REPORT ON

DIAMOND DRILLING

by

P.R. DeLancey, P.Eng.

on the

MOLLY TOM 1 & 2

MINERAL CLAIMS

(Parts of the Mt. THOMLINSON Property)

Situated north of Hazelton, B.C.
in the Omineca Mining Division

55°35'N, 127°29'W
NTS 93M/11W

owned by
TEXASGULF CANADA LTD.
now known as
KIDD CREEK MINES LTD.

work by
TEXASGULF INC.

March 1982

Vancouver, B.C.

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INTRODUCTION

Location, Access, Terrain and Climate

The Mt. Thomlinson property is located 38 km northeast of Hazelton, British Columbia (see Figures 1 & 2). The camp and the principal molybdenite occurrences lie at about 1850 metres above sea level, along a north trending ridge 4.5 km north of Mt. Thomlinson (see Figure 3).

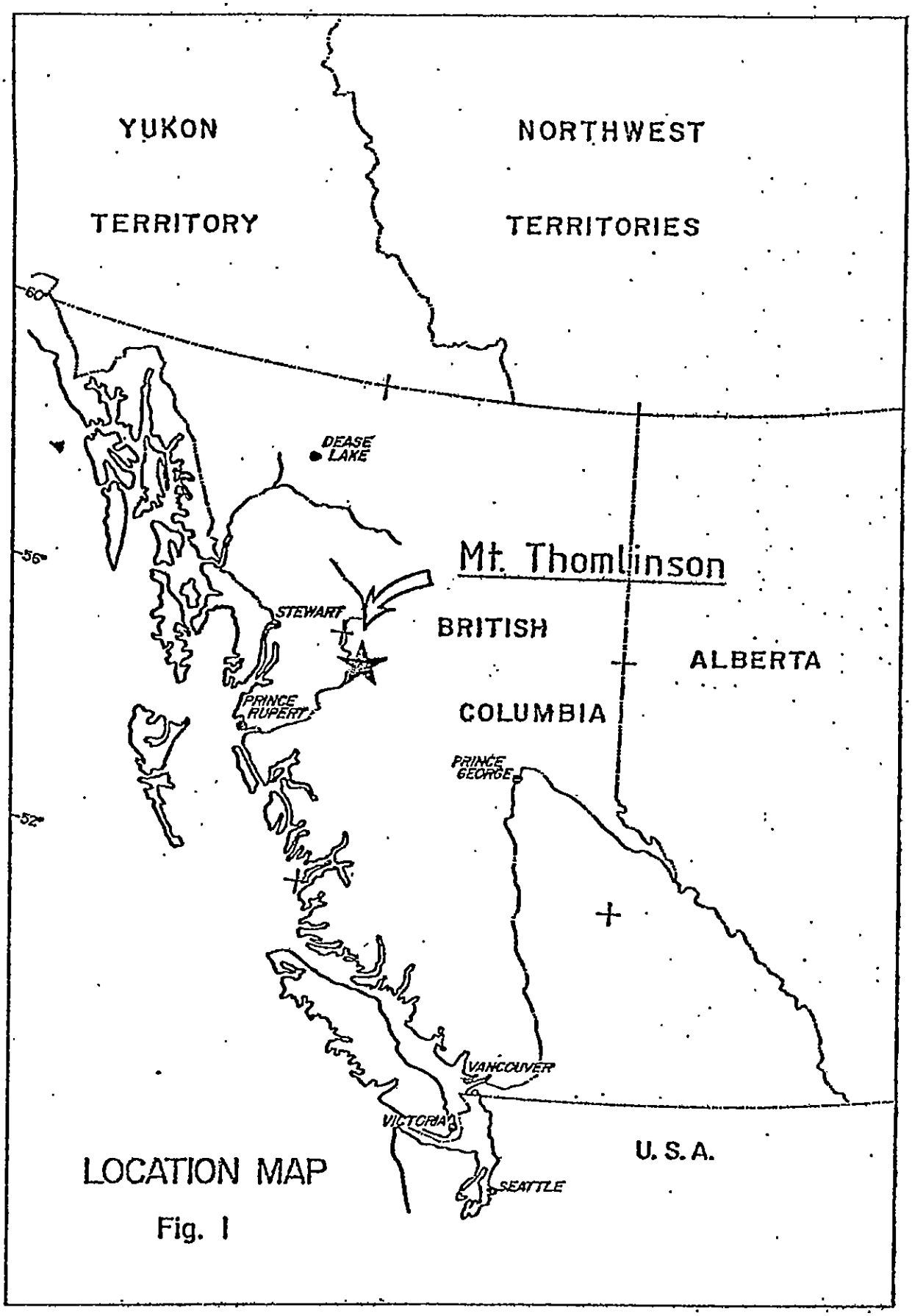
Access is by helicopter. Chartered helicopters are available in Smithers, 90 km south. Supplies and equipment can be flown from a logged area 15 km northwest of camp or from farms near Kispiox, 25 km west.

The topography of the property is extreme, with 850 metres of relief on the claims. Local treeline is about 1350 m, 500 metres below the camp. Regional topography is characterized by isolated rugged mountain peaks separated by broad, wooded valleys. Many of the peaks are over 2000 m high and are surrounded by ice and snow fields. The mountain slopes are steep, and generally covered with talus.

The region has a cool temperate climate with moderate rainfall, with the mountainous areas generally covered with snow until mid-July. Sporadic snowfall can occur at any time but becomes increasingly common in September and snow accumulates in October. High winds and local clouds are commonplace along the ridge, even during summer months.

Property History

The showings were originally staked in 1962 by three prospectors from Hazelton, and optioned by Buttle Lake Mining (later Stampede International Resources Ltd.).



LOCATION MAP

Fig. 1

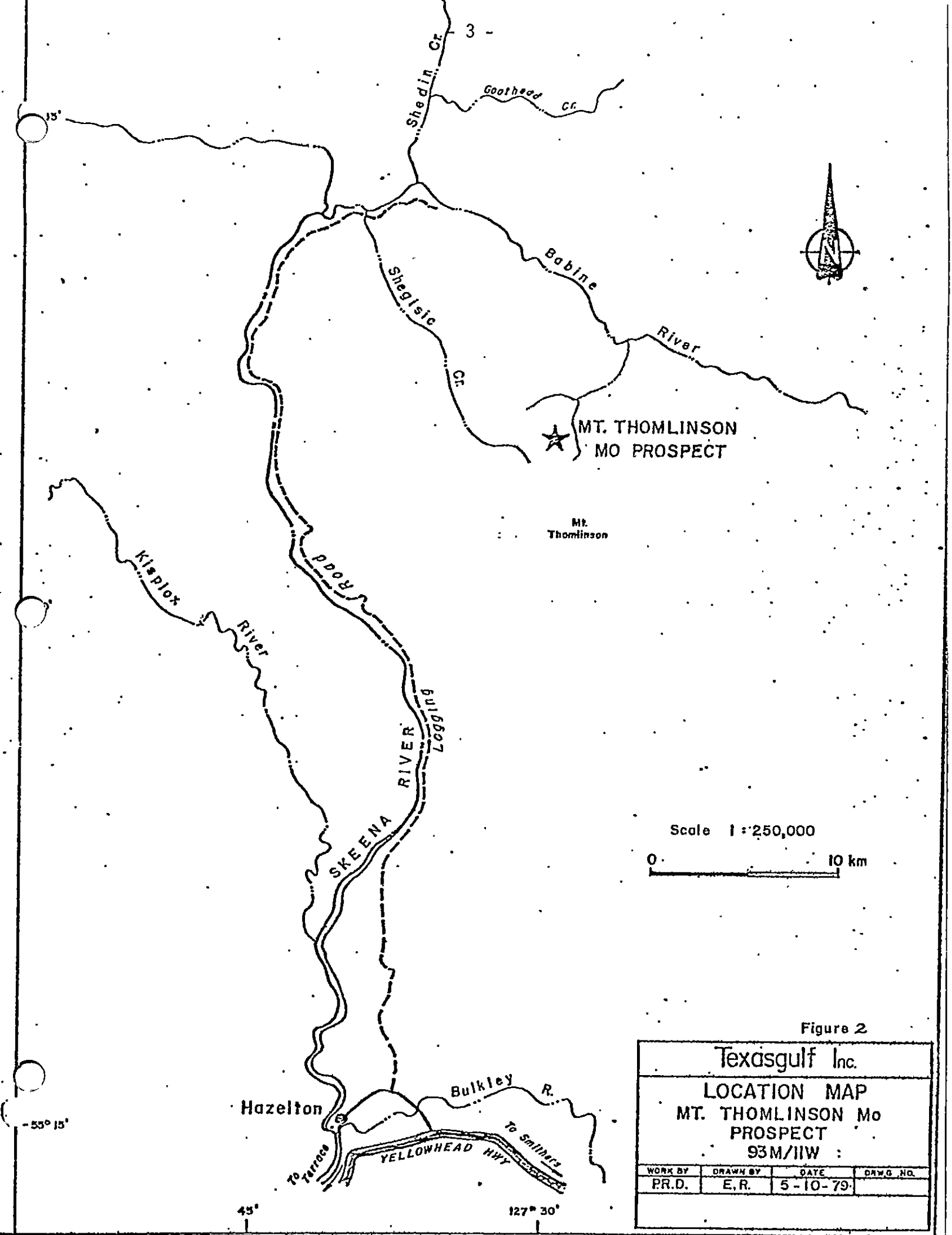


Figure 2

Texasgulf Inc.			
LOCATION MAP MT. THOMLINSON Mo PROSPECT 93M/11W :			
WORK BY	DRAWN BY	DATE	DRWG. NO.
P.R.D.	E.R.	5-10-79	

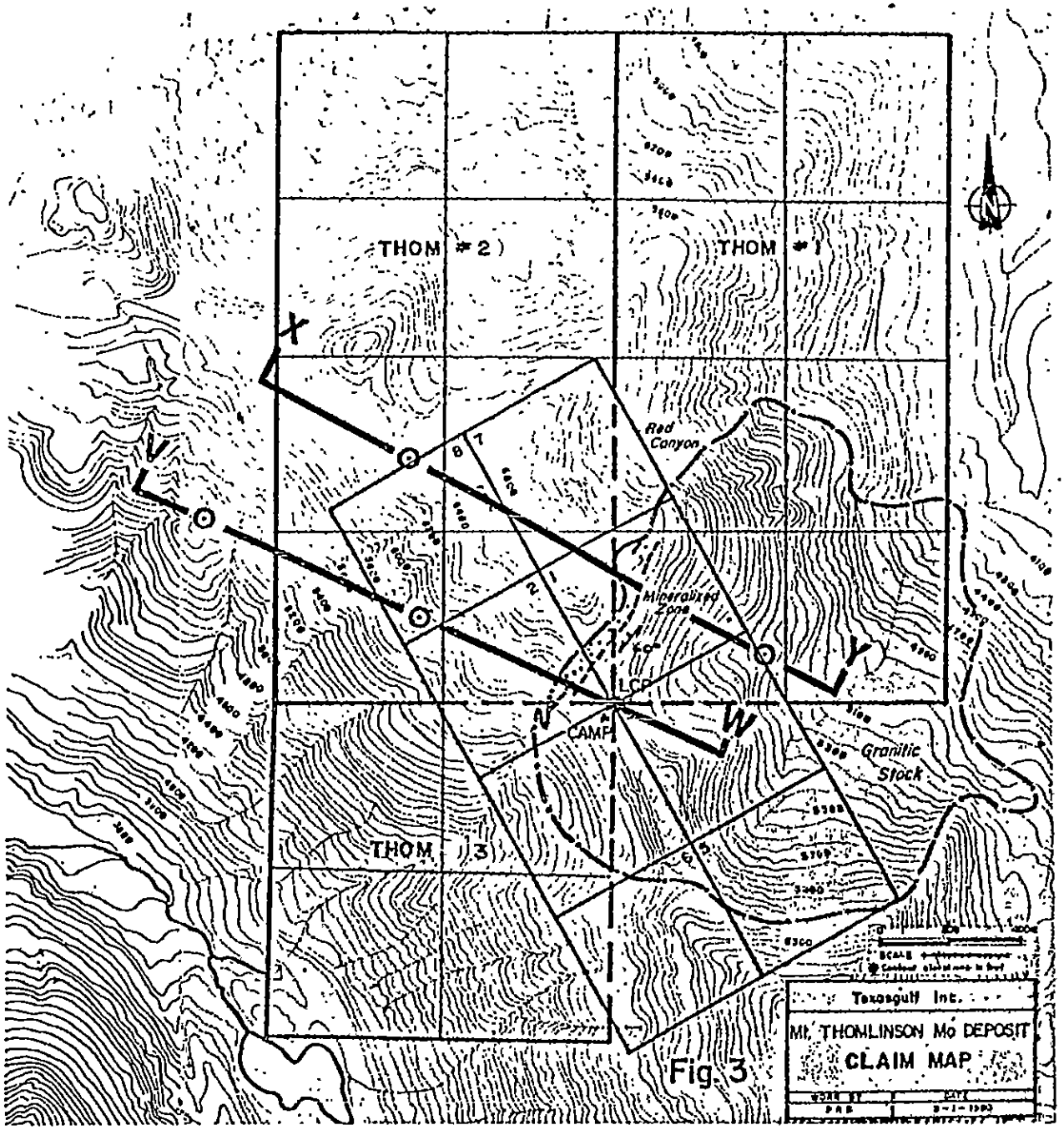

THOM #2
THOM #1
THOM #3
X
Y
V
W
Red Canyon
Mineralized Zone
LCP
CAMP
Granitic Stock
Texasgulf Inc.
MT. THOMLINSON Mo DEPOSIT
CLAIM MAP

Fig. 3

In 1963, the property was mapped, trenched and sampled by Buttle Lake Resources. In August of that year, the property was examined and optioned by AMAX (then known as Southwest Potash). Loudon (1963) spent nine days on the property, produced a map, and recommended the option.

