#### REPORT ON

#### DIAMOND DRILLING

by

G.R. Peatfield, P.Eng.

on the

BOYA 1 and BOYA 7

MINERAL CLAIMS

(parts of the BOYA Property)

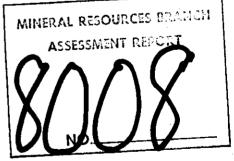
# Situated west of Graveyard Lake in the Liard Mining Division

59°15'N, 127°30'W NTS 94M/3-6

owned by TEXASGULF CANADA LTD.

work by

TEXASGULF INC.



Vancouver, B.C.

Sept 1980

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#### INTRODUCTION

Location, Access and Terrain

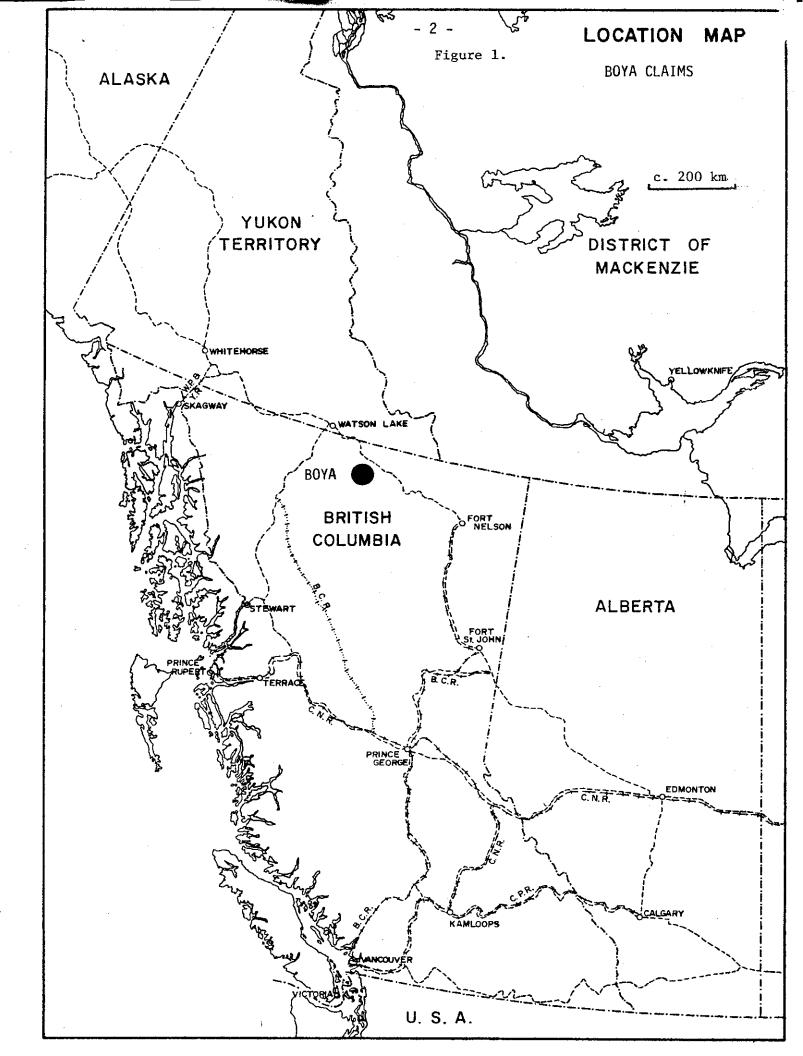
The BOYA property is located immediately northeast of the confluence of the Kechika and Turnagain Rivers, in northeastern British Columbia (see Figure 1). The nearest supply and transportation centre is Watson Lake, Yukon, some 115 km to the northwest.

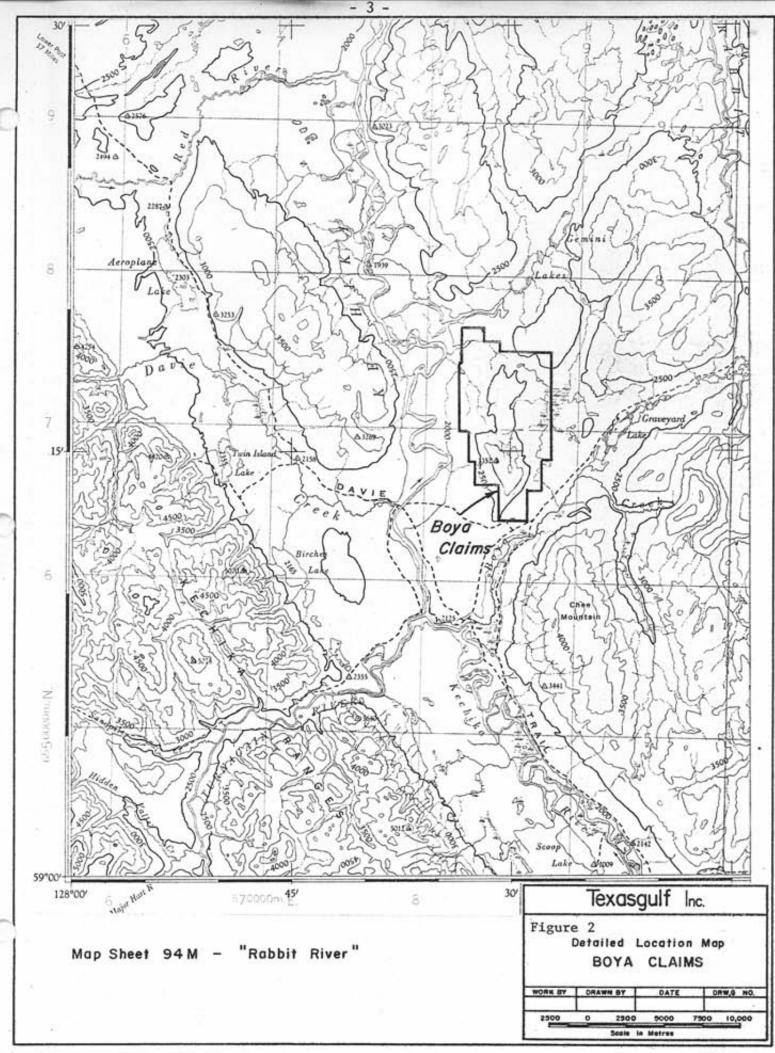
Access to the claims is presently by helicopter from various points on the Alaska Highway, the nearest being the settlement of Fireside, near the confluence of the Kechika and Liard Rivers some 50 km to the northnortheast. Fixed-wing aircraft can land at Graveyard Lake (see Figure 2), where the present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

