. Quartz veining continues strong throughout the entire section, with many veins sub-parallel to the core axis, but molybdenite and scheelite are rare below about 50 metres.											
77.8	79.5 m	100%	Zone of mixed brown biotite hornfels, and quartz porphyry (QP). There is considerable difficulty locally in distinguishing between hornfels and QP.											
79.5	80.5 m	100%	Brownish-black to greenish-buff hornfels, the greenish colour probably representing hydrothermal alteration as it occurs along fractures and adjacent to quartz veins. There is weak pyrite disseminated throughout.											
80.5	82.5 m	100%	QP - grading from fine to medium crystalline rock with abundant quartz eyes and feldspar crystals to a fine grained rock with only a few small quartz eyes, which rock resembles hornfels.											
82.5	83.3 m	100%	Typical brown hornfels.											
83.3	94.6 m	95%	QP - fine grained, with weak quartz veining.											

APPENDIX B

Summary of Assays & Analyses

LATITUDE: _____ AZIMUTH: 315° INCLINATION: 322° / -53° at 113.7mLONGITUDE: _____ DIP: -53° INCLINATION: 333° / -61.5° at 264.0mELEVATION: 795 m INCLINATION: _____ / _____ at _____

SAMPLE No.	METRES		MoS ₂		Mo	WO ₃		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
1476	4.7	7.7	0.008			0.05				64
7	7.7	10.7	0.035			0.05				56
8	10.7	13.7	0.007			0.05				10
9	13.7	16.7	0.030			0.07				14
1480	16.7	19.7	0.044			0.07				56
1	19.7	22.7	0.130			0.05				40
2	22.7	25.7	0.025			0.08				34
3	25.7	28.7	0.035			0.17				48
4	28.7	31.7	0.038			0.08				32
5	31.7	34.7	0.029			0.11				50
6	34.7	38.0	0.028			0.08				46
7	38.0	41.0	0.023			0.09				45
8	41.0	44.0	0.072			0.22				63
9	44.0	47.0	0.020			0.06				39
1490	47.0	50.0	0.035			0.11				58
1	50.0	53.0	0.070			0.21				188
2	53.0	56.0	0.077			0.10				24
3	56.0	59.0	0.063			0.05				19
4	59.0	62.0	0.070			0.06				58
5	62.0	65.0	0.051			0.08				50
6	65.0	68.0	0.068			0.10				48
7	68.0	71.0	0.045			0.06				55
8	71.0	74.0	0.065			0.08				62
9	74.0	77.0	0.052			0.52				55
1500	77.0	80.0	0.047			0.12				63
18401	80.0	83.0	0.030			0.11				58
2	83.0	86.0	0.052			0.14				54
3	86.0	89.0	0.042			0.07				84
4	89.0	92.0	0.157			0.07				47
5	92.0	95.0	0.112			0.06				75
6	95.0	98.0	0.040			0.18				123
7	98.0	101.0	0.083			0.15				84
8	101.0	104.0	0.187			0.18				117
9	104.0	107.0	0.187			0.14				88
18410	107.0	110.0	0.072			0.09				97

LATITUDE: _____ AZIMUTH: 250° INCLINATION: 248° / -54° at 65.8 m
 LONGITUDE: _____ DIP: -52° INCLINATION: 246° / -55° at 145.1 m
 ELEVATION: 795 m INCLINATION: _____ / _____ at _____