In 1964 and 1965, Southwest Potash conducted programmes of geological mapping, surveying, prospecting, geochemistry and drilled nine BQ diamond drill holes totalling 2,459 m. The results are summarized in reports by Mannard and Sinclair (1964), and Carithers (1965). The property was subsequently allowed to lapse.

AMAX staked the ground again in 1975, and carried out a program of mapping on a scale of 1:2400. The claims were allowed to lapse.

In 1979, the Molly Tom claims were staked by John Bot, an independent prospector from Smithers. He optioned the property to Texasgulf Canada Ltd. on May 16, 1979. P.R. DeLancey visited and examined the property in preparation for a drill programme in 1980 (DeLancey, 1980).

Work done by Texasgulf in 1980 included construction of a camp and drill site, and diamond drilling one NQ wireline hole that was abandoned at 213 m, about 500 metres short of the projected target depth. This hole, DDH TH-1-80, penetrated strongly fractured Bowser Lake Group shales with sparse quartz and calcite veinlets and finely disseminated pyrite.

Claim Status

Prior to 1981, the property consisted of eight "two post" claims known as Molly Tom #1 to #8, and the THOM #1 and THOM #2 Claims of six claim units each (see Figure 3). The THOM 3, of four claim

units, was located in August 1981, and is contiguous with the southern boundary of THOM #2 (Figure 3).

The original Molly Tom #1 to #8 were transferred by bill of sale to Texasgulf Canada Ltd. Subsequent claims were staked in that Company's name. All claims are now owned by Kidd Creek Mines Ltd. Transfer was by a legal change of Company name effective December 30, 1981. The claim ownership transfer was recorded in Vancouver on March 5, 1982.

Summary of Work Completed

During the 1981 season, Texasgulf Inc., on behalf of Texasgulf Canada Ltd., repaired the camp, located a drill site and contracted the drilling of four NQ diamond drill holes totalling 1632.3 m. Mineralized core was assayed for Cu and MoS_2.

All drilling was carried out on the Molly Tom #1 and Molly Tom #2 mineral claims (Figure 3).

GEOLOGY

The geology of the property has been described in several company and government reports (see Bibliography).

Molybdenite and lesser chalcopyrite occur within a quartz vein system along the northwestern contact of a 53.8 Ma old quartz monzonite stock cutting argillites of the Bowser Lake Group (Figure 3 and 4). The mineralized zone is an irregular tabular zone, up to 100 m wide, and dips at approximately 60° to the northwest.

DIAMOND DRILLING

The locations of the four diamond drill holes, drilled from the same site, are shown in Figure 4. D.D.H. T-1-81, collared at -52°, was abandoned at 173.8 m because of bad ground conditions.

T-2-81 collared at -45° intersected 357 m (true thickness 78.7 m) of 0.115% MoS_2 and 0.11% Cu and was stopped in the argillites at 769.3 m. T-3-81 (-51°) was abandoned at 87.5 m due to drilling difficulties. T-4-81 (-52 1/2°) was stopped at 601.7 m in the hanging wall shales; no significant mineralization was encountered. Mineralized core (mostly from T-2-81) was split and 3 metre sections assayed for Cu and MoS_2. Drill core logs are presented in Appendix B; assay results are listed in Appendix C. Core is stored at the Mt. Thomlinson camp.

The intersection obtained in T-2-81 is not significantly better than intersections obtained by AMAX at higher levels within the zone. No drilling is planned for 1982.

P. R. DeLancey

P.R. DeLancey, P.Eng.

P. R. DeLancey

BIBLIOGRAPHY

Bending, D.A. (1981): Assessment Work Report Diamond Drilling Program August and September, 1980, on claims Molly Tom 1-4 and 8, Omineca Mining Division, B.C. Report submitted for assessment credit to the British Columbia Ministry of Energy, Mines and Petroleum Resources, March 1981.

Carithers, Ward (1965): Report on the Buttle Lake Molybdenite Project, Mount Thomlinson, B.C., unpublished AMAX Company Report, 15 pages.

DeLancey, P.R. (1980): Geological Report of the Thom Group, Mount Thomlinson, Omineca Mining Division, unpublished Texasgulf Company report, 7 pages.

Kirkham, R.V. (1964): B.C. Department of Mines and Petroleum Resources Report, 1964, pp. 48-89.

Loudon, J.R. (1963): Buttle Lake Molybdenite Prospect Supplemental Geological Report, unpublished AMAX Company Report, 19 pages.

Mannard, G.W. and Sinclair, A.J. (1964): Buttle Lake MoS_2 Project - 1964. Unpublished AMAX Company Report, 73 pages.

APPENDIX A

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

THOM-82 GROUP

SALARIES AND FRINGE BENEFITS - TEXASGULF INC.

G.R. Peatfield, P.Eng. Period July 13 - Aug 2; 2 days @ $220	440.00	
P.R. DeLancey - P.Eng Period July 5 - Aug 31; 41 days @ $200	8,200.00	
G. Cooper - Geologist Period July 6 - Sept 15; 65 days @ $ 95	6,175.00	
R. Lemery - Assistant Period July 6 - Aug 26; 52 days @ $ 50	2,600.00	
C. Aspeslet - Expediter Period July 3 - Sept 15; 44 days @ $ 85	3,740.00	
T. Eigeard - Cook Period July 6 - Sept 14; 64 days @ $ 80	5,120.00	
J. Etzkorn - Cook Period Aug 15 - 21 7 days @ $ 80	560.00	
	26,835.00	26,835.00

ROOM AND BOARD

Tg personnel - 231 days @ $80	18,480.00	
Longyear personnel - 290 days @ $80	23,200.00	
	41,680.00	41,680.00

HELICOPTER SUPPORT

Invoice totals, Northern Mountain Helis	29,850.00	
Invoice totals, Okanagan Helis	19,776.12	
Texasgulf leased A-Star, 188 hrs @ $550	103,400.00	
	153,026.12	153,026.12

DIAMOND DRILLING

Longyear Canada invoices for drilling, wedging, survey, core boxes, supplies and equipment, moving, mob. and demob.	167,837.58	
Rental of Sperry-sun survey instrument	4,088.84	
	171,926.42	171,926.42

c/fwd.

		c/fwd
		393,467.54
ANALYTICAL COSTS		
161 MoS_2 assays @ $ 8.50	1,368.50	
161 Cu assays @ $ 6.00	966.00	
	2,344.50	2,344.50
REPORT PREPARATION		
G.R. Peatfield, P.Eng. 1/2 day @ $220	110.00	
P.R. DeLancey, P.Eng. 1 day @ $200	200.00	
Drafting, Secretarial, etc.	275.00	
	585.00	585.00
MISCELLANEOUS		
Office & technical supplies	100.00	
Pro-rated share of travel	550.00	
Shipping and storage	1,000.00	
Communications (radio, etc.)	1,000.00	
	2,650.00	2,650.00
		399,047.04

G.R. Peatfield
12/03/82

APPENDIX C

ASSAYS OF DIAMOND DRILL CORE

APPENDIX C

PROPERTY: MT. THOMLINSON HOLE No.: T-2-81 PAGE 1 of 5

LATITUDE: E59200 AZIMUTH: 300 INCLINATION: -45 / ____ at 146.3 m

LONGITUDE: N6160800 DIP: -44 1/2° INCLINATION: -47 / ____ at 350.5 m

ELEVATION: 1850 m INCLINATION: -49° / ____ at 729.7 m

SAMPLE No.	METRES		MoS_2		Mo	WO_3		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
60001	318	321	0.003						0.07	
2	321	324	0.010						0.19	
3	324	327	0.010						0.10	
4	327	330	0.010						0.12	
5	330	333	0.005						0.13	
6	333	336	0.007						0.46	
7	336	339	0.017						0.19	
8	339	342	0.020						0.13	
9	342	345	0.003						0.10	
60010	345	348	0.025						0.08	
1	348	352	0.010						0.08	
2	351	354	0.007						0.10	
3	354	357	0.010						0.16	
4	357	360	0.017						0.11	
5	360	363	0.025						0.09	
6	363	366	0.013						0.06	
7	366	369	0.037						0.09	
8	369	372	0.003						<0.01	
9	372	375	0.032						0.12	
60020	375	378	0.028						0.10	
1	378	381	0.022						0.09	
2	381	384	0.050						0.10	
3	384	387	0.088						0.14	
4	387	390	0.068						0.15	
5	390	393	0.090						0.12	
6	393	396	0.092						0.07	
7	396	399	0.013						0.03	
8	399	402	0.047						0.10	
9	402	405	0.185						0.14	
60030	405	408	0.053						0.16	
1	408	411	0.057						0.11	
2	411	414	0.030						0.28	
3	414	417	0.042						0.12	
4	417	420	0.065						0.11	
60035	420	423	0.023						0.09	

PROPERTY: MT. THOMLINSON HOLE No.: T-2-81 PAGE 2 of 5

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
60036	423	426	0.030						0.10	
7	426	429	0.050						0.08	
8	429	432	0.020						0.10	
9	432	435	0.042						0.11	
60040	435	438	0.067						0.11	
1	438	441	0.107						0.12	
2	441	444	0.103						0.18	
3	444	447	0.132						0.17	
4	447	450	0.127						0.15	
5	450	453	0.070						0.13	
6	453	456	0.088						0.17	
7	456	459	0.067						0.15	
8	459	462	0.035						0.11	
9	462	465	0.023						0.08	
60050	465	468	0.015						0.09	
1	468	471	0.113						0.16	
2	471	474	0.040						0.11	
3	474	477	0.067						0.18	
4	477	480	0.095						0.15	
5	480	483	0.332						0.18	
6	483	486	0.053						0.06	
7	486	489	0.277						0.13	
8	489	492	0.165						0.12	
9	492	495	0.252						0.10	
60060	495	498	0.070						0.09	
1	498	501	0.147						0.18	
2	501	504	0.068						0.09	
3	504	507	0.102						0.15	
4	507	510	0.102						0.11	
5	510	513	0.065						0.10	
6	513	516	0.162						0.12	
7	516	519	0.187						0.14	
8	519	522	0.123						0.18	
9	522	525	0.095						0.13	
60070	525	528	0.130						0.14	

PROPERTY: MT. THOMLINSON HOLE No.: T-2-81 PAGE 3 of 5

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
60071	528	531	0.190						0.10	
2	531	534	0.087						0.12	
3	534	537	0.097						0.15	
4	537	540	0.193						0.15	
5	540	543	0.152						0.13	
6	543	546	0.042						0.06	
7	546	549	0.055						0.10	
8	549	552	0.138						0.08	
9	552	555	0.115						0.10	
60080	555	558	0.138						0.08	
1	558	561	0.177						0.13	
2	561	564	0.067						0.10	
3	564	567	0.225						0.18	
4	567	570	0.569						0.13	
5	570	573	0.022						0.05	
6	573	576	0.103						0.10	
7	576	579	0.197						0.11	
8	579	582	0.138						0.08	
9	582	585	0.088						0.07	
60090	585	588	0.060						0.06	
1	588	591	0.030						0.07	
2	591	594	0.108						0.09	
3	594	597	0.060						0.06	
4	597	600	0.085						0.10	
5	600	603	0.173						0.06	
6	603	606	0.075						0.05	
7	606	609	0.160						0.08	
8	609	612	0.375						0.09	
9	612	615	0.102						0.08	
60100	615	618	0.060						0.05	
60951	618	621	0.542						0.22	
2	621	624	0.163						0.10	
3	624	627	0.152						0.11	
4	627	630	0.188						0.08	
60955	630	633	0.160						0.12	

PROPERTY: MT.THOMLINSON HOLE No.: T-2-81 PAGE 4 of 5

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
60956	633	636	0.062						0.11	
7	636	639	0.052						0.07	
8	639	642	0.040						0.07	
9	642	645	0.037						0.07	
60960	645	648	0.117						0.07	
1	648	651	0.042						0.06	
2	651	654	0.122						0.07	
3	654	657	0.227						0.08	
4	657	660	0.127						0.10	
5	660	663	0.244						0.07	
6	663	666	0.250						0.07	
7	666	669	0.072						0.07	
8	669	672	0.053						0.07	
9	672	675	0.030						0.04	
60970	675	678	0.095						0.11	
1	678	681	0.035						0.03	
2	681	684	0.267						0.12	
3	684	687	0.190						0.31	
4	687	690	0.093						0.13	
5	690	693	0.145						0.08	
6	693	696	0.037						0.10	
7	696	699	0.040						0.05	
8	699	702	0.027						0.08	
9	702	705	0.205						0.09	
60980	705	708	0.062						0.05	
1	708	711	0.072						0.06	
2	711	714	0.107			0.02			0.07	
3	714	717	0.080			0.01			0.05	
4	717	720	0.203						0.05	
5	720	723	0.170						0.03	
6	723	726	0.062						0.08	
7	726	729	0.087						0.11	
8	729	732	0.200						0.16	
9	732	735	0.097						0.07	
60990	735	738	0.080						0.04	

PROPERTY: MT. THOMLINSON HOLE No.: T-2-81 PAGE 5 of 5

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
60991	738	741	0.025						0.08	
2	741	744	0.048						0.07	
3	744	747	0.022						0.04	
4	747	750	0.052						0.06	
5	750	753	0.017						0.01	
6	753	756	0.068						0.02	
7	756	759	0.098						0.02	
8	759	762	0.013						0.05	
9	762	765	0.083						0.05	
61000	765	768	0.053						0.04	
00001	768	769.3	0.032						0.08	