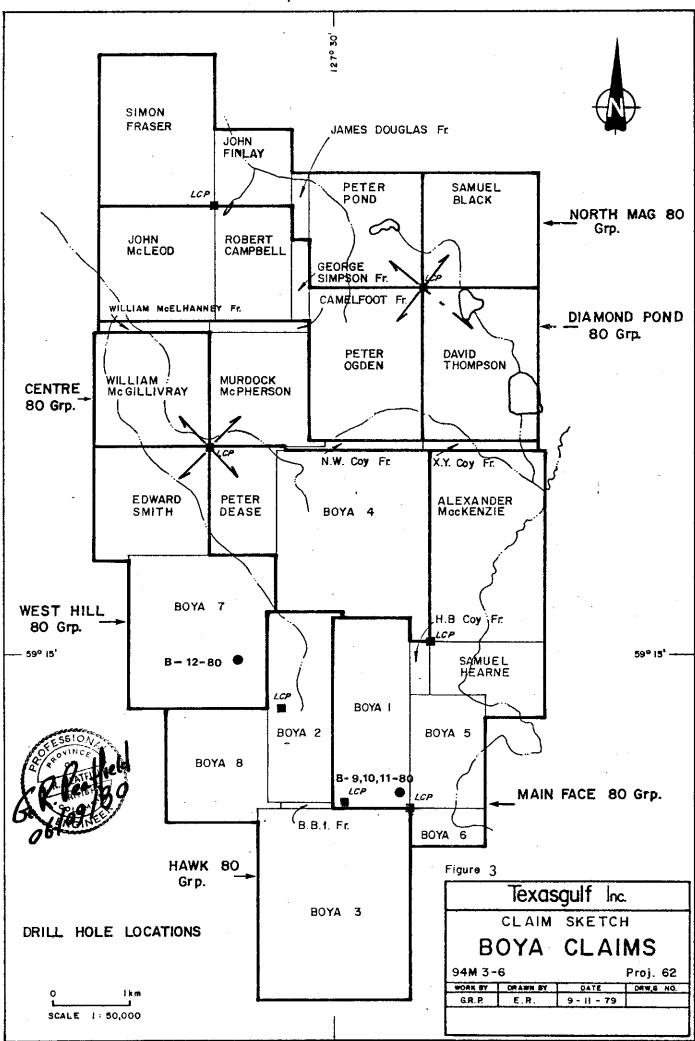
The claims are located in the extreme southwestern corner of the Liard Plain and cover a small hill rising some 300 m above a surrounding gravel-covered area. The maximum elevation on the hill is approximately 1050 m. Local relief is abrupt, especially along the eastern side of the hill (the 'Main Face' 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).







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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).

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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
B-10-80	on BOYA 1	161.5 m same setup
B-11-80	on BOYA 1	145.1 m∫
8-12-80	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.

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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.

#### BIBLIOGRAPHY

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- 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

									• • •
PROPERT	<b>Y:</b> BC	ΟΥΑ		-	EXAS	CIII	E INI	C	HOLE NO. B-9-80
LOCATION	(grid) see	e map		1			1 114	V.	
LOCATION(survey)					DRILL	HOLE	LOG		CLAIM: BOYA 1
AZIM: 315° ELEV: 795m DIP: -53°									SECTION
DEPTH: 264.0 m CORE SIZE: BQ					C	DIP TES		•	LOGGED BY: R.E. Meyers, P.R.DeLancey
STARTED: May 30, 1980					DEPTH	AZIM	DIP		DATE LOGGED: May 31 - June 5, 1980
COMPLETED: June 5, 1980					<u>113.7 m</u>	322°	-53°	ļ	DRILLING CO.: Longyear
CORE RE	COVERY	poor to good			264.0 m	333°	-61.5°		
DE	РТН	REC'Y					DESCRIPT	ri o N	
FROM	то						DESURIE		
0	8.5 m	-	Overburden	, Ci	used.				
8.5	10.8 m	30%	Brown, wea	the	red quartz bi	iotite porp	hyry (QBP).	Bi	otites sericitized, feldspars altered
			(to clay?)	. 1	loderate quan	rtz veining	with some	moly	bdenite, minor pyrite, traces of chal-
			copyrite a	nd :	scheelite.				
10.8	26.8 m	30 - 60%	Dominantly	"pc	orcellanite"	(fine grai	<u>ned calc-si</u>	lica	te hornfels), with short sections of
									molybdenite, weak pyrite and some
			scheelite.			•			
26.8	29.1 m	60%	Intensely	alte	ered QBP, wit	th some qua	rtz veining	and	traces of scheelite.
29.1	37.6 m	65%	Dominantly	po	rcellanite wi	ith some sh	ort QBP sec	tion	s. Moderate quartz veining with some
					nd scheelite.				
37.6	<u>50.0 m</u>	<u> 30 - 70%</u>	Dominantly	QBF	with short	sections o	f porcellar	ite.	The porphyry is moderately to strongly
									g weak molybdenite and scheelite min-
			eralizatio				,		
50.0	62.9 m	10 - 30%	Intensely	frac	ctured and si	ilicified p	orcellanite	, wi	th strong quartz veining carrying
			scheelite a	and	molybdenite.	· · · · · · · · · · · · · · · · · · ·			
62.9	64.0 m	5%	Fault gouge	е.					
64.0	65.5 m	10%	Silicified	and	i well fracti	ured QBP, w	ith strong	quar	tz veining, carrying some pyrite and
			molybdenite	э.					