SAMPLE No.	METRES		MoS ₂		Mo	WO ₂		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
1601	8.0	11.0	0.025		140	-		33		23
2	11.0	14.0	0.038		180	0.09		1015		54
3	14.0	17.0	0.018		95	0.06		520		55
4	17.0	20.0	0.043		215	0.55		2000		50
5	20.0	23.0	0.018		100	0.04		385		30
6	23.0	26.0	0.028		140	0.06		495		148
7	26.0	29.0	0.033		180	0.03		85		40
8	29.0	32.0	0.053		290	0.04		190		47
9	32.0	35.0	0.028		145	0.03		50		51
1610	35.0	38.0	0.038		200	0.04		295		47
1	38.0	41.0	0.042		215	0.04		250		120
2	41.0	44.0	0.080		325	0.19		1440		210
3	44.0	47.0	0.088		455	-		63		156
4	47.0	50.0	0.028		155	0.05		295		43
5	50.0	53.0	0.025		127	-		65		48
6	53.0	56.0	0.018		118	-		55		27
7	56.0	59.0	0.032		180	0.06		430		48
8	59.0	62.0	0.123		405	0.06		315		55
9	62.0	65.0	0.100		515	0.06		295		94
1620	65.0	68.0	0.026		180	0.06		430		53
1	68.0	71.0	0.013		71	0.04		70		42
2	71.0	74.0	0.040		198	0.04		95		115
3	74.0	77.0	0.022		115	-		73		45
4	77.0	80.0	0.033		181	-		43		33
5	80.0	83.0	0.020		113	-		18		35
6	83.0	86.0	0.010		59	-		13		13
7	86.0	89.0	0.037		202	0.09		610		128
8	89.0	92.0	0.010		42	0.03		78		33
9	92.0	95.0	0.027		141	0.03		93		20
1630	95.0	98.0	0.047		248	0.08		520		87
1	98.0	101.0	0.017		83	0.08		385		67
2	101.0	104.0	0.027		160	-		35		29
3	104.0	107.0	0.008		41	-		15		34
4	107.0	110.0	0.022		112	-		30		17
1635	110.0	113.0	0.017		40	-		24		20

LATITUDE: _____ AZIMUTH: 330° INCLINATION: 341° / -67.2° at 76.2 m
 LONGITUDE: _____ DIP: -70° INCLINATION: 346° / -66.5° at 173.7 m
 ELEVATION: 940 m INCLINATION: _____ / _____ at _____

SAMPLE No.	METRES		MoS ₂		Mo	WO ₃		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
1643	3.0	6.0	0.023			0.05				76
4	6.0	9.0	0.013			0.03				20
5	9.0	12.0	0.021			0.02				18
6	12.0	15.0	0.017			0.03				18
7	15.0	18.0	0.022			0.06				10
8	18.0	21.0	0.020			0.05				16
9	21.0	24.0	0.017			0.02				24
1650	24.0	27.0	0.033			0.03				21
1	27.0	30.0	0.023			0.01				21
2	30.0	33.0	0.050			< 0.01				17
3	33.0	36.0	0.035			< 0.01				13
4	36.0	39.0	0.023			0.27				14
5	39.0	42.0	0.058			0.01				58
6	42.0	45.0	0.043			0.01				20
7	45.0	48.0	0.032			0.01				28
8	48.0	51.0	0.032			0.01				32
9	51.0	54.0	0.008			0.01				26
1660	54.0	57.0	0.013			0.03				26
1	57.0	60.0	0.007			0.01				41
2	60.0	63.0	0.005			< 0.01				33
3	63.0	66.0	0.006			< 0.01				20
4	66.0	69.0	0.010			0.01				21
5	69.0	72.0	0.010			< 0.01				51
6	72.0	75.0	0.007			0.01				31
7	75.0	78.0	0.007			< 0.01				29
8	78.0	81.0	0.005			< 0.01				24
9	81.0	84.0			17			7		27
1670	84.0	87.0			64			17		9
1	87.0	90.0			29			7		9
2	90.0	93.0			50			16		17
3	93.0	96.0			18			9		45
4	96.0	99.0			41			10		188
5	99.0	102.0			11			2		70
6	102.0	105.0			4			12		31
1677	105.0	108.0			5			3		25

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.

K. Elliot - Assistant

K. Elliot is a Vancouver school student employed by Texasgulf for a short time during the 1980 field season, for a variety of manual labour tasks, including core-splitting.

C. Riseborough - Assistant

C. Riseborough is a North Vancouver student employed by Texasgulf for the 1980 field season for a variety of jobs, including core-splitting.



APPENDIX D

Statements of Expenditure

STATEMENT OF EXPENDITURES

MAIN FACE 80 GROUP

(Diamond Drilling)

SALARIES AND FRINGE BENEFITS, TEXASGULF INC.