PROPERTY: MT.THOMLINSON HOLE No.: T-4-81 PAGE 1 of 1

LATITUDE: E59200 AZIMUTH: 265° INCLINATION: -52 / A2.262 at 156.7

LONGITUDE: N1660800 DIP: -52 1/2° INCLINATION: -51 / A2.256 at 381.0

ELEVATION: 1850 INCLINATION: -47 1/2 A2.245 at 601.7

SAMPLE No.	METRES		MoS_2		Mo	WO_3		W	Cu	
	FROM	TO	ASSAYS	AVG.	ppm	ASSAYS	AVG.	ppm	%	ppm
18902	441	444	0.018						0.02	
18903	444	447	0.006						0.01	
18901	534	537	0.003						0.06	
18904	555	558	0.010						0.17	
18905	570	573	0.030						0.08	
18906	573	576	0.020						0.19	
18907	576	579	0.020						0.05	
18908	579	582	0.028						0.06	
18909	585	588	0.030						0.10	
18910	588	591	0.031						0.07	

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO.	PAGE NO.
T-1-81	1

PROPERTY: MOLLY TOM
LOCATION: Mt. Thomlinson
Map co-ordinates N6160800 E 59290
AZIM: 300° ELEV: 1850 m
DIP: -52° LENGTH: 173.74 m
CORE SIZE: NQ
STARTED: July 11, 1981
COMPLETED: July 19, 1981
PURPOSE: To test down dip extension of mineralized zone encountered in BL-1-64
CORE RECOVERY: very good

DIP TEST

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
19.2m	303°	-52°	121.9m	304°	-523/4°
29.0m	3021/2°	-52°	147.8m	305°	-53
54.9m	303°	-52°			
88.4m	302°	-52°			
109.7m	302°	-521/2°			

CLAIM NO: MOLLY TOM 1
SECTION: AA' (BL-1-64, T-1-80, T-1-81)
LOGGED BY: P. DeLancey, G. Cooper
DATE LOGGED: July 11 to 20, 1981
DRILLING CO: Longyear Canada Ltd.
ASSAYED BY:

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Casing 0-3.35						
		Box 1 3.35-9.17						
		Biotite Quartz Monzonite Porphyry	3.35	6.00	85			
		Light grey crystalline matrix with medium-grained euhedral black biotite and euhedral grey quartz scatterd evenly throughout. Feldspars (plag?) are less distinctive and range from 10 mm to groundmass. Large K-spar mega-crystals 10 mm to 50 mm (1-5 cm) are distributed throughout. Iron staining is common in fractured sections. Black (MnO_2?) staining	6.0	9.0	100			

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 2

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		is common along fractures. Locally alteration of biotite to chlorite & sericite, also feldspar to kaolinite; causing greenish tinge. Less altered rock shows only feldspar phenocrysts to kaolinite which accentuates the porphyritic texture. Alteration is frequently adjacent to a quartz vein or fracture.						
trace 7 disseminated pyrite								
8								
Feld. + biotite alt. to sericite chlorite + Kaol-g inite.								
			9.0	12.0	100			
		Box 2 9.13-14.90						
10	//	Biotite Quartz Monzonite Porphyry						
		Same general description as above. From 11.3-11.7 patches of blue azurite occur throughout the rock- no copper sulphides were noted. From 14.3-14.9 feldspars and biotite are partially altered.						
11								
12	//		12.0	15.0	100			
13								
14								
15		Box 3 14.90-20.33						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 3

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		BQMP + Leucocratic Granite Intrusive						
argillic + propylitic		14.9-15.1 biotite completely altered, feldspar only partially altered with disseminated pyrite	15	18	100			
16		15.1-19.0 BQMP with quartz veins (Q.V.) showing argillic (feldspar→kaolinite) alteration and propylitic (biotite→chlorite ± sericite ± pyrite) alteration.						
tr. diss. pyrite 17		Quartz veins up to 10 mm wide with grey white (argillic) and green (propylitic) envelopes. Sporadic iron staining and/or MnO_2 on fractures.						
18		19.0→ Leucocratic Granite. grey white, fine- to medium-grained, crystalline. Biotite less common, feldspars more pinkish, possibly due to an increase in K-spar.	18	21	100			
19		Some chloritization associated with quartz veins or stringers. Some iron staining. Disseminated pyrite in propylitic zones.						
		Note: Intrusive contact is almost aplitic						
20								
		Box 4 20.33-26.16						
		Leucocratic Granite + BQMP						
21		Intrusive as above; some pinkish feldspar, some Q.V. & propylitic alteration to 22.25.	21	24	100			
		22.25-23.3 feldspar less euhedral, white, little to no K-spar or chlorite, quartz veins irregular and						
22		iron staining spotty. MnO_2 on fractures and in vugs in quartz veins. Lower contact gradational through 23.3						
		23.3 → BQMP						
23		23.6-24.3 Quartz stringers up to 7 mm, pyrite in Q.V; MnO_2 on fractures.						
tr. pyrite								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 5

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		some quartz veins and associated propylitic alteration.						
tr. $CuFeS_2$, MoS_2 33		32.5-33.5 Leucocratic Granite is approaching an aplite, contains one hairline fracture with chalcopyrite and molybdenite	33	36	100			
34								
35								
tr. py.								
36								
propylitic alt. tr. py.			36	39	100			
37								
		Box 7 37.45-42.85						
38		BQMP						
		Same general description as before						
39		39.85-42.85 Broken ground.						
tr. py.			39	42	100			
40								
propylitic alt. tr. py.								
41								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 6

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
42								
			42	45	100			
tr. malachite		Box 8 42.85-48.52						
43		BQMP & Lcr. Gr.						
tr. mal. & azurite		Same general description as before.						
44		Some MnO_2 on fractures & cracks off fractures pervasive iron staining.						
45		Small Lcr. Gr. dikes; 44.8, 45.15, 47.75 & 48.5						
			45	48	100			
46								
47								
48								
			48	51	100			
		Box 9 48.52-54.22						
49		BQMP + Aplitic Dikes						
		Same general description as before. Aplitic dikes are fine-grained to aphanitic, felsic in composition and light red to whitish in colour.						
propylitic alt. with py. 50								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 7

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
51			51	54	94			
52								
53								
54			54	57	100			
		Box 10 54.22-59.84						
tr. py.								
tr. py. tr cpy. 55		BOMP + APLITIC DIKES						
tr. py. + gl.		Same general description as before.						
tr. py. + sph. 56								
tr. py.								
57			57	60	100			
58								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 8

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
59								
60		Box 11 -59.84-65.47	60	63	100			
		BQMP + APLITIC DIKES						
61		Same general description as before.						
		Aplite dikes are crosscut by quartz veins.						
62								
63			63	66	100			
64								
65								
tr. malachite		Box 12 65.47-70.92						
		BQMP + APLITIC DIKES + Feldspar Porphyry Dikes						
tr. cpy. 66 tr. mal.		Same general description as before. Copper sulfides and Cu oxides together may indicate oxides are "in situ"	66	69	100			
67		Feldspar Porphyry dikes: grey white aphanitic to crystalline matrix with orange white & black pheno-						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 9

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		crysts.						
68		Matrix 70%						
		Feldspars 20% - iron stained preferentially						
		Biotite 10%						
		@ 66.7; 67.6-67.9						
69								
			69	72	100			
70								
71		Box 13 70.92-76.24						
		BQMP						
Broken core								
tr. mal. 72		Same general description as before.						
		Parts of the core are severly broken and/or sheared.	72	75	100			
		Sericite &/or muscovite as well as biotite can be found.						
73		Potassic alteration , pink feldspars surrond quartz						
		and is intermixed with propylitic alteration.						
tr. mal								
74								
75								
Potassic alt.			75	78	100			
76								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 10

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 14 76.24-81.52						
		BQMP + Pegmatite Dike						
77								
		BQMP - light grey, fine-grained, crystalline matrix with 15-20% biotite xls, occasional 3 cm x 3 cm K-spar xls and medium-grained quartz xls as phenocrysts. Some						
78		of the K-spar xls contain flecks of biotite.						
Quartz xl's more granular and more distinct		Q.V. cross cutting the BQMP have a propylitic envelope of chlorite and usually disseminated pyrite, average	78	81	100			
		10-20 mm width.						
79		76.70-78.50 } Pegmatite dike						
tr. py.		79.90-80.45 }						
		Contacts are gradational with an increase in size and % of K-spar xls.						
tr. py. 80		60-70% K-spar xls						
		10-15% Quartz xls						
		5-10% Biotite xls						
		Pegmatites are cross cut by Q.V. and by fine- to	81	84	100			
81		medium-grained Leucocratic Granite Dikes.						
82		Q.V. cross cut K-spar megacrysts.						
		Box 15 81.52-87.29						
		BQMP + Lcr. Gr. Dikes						
83								
		Same general description as before with occasional						
tr. cpy., py., MoS_2		granular quartz.						
		Mineralization includes disseminated pyrite small	84	87	100			
84		blebs of massive pyrite, spotty malachite and trace molybdenite. The leucocratic dikes are fine-medium-						
		grained pinkish with minor amounts of biotite.						
85								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 11

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
tr. MoS_2 + massive py								
tr. mal.								
86								
tr massive py								
87			87	90	100			
		Box 16 87.29-93.13						
bleaching minor chlorite + py. 88		BQMP						
		Same general description as before. Large numbers of quartz veins and associated propylitic alteration envelopes.						
89								
Almost all 20° quartz veins have associated green propylitic 90 envelopes throughout the hole.		Quartz crystals in the monzonite appear granular or of a composite makeup and slightly larger.	90	93	97			
91								
92								
93			93	96	100			
MoS_2								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 12

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS
tr. flourite 94	\	Box 17 93.13-98.42						
		BQMP						
tr. py.	//							
		Same general description as before with Q.V. +						
tr. py. 95	\	propylitic alteration						
96			96	99	100			
97	//							
tr. flourite + py.								
98								
tr. py	\	Box 18 98.42-104.26						
99		BQMP						
tr. py.	\		99	102	100			
		Same general description as above.						
tr. cpy + py 100	—							
	//							
101								
	\							
	//							
102								
	\		102	105	100			

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 13

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS
103								
		Box 19 104.26-110.14						
104		BQMP						
		Same general description as above with one aplitic dike with tr. ~~MoS_2~~	105	108	100			
105								
106								
107								
tr. → ½% py.								
108								
			108	111	100			
cpy. Mo.								
109								
110								
		Box 20 110.14-115.43						
111		BQMP Same general description as before.						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 14

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Small leucocratic granite dike 113.20-113.34						
			111	114	100			
112								
113								
tr. cpy.								
tr. Mo.								
114								
			114	117	100			
tr. mal.								
115								
		Box 21 115.43-121.45						
116		BQMP						
		Same general description as before. K-spar megacrysts						
tr. mal.		with biotite inclusions still visible.						
tr. az.			117	120	100			
117								
tr. cpy + Mo.								
tr. mal.								
118								
119								
120								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 15

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
			120	123	100			
121								
		Box 22 121.45-126.71						
122		BQMP						
		Same general description as before.						
123		Unidentified silvery mineral 123.6.	123	126	100			
tr. cpy. + massive py. tr. Mo.								
124								
125								
		Box 23 126.71-132.44						
126		BQMP + lcr. Fr. Dike	126	129	100			
		Same general description as before.						
127		129.26-129.70 Broken and lost core.						
128								
tr. massive py. tr. diss. py. + Mo.								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 16

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
129								
			129	132	100			
130								
131								
tr. calcite								
132								
			132	135	100			
		Box 24 132.44-138.20						
133		BQMP+Lcr. Gr + Granite Porphyry Dike						
		Same general description as before.						
134								
135								
			135	138	84			
136								
137								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 17

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
138								
			138	141	100			
		Box 25 138.2-143.81						
propylitic alt.		BQMP + APLITIC DIKE						
139								
		Same general descriptions as before.						
		One bleached zone occurs, with the feldspars possibly altered to kaolinite.						
bleached zone								
140		Plenty of Q.V. with propylitic alteration.						
tr. fluorite								
141								
			141	144	100			
propylitic alt.								
142								
tr. py.								
143								
		Box 26 143.81-149.35						
		BQMP + APLITIC DIKE						
144								
tr. fluorite + py.		Same general description as before with Q.V. & prop ylitic envelopes.	144	147	100			
145								
Potassic alt. along quartz veins and fractures in Aplite								
146								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 18

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
147								
			147	150	100			
148								
149								
		Box 27 149.35-155.03 BQMP + APLITE DIKES						
150		Same description as before with K-spar megacrysts more abundant (2-3% of BQMP). Aplite has thin Q monzonite inclusions, and may be partially silicified, but very fine-grained so it is hard to distinguish. Q.V. cut both aplite and Q.M.	150	153	100			
151								
152		Broken rubble at beginning of box is probably cave material from farther up hole.						
153			153	156	100			
154								
155								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 19

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 28 155.03-160.72						
		BQMP	156	159	100			
155								
tr. py.								
		Same general description with a slight increase in						
156		K-spar megacrysts. Usual Q.V. with propylitic						
tr. py.		envelope and 1 aplitic dike. Some iron staining.						
157								
158								
159			159	162	100			
160								
		Box 29 160.77-166.10						
161		BQMP						
tr. py.		Same general description as before with Quartz veins						
		and propylitic envelope.	162	165	100			
tr. py. 162								
tr. py.								
163								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 20

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
164								
165			165	168	100			
166		Box 30 166.10-171.72 BQMP + APLITE DIKES						
167		Same general description as before except the aplite is fine-grained, white, bordering on a Leucocratic Granitic phase						
168			168	171	100			
169								
170								
171			171	173.74	100			
		Box 31 171.72-173.74 BQMP						
172		Same general description as before but the chlorite in propylitic alteration is coarser grained.						