TEXA	ASGUL	F INC.	DRILL HOLE LOG HOLE NO. B-9-80 2
DE	РТН то	REC'Y	DESCRIPTION
65.5	71.8 m	30%	Strongly altered and quartz veined porcellanite with some molybdenite and scheelite. The
			section ends in a small fault.
71.8	136.0 m	25 - 100%	Strongly altered and veined QBP, with variable amounts of molybdenite and scheelite,
		a yana di mana kangi di manilan dina Malawi w	mostly in the veinlets, but with some molybdenite along slips or fractures. Strong fault
			at 78 - 82 m. The stronger molybdenite mineralization ( in the section 89 - 110 metres)
			seems to be associated with stronger quartz veining and larger veinlets. In the section
			109.5 - 115 m, there is some brecciation.
136.0 ·	145.0 m	60%	Major fault, black gouge.
145.0	264.0 m	40 - 100%	Section is dominantly black carbonaceous shale, silty shale, shaly siltstone, for the
			most part non-calcareous. The rocks are not particularly deformed, showing no crenula-
			tions, and are unmetamorphosed.
			E.O.H. at 264.0 m
		- dugi an di 1 <sup>9</sup> - 2-19 (1997) - 2-19 (1997) -	PROVEN 1
			LAT MILLIO
<b></b>			
		· · · · · · · · · · · · · · · · · · ·	
<u></u>			
P-72-71-71-7-1			
			L

PROPERT	Y: (grid) se	BOYA		TEXAS	GUL	F INC	HOLE NO. B-10-80			
LOCATIO				DRILL HOLE LOG CLAIM BOYA 1						
مد مدده است.»» فادله کان النافات		: 795 m DII	→ - 85°		NULL	LUG				
	161.5 m	CORE SIZ		[	DIP TEST	*	SECTION: LOGGED BY: R.E. Meyers			
	STARTED: June 5, 1980			DEPTH	AZIM	DIP	DATE LOGGED: June 6-11, 1980			
COMPLETED: June 8, 1980			40.2 m	319°	-83.5°	DRILLING CO.: Longyear				
		good to exce	llent	161.5 m		-83°	DATE EING CO. · Eongyeu			
******	PTH		T		[					
FROM	то	REC'Y				DESCRIPTI	ON			
0	7.3 m	_	Overburden	. cased.			*******			
7.3	8.2 m	10%		rcellanite, as in B-9-80. Fragments of quartz veins contain molybdenite, scheelite, an						
			pyrite.			,				
8.2	11.3 m	80%	QBP - oxid	ized, and strong	ly altered,	with weak q	uartz veining and traces of molybdenite			
			and scheel							
11.3	21.0 m	10 - 90%	Porcellani	te, highly fract	ured and al	tered, with	some quartz veining and traces of molyb-			
			1	scheelite, and		ومن المحمد في المحمد الم				
21.0	25.6 m	95%	QBP, stron	gly fractured an	d altered w	ith moderate	quartz veining carrying traces of molyb			
			and the second secon	scheelite, with	ويقتفك كوالة تكراكة الأراكة الأراكة الأنافي والتنابي والشرائي والمتحد فيتعلق فاستكارها		<b>*************************************</b>			
25.6	35.8 m	30 - 100%	Porcellani	te, well fractur	ed with abu	ındant pyrite	and some molybdenite and scheelite, bot			
			1	es and in quartz		***				
35.8	37.2 m	65%	QBP, stron	gly oxidized and	with moder	ate quartz v	eining carrying traces of molybdenite an			
			scheelite.							
37.2	41.8 m	95%	Porcellani	te, strongly fra	ctured with	moderate qu	artz veining. Pyrite and some molybden-			
							quartz veinlets.			
41.8	42.7 m	100%	QBP, modera	ately altered an	d quartz ve	ined, with t	races of molybdenite and scheelite,			
42.7	48.5 m	95%	Porcellani	te, with very sh	ort section	s of QBP. T	he rock is well fractured, with strong			
			1		· · · · · · ·		te and scheelite.			

TEX	ASGUL	F INC.	DRILL HOLE LOG	HOLE NO. B-10-80	PAGE 2
	РТН	REC'Y	DESCRIPTION		
FROM	то				
48.5	52.2 m	95%	Alternating short sections of QBP and porcellanite, both		ng quar
52.2	56.9 m	100%	veining and weak to moderate molybdenite and scheelite mi		
52.2	50.9 11	100%	QBP, strongly altered and quartz veined with moderate mol	ybdenite mineralizat	ion (an
EC 0		F0 300%	traces of scheelite) in veins and on fractures.	***	
56.9	66.1 m	50 - 100%	Porcellanite, with short section of QBP. Strong to inter	<u>ise quartz veining ca</u>	rrying
	00.0	100%	pyrite, molybdenite and traces of scheelite.	and some schoolites i	n tha i
66.1	82.8 m	100%	QBP, strongly altered and quartz veined with molybdenite	and some scheelice i	n the v
82.8	87.9 m	100%	and on fractures. Porcellanite, with only moderate guartz veining and much	loce minomalization	*****
87.9	90.0 m	50%	Major fault zone.	less inneralization.	
90.0	90.0 m 161.5 m	40 - 100%	Black shale, siltstone, etc. as described for hole B-9-80		
90.0	101.5 m	40 - 100%	brack share, strustone, etc. as described for hore b-s-oc	/ •	
		n dat in 1919 al fan in stat 1949 in 1949 in 1949 auf al fan in 1949 a	E.O.H. at 161.5 m	innin del tablé plant entre del tablen en to table etter part anten et del table de la serie de la serie de tab	h) ang kao mang sang sa pang kao pinang sa pang kababa
				*****	a fini ing kangan mapula na pula panana kanak
			Entral 11		
	· ·		Alted		۵۰٬۱۹۹۱ میلیدید ۱۹۹۹ میلیدید ۲۰۰ میلیدید (۱۹۹۹ میلیدید)
			11 12/20		
• •					
		· · ·			