P.R. DeLancey, P.Eng. Period May 28 - June 15	15 days @ \$150	2,250.00	
R.E. Meyers - Geologist Period May 28 - June 15	15 days @ \$120	1,800.00	
K. Elliot - Assistant Period June 1-10	10 days @ \$35	<u>350.00</u>	
		4,400.00	4,400.00

ROOM AND BOARD

Tg personnel	40 man-days @ \$50	2,000.00	
Longyear	76 man-days @ \$50	<u>3,800.00</u>	
(includes fixed-wing mob. and re-supply charges)		5,800.00	5,800.00

HELICOPTER (Texasgulf Bell 206B)

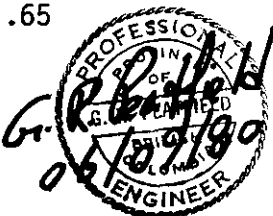
20 hours @ \$330			6,600.00
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DIAMOND DRILLING

Longyear invoice charges for drilling, survey, core boxes, supplies, equipment left in hole, moving time, etc., but exclusive of diamond bit costs.			45,701.00
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ANALYTICAL COSTS (Bondar-Clegg & Co. Ltd.)

109 MoS ₂ assays @ \$6.00	654.00	
97 WO ₃ assays @ \$9.00	873.00	
36 Cu, Mo geochem @ \$2.40	86.40	
36 W geochem @ \$3.75	135.00	
77 Cu geochem @ \$1.65	<u>127.05</u>	
	1,875.45	1,875.45



64,376.45

STATEMENT OF EXPENDITURES

WEST HILL 80 GROUP

(Diamond Drilling)

SALARIES AND FRINGE BENEFITS - TEXASGULF INC.

P.R. DeLancey, P. Eng.			
Period June 17-23, 4 days @ \$150	600.00		
C. Riseborough - Assistant			
Period June 20-25, 4 days @ \$35	140.00		
	740.00		740.00

ROOM AND BOARD

Tg personnel	8 man-days @ \$50		
		400.00	
Longyear	20 man-days @ \$50	1,000.00	
(includes fixed-wing mob. and re-supply charges)		1,400.00	1,400.00

HELICOPTER (Texasgulf Bell 206B)

10 hours @ \$330			3,300.00
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DIAMOND DRILLING