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-1-81 | PAGE NO. 21

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
173								
173.74		END OF HOLE						

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO.	PAGE NO.
T-2-81	1

PROPERTY: MOLLY TOM
LOCATION: Mt. Thomlinson
Map Co-ordinates N61.60800 E59200
AZIM: 300° ELEV: 1850 m
DIP: -44 1/2° LENGTH: 769.32 m
CORE SIZE: NQ
STARTED: July 19, 1981
COMPLETED: August 14, 1981
PURPOSE: To test down dip extension of mineralized zone encountered in BL-1-64
CORE RECOVERY:

DIP TEST

FOOTAGE	AZIMUTH	DIP	FOOTAGE	AZIMUTH	DIP
45.7m	305°	-44 1/2°	350.5m	306°	-47°
85.3m	306°	-44 1/2°	461.5m	304°	-48°
146.3m	305°	-45°	579.1m	306°	-48°
198.1m	304 1/2°	-45 3/4°	729.7m	307°	-49°
283.5m	305°	-46°			

CLAIM NO: MOLLY TOM 1
SECTION: AA'(BL-1-64) T-1-80,T-1-81,T-2-81
LOGGED BY: P. DeLancey & G. Cooper
DATE LOGGED: July 22 to Aug 16, 1981
DRILLING CO: Longyear Canada Ltd.
ASSAYED BY: Bondar-Clegg

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
0		Casing 0-2.0						
1								
2		BOX 1 2.00-7.79	2	3	100			
Propylitic alt.	\	Biotite-Quartz Monzonite Porphyry						
3		Light grey fine crystalline matrix with 15% euhedral black biotite phenocrysts and 10% euhedral opaque to translucent quartz phenocrysts. Biotite xls up to	3	6	100		10188	
4		10 mm (but usually averaging 3 mm) are evenly distributed imparting a "speckled" appearance. K-spar megacrysts ranging from 1-3 cm across occur throughout (2-3%).						
5		Iron staining is pervasive due to the fractured nature of the rock. MnO_2 is common on the fracture surfaces.						
bleaching due to surface weathering		Quartz veins crosscutting the monzonite usually have an associated green porpylitic alteration envelope						
6		developed on both sides of the quartz vein. Some						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 2

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
through fractures		bleaching from surface erosion	6	9	100			
trace azurite 7								
trace malachite 8								
		Box 2 7.79-13.41						
		Biotite Quartz Monzonite Porphyry						
9		Same general description as above. More quartz						
		veining and more porpylitic alt. ie. the chloritization	9	12	100			
		of biotite creating a green border zone along the						
10		quartz vein usually containing disseminated pyrite.						
		K-spar megacrysts up to 5 cm in width are seen. Often						
tr. az.		with biotite inclusions. At 13.00 m a K-spar crystal						
		is cut by a quartz vein which alters the biotites in						
tr. az. 11		1/2 of the crystal to chlorites and whitens the						
		feldspar.						
		Quartz veins vary from fractures to 1 cm in width.						
		Propylitic envelopes average 1 cm.						
12			12	15	100			
tr. pyrite 13								
		Box 3 13.41-19.41						
		BQMP + Leucocratic Granite Dike						
14		Quartz phenocrysts are more pronounced averaging 5 mm						
		and slightly high %. Large quartz vein (larger than						
		core) at 13.41-13.64.						
15								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 3

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		15.5-20.15: Leucocratic Granite; pinkish grey fine- to medium-grained. 40% quartz, 50% feldspar, of which most of the feldspar is alkali (from the pink colour). 10% is biotite and quartz (3-5 mm) phenocrysts. It is cross-cut by quartz veins but has only very faint propylitic zones associated with the veining due to the lack of biotite. 3 zones of medium-grained Lcr. Gr. within the dike.	15	18	100			
16								
17								
tr. az. + mal.								
18			18	21	100			
19								
		Box 4 19.41-25.34 BQMP + Leucocratic Granite						
20		Lcr. Gr. same description as above. BQMP same general description as before. Greyish not whitish with Q.V. + propylitic alt. plus iron staining near fractures.						
21								
calcite in quartz			21	24	93			
tr. mal. 22								
23								
tr. mal.								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 4

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
24			24	27	100			
25		Box 5 25.34-31.15 BQMP						
26		Same general description as before but few K-spar megacrystals. Two small dikes, one Lcr. Gr. similar to previous dikes, and one aplitic dike cut the monzonite.						
27		Aplitic dike is fine-grained to aphanitic appears quartz rich and contains occasional biotite phenocrysts 1 mm in size.	27	30	100			
		Also one zone 30 cm long of stockwork quartz veining at 29.70-30.00 with Q.V. 50°-70° to C.A.						
28								
29								
30								
tr. az.			30	33	100			
31								
		Box 6 31.15-36.58 BQMP						
32								
tr. az.		Same general description as before with iron staining near, and MnO_2 on fractures. Very little propylitic						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 5

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		alteration with smaller quartz veins or quartz						
tr. qz. 33		fractures.						
tr. py			33	36	100			
34								
35								
36								
			36	39	100			
		Box 7 36.58-42.30						
		BQMP+Aplitic + Feldspar Porphyry Dikes						
37								
		BQMP - same general description as before with						
		pervasive iron staining.						
		Aplite is fine-grained orange brown with miniscule						
38		specks of biotite and in turn is cut by quartz veins.						
		Feldspar Porphyry Dikes - appear glassy.						
tr. qz.								
39								
		90% aphanitic matrix (felsite) 10% feldspar and	39	42	100			
		biotite phenocrysts. Small quartz fractures can be						
		traced through this unit as well.						
40								
41								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 6

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
42								
			42	45	97			
		Box 8 42.30-48.07						
		BQMP						
43		Same general description as before. Few quartz veins, some hairline fractures. Iron staining and maganese oxides on and near fractures.						
		One small 2 cm wide Feldspar Porphyry dike shown in graphic log. Same as previous ones, probably dacite in composition.						
44								
45								
			45	48	100			
46								
tr. py.								
47								
48								
			48	51	93			
		Box 9 48.07-53.95						
		BQMP						
49		Same general description as before with quartz veins and propylitic alteration and one small feldspar porphyry dike.						
50								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 7

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
51			51	54	100			
52								
53								
NOTE: T-2-81 Majority of 20° Qtz veins have associated 54 Propylitic alt. envelopes		Box 10 53.95-59.34 BQMP						
		Same general description as before. Some of the quartz veins have feldspar xls associated with them. A few small aplitic and dacitic dikes cut the monzonite	54	57	100			
55								
tr mal 56								
57			57	60	100			
58								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 8

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
59								
		Box 11 59.34-65.23						
		BQMP + Lcr. Gr.						
60								
		Same general descriptions as before. K-spar xl	60	63	100			
		6 cm x 5 cm in monzonite quartz veins have feldspar						
		xls in them. Lcr. Gr dike at the end of the box is						
61		only 1/2 of core, ie. strikes parallel to dip.						
62								
63								
			63	66	100			
64								
65								
		Box 12 65.27 -						
		Leucocratic Granite + BQMP						
tr. mal. 66								
		Lcr. Gr. pinkish white with green and orange zones of	66	69	100			
		propylitic alt. and iron staining. Medium-grained						
tr. az.		with feldspar, biotite and occasional quartz						
67		phenocrysts (4-5mm). BQMP same as usual.						

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 9

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
68								
tr py. taz. 69			69	72	96			
70								
tr. py. + Mo.								
71								
		Box 13 70.97-76.74						
tr. Mo.		BQMP, APLITIC + Lcr. Gr. Dikes						
72		Same general descriptions as before. Aplitic dike	72	75	89			
		is very fine-grained to aphanitic grey white with some						
73		rusted zones, is cut by Q.V. and has very few biotite						
tr. az. + mal.		xls.						
74								
75			75	78	100			
76								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 10

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
77		Box 14 76.74-82.70 BQMP + Lcr. Gr						
		Same general descriptions as before. More K-spar						
78		megacrystals. Propylitic alt. associated with						
		qtz veins.	78	81	95			
79								
80								
tr. py.								
81								
			81	84	100			
82								
		Box 15 82.70-87.68						
83		Lcr. Gr.+BQMP + Aplites						
		Pinkish grey leucocratic granite with phenocrysts of						
tr. py.		biotite, quartz and plagioclase feldspar predominates.						
84		BQMP is present at both ends of the box. Q.V. and						
tr. py.		propylitic alt. Aphanitic aplite dikes (a few < 2 mm)	84	87	100			
		and one feldspar porphyry dike near the end.						
85								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 11

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
86								
87			87	90	92			
		Box 16 87.68-93.73						
88		BQMP + Lcr. Gr + Aplite						
		Very intensively veined section. Grey quartz monzonite cut by pinkish grey Lcr. Gr., by pink to grey aplites and by white quartz veins up to 3 cm in width. Fine-grained aplite dike can be seen at 92.5 leading off a Lcr. Gr. dike with fine-grained cooled margins. Scattered patches of argillic alteration (ie Kaolinite altered from						
89								
90								
tr. mal.		feldspars) occur from 92.0 on.	90	93	100			
91								
Propylitic alt.								
tr. mal.+py. 92								
tr. az. 93								
			93	96	97			

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 12

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
tr. az. 94		Box 17 93.73-99.45						
Argillic alt.		BQMP + Lcr. Gr.						
		The first .5 m is heavily quartz veined BQMP grey						
95		white in places and iron stained in others with						
		several quartz veins and spotty azurite. The						
		leucocratic granite occurs as a large dike cutting						
		at 30° and as a narrow one running parallel to the						
96		core axis. The lower section of BQMP below 98.2						
tr. py.		is characterized by large quartz phenocrysts with	96	99	100			
		a granular or composite texture. In several places						
		argillic alteration of feldspars to kaolinite is						
97		noted. Usually associated with a propylitic						
Argillic alt.		alteration envelope of a quartz vein.						
tr. py. + Mo.								
tr. py. 98								
Argillic alt.								
tr. cpy. 99								
			99	102	100			
		Box 18 99.45-104.62						
		BQMP + Lcr. Gr.						
100								
		Very orange iron stained BQMP at start of box. Some						
		broken core at 100.28, a section of normal BQMP and						
		a large Lcr. Gr. dike with azurite and a silvery						
101		metallic mineral.						
		Last metre of box is BQMP with a lot of quartz veins						
		at 20° to C.A. Some of the biotite xls appear						
		oriented parallel to veining. Almost appears sheared.						
102								
tr. az.			102	105	100			
tr. cassiterite ?								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 13

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
103								
104		Box 19 104.62-110.34 BQMP + Lcr. Gr.						
105		The BQMP is extensively altered in places.	105	108	96			
Argillic alt.		Silicification and argillic alteration and some minor iron staining.						
106		Where argillic alt is more pronounced than						
silicification		silicification white kaolinite replaced feldspar xls and contrasts with medium-grained euhedral biotite. Where silicification is stronger the						
107		feldspar are not distinctive.						
silicification		BQMP varies from matrix 60% to matrix 30% giving two different appearances. In the latter case quartz xls are more distinctive.						
108		In the lower Lcr. Gr. dike a fine-grained phenocryst free development is seen with pyrolusite fringes and some small needles of biotite. Otherwise same descriptions as before.	108	111	100			
109								
110								
		Box 20 110.34 - BQMP + APLITE						
111		Aplite is very fine-grained to aphanitic cut by	111	114	90			

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 14

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		quartz veins. Note: NO propylitic alteration. Sometimes quartz veins have a slightly lighter pink envelope than the surrounding pink-grey dike. BQMP typical grey white with K-spar megacrysts. Biotite xls are sub-angular to needle-like with some preferred orientation paralleling veining approx. 20-30°. Except for last .25 m of box where some argillic alt. has occurred, the biotite are larger and less orientated.						
			114	117	100			
Argillic alt.		Box 21 116.54-122.48 Leucocratic Granite						
		Pinkish grey crystalline matrix with biotite and feldspar phenocrysts. Pervasive argillic alteration has changed plagioclase to kaolinite throughout the section.	117	120	100			
Argillic alt.		10 cm of QM at the beginning and one aplitic section near the end of the box. Small quartz veins up to 1 cm wide cut through the core at 20-30°.						

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 15

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
Argillic alt			120	123	100			
121								
122								
py. + tr. Mo.								
weaker		Box 22 122.48-127.93						
Argillic alt		Leucocratic Granite						
123								
		Same general description as above but less argillic alteration. Fractured core, throughout the box broken rubble 125.5-126.0. Minor quartz veining	123	126	100			
124								
125								
126								
			126	129	100			
127								
128								
		Box 23 127.93-133.40 BQMP + Lcr. Gr.						