PROPERTY:       BUTA       TEXASGULF       INC.         LOCATION(survey)       See map       DRILL HOLE LOG       CLAIM:       BOYA 1         AZIM:       250° ELEV:       795 m DIP:       -52°       DRILL HOLE LOG       CLAIM:       BOYA 1         AZIM:       250° ELEV:       795 m DIP:       -52°       DIP TEST       LOGGED BYP.R.E         STARTED:       June 9, 1980       DEPTH       AZIM       DIP       COMPLETED:       June 15, 1980       DATE LOGGED:       DATE LOGGED:       DRILLING CO.         CORE RECOVERY:       poor to good       145.1 m       246°       -55°       DRILLING CO.       DRILLING CO.         0       7.9 m       Overburden, cased.       -       DESCRIPTION       DESCRIPTION         0       7.9 m       Overburden, cased.       -       -       overburden, cased.       -         10.0 m       10%       Porcellanite, large white quartz veins.       -       -       and scheelite, along with some pyrite.       -         18.0 28.0 m       30-95%       Porcellanite, with weak to moderate quartz veining, and traces of molyschenite.       -       -       -         28.2 41.8 m       40-80%       Porcellanite, highly fractured and with moderate to strong quartz veinite.       -       -	eLancey, R.E.Me une 11-15, 1980
Location(survey)       Difficult for the second secon	eLancey, R.E.Me une 11-15, 1980
DEPTH:       145.1 m       CORE SIZE:       BQ       DIP       TEST       LOGGED BYP.R.E         STARTED:       June 9, 1980       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       Porcellanite, large white quartz veins.       0       <	une 11-15, 1980
DETIN       Description       Description       Date LogGED: J         STARTED: June 9, 1980       0       65.8 m       248°       -54°       DRILLING CO:       DRILLING CO:         COMPLETED: June 15, 1980       145.1 m       246°       -55°       DRILLING CO:       DRILLING CO:         CORE RECOVERY: poor to good       145.1 m       246°       -55°       DRILLING CO:       DRILLING CO:         PROM       TO       REC'Y       Description       Description         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 tra            and scheelite, along with some pyrite.       -         18.0       28.0 m       30-95%       Porcellanite, with weak to moderate quartz veining, and traces of mol         28.2       41.8 m       40-80%       Porcellanite, highly fractured and with moderate to strong quartz veinite, 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 of	une 11-15, 1980
COMPLETED: June 15, 1980       65.8 m       248°       -54°       DRILLING CO.1         COMPLETED: June 15, 1980       DRILLING CO.1         CORE RECOVERY: poor to good       Item 246°       -55°       DRILLING CO.1         DEPTH       REC'Y       DESCRIPTION         0 7.9 m       Overburden, cased.         7.9       10.0 m       10%       Porcellanite, large white quartz veins.         10.0 m       10%       Porcellanite, large white quartz veining. Veins carry trading with some alteration and strong quartz veining. Veins carry trading with some pyrite.         18.0       28.0 m       30-95%       Porcellanite, with weak to moderate quartz veining, and traces of mole scheelite.         28.0       28.2 m       100%       Narrow sill of QBP.       28.2         28.2       41.8 m       40-80%       Porcellanite, highly fractured and with moderate to strong quartz versing ite, 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 of 57.7 <td></td>	
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DEPTH       REC'Y       DESCRIPTION         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 tra	
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28.241.8 m40-80%Porcellanite, highly fractured and with moderate to strong quartz ver ite, traces of molybdenite and scheelite.41.845.0 m50%Zone of brecciation and faulting, oxidized rusty brown.45.057.7 m10-60%Light grey siliceous porcellanite, strongly fractured and with some of 57.758.4 m75%QBP, somewhat oxidized.	
41.845.0 m50%Zone of brecciation and faulting, oxidized rusty brown.45.057.7 m10-60%Light grey siliceous porcellanite, strongly fractured and with some of 57.758.4 m75%QBP, somewhat oxidized.	
41.845.0 m50%Zone of brecciation and faulting, oxidized rusty brown.45.057.7 m10-60%Light grey siliceous porcellanite, strongly fractured and with some of the somewhat oxidized.57.758.4 m75%QBP, somewhat oxidized.	ning, with some
45.057.7 m10-60%Light grey siliceous porcellanite, strongly fractured and with some57.758.4 m75%QBP, somewhat oxidized.	
57.7 58.4 m 75% QBP, somewhat oxidized.	
	<u>uartz veining.</u>
the state of the second st	
58.4 71.5 m 50% Porcellanite, highly siliceous, grey, with some quartz veining and lo	cal concentrati
of molybdenite along vein margins.	haaran ahaa ka k
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 veing
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	• • •