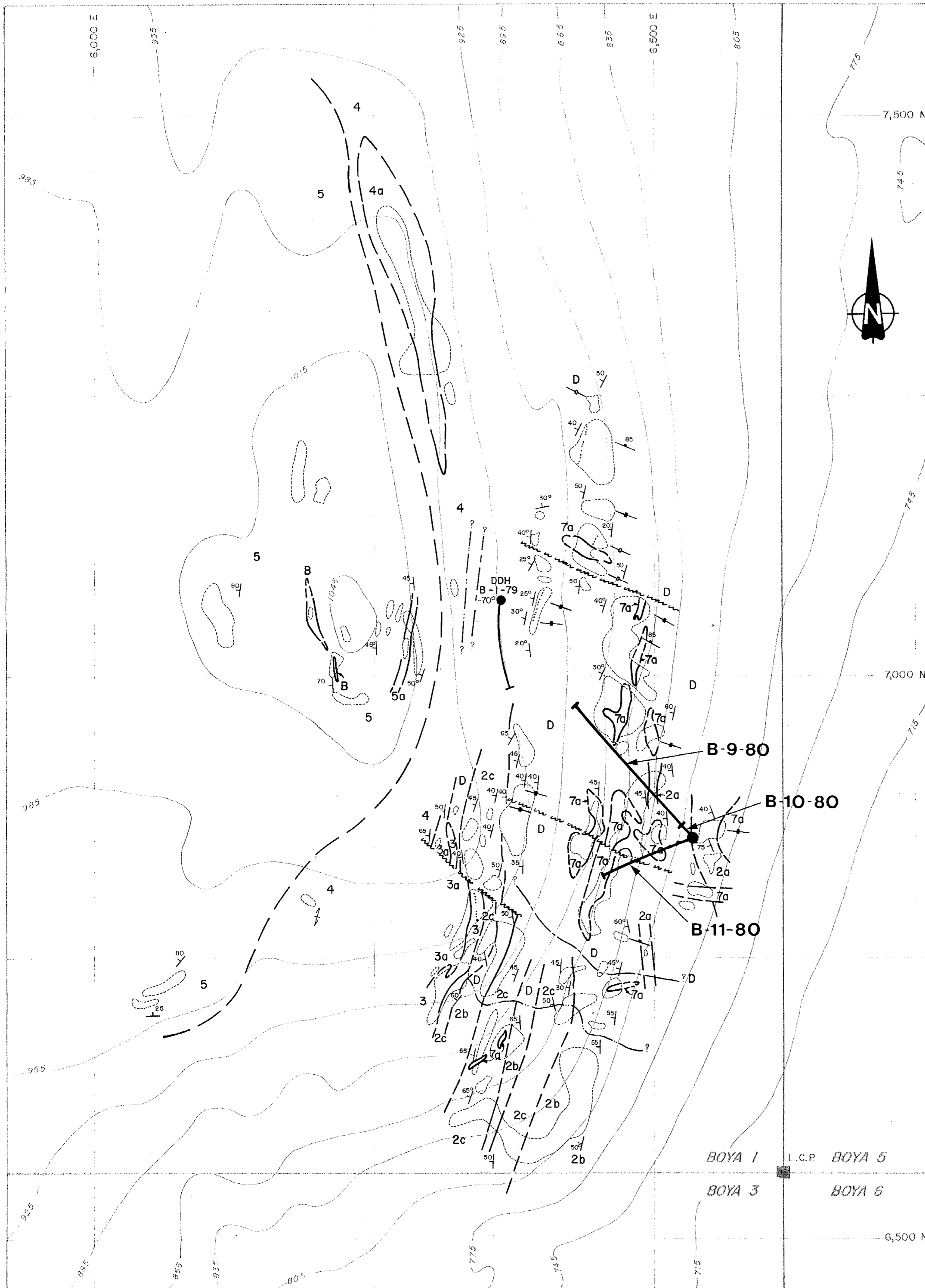
Longyear invoice charges for drilling, survey, core boxes, supplies, moving time, etc., but exclusive of diamond bit costs.			13,845.96
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ANALYTICAL COSTS (Bondar-Clegg & Co. Ltd.)

26 MoS ₂ assays @ \$6.00		156.00	
26 WO ₃ assays @ \$9.00		234.00	
31 Cu, Mo geochem @ \$2.40		74.40	
31 W geochem @ \$3.75		116.25	
26 Cu geochem @ \$1.65		42.90	
31 sample preparation @ \$2.00		62.00	
		685.55	685.55

19,971.51





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 - chalcopyrite - scheelite mineralization in quartz - diopside skarn.

UNMETAMORPHOSED SEDIMENTARY STRATA

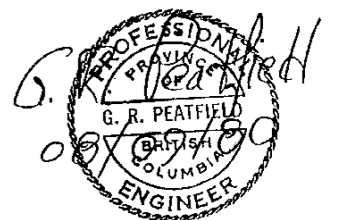
5 Massive grey weathering limestone, often bedded;
a: local unit of finely bedded limestone, sandy limestone.
4 Dark siltstone and shale;
a: local massive white weathering limestone.
3 "Volcanic unit" - andesitic flows and breccias;
a: tuffs, tuffaceous shales, chert.
2c Thinly bedded grey limestone 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.



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ASSESSMENT REPORT
8008
NO.