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 16

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
129		Continuation of leucocratic Granite for the first metre or so, then standard BQMP with some argillic alt. fairly localized, not pervasive as in Lcr. Gr.	129	132	100			
130		Quartz veins and propylitic envelopes cut K-spar mega-crystals. Propylitic alt. affects biotite in megacrysts but no changes in xl form.						
131 Argillic alt.								
132 Argillic alt.			132	135	100			
133		Box 24 133.40-139.25 BQMP & Lcr. Gr.						
134 tr. Mo.		Same general description as above. Argillic alteration occurs outside porpylitic envelope in BQMP, occurs scattered throughout Lcr. Gr and in inclusions of BQMP in Lcr. Gr. Dike.						
Argillic } alt. 135 Propylitic Argillic			135	138	100			
136 Argillic alt.								
tr. az. 137								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 17

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
138								
			138	141	100			
139								
		Box 25 139.25-145.07						
		BQMP & Lcr. Gr.						
140		Same general descriptions as above. Local areas of						
		argillic alt. in monzonite. Pervasive argillic alt.						
		in Lcr. Gr. but as most of feldspar in Lcr. Gr. is						
		alkali, kaolinite is low in %.						
141		Last .5 m of box large BQMP inclusions in dike up to						
		10 cm long x 2 cm wide.	141	144	100			
142								
Argillic alt.								
143								
144								
tr. cpy.			144	147	100			
BQMP Inclusions 145		Box 26 145.07-150.89						
		BQMP & Lcr. Gr.						
146		The BQMP inclusions in Lcr. Gr. continues to 145.75.						
		Same description as above for the Lcr. Gr. The BQMP section below						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 18

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		has larger medium grained quartz phenocrysts						
		148-148.5. From 149 down there are local sections of						
147		argillic alteration.						
		Minor iron staining near 150.	147	150	92			
148								
149								
150								
			150	153	100			
151								
		Box 27 150.89-156.72						
		BQMP & Lcr. Gr.						
152		Same general descriptions as before. Quartz veins						
		cut both units. Propylitic alteration envelopes in						
		BQMP but not in Lcr. Gr.						
		153.15 chloritization in K-spar almost zoned.						
153								
			153	156	100			
tr. cpy. & py.								
154								
155								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 19

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
156								
			156	159	100			
tr. cpy. & Mo.		Box 28 156.72-162.36						
157		Lcr. Gr. & BQMP & Aplites & Feldspar Porphyry						
Sporadic								
Argillic alt.		Good example of complexities of diking. Distinctions						
		between Leucocratic Granite (typically a medium						
158		grained homogeneous rock), Aplite (typically						
		aphanitic without phenocrysts) and Feldspar Porphyry						
		(fine grained matrix with some phenocrysts) are						
		difficult. Contacts are gradual at 159.4, while						
159		sharp contacts can be seen at 157.7.						
		In places F.P. appears bounded by aplitic dikes which	159	162	100			
		are probably just chilled margins. But some appear						
		quite distinct as if edge of dike is a plane of						
160		weakness.						
Sporadic 161								
Argillic alt.								
162								
			162	165	100			
		Box 29 162.36-168.02						
		Feldspar Porphyry & BQMP						
163								
Sporadic		Same general description as above.						
Argillic alt.		Quartz veins at 162.75 cross cut at 70° - 80° as well						
		as 20 - 30° angles.						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 20

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES: FROM	METRES: TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
164		Most of the box is Feldspar Porphyry. Very siliceous matrix but sometimes a larger amount of alkali feldspars cause confusion with Lcr. Gr. Some of the plag. feldspars xls are argillicly altered.						
165			165	168	97			
166								
167								
168			168	171	100			
		Box 30 168.02-173.64 Feldspar Porphyry & Aplite Dikes						
169		Mostly fine grained to aphanitic white-grey aplite. Occasionally aplite is split by F.P. distinguished by biotite, feldspar and kaolinite phenocrysts.						
170		Quartz veins range in size from fractures to 1 cm in width. Usually no contact alteration. Similar to the previous two boxes but more aplitic rock.						
tr. py.								
171			171	174	100			
172								
tr. Mo. + py.								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 21

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
173								
		Box 31 173.64-179.58						
174		Lcr. Gr. & Aplite Dikes						
			174	177	78			
		Similar to the last box. Mostly aplite with some						
		Lcr. Gr. material and one zone of altered BQMP in						
175		between quartz viens at 178.25.						
		Aplite has no pink colour at all but has a greenish						
		tinge in places.						
		176.5-177.7 broken and missing core.						
176								
177								
			177	180	100			
178								
bleached zone								
tr. az. + mal.								
179		Box 32 179.58-185.68						
		Lcr. & Aplite & Feldspar Porphyry						
		Aplitic dikes are interspersed throughout the box,						
180		sometimes sharp contacts, sometimes interfingered with						
		a siliceous porphyry dike unit. This unit is						
		similar to the Leucocratic Granite in size and						
		amount of phenocrysts and has roughly the same						
181		texture except the matrix is fine grained to aphanitic,						
		being grey white if fine gr. and "clear black" if						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 22

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		aphanitic and even more siliceous. The darker more glassy colour may be a result of quicker cooling.						
182		Short sections of BQMP up to 25 cm long showing intense argillic alt. and propylitic alt. are interspersed throughout.	183	186	95			
		Argillic alt. also occurs in the porphyry dikes.						
183								
Local intense Argillic & Propylitic alt. 184								
185								
		Box 33 185.68-191.74						
186		BQMP & Feldspar Porphyry Dike						
			186	189	89			
		The BQMP is heavily altered, feldspar → kaolinite. K-spar megacryst still visible and quartz phenocrysts						
187		are up to 5 mm across. Some propylitic alteration						
strong Argillic alt		near quartz veins, but aplite dikes do not cause propylitic alt. in monzonite.						
		Feldspar Porphyry possibly of dacite composition.						
188		Fine grained matrix 50 → 80%. Feldspar Biotite and sometimes quartz phenocrysts 20 → 50%. More siliceous						
		the matrix, fewer phenocrysts glassier look. Also sometimes aplititic chilled margins of Feldspar						
189		Porphyry.						
		Feldspar Porphyry cross cuts some quartz veining and propylitic alteration but is also in turn cut by	189	192	100			
		quartz veins.						
190								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 23

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
191								
192		Box 34 191.74-197.66						
		Leucocratic Granite & Aplite	192	195	100			
		Grey white fine grained crystalline, cross-cut by						
193		quartz stringers, no alteration envelopes except in						
		the BQMP sections.						
		First fine grained section is aplite. The second						
		and longer one grades from fine grained to medium						
194		without definite contacts. Some argillic alt. of						
		plag phenocrysts in the coarser sections.						
		One 30 cm section of small qtz. stringers.						
195								
			195	198	94			
196								
197								
strong Argillic alt. 198		Box 35 197.66-203.39						
		BQMP						
			198	201	100			
		Intense argillic alteration leaves a powdery texture						
		instead of clean feldspar crystals. There is a						

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DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 24

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
strong pervasive Argillic alt. with local strong Propylitic alt. envelopes		slight greenish tinge to the kaolinite probably a result of the quartz veining and accompanying chloritization of the biotite phenocrysts. Small Lcr. Gr. dikes intrude and are themselves intruded by quartz veins and Feldspar Porphyry dikelets or veins.						
199								
200								
201			201	204	100			
202								
203								
		Box 36 203.39-208.91 BQMP						
204		Intensely argillicly altered BQMP with zones of heavy propylitic alt. envelopes around quartz veins. K-spar megacrysts still relatively abundant.	204	207	100			
205								
206								
207			207	210	100			

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DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 25

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
Argillic alt.								
208								
to cpy.								
		Box 37 208.91-214.72						
209		BQMP						
		Argillic alteration and foliation of biotite						
		characterize the border phase. Significant quartz						
210		veins and propylitic alteration occur as well.						
		K-spar megacrysts are still occurring.	210	213	93			
211								
212								
213								
			213	216	100			
214								
		Box 38 214.72-221.39						
215		BQMP & Feldspar Porphyry						
		As above with one dike almost aplitic but with 3 zones						
		of feldspar phenocrysts.						
216								
↓			216	219	67			

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DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 26

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
Argillic alt.								
217								
218								
219								
			219	222	100			
220								
221								
tr. galena		Box 39 221.39-226.74						
222		BQMP & Feldspar Porphyry						
			222	225	100			
		A Feldspar porphyry dike parallel to core axis cuts						
		BQMP and minor Leucocratic Granite dikes and is in						
223		turn cut by quartz veins with galena mineralization.						
		The F.P. is also argillically altered with white						
		kaolinite standing out against the fine grained						
		matrix.						
224		The inclusions of BQMP in the dike are the same as						
		the rest of the box. The biotite is foliated,						
		quartz phenocrysts are less pronounced, feldspars are						
↓ 225		altered to kaolinite and mineralization is restricted						
		to pyrite in propylitic envelopes.						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 27

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
tr. Mo. + cpy.		Quartz veins range from fractures to 2 cm wide veins	225	228	100			
		tend to enhance foliation.						
226								
		Box 226.74-231.98						
227		BQMP						
		Same description as usual with some argillic						
		alteration but little foliation of biotite.						
228		Quartz crystals are locally distinctive up to						
tr. Mo.		5 mm in size.	228	231	100			
tr. Mo., cpy, sph, py		Quartz veins carry some mineralization.						
229								
Argillic alt.								
230								
231								
			231	234	78			
232								
		Box 41 231.98-237.51						
		BQMP						
233		Intense argillic alteration of feldspars in first						
		half of box gives a powdery texture. Slight						
		greenish tinge to white kaolinite. Little foliation						
		until below Leucocratic Granite, where the foliation						

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HOLE NO. T-2-81 | PAGE NO. 28

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
234		at 20 - 30° to core axis is more pronounced. K-spar						
		megacrysts are still visible but have less distinct	234	237	100			
		edges.						
235								
tr. Mo., cpy, py								
236								
237								
			237	240	100			
		Box 42 237.51-242.60						
238		BQMP						
weak Argillic alt.		Foliated, slightly argillically altered generally						
		the same as above. Local sections of prominent						
239		quartz xl's towards the end of the box.						
		Quartz veins occur in 2 manners - one as a massive						
		single vein or as a composite 2 cm wide vein of						
		individual veins 2 mm wide.						
240								
			240	243	100			
241								
242								

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DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 29

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 43 242.60-247.50						
243		BQMP	243	246	100			
Potassic flooding 244		Same general description except first 3 metres have a pervasive pink colour, other than the areas where the leucocratic granite intersects the unit. Actual dikes have larger quartz crystals than the BQMP. Foliation is stronger in the last 1 metre of the box.						
245								
246			246	249	100			
247								
248		Box 44 247.50-253.29 BQMP & Leucocratic Granite						
Argillic alt. 249		BQMP same general description as before. Slight foliation and some argillic alt. Lcr. Gr. is whitish, homogeneous, medium grained, gradually getting finer grained. Some short zones of fine grained with feldspar and biotite phenocrysts, possibly contamination from country rock.	249	252	100			
250 tr. py., cpy., gn.								
251								

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DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 30

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
252								
			252	255	100			
253								
Potassic flooding		Box 45 253.29-258.72 BQMP						
254								
Argillic alt.		Same general description as before, argillic alt. and minor foliation.						
		Potassic flooding from Leucocratic Gr. dike at start						
255		of the box .35 m from dike into BQMP.						
		Other aplitic dikes with probable origin from Lcr.	255	258	100			
		Gr. magma cross cut BQMP. These aplites have coarser grained seams running through them and there are no						
256		clear cut cases of Lcr. Cr. dikes cutting into						
		stage aplite dikes.						
257								
258								
			258	261	100			
Strong Argillic alt. 259		Box 46 258.72-264.29 BQMP & Lcr. Gr. & Aplite & F.P.						
		Very complex section.						
		BQMP intensely argillicly altered and slightly						
260		foliated in localized areas. Propylitic alteration						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 31

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
Strong Argillic alt.		envelopes gtz. veins. Potassic flooding into BQMP from K-spar rich Leucocratic Granites is seen. A problem occurs with relative age because the fine grained porphyritic FP cuts of an aplite and vice versa. Also a FP appears to lead off of an aplite. Perhaps there should be no distinction. All felsic dikes are of one generic origin and the medium grained Lcr. Gr. and the siliceous FP are the 2 end members.	261	264	100			
		Box 47 264.29-270.04 BQMP & Porphyritic Granite	264	267	100			
		First 2 metres are heavily argillically altered. BQMP with slightly more biotite than usual. Around 267.5 are some inclusions of shale in Potassic flooded BQMP. 266.4 → Porphyritic Granite is a very pink porphyritic unit with feldspar biotite and quartz phenocrysts much like the BQMP, even a couple of smaller K-spar megacrysts are seen. Quartz veins with propylitic envelopes are found. However, there is much more K-spar in the matrix, enough to bring its composition to granite.	267	270	100			

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 32

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
269								
270		Box 48 270.04-275.68	270	273	100			
		Porphyritic Granite						
tr. cpy.								
271		Same description as above. Cut by fine grained Leucocratic Granite which is cut by quartz veins. Below this a definite zone of K-flooding which is post propylitic alt.						
272		Quartz veins and associated propylitic alt. Envelopes are surrounded and the chlorite is disseminated with K-spar amongst it. K-spar also is partially grown into quartz veins.						
273			273	276	100			
274								
Potassic alt. 275								
		Box 49 275.68-281.03						
276		Porphyritic Granite	276	279	100			
Potassic flooding		Same general description as before. One short section of BQMP near 279 and some Potassic flooding at the start of the box and a .3 m section of very fine biotite (approx. 50%) with argillic alt. as well.						
277								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Porphyritic Granite has some argillic alt. throughout.						
278								
279								
			279	282	100			
Argillic alt.								
280								
281								
		Box 50 281.03-286.53						
		Porphyry Granite & Lcr. Gr. & BQMP						
282		A complex section that has some of everything.						
		PG from the previous box then argillic BQMP with some	282	285	100			
		Potassic flooding, a section of fine grained Lcr. Gr.,						
cpy.		more potassic alteration and finally 20 cm of						
283		dark grey slightly foliated BQMP.						
Potassic								
flooding 284								
285								
cpy.			285	288	100			
286								
Shale inclusion py.								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 51 286.53-291.70						
287		BQMP & Lcr. Gr. & PG						
		Another complex section. Dark grey foliated BQMP cut						
		off by Porphyry Granite as described before. A zone						
288		of quartz stringers 11'l to core axis.						
		Small inclusion of dark grey BQMP and shales.	288	291	100			
		Severely fractured and broken core from 288.40 to						
		290.4 makes graphic log difficult to place.						
broken 289		Propylitic alt. occurs only in BQMP.						
ground								
shale inclusions								
290								
291								
			291	294	100			
		Box 52 291.70-296.60						
tr. py/cpy. 292		BQMP						
int. contact parallel								
fol. 30° to C.A.		Modfoliated big. rich BQMP, K-spar megacrysts are						
leuco. qtz. monz. cuts fol. BQMP		common but "appear" more prominant in the more						
293		massive (less foliated) sections. Feldspars are						
		generally fresh; however, within some sections						
local leuco QMP		the plag has partially altered to white clay mineral						
		(kaolinite?) - indicative of partial argillic alt.						
294		Propylitic alt. is common as envelopes adjac.						
local Leuco with aplite		qtz. veins; and a weak green tinge is noted in most	294	297	100			
		of the foliated sections - indicating a pervasive						
		weak propylitic alt. Qtz. veining is moderate. Minor						
295		Py & Cpy noted throughout. Locally the BQMP is cut by						