TEX	ASGULI	F INC.	DRILL HOLE LOG	HOLE NO. B-11-80	PAGE NC
DEPTH		REC'Y	DESCRIPTION		
FROM	то				
			still calc-silicate hornfels, at least in part. Quartz vei		
			short intense sections. Disseminated pyrite and traces of	molybdenite and sc	heelite
			locally.		1-7-7-7-7-7-1-1-7-7-7-7-7-1-1-1-1-1-1-1
122.5	123.2 m	100%	QBP, highly altered.		
123.2	133.0 m	90%	Porcellanite, with moderate quartz veining.		<u></u>
133.0	139.6 m		Fault zone.		
139.6	145.1 m		Shales, etc. as in holes B-9-80 and B-10-80.	4 	
		<u></u>	E.O.H. at 145.1 m		
		······	OFESSION		
			W. Had Held		
			G XLadiao	₩₽₽₩₩₩₽₽₽₩₩₩₽₩₽₩₩₽₩₽₽₽₩₽₽₽₩₽₽₽₩₽₽₽₩₽₽₩₩₽₽₩₩₩₩	
			Obx The	₩₩₩₩₽₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	4 <del>,</del>
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<b></b>					
<b></b>					

PROPERTY	(grid) se	BOYA		1	EXAS	GUL	F IN	C.	HOLE NO. B-12-80	
LOCATION (survey)					DRILL	HOLE	LOG	·	CLAIM : BOYA 7	
AZIM: 33	0° ELEV	: 940 m Dl	P: -70°						SECTION	
DEPTH:	175.6 m	CORE SIZ	ZE: BQ		[	DIP TEST			LOGGED BY: P.R. DeLancey	
STARTED	STARTED: June 18, 1980			].	DEPTH	AZIM	DIP		DATE LOGGED: June 18-23, 1980	
COMPLET	ED: June	21, 1980		]	76.2 m	341°	-67.2°		DRILLING CO.: Longyear	
CORE RE	COVERY:	good to ex	cellent		173.7 m	346°	-66.5°			
DE	этн	nealy					000000	-101		
FROM	то	REC'Y	•				DESCRIPT	IUN		
0	3.0 m	-	Overburden	, ca	ased.					
3.0	77.8 m	98%	QBP - mass	ive,	, medium to f	ine-graine	d quartz bi	otite	e porphyry, weakly altered and with	
			moderate t	0 ·s1	trong quartz	veining an	d locally s	ome r	nolybdenite and scheelite , with dis	
			seminated	eminated pyrite throughout. Alteration seems to decrease with depth, to a pale gree						
			sericitic	ericitic rock, and then increase again below about 35 metres. Below 46 metres, the p						
			phyry is r	elat	ively less a	ltered. Q	uartz veini	ng c	ontinues strong throughout the entir	
			section, w	ith	many veins s	ub-paralle	1 to the co	re a	xis, but molybdenite and scheelite	
			are rare b	elov	v about 50 me	tres.				
77.8	79.5 m	.100%	Zone of mi	xed	brown biotit	<u>e hornfels</u>	<u>, and quart</u>	z pol	rphyry (QP). There is considerable	
	· 		difficulty	100	ally in dist	inguishing	<u>between ho</u>	rnfe]	ls and QP.	
79.5	<u>80.5 m</u>	100%	Brownish-b	lack	<u>to greenish</u>	-buff horn	<u>fels, the g</u>	reen	ish colour probably representing	
	·	, 	hydrotherm	al a	lteration as	it occurs	along frac	tures	s and adjacent to quartz veins.	
					pyrite disse					
80.5	82.5 m	100%	<u>QP - gradi</u>	ng 1	rom fine to	medium cry	<u>stalline ro</u>	<u>ck w</u>	ith abundant quartz eyes and feldspa	
	 			o a	fine grained	rock with	only a few	sma	ll quartz eyes, which rock resembles	
			hornfels.					<del>,</del>		
82.5	83.3 m	100%	Typical br						*******	
83.3	94.6 m	95%	QP - fine	grai	ned, with we	ak quartz -	voining		·	

TEX.	ASGULF	= INC.	DRILL HOLE LOG	HOLE NO. B-12-80	PAGE 2						
DE	РТН	REC'Y	DESCRIPTION								
FROM	то		DESCRIPTION								
94.6	134.9 m	98%	Zone of mixed hornfels and QP in short sections. One is forced to the conclusion that								
			the QP may simply be a metamorphosed clastic sedimentary rock,	part of the su	ccession						
			which has yielded the more typical hornfels from finer sedimen	ts. This was n	oted as						
			problem in surface mapping in this area. There is weak quartz	veining but es	sentiall						
		·····	no molybdenite or scheelite throughout this section.								
134.9	175.6 m	100%	Hornfels - more normal dark grey to black biotite hornfels, wi	th some lighter	<u>bands</u>						
			which resemble porcellanite. Quartz veining is weak to locally moderate and								
			intense, but with essentially no mineralization beyond a littl	e pyrite.							
			E.O.H. at 175.6 m	· · · · · · · · · · · · · · · · · · ·							
			19 17 Viel								
<u></u>			G. K. ARITHING O								
			OFREE	·							
	·										
	<u> </u>				partira da composição da de						
	<u> </u>										
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## APPENDIX B

# Summary of Assays & Analyses

**،** ! PROPERTY: BOYA

HOLE No.: <u>B-9-80</u> PAGE <u>1</u> of <u>2</u>

LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_\_\_315°\_\_\_\_

LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_

ELEVATION: 795 m

INCLINATION: <u>333° / -61.5</u>%t <u>264.0m</u>

-53°

INCLINATION: \_\_\_\_\_ at \_\_\_\_\_

INCLINATION: <u>322° / -53°</u> at <u>113.7</u>m

SAMPLE	METI	RES	Mos	S <sub>2</sub>	Мо	WO	3	W	Cu	
No.	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	pom	07 10	ppm
1476	4.7	7.7	0.008		ļ	0.05				64
77	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
; ]	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		<u> </u>	0.11				58
2	83.0	86.0	0.052		L	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		L	0.14				88
18410	107.0	110.0	0.072	Į		0.09				97