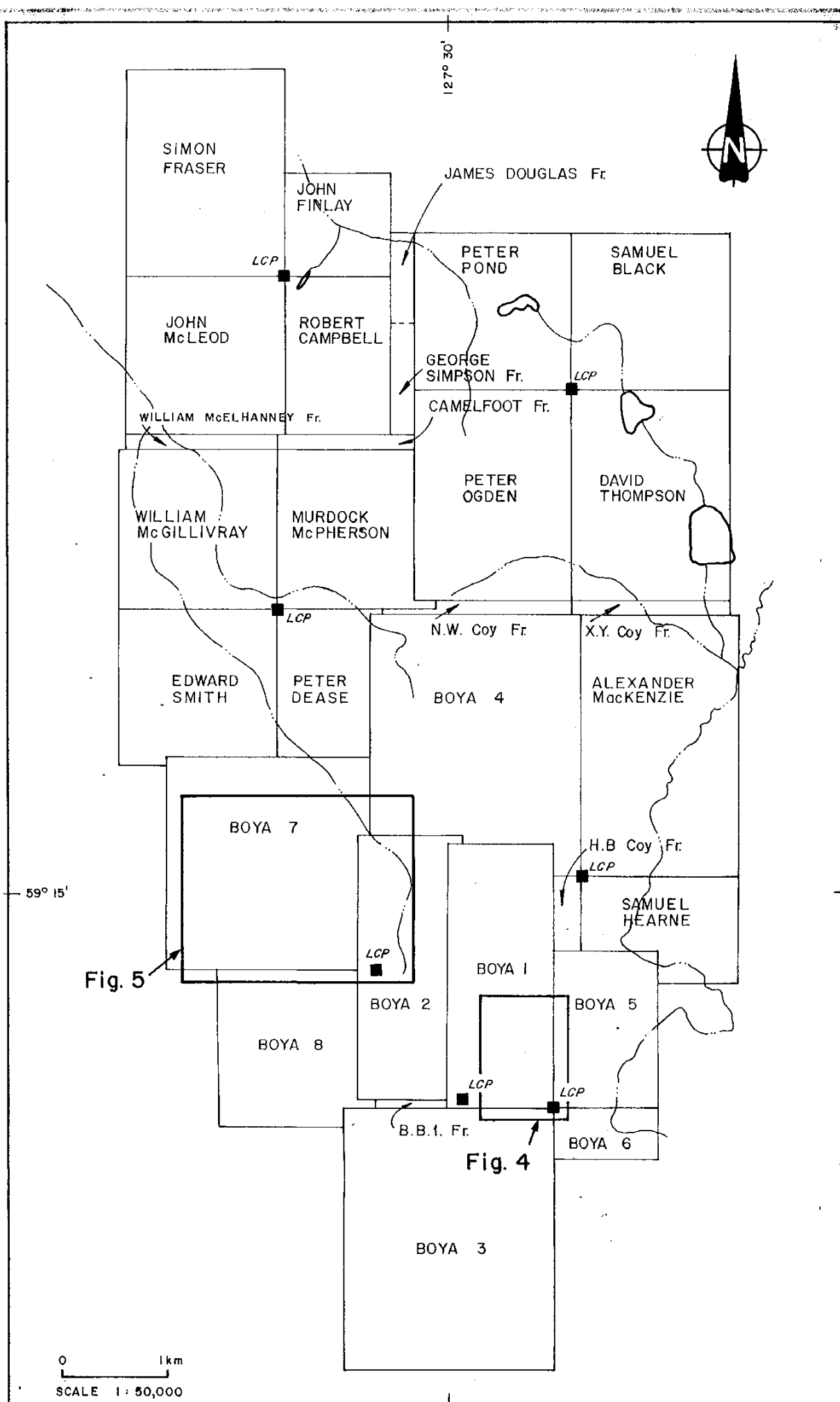
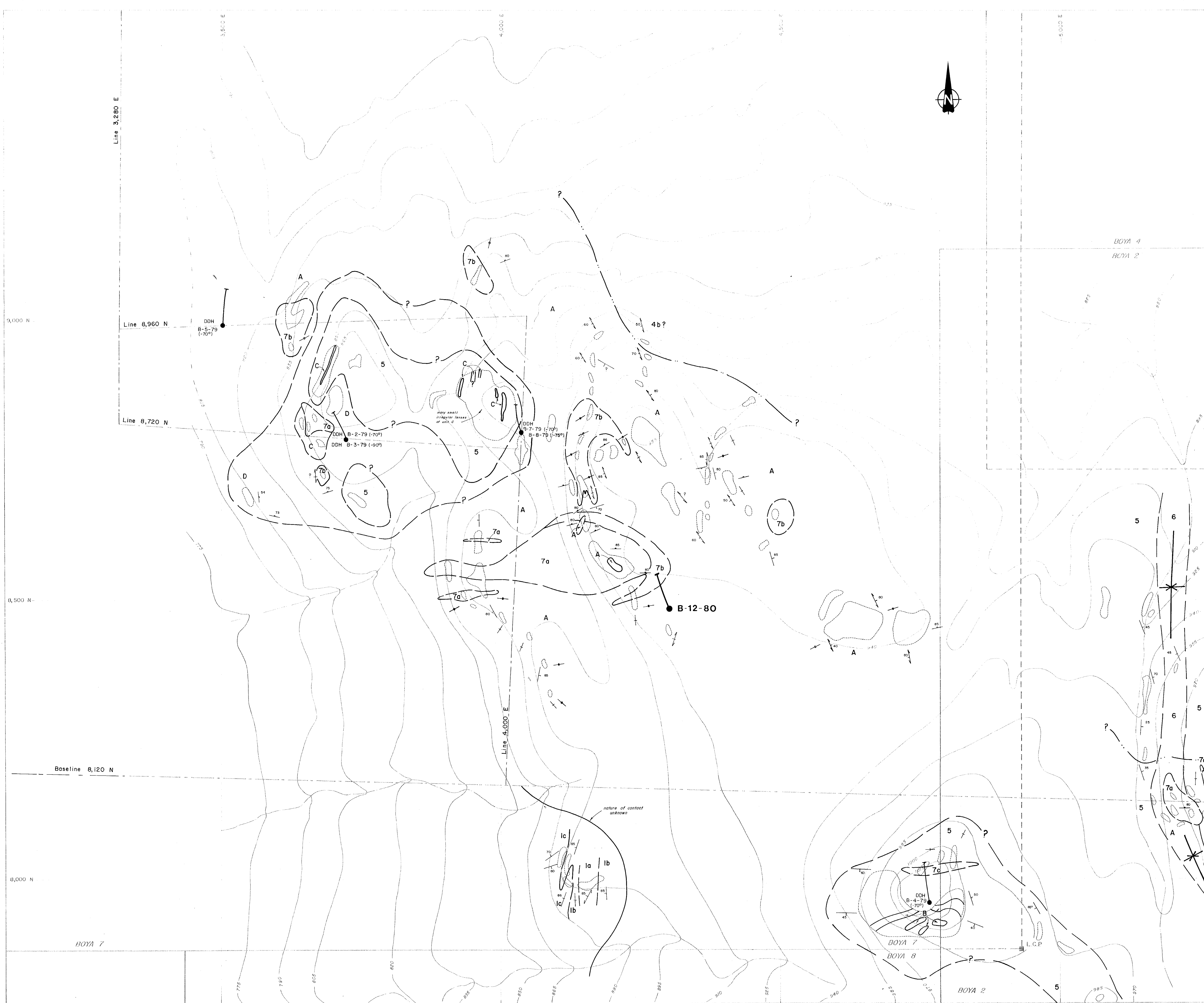
Note: This map has been revised following topographic survey work completed in 1979 by McElhanney Surveying and Engineering Ltd.