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Leuco. gr. Fol. 0 - 30° to C/A.						
296								
296.5 local aplite veinlet & narrow dyke of Felds. P. to cpy.		Box 53 296.60-301.57 Lcr. Gr. & BQMP						
296.6 BQMP 297								
		Mostly Leu. Gr. with inclusions of foliated BQMP; contacts are generally parallel to the foliation (0 - 20° to C/A). Leuco. Gr. is generally first and massive with partial kaolinitization at the felds. phenocrysts. The pinkish tinge of the leuco. gr. appears to be due to either the staining of feldspars and/or the relative abundance of K-spar. The leuco. gr. is cut by qtz. veinlets (generally at 30° to C/A) which frequently carry amounts of Py & Cpy.	297	300	100			
298								
298.7-299.4 BQMP inclusion.								
299								
300								
			300	303	100			
py.		At 300.8 intrusive contact with BQMP, weakly foliated with K-spar megacrysts.						
301								
		Box 54 301.57-307.35 BQMP						
py. 302								
py.		Moderately to weakly foliated BQMP - relatively fresh except for prop. alt. adjacent qtz. veins. These qtz. veins generally contain Py & lesser Cpy. Pink leuco. gr. dikes cut to BQMP throughout.						
303								
cpy., py.			303	306	95			
py.								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
304								
py.								
cpy.								
minor lcr. gr.								
py. 305								
lcr. gr. at 10° c.a.								
306								
lcr. gr. at 20° c.a.			306	309	100			
minor 307								
lcr. gr.		Box 55 307.35-312.73						
cpy.		BQMP						
lcr. gr. parellel c.a. py.								
cpy. 308		Mod. to well foliated BQMP cut locally by pink						
		leuco. gr. Qtz. veining moderate. Amount of Cpy						
local lcr. gr.		appears to be increasing but overall content less						
		than .2% Cu.						
309								
			309	312	100			
coarsely 310								
xline lcr. gr. py.								
311								
lcr. gr. dyke cpy.								
312								
			312	315	100			

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
Lcr. gr.		Box 56 312.73-317.40				Cu			
313		BQMP & Lcr. Gr.							
	/	The BQMP frequently is more postassic rich adjacent							
		the pink leuco. gr. suggesting potassic alt. may be							
314		associated with the leuco. gr. intrusive event.							
		Leuco. gr. varies from a coarsely xline (peg.) texture							
		to aplitic. Minor Py & Cpy is scattered throughout -							
		both along qtz. veins and within fol. BQMP.							
Lcr. gr. 315			315	318	100				
Lcr. gr. 316 with inc. of BQMP									
317									
		Box 57 317.40-322.88							
Lcr. gr. cpy.	\	BQMP & Lcr. Gr.							
318									
		from 317.4-317.7 BQMP							
		317.7-318.8 BQMP cut by pink leuco gr.	318	321	100	.2	60001	0.07	0.003
		318.8-321.3 Leuco. gr. - variable texture,							
319 cpy.		locally felds. partially alt. to							
		kaolinite - local zones appear to							
		be K-spar alt. "inclusions" of BQMP							
		with Bio replaced by chlorite &							
320		sulphides.							
py.		321.3-322.8 BQMP - first .5 m is highly alt.							
py.		with bio → chl. & plag. felds.							
.2m of chl-ser. cpy.		partially alt. to kaol. & sericite.							
alt with conc 321		Qtz. veining is mod. Cpy & Py occurs as conc. along							
of py. + tr. sph.		qtz. veins & as local diss.							

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu			
Py Cpy.									
322			321	324	100	.2	60002	0.19	0.010
Cpy									
Cpy									
323		Box 58 322.88-328.57							
		BQMP & Lcr. Gr.							
narrow mud seams		From 322.88-326.0 aprox. - Grey bio. rich BQMP, locally rel. small K-spar megacrysts, mod. foliation.							
Lcr. gr. 324 dyke									
		From 326.0-328.57 - Variably textured pink leuco. gr. with local incl. of BQMP.	324	327	100	.1	60003	0.10	0.010
325		Qtz. veining mod., Py & Cpy & local MoS_2 occur throughout. MoS_2 & Cpy are conc. along irregular fracture filling with BQMP inclusions and also along fractures in pink leuco gr. and/or K-spar							
Contact between BQMP + 326 pag. Lcr. gr.		Flooded BQMP.							
327									
Cpy. with Bo. + py.									
Inclusions of BQMP Cpy MoS_2									
328			327	330	100	.2	60004	0.12	0.010
		Box 59 328.57-333.97							
Cpy. py.		BQMP & Lcr. Gr.							
329		From 328.57-329.3 pinkish BQMP							
		329.3-329.6 leuco. gr.							
		329.6-331.6 aprox. coarse to med. pink BQMP							
330		331.6-333.1 mixture of dark grey BQMP, pink							

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		leuco. gr. and white BQMP.				Cu			
		333.0-333.97 pink leuco gr.							
py.									
331			330	333	100	.2	60005	0.13	0.005
332									
cpy.									
333									
cpy.									
			333	336	100	.3	60006	0.46	0.007
minor red hematite cpy.									
is locally noted 334									
cpy.		Box 60 333.97-339.55							
		BQMP							
tr. Mo.									
minor hem. 335 cpy.		BQMP is cut at 337.4-337.8 by leuc. gr. dike and							
often assoc. with cpy.		from 335.7-336.5 the BQMP is cut by or cuts (now							
cpy.		inclusion) a dark grey BQMP - this dark grey variety							
minor Ba., grey mineral poss. sph. or calcoc.		of BQMP appears to be an earlier, more mafic phase							
minor Leuc. gr. 336		of the BQMP. It frequently contains amounts of							
cpy.		Py & Cpy. The BQMP itself exhibits pervasive							
		kaolinite alt. of plag. and local K-spar "flooding".							
		Cpy is frequently conc. within the BQMP adj. to	336	339	100	.4	60007	0.19	0.017
Pervasive 337		relatively barren qtz. veins. Qtz. veining is mod.							
Argillic alt.		to intense.							
local Potassic									
flooding									
338									
cpy.									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
339						Cu			
cpy.			339	342	76	.2	60008	0.13	0.020
		Box 61 339.55-345.88							
340		BQMP							
Pervasive Argillic alt.		Locally well foliated with adj. qtz. veins 0^{o} - 20^{o} to C/A pervasive argillic alt., local prop. alt. adj. to some qtz. veins. Leuco. gr. dike at 339.9, 341.6 &							
341		342.2 m. Sheared and crushed ground from 342.4-343.2.							
342									
py. cpy.			342	345	98	.3	60009	0.10	0.003
343									
344									
py. cpy.									
345									
		Box 62 345.88-351.59	345	348	100	<.1	60010	0.08	0.020
346		BQMP							
		Dark grey BQMP; the grey-green colouration is probably due to the part alt. of feldspar to sericite							
347		& chlorite and the abundance of grey quartz in the ground mass. Fol. is mod to locally well developed $0 - 20^{o}$ C/A.							

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Relatively small K-spar megacrysts are noted throughout.				Cu			
348		Kaolinitization of the plag. phenocryst is pervasive.							
		The BQMP is cut locally by coarse to peg. dikes of							
Argillic alt. cpy		leuco. gr., Qtz. veining is weak. Py & Cpy is	348	351	100	<.1	60011	0.08	0.010
		noted throughout as minor diss. and local conc.							
minor cpy there 349		From 347.8-348.1 dike of grey felds. porph. (with							
		local K-spar megacrysts) cuts BQMP which in turn							
		is cut by a dike of peg. leuco. gr. All are cut by							
		a qtz. vein showing propy. alt. (except across dike).							
350									
351			351	354	100	<.1	60012	0.10	0.007
		Box 63 351.59-357.16							
352		BQMP							
		Dark grey BQMP as above, local leuco peg. dikes.							
		Qtz. veining weak to locally strong. Qtz. veins							
Argillic 353		generally contain Cpy & ore parallel to C/A.							
alt. moderate		Argilitization is mod. to locally intense. Some							
to locally intense		qtz. veins exhibit a banding parallel to foliation							
		suggesting repeated re-opening and precp. of SiO_2							
354		along a preferred direction. Fault gouge along							
		slips indicates post qtz. vein movement but dis-	354	357	100	.2	60013	0.16	0.010
		placement is probably rel. minor.							
355 cpy.									
cpy.									
356									
sil. bands replac? cpy.									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
357									
		Box 64 357.16-362.73							
		BQMP, Lcr. Gr., F.P.	357	360	100	.1	60014	0.11	0.017
358 py. cpy.		Grey to regular (white) BQMP is cut by sections of pinkish to whitish leuco gr. of varying textures (peg-to aplitic). The BQMP is also cut locally by irregular dikes? of grey felds porph, which are in turn cut by narrow pink aplitic dikelets. The grey felds. porph. frequently appears to grade into leuco gr. and hence is believed to be a phase of the leuco gr. - granite porph? Qtz. veining moderate. Local conc. of Py & Cpy.							
359									
360									
			360	363	100	.1	60015	0.09	0.025
361									
362									
363 cpy. tr. Mo.		Box 65 362.73-367.99 BQMP							
			363	366	100	.2,.1	60016	0.06	0.013
364 cpy. tr. Mo.		Regular BQMP cut by dikes (roughly parallel C/A) of peg. leuco. gr. and fine grained leuco. gr. The coarse peg. dikes also "appear" to cut the prominent bands of qtz. veins which are also parallel to C/A. These qtz. veins contain diss. Cpy & MoS_2.							
365									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		From 362.73-365.3 - Mostly peg. with "inclusions" of BQMP and local leuco. gr. The latter two are cut by qtz. veins - parallel C/A.				Cu, MoS_2			
365		From 365.3-367.99 - Mostly BQMP with local peg. sections.							
366			366	369	100	.1,.1	60017	0.08	0.037
cpy.									
367									
K-spar flooding Ma. cpy.									
K-spar. alt.		Box 66 367.99-373.58 BQMP, Lcr. Gr. & Pegmatite							
368		From 367.99-368.3 K-spar flooding along irreg. qtz. veinlets - minor Cpy, Py, MoS_2.							
369		368.3-372.5 - light greyish to pinkish leuco. gr. and peg. (textures vary considerably and appears to be some remelting or recrystalization producing x-cutting contacts. Leuco. gr. has finely diss. spec. Hematite throughout, very few qtz. veins and is generally massive.	369	372	90	.1,.1	60018	0.01	0.003
370									
py.		372.5-373.58 BQMP - locally cut by leuco. gr. and qtz. veins, weak K-spar flooding from 373.							
371									
372			372	375	100	.1,.1	60019	0.12	0.032
cpy.									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
373 cpy. Mo. Argillic alt. with K-spar 374 flooding Mo. cpy. Mo.	X X	Box 67 373.58 - 379.17 BQMP 373.58 - 375.38 Argillically alterted BQMP with K-spar flooding, low intensity quartz veins, without propylitic envolopes, carrying minor cpy & Mo.							
375		375.38 - 376.30 Fine grained Lcr. Gr. to aplite carrying cpy. & Mo. in dike and also in quartz veins cross cutting aplites.	375	378	100	.15,.2	60020	0.10	0.028
cpy. Mo. cpy. 376 Mo.		376.52 - 376.62 and 377.25 - 377.85. 3 Feldspar Porphyrydike carrying cpy, MoS_2 + hematite. 2 types 1) feldspar phenocrypt only 2) feldspar biotite and quartz phenocrysts.							
377		Quartz stringers in host BQMP vary 0 - 20° to core axis with cpy. and MoS_2.							
		K-spar megacrysts have slightly corroded edges.	378	381	100	.1,.1	60021	0.09	0.022
378 Mo.		Box 68 379.17 - 384.60 BQMP & FP							
379 Mo. cpy. weak Argillic alt very weak Potassic alt.		379.17 - 381.4 BQMP slightly argillically altered, very weak Potassic alteration. 381.4 - 382.1 dark grey BQMP foliated and argilically altered contains very few traces of mineralization. 382.8 - 383.3 FP with MoS_2 fracture running 30° to C.A.							
380		383.3 to end BQMP with major MoS_2 and cpy bearing quartz vein at 384.0	381	384	100	.1,.1	60022	0.10	0.050
381									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
382 weak alt. system									
383 mo.									
384 mo. cpy. Mo.									
			384	387	100	.1, <1	60023	0.14	0.088
		Box 69 384 - 390.29							
385		BQMP							
		Foliated BQMP weakly altered feldspar and Kaolinite							
		with only one major dike 386.0 - 386.7 of Feldspar							
		Porphyry. A 20 cm chalcopyrite bearing quartz							
386		vein at 388.0. Sporadic K-spar flooding in							
		small quantities. Good quartz stringers sub-							
		parallel to foliation.							
387									
			387	390	100	.1≤1	60024	0.15	0.068
388 cpy.									
389 cpy.									
390 cpy.									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Box 70 390.29 - 395.86				Cu, MoS_2			
cpy-cpy		BQMP + Lcr. Gr.	390	393	100	.1≤.1	60025	0.12	0.090
391		Light grey BQMP with a slight greenish tinge. Possibly some weak Choloritization along with the Kaolinite. Quartz veins, 3 cm @80° to C.A.→							
py-cpy									
Argillic alt.		Stringers subparrallel to 20 ° to core exis. Local K-flooding. Chalcopyrite disseminated throughout							
392		usually associated with qtz veins. MoS_2 seen only with K-flooding.							
		Lcr. Gr. myrmekitic texture is some of larger growths. Biotite needles as phenocrysts as well.							
393			393	396	100	.1≤.1	60026	0.07	0.092
Mo. cpy									
k-spar 394									
flooding									
395									
396		Box 71 395.86 - 401.52							
		Lcr. Gr. + BQMP	396	399	100	<1≤.1	60027	0.03	0.013
		As above Lcr. Gr. first then BQMP. Foliation is not strong. Quartz veins are plentiful with some K-flooding along. Traces of cpy and Mo.							
397									
398									
399									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE Cu MoS$_2$	SAM. NO.	ASSAYS Cu	ASSAYS MoS$_2$
cpy. Mo.			399	402	100	.1≤.1	60028	0.10	0.047
400									
401									
K-spar flooding Mo. cpy. Mo.		Box 71 401.52 - 407.09							
402		BQMP							
		Light grey BQMP except for some pinkish sections where K-flooding has occurred and some very white sections where argillic alt. is very intense.	402	405	100	.1≤.1	60029	0.14	0.185
403 cpy. Mo.									
Locally intense Argillic alt. 404									
405									
			405	408	96	.1≤.1	60030	0.16	0.053
406									
407									
K-spar flooding Mo.		Box 73 407.09 - 412.60							
		BQMP							
		Light grey BQMP. Pink in areas of							