	PROPERTY	: <u>BOYA</u>		ł	HOLE No.	: <u>B-9-80</u>	PA(	GE <u>2</u>	of <u>2</u>	
LATITUDE:	<del></del>	AZ	IMUTH: _		INCLINATION: at					~~
					INCLINATION:/					
ELEVATION						CLINATION				
SAMPLE	METI		And the second se		Мо			W		Си
No.	FROM	T0	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	27 26	ppm
18411	110.0	113.0	0.117	4 . '	<b> </b>	0.38	1	<b> </b> '	<del>  </del>	74
2	113.0	116.0	0.060	4	<b> </b>	0.18	1	'	<u> </u>	54
3	116.0	119.0	0.102	4 ′	<b> </b>  '	0.20	<b> </b>	<b>├</b> ────′	<u> </u>	60
4	119.0	122.0	0.023	4	<b>[]</b>	0.10	4	<b> </b> '	<u>  </u>	46
5	122.0	125.0	0.078	4 '		0.07	<b> </b>	!	<b></b>	53
6	125.0	128.0	0.077	<b>i</b> '	<b> </b>  '	0.07	1	'	<b></b>	56
7	128.0	131.0	0.067	1 '	[]	0.03	!	!	4	49
8	131.0	134.0	0.071	4	<b>[]</b>	0.03	<b>I</b> '	!	<b></b>	35
18419	134.0	136.0	0.157	<b>↓</b> ′	[]	0.04			4	40
			<b></b> '	4 /	[]		!	<b> </b> !	<u>  </u>	<u> </u>
18420	136.0	139.0	<u> </u> !	4	32	<u> </u> !	<b> </b> '	19	4	82
11	139.0	142.0	/	<b>↓</b> ′	11		<b>I</b> !	12		45
2	142.0	145.0	<u> </u> !	<b>1</b>	11	<u>[</u> !	<b>I</b> . 1	35		65
3	145.0	148.0	['	<u>'</u>	14		1	25	ſ	67
4	148.0	151.0		1 . '	35			16		98
18425	151.0	154.0	[!	<u> </u>	· 13			9		60
15901	154.0	157.0		!	3		!	6		36
2	157.0	160.0	[]	1	4		<b>.</b> 1	5		30
3	160.0	163.0		<u> </u>	2		l !	4		31
4	163.0	166.0		1	3			4		23
5	166.0	169.0			3			3		19
6	169.0	172.0		j '	3		1	3		44
7	172.0	175.0	<u> </u>	<u> </u>	]			4	1	29
15908	175.0	178.0		<u> </u>	2			2		20
			· · · · · · · · · · · · · · · · · · ·	<u> </u>						
				<u> </u>						
				<u> </u>						
				j '						
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	1		,	<b> </b> '		1			1	
	1		1	'			I _1		1	
	1	1	,	{ '	[ ]				1	
	1		1	'					1	
	1	1	1	'	[]	1		1	1	
	+		//	1	[]'		1	t	/ <del> /</del>	<u> </u>

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PROPERTY:	BOYA

HOLE No.: <u>B-10-80</u> PAGE <u>1</u> of <u>1</u>

LATITUDE: \_\_\_\_\_ AZIMUTH: \_

ł

LONGITUDE: \_\_\_\_ DIP: \_\_\_

ELEVATION: 795 m

INCLINATION: <u>?</u> / <u>-83°</u> at <u>161.5</u> m INCLINATION: \_\_\_\_\_ at \_\_\_\_\_

INCLINATION: \_319° / \_83.5° at \_40.2 m

SAMPLE	METR	RES	Mo	S <sub>2</sub>	Mo	WO.	3	W	L	Cu
No.	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	a: je	ppm
15910	8.0	11.0	0.025		ļ	0.03			<u></u>	34
1	11.0	14.0	0.018			0.04				26
2	14.0	17.0	0.017			0.04				28
3	17.0	20.0	0.053			0.05				38
4	20.0	23.0	0.038			0.06				57
5	23.0	26.0	0.023			0.06				50
6	26.0	29.0	0.033			0.03				50
7	29.0	32.0	0.090			0.11	-			78
8	32.0	35.0	0.035			0.03				30
9	35.0	38.0	0.070			0.05				39
15920	38.0	41.0	0.057			0.07				26
1	41.0	44.0	0.058			0.10				42
2	44.0	47.0	0.083			0.03				81
3	47.0	50.0	0.123			0.04				47
4	50.0	53.0	0.060	1		0.04				50
<u>;</u> 5	53.0	56.0	0.030		·	0.03				43
6	56.0	59.0	0.095			0.02				30
7	59.0	62.0	0.134			0.02				31
8	62.0	65.0	0.117	]		0.03				125
9	65.0	68.0	0.063			0.07				46
15930	68.0	71.0	0.052	1		0.12				48
]	71.0	74.0	0.102	]		0.04				82
2	74.0	77.0	0.140			0.05				41
3	77.0	80.0	0.143			0.07				127
4	80.0	83.0	0.088	]		0.03				45
5	83.0	86.0	0.020			0.03				83
15936	86.0	87.9	0.008			0.08				48
. <u></u>				]						
	1									
	1									·

315°

-85°

PROPERTY: \_\_\_\_BOYA\_\_\_\_

HOLE No.: <u>B-11-80</u> PAGE <u>1 of 2</u>

LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_

۲. ۱ LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_

ELEVATION: 795 m

INCLINATION: \_\_\_\_\_ At \_\_\_\_\_

INCLINATION: 248° / -54° at \_65.8 m

INCLINATION: 246° / -55° at 145.1 m

SAMPLE	METF	RES	Mo	S <sub>2</sub>	Мо	WO	3	W		Cu
No.	FROM	TO	ASSAYS	AVG.	ррт	ASSAYS	AVG.	ppm	0/ 10	ppm
1601	8.0	11.0	0.025		140	_		33		23
2	11.0	14.0	0.038		180	0.09		1015		<u>54</u>
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	Q.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