Scale 1: 2,500

Contour Interval 30 m

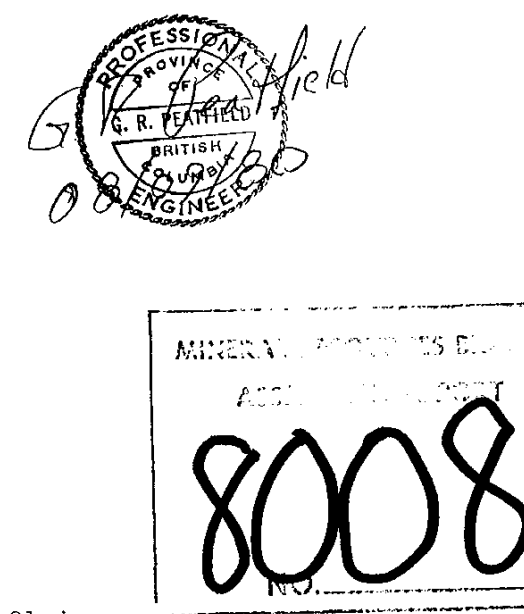
Figure 4

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

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



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

Scale 1: 2,500 Contour Interval 75' m

Figure 5

Texasgulf Inc.

BOYA CLAIMS

GEOLOGY - WEST HILL

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

Scale in Metres