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
408		K-flooding white in sections of intense argillic alt.							
Mo. py.		Qtz veins @20° & 80°. Qtz at 80° are late stage	408	411	100	<.1, <.1	60031	0.11	0.657
		and cut Mo bearing veins at 20°.							
K-spar flooding		Last 5 m contains quartz vein bearing pyrite, magnetite,							
409 Mo.		and pyrrhotite.(?)							
410									
Mo. cpy.									
411 py. hem.			411	414	100	.1<.1	60032	0.28	0.030
412									
po. cpy. mg.		Box 74 412.60 - 418.23							
cpy.		BQMP							
413		Light grey BQMP with sporadic K-flooding pervasive							
		argillic alt. sometimes intense. Propylic alt.							
		envolopes around qtz viens.							
		Porphyritic Granite, pink matrix, plagioclase feldspar,							
414 cpy.		biotite and quartz pheocrysts. 2 mm grain size.	414	417	100	<.1<.1	60033	0.12	0.042
		Most of the mineralization associated with Qtz							
		veins. Some with K-flooding and a small trace Mo near							
415		Porphyritic Granite @417.65.							
Mo. hem.									
K-spar flooding 416 py.									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
cpy.						Cu, MoS_2			
417			417	420	100	.1, .1	60034	0.11	0.065
cpy.									
Mo.									
cpy. Mo.									
Weak pervasive propylitic alt. 418									
		Box 75 418.23 - 423.80							
cpy.		BQMP							
		Light grey BQMP with K-flooding, minor foliation from 418.85 - 419.70.							
419 cpy. Mo.		Propylitic alteration is weakly pervasive throughout the BQMP as well as in envolopes. Pinkish first 1/2 box, greenish tint to last 1/2 of box.							
420 cpy. Mo.			420	423	100	≤1≤.1	60035	0.09	0.023
K-spar flooding 421 Mo. cpy. hem.									
422									
423			423	426	100	.1≤.1	60036	0.10	0.030
		Box 76 423.80 - 429.40							
424		BQMP							
cpy hem		Light grey BQMP with a greenish tinge, pinkish where K-flooding is pervasive. Quartz stringers subparallel @20° to C.A. Propylitic envolopes and pervasive argillic alt are present. 427.4 - 427.94 Argillic and Propylitic very strong.							
425									

TEXASGULF INC. — DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
cpy. Mo. 426 cpy.									
			426	429	100	.1, .1	60037	0.08	0.050
hem. Cpy. 427 Mo.									
strong Argillic alt. strong Propylitic alt. Mo. 428 cpy.									
Mo. K-spar flooding 429 Mo.									
			429	432	100	≤1, ≤1	60038	0.10	0.020
		Box 77 429.40 - 434.88 BQMP							
430		Light grey BQMP, weakly pervasive propylitic							
weakly pervasive Mo. alt. systems.		alt.. Weak argillic alt. growing stronger towards the end of the box. Quartz veins up to .75m							
431 cpy.		long and 1cm wide cause propylitic alt. over large areas.							
		Dark grey BQMP 433.20 - 433.45.							
432			432	435	100	≤1, ≤1	60039	0.11	0.042
433 Mo.									
434 Mo.									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE Cu, MoS_2	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
Mo.									
Argillic alt decreasing 435		Box 78 434.88 - 440.61							
		BQMP	435	438	100	<.1, <.1	60040	0.11	0.067
		Light grey BQMP as usual. Whitish from Kaolinite at start of box, gradually aquiring a greenish tinge							
Propylitic alt. increasing 436		from increased propylitic alt. around qtz veins and finally a pink tinge at the end due to K-spar increase.							
		Pyrite is ubiquitous and cpy. & MoS_2 can be found in or near most qtz veins.							
437									
438									
cpy. Mo.			438	441	100	.1, .1	60041	0.12	0.107
Mo.									
439									
py, sph., Mo. cpy. 440									
Potassic flooding increasing Mo. cpy. 441		Box 79 440.61 - 446.40. BQMP							
		Pink grey BQMP; extensive Potassium flooding; chalco-	441	444	100	.2, .15	60042	0.18	0.103
		pyrite and Moly are dissemminated throughout. Argillic alt. is almost completely obliterated.							
442		Propylitic is somewhat spread out but it could be the increase in % of qtz veins.							

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
443 ↑						Cu, MoS_2			
Mo cpy									
↓ 444			444	447	100	.25.2	60043	0.17	0.132
445									
446									
↑		Box 80 446.40 - 452.22							
		BQMP							
447		Same as above. K-spar flooding BQMP.							
		Cpy and MoS_2 disseminated throughout. Not confined	447	450	100	.25:1	60044	0.15	0.127
Mo cpy ↓		to qtz veins!							
		No K-spar megacrysts.							
448									
Pervasive Potassic flooding. ↑ cpy Mo									
449									
↓									
450			450	453	100	.2,.1	60045	0.13	0.070
451									

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 53

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						$CuMoS_2$			
452		Box 81 452.22 - 458.18							
Mo.		BQMP							
Pervasive Potassic alt. 453 py. Mo. cpy.		Pinkish BQMP from pervasive K-alteration. Some propylitic alt. envolopes and some weakly pervasive chlorite in matrix but mostly marked by K-spar.	453	456	100	.1≤.1	60046	0.17	0.088
		Some K-spar megacrysts appear to be modified by alteration. No clear cut crystals.							
454 Mo.									
cpy.									
455 Mo.									
456 Mo. cpy.			456	459	97	≤1≤.1	60047	0.15	0.067
457 Mo. cpy.									
458		Box 82 458.18 - 463.88							
		BQMP							
		Same general description as above. Small intense argillic zone at 463.60. Irregular quartz fractures							
459		occur as well at 20° to C.A. veins with propylitic alt.	459	462	100	≤1≤.1	60048	0.11	0.035
		Mineralization is less, unless part of grayish colour in quartz veins is Moly.							
460									

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
461									
462			462	465	100	<.1, <.1	60049	0.08	0.023
463									
Pervasive Potassic alt. 464		Box 83 463.88 - 469.63 BQMP Pinkish light grey. BQMP pervasive K-alt. Pink Lcr. Gr. cuts off quartz veins and is cut by quartz veins. Usually unmineralized.							
465		Granular qtz. x's in BQMP.	465	468	100	<.1, <.1	60050	0.09	0.015
cpy 466									
467									
468			468	471	100	<.1, <.1	60051	0.16	0.113
469									

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
Mo. cpy.		Box 84 469.63 - 475.31							
Potassic		BQMP							
alt. 470		Pink grey. K-alt. is less intense but still							
decreasing		pervasive. Scattered localized zones of strong							
		argillic alt. 10cm of propylitic alt at the end of							
		the box.							
471		Stringer as well as 2 large quartz veins are still							
		pervasive. No assoicated propylitic envõlope.	471	474	100	<.1, <.1	60052	0.11	0.040
472									
cpy. Mo.									
473									
474									
Local Argillic alt.			474	477	100	.1, <.1	60053	0.18	0.067
475									
Mo. cpy.		Box 85 475.31 - 481.07							
Propylitic alt.		BQMP							
increasing 476		Green propylitic alteration is strong at start and							
		finish of the box. Stringer quartz at the start							
		and throughout the box. Major 20-30° vein only							
		470.75 - 481.00. K-alteration and weak propylitic							
		alt. cut by quartz stringers major % of zone.							
477 Mo. cpy.			477	480	100	.1, <.1	60054	0.15	0.095

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
478						Cu, MoS_2			
weak K-spar alt. 479									
480 Mo.			480	483	100	.2, .2	60055	0.18	0.332
Strong Propylitic alt. 481 Mo. cpy. Mo.		Box 86 481.07 - 486.81 BQMP + Lcr. Gr. Greenish grey BQMP. Biotite phenocrysts are fuzzy and less euhedral. K-spar megacrysts are also							
482 Mo. cpy. strong Propylitic alt. Mo. cpy.		somewhat corroded around the edges. Quartz crystals range up to 1cm and are quite distinctive. Weak propylitic alt. throughout, stronger where shown.							
483		Lcr. Gr. 484.1 - 485.6, pink white medium grained crystalline, coarsening near cross cutting qtz veins.	483	486	100	≤1, ≤1	60056	0.06	0.053
Propylitic alt. is weakly pervasive. 484		One main Qtz vein with MoS_2 + Cpy. 482 - 483.							
485									
486			486	489	100	.15.2	60057	0.13	0.277

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Box 87 486.81 - 492.58				Cu, MoS_2			
487 cpy. Mo.		BQMP							
		Green and pink tinges to basic grey BQMP.							
cpy. Mo.		Some Mo disseminated throughout with Potassic altera-							
Pervasive		tion but high grade material is along edge of quartz							
weak 488		stringers and veins. Stretched up to 1m long down the							
Propylitic alt. Mo.		core sub-parallel to core axis.							
cpy. Mo. 489									
			489	492	100	15.15	60058	0.12	0.165
490									
Mo. 491									
492			492	495	100	≤1, ≤1	60059	0.10	0.252
		Box 88 492.58 - 498.48							
		BQMP + Lcr. Gr.							
493		Pinkish-green BQMP large # of megacrysts in weak							
		propylitic alteration. Toward the end of the box							
		fewer megacryst but some foliation.							
		Lcr. Gr. fine→medium gr. pink, cuts and is cut by							
494		quartz veins.							
		Note-gypsum veins late stage, cut Qtz veins!							
495									

TEXASGULF INC. — DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE Cu, MoS_2	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
			495	498	100	<.1, <.1	60060	0.09	0.070
496									
Mo. cpy.									
497									
498									
			498	501	100	.1, <.1	60061	0.18	0.147
		Box 89 498.48 - 504.26							
499 Mo.		BQMP + Lcr. GR.							
Pervasive weak alt.		Same general description as above. Propylitic and Potassic alteration weak but pervasive. Pink to white Lcr. Gr. dikes.							
500									
cpy.									
501			501	504	100	<.1, <.1	60062	0.09	0.068
502									
503 Mo.									
504 Mo.									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE Cu, MoS_2	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Box 90 504.26 - 510.24 BQMP	504	507	100	.1,.1	60063	0.15	0.102
505 Mo. cpy. Mo.		Green BQMP with a slight pink tinge, i.e. Propylitic more pervasive than Potassic alt. Some white argillic alt near end of box @ 510. Moly. associated							
Propylitic > Potassic 506		with all qtz stringers but higher grade seems to be in areas of Potassic alteration.							
		508.5 gypsum and argillic alteration.							
507			507	510	100	≤1,≤1	60064	0.11	0.102
508									
Gypsum Argillic alt. 509									
Argillic alt. 510									
		Box 91 510.24 - 515.97 BQMP	510	513	100	≤1,≤1	60065	0.10	0.065
511 cpy.		~~Less altered BQMP very "fresh". Weak propylitic throughout with one zone of weak Potassic alt.,~~ ~~512.0 - 513.0. Qtz vein 11'1 to core axis. One vein 11'1 to C.A. is over 2 metres long, also qtz. veins at 25° and 80° are found.~~							
512 weak Mo. Potassic alt. Mo.									

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
513						Cu, MoS_2			
			513	516	100	≤1, ≤1	60066	0.12	0.162
514									
515									
516		Box 92 515.97 - 521.74							
		BQMP	516	519	100	≤1, ≤1	60067	0.14	0.187
Pervasive Propylitic alt.		Same general description as before. Lack of foliation, lack of K-spar megacrysts. 1 - 2 metre Potassic alteration zones, pervasive propylitic alt. and very spotty argillic alt.							
517 Potassic alt. zones		Some disseminated MoS_2 associated with Potassic alt. most of the MoS_2 is in last metre to box with qtz veins.							
518		One 2cm wide Feldspar porphyry or Leucocratic monzonite. White fine grained matrix with 25% white feldspar phenocrysts cut the core at 25°.							
519 Mo. cpy.			519	522	100	.1, .1	60068	0.18	0.123
Local Argillic alt.									
520 Mo.									
521 Mo. Mo.									

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO.