250°

-52°

		BOYA				: <u>B-11-8</u>					
LATITUDE:		AZIMUTH:				INCLINATION:/			at		
LONGITUDE:		DI	P:		INCLINATION:			/at			
ELEVATION:		INCLINATION:at							-		
SAMPLE	METR		Mos	Sa	Мо	WO.		W	C	u	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	mqq	0/ /0	nqq	
1636	113.0	116.0	0.028		152	-		3		27	
7	116.0	119.0	0.025		129	-		8		26	
8	119.0	122.0	0.020		100	-		4		38	
9	122.0	125.0	-		5	0.06		130		48	
1640	125.0	128.0	-		21	0.07		120		<u>67 .</u>	
]	128.0	131.0			42	0.08		700		67	
1642	131.0	133.0	-		5	-		18		53	
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ļ	<u> </u>		<b></b>			<u>  </u>					
	ļ		<u> </u>	4	<b></b>						
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PROPERTY: BOYA

HOLE No.: <u>B-12-80</u> PAGE <u>1</u> of <u>2</u>

LATITUDE: \_\_\_\_\_ AZIMUTH: \_\_\_

• • LONGITUDE: \_\_\_\_\_ DIP: \_\_\_\_\_

ELEVATION: 940 m

INCLINATION: <u>346°</u> / <u>-66.5°</u> at <u>173.7</u> m

330°

-70°

INCLINATION: \_\_\_\_\_ at \_\_\_\_\_

INCLINATION: <u>341° / -67.2°at 76.2 m</u>

SAMPLE	METR	RES	Mos	$\delta_{2}$	Мо	WO.	3	W	(	Cu
No.	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	a; ;o	DOM
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
]	27.0	30.0	0.023			0.01				21
2	30.0	33.0	0.050			<b>×</b> 0.01				17
3	33.0	36.0	0.035			<b>×</b> 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			<b>&lt;</b> 0.01				33
3	63.0	66.0	0.006			<b>&lt;</b> 0.01				20
4	66.0	69.0	0.010			0.01				21
5	69.0	72.0	0.010			<b>×</b> 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			<u> </u>				24
9.	81.0	84.0			17			7		27
1670	84.0	87.0	<b></b>		64			17	 	9
1	87.0	90.0			29			7		9
2	90.0	93.0			50			16	<u> </u>	17
3	93.0	96.0			18		а. 1	9		45
4	96.0	99.0			41			10		188
5	99.0	102.0	L		11			2		70
6	102.0	105.0			4			12		31
1677	105.0	108.0		[	5			3		25

P	PROPERTY: BOYA				HOLE No.: <u>B-12-80</u> PAGE <u>2</u> of <u>2</u>					
LATITUDE:	. <del></del>	AZIMUTH:				INCLINATION: at				
					INCLINATION: at					
ELEVATION:						CLINATION				
SAMPLE	METF	ES	Mo	S <sub>2</sub>	Мо	WO	3	W		Cu ]
No.	FROM	TO	ASSAYS	AVG.	the second s	ASSAYS	AVG.	ppm	ar R	חוסס
1678	108.0	111.0			1			4		20
9	111.0	114.0			3			3		27
1680	114.0	117.0			3			4		39
1	117.0	120.0			2			4		32
2	120.0	123.0			6			4		49
. 3	123.0	126.0			1			450		22
· 4	126.0	129.0			1			3		25
5	129.0	132.0			3			3		50
6	132.0	135.0			10			13		23
7	135.0	138.0			6			3		34
8	138.0	141.0			4			3		4]
9	141.0	144.0			3			2		64
1690	144.0	147.0			17			3		33
1	147.0	150.0			10			250		55
2	150.0	153.0			3			16		39
3	153.0	156.0			· 7			7		45
4	156.0	159.0			6			3		37
5	159.0	162.0			3			6		63
6	162.0	165.0			5			30		41
7	165.0	168.0			4			8		56
8	168.0	171.0		• .	3			15		55
1699	171.0	175.6			10			5		25
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# APPENDIX C

# Statements of Qualification

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#### 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

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#### 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	ROOM AND BOARD							
	man-days @ \$50 man-days @ \$50 . and	2,000.00 <u>3,800.00</u> 5,800.00	5,800.00					
HELICOPTER (Texasgulf Bell 206B)								
20 hours @ \$330			6,600.00					

#### DIAMOND DRILLING

Longyear invoice charges for drilling, survey, core boxes, supplies, equipment left in hole, moving time, etc., but exclusive of diamond bit costs.

#### ANALYTICAL COSTS (Bondar-Clegg & Co. Ltd.)

109 MoS2 assays @ \$6.00	654.00
97 W03 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	127.05
a Divide A	1,875.45
20000	
C. Ketter The	

1,875.45

45,701.00

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	<u>140.00</u> 740.00

#### ROOM AND BOARD

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

### HELICOPTER (Texasgulf Bell 206B)

10 hours @ \$330 3,300.00

#### DIAMOND DRILLING

Longyear invoice charges for drilling,	13,845.96
survey, core boxes, supplies, moving	
time, etc., but exclusive of diamond	
bit costs.	