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Box 93 521.74 - 527.65				Cu, MoS_2			
522		BQMP + Lcr. Gr.							
Mo.		Light grey BQMP, no foliation, some large quartz phenocrysts. 523.75 weak argillic alt.	522	525	100	≤.1, ≤.1	60069	0.13	0.095
		525.5 → weak Potassic alt. (pink)							
523		Lcr. Gr. fine → medium grained, pink to white varying from granular to more silicous glossy gradationally.							
Mo.									
524									
525			525	528	100	.1, ≤.1	60070	0.14	0.130
526									
Potassic alt	cpy.								
527									
	cpy.								
		Box 94 527.65 - 533.70							
528		BQMP + Lcr. Gr.							
		Pink Potassic alt of BQMP to 528.75 carrying good MoS_2. Rest of the box is greenish due to propylitic alt. Strong propylitic alt. at 533.20.	528	531	100	.1, .1	60071	0.10	0.190
529									
Propylitic alt.									
530									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS					
						Cu, MoS_2							
weak. Propylitic alt. 531													
			531	534	100	<1 <.1	60072	0.12	0.087				
Mo. 532													
Mo. Strong Propylitic alt. 533													
Local sph.		Box 95 - 533.70 – 539.25 BQMP + Feldspar Porphyry Dike											
534		Greenish hue to BQMP from strong propylitic alt. ~~Brown alteration (?) with Mo near 537.25~~	534	537	100	<1 <.1	60073	0.15	0.097				
		538.2 – 539.15 Feldspar Porphyry.											
535 Mo.		White fine grained matrix with 25% white feldspar phenocrysts. Includes one 10cm section of pink matrix. Possibly another phase of "Leucocratic Granite" Diking.											
536		Qtz veins crosscut and are Mo bearing.											
537													
Brown alt.? Mo.			537	540	100	<1 <.1	60074	0.15	0.193				
538													
Mo. 539													

TEXASGULF INC. — DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
539		Box 96 539.25 – 545.00				Cu, MoS_2			
		BQMP + Lcr. Gr.							
540		Unfoliated BQMP generally propyliticly altered but							
		with Potassic envelopes around some of the quartz	540	543	100	.1, .1	60075	0.13	0.152
Weak Propylitic alt. with		veins.							
		Major Qtz. vein at 539.35 – 540.65							
some 541	Mo	Pink fine grained Lcr. Gr. at end of this box.							
Potassic envelopes.									
542			543	546	100	<.1, <.1	60076	0.06	0.042
	Mo								
543									
544									
545									
		Box 97 545.00 – 550.65							
		BQMP + Lcr. Gr.							
546		Weakly propyliticaly altered BQMP with some Potassic							
		alteration along quartz veins.	546	549	100	<.1, <.1	60077	0.10	0.055
		Pink fine grained Leucocratic Granite							
		549.0 – 550.41 same as above.							
547	Mo								

TEXASGULF INC. — DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
548						Cu, MoS_2			
549			549	552	100	≤1,.1	60078	0.08	0.138
550									
Mo. cpy. 551		Box 98 550.65 - 556.37 BQMP + Lcr. Gr.							
weak alt. systems.		Light grey BQMP with some greenish tinges.							
		Potassic alt. is rarely seen.							
552 Mo.		Moly bearing Quartz stringers and veins cut BQMP and Lcr. Gr.	552	555	100	≤1,.1	60079	0.10	0.115
Mo.		Lcr. Gr. bounded on both sides by aplitic phase chilled zone.							
553		Also some light green epidote (?) and light to dark brown cassiterite (?)							
554 Mo.									
555 Mo.			555	558	100	≤1,.1	60080	0.08	0.138
556		Box 99 556.37 - 562.21 BQMP							

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HOLE NO. T-2-81 | PAGE NO. 65

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Light grey BQMP with some weak propylitic alteration.				Cu, MoS_2			
557		No foliation. Some weak disseminated Pottassic							
Mo.		alteration. Along most fractures a thin propylitic							
weak		border exists.							
sporadic 558		Long quartz stringers 11'1 to C.A.							
Potassic alt. Mo		Also some of the quartz eye phenocrysts are larger							
		in diameter.	558	561	100	<.1,.1	60081	0.13	0.177
559 Mo									
Propylitic alt. enveloping qtz. veins.									
560									
561			561	564	100	.1,.1	60082	0.10	0.067
562									
Mo. cpy.		Box 100 562.21 - 568.15							
		BQMP							
		Light greenish grey with local pinkish sections							
563		of BQMP, locally foliated. Short sections of							
		aplitic or pink Lcr. Gr.. These short aplitic							
		sections are cut by the same stringer grey Mo							
Mo.		bearing Quartz veins which cut the BQMP indicating							
564		a) this aplite is earlier than the stringer	564	567	100	.2,.3	60083	0.18	0.225
		qtz. veins. (other aplites or Lcr. Gr. cut the							
		~~BQMP) hence indicating the presence of a "pre-minor-~~							
		~~alized Qtz. vein" aplite and the presence of a~~							
Mo. cpy.		similar post mineralized qtz vein aplite. The							
565		20° propylitic qtz. veins are a later stage qtz.							
		vein event and generally barren.							

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
local apl > F.P. dyke Mo cpy.		b) that the aplite has replaced the BQMP except for the mineralized qtz veins.				Cu, MoS_2			
566		At 565.2 the aplite grades into a pink feldspar porphyry.							
cpy.		~~MoS_2 is concentrated along the early grey stringer qtz veins and as local disseminations generally associated with local K-spar alt..~~							
567 cpy.		A greenish to brown mineral generally associated with Qtz. veins maybe epidote.							
Mo			567	570	100	.15, .2	60084	0.13	0.569
local aplite 568									
cut by Mo-qtz veintets.		Box 101 568.15 - 573.94							
		BQMP, Lcr. Gr. Porphyry and Pegmatite Dikes							
569		568.15 - 570.0 BQMP greenish light grey, cut at 569.1 by pink leuco gr. porphyry.							
		570.0 - 570.4 Pink Lcr.Gr. Por., contact approx. 20° to C.A. - this in turn cut by a "slightly later"							
weak.									
propylitic 570		aplite diklet.							
alt.		570.4 - 571.7 above is in contact with Pink	570	573	100	.1, .1	60085	0.05	0.022
Mo		Lcr. Gr. along a qtz-Mo vein with remnant BQMP adjacent. ~~Both the pegmatite and the pink Lcr.Gr. are essentially barren except for pyrite diss.~~							
571		and local conc.							
		571.7 - 573.94 Light greenish grey BQMP minor qtz stringers and local 20° por. qtz veins. Contact							
		with peg. at 20° to C.A. - local fol. of bio. adj. to contact. ~~Propylitic 20° Qtz veins frequently have an inner K-spar envelope.~~							
572									
573			573	576	100	.1, .1	60086	0.10	0.103
574									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Box 102 573.94 - 579.72 BQMP				Cu, MoS_2			
575	py.	Light, slightly greenish grey relatively massive BQMP. Locally cut by grey qtz stringers which are in turn cut by relatively barren Qtz filled fractures showing an inner pink K-spar alt. and outer propylitic alt.							
576			576	579	100	.1,.1	60087	0.11	0.197
	Mo. cpy.								
577									
578									
579			579	582	100	<1,.2	60088	0.08	0.138
580		Box 103 579.72 - 585.36 BQMP							
	Mo.	Light grey BQMP with a greenish tinge near fractures. Propylitic alt not as pervasive except near Qtz veins. No foliation.							
581	Mo.								
	Mo.	Mo bearing fractures cut off by 30° Qtz veins. But two of the best Mo veins in this section are at 20° to C.A.! No K-spar megacrysts							
582			582	585	100	<1,<1	60089	0.07	0.088

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
583									
584									
585									
			585	588	100	<1,.1	60090	0.06	0.060
Propylitic alt. Mo. minor Potassic alt.		Box 104 585.36 - 591.23 BQMP							
586 Mo.									
		Light grey BQMP. Feldspars are very fresh, biotite euhdral squares 1 - 2 mm, Quartz phenocrysts up to 5 mm and "granular" or composite.							
587		Two zones of propylitic alt. 585.6 - 586.4 and							
py		587.1 - 587.5; Several Qtz veins, some sulphides, sporadic MoS_2							
		Quartz veins that are Mo-bearing are dark grey in colour and do not have propylitic envolopes in							
588		contrast to the barren white veins with a green halo.	588	591	100	<1,.1	60091	0.07	0.030
Mo.									
589									
590									
Mo.									
591									
Mo. py.		Box 105 591.23 - 597.14 BQMP	591	594	100	.1,.1	60092	0.09	0.108

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 69

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
592 Mo. cpy.		Light grey BQMP cross cut by qtz veins and propylitic envolopes, Mo. bearing Qtz fracture, and small Lcr. Gr. dikes of the small fine grained pink variation.							
Mo. cpy. Mo. 593									
594			594	597	100	<1,.15	60093	0.06	0.060
595 ↑ Mo. ↓ 596									
597		Box 106 597.14 - 602.79 BQMP	597	600	100	<1,<1	60094	0.10	0.085
Mo. py. 598		Light grey BQMP with K-spar megacrysts, irregular propylitic alteration 597.14 - 600. Some associated with Qtz veins, some tending to weakly pervasive. Some small Lcr.Gr. (pink) dikes cut by Potassic alt as well. Last metre in box has Mo. bearing stringers and pervasive propylitic alt. Mo. is associated with both Qtz stringers and Potassic alt. stringers.							
Potassic flooding near Lcr.gr. Mo. 599									
600 Mo. cpy.			600	603	100	<1,.1	60095	0.06	0.173

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Unlike earlier sections Molybdenite is much more pervasive than Chalcopyrite.				Cu, MoS_2			
601		Mineralized stringers definitely are cut by 20° to C.A. Qtz veins.							
602									
Mo.									
603		Box 107 602.79 - 608.53							
		BQMP	603	606	100	≤1, ≤1	60096	0.05	0.075
		Light grey BQMP with local zones of propylitic alt. Some Potassic alt. near 606.0 with Moly.							
local 604		fractures.							
Propylitic alt.		605.75-20° Qtz vein cuts Mo. bearing Qtz vein							
zones.		running sub-parallel to C.A.							
605		Occassionally green to brown mineral epidote (±?)							
		608.1 Small Lcr. Gr.							
606									
			606	609	100	≤1, .1	60097	0.08	0.160
Potassic alt. Mo									
607									
Mo.									
608									
Mo.									
609		Box 108 608.53 - 614.40							
		BQMP							

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
Mo.		Light grey BQMP as usual, very small propylitic envolopes on Qtz veins.	609	612	100	≤1, .3	60098	0.09	0.375
610		609-611 large qtz vein, qtz. swarm some Potassic alt., but most of MoS_2 is carried in the qtz.							
		Small Lcr. Gr. (pegmatite) at start of box.							
		613.2-Qtz. vein with Pyrite and trace cpy. 80° to C.A.							
611									
612									
Mo.			612	615	100	≤1, ≤1	60099	0.08	0.102
613									
Py.									
Mo.									
614									
		~~Box 109 614.40 - 620.18~~							
Mo.		BQMP							
615									
		Same general description as above. Clear example of Lcr. Gr. cutting off mineralized Qtz vein.	615	618	100	≤1, ≤1	60100	0.05	0.060
		Also quartz vein at 618.0 shows Potassic and Propylitic alteration envolopes.							
616									
617									
K-spar alt.									

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE Cu, MoS_2	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
Propylitic alt. envelopes. 618									
			618	621	100	.2,.7	60951	0.22	0.542
Argillic alt. Mo.									
619 Mo.									
620									
Argillic alt.		Box 110 620.18 - 626.02 BQMP							
magnetite Mo.									
621		Light grey BQMP with pink and green (Potassic and Propylitic) envolopes along some Qtz veins.	621	624	100	.1,.2	60952	0.10	0.163
		Few K-spar megacrysts. Epidote and brownish mineral (?) associated with moly. bearing qtz veins.							
622									
		Main Moly. vein 620.1 - 621.5							
623									
Propylitic alt. envelopes. 624									
			624	627	100	.1,.1	60953	0.11	0.152
Mo.									
625									
Mo.									
Mo.									
626									
Mo.									

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
Mo.		Box 111 626.02 - 631.97				Cu, MoS_2			
		BQMP							
627									
		Light grey BQMP with sporadic Potassic and Propylitic	627	630	100	<1,.1	60954	0.08	0.188
		zones associated with Qtz veins.							
628		Several examples of 20 - 30° veins cutting							
Potassic alt.		Moly-bearing stringers. Some MoS_2 in Potassic							
Mo. cpy.		alt. zone.							
		Due to amount of Qtz veins, alt. is almost 100% of							
Propylitic alt. 629		box.							
Mo.									
630									
			630	633	100	<1,.1	60955	0.12	0.160
631 Mo.									
632		Box 112 631.97 - 637.72							
		BQMP							
Mo.									
		Same general description as above with less							
633		Potassic alteration and Propylitic alteration							
Mo.		very weak below 635.20	633	636	100	<1,.1	60956	0.11	0.062
634									
635									
Mo.									

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
636									
			636	639	100	≤1, ≤1	60957	0.07	0.052
Mo.									
637									
		Box 113 637.72 - 643.47							
638		BQMP							
		Light grey BQMP with a greenish tinge. K-spar							
		phenocrysts at 643.15.							
639		Potassic and Propylitic alt. envlopes on some quartz veins usually at 20° to C.A. but sometimes at 70° - 80° to C.A.	639	642	100	≤1, ≤1	60958	0.07	0.040
640									
Mo. Cpy.									
641									
642									
			642	645	100	≤1, ≤1	60950	0.07	0.037
643									
Mo.									
		Box 114 643.47 - 649.14							
		BQMP							
644									

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Light grey BQMP. very fresh. Minor Potassic				Cu, MoS_2			
Mo.		and Propylitic alt. near Qtz vein at 644.35.							
		Occasional white K-spar megacrysts.							
645									
			645	648	100	<1, <1	60960	0.07	0.117
646									
Mo. cpy.									
647									
648									
			648	651	100	<1, <1	60961	0.06	0.042
649									
		Box 115 649.14 - 654.98							
		BQMP							
		Same general description as before. Sporadic							
650		Potassic alt. and some propylitic envolopes.							
Sporadic Potassic alt.									
		Sphalerite with pyrite in Quratz vein 650.90							
tr sph.									
651									
			651	654	100	<1, .1	60962	0.07	0.122
652 Mo.									

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
653									
654									
Mo.			654	657	100	≤1, ≤1	60963	0.08	0.227
655		Box 116 654.98 - 660.71							
		BQMP							
		Light greenish grey BQMP with strong propylitic							
656		envolopes.							
Argillic alt.		658.55 Lcr. Gr dike cuts off mineralized Qtz vein.							
		Q.V. @ 50° to C.A., Lcr. Gr. @ 25° to C.A.							
Weak. 657		Very weak Potassic alt 659.0 - 659.3							
pervasive propylitic alt. locally intense									
Mo.		660.15 Pophyritic Gr. Pinkish white with white	657	660	100	≤1, ≤1	60964	0.10	0.127
		phenocrysts