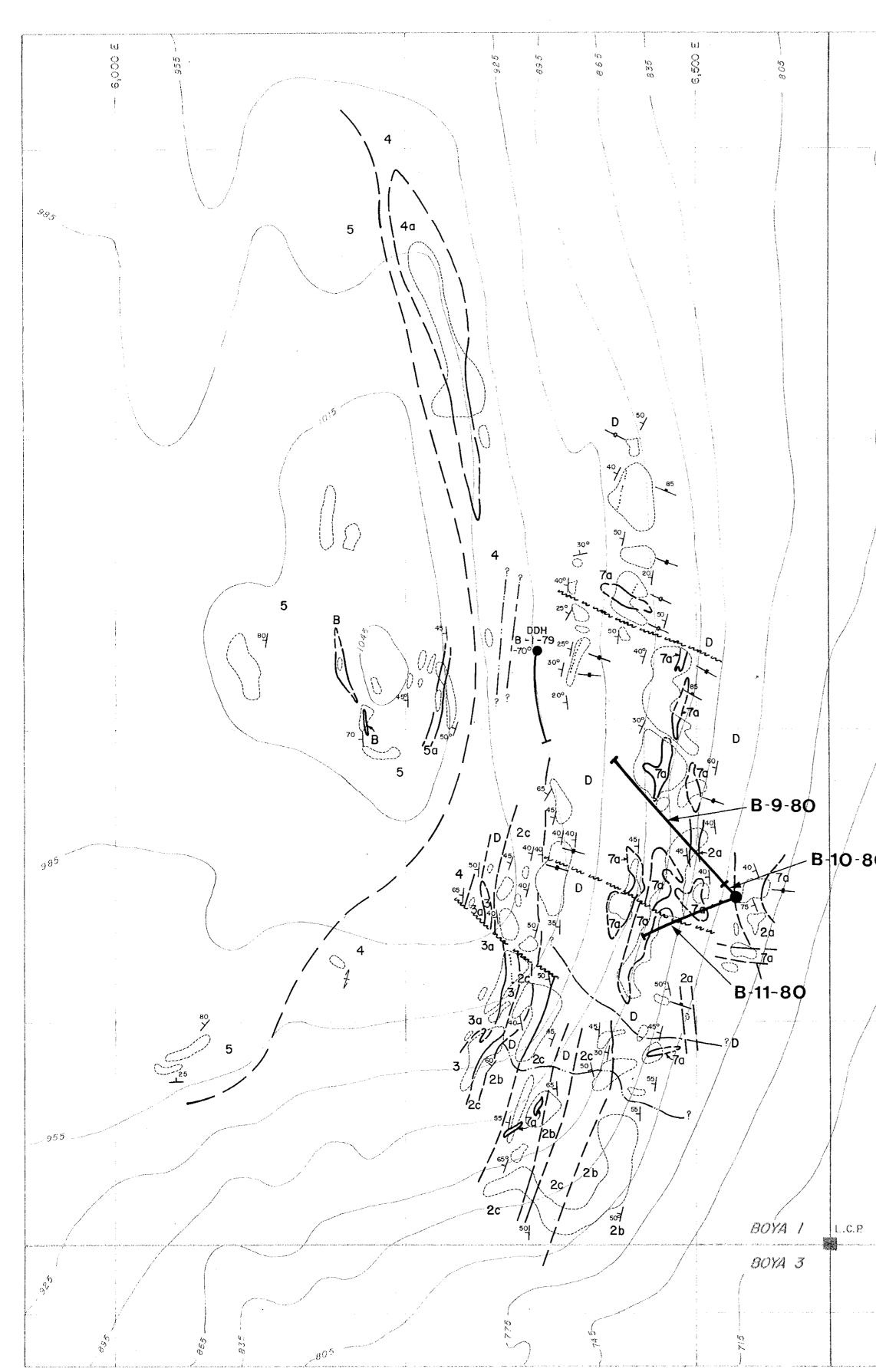
### ANALYTICAL COSTS (Bondar-Clegg & Co. Ltd.)

26	MoS, assays @ \$6.00	156.00
26	W0 <sub>2</sub> <sup>2</sup> assays @ \$9.00	234.00
31	Cu, Mo geochem @ \$2.40	74.40
	W geochem @ \$3.75	116.25
	Cu geochem @ \$1.65	42.90
31	sample preparation @ \$2.00	62.00
	- <b>/ *</b> **	685.55



740.00





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NROWGLE LEVE MR

	EGEND
	INTRUSIVE ROCKS
7° / 7,500 N	Quartz-biotite-feldspar porphyry dykes, sills, and irregular introsise bodies.
	METAMORPHIC ROCKS (Within the thermal aureole of Unit 7c)
	'Porcellanite' - fine, banded siliceous skarn, composed of alternating layers of quartz and diopside.
	Coarse garnet skarn, generally occurring as concordant layers in limestone or marble.
	<ul> <li>Thin stratiform lenses of pyrrhotite - chalcopyrite - scheelite mineralization in quartz - diopside skarn.</li> </ul>
	UNMETAMORPHOSED SEDIMENTARY STRATA
	Massive grey weathering limestone, often bedded; a: local unit of finely bedded limestone, sandy limestone. Dark siltstone and shale; a: local massive white weathering limestone. "Volcanic unit" - andesitic flows and breccias; a: tuffs, tuffaceous shales, chert. Thinly bedded grey limestone and limey shale.
	Finely banded shale, siliceous shale, siltstone, fine sandstone, rare very thin limestone bands.
	Quartzite (seen only in the metamorphic zone).
	note: Units 2 a - c are intercalated.
	SYMBOLS
7,000 N	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. MINIPAL REPOURCES DO
-	L.C.P. Legal Corner Post for Mineral Claims.
	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.
VA K	BOYA CLAIMS
1YA 5 1YA 6	DE TAILED GEOLOGY - MAIN FACE
<i>in 9</i>	NTS 94M/3W Proj. 62
6,500 N	WORK BYDRAWN BYDATEDRW,GNO.G.R.P., C.R.E.R.APRIL 28, 1980
	50 0 50 100 150 200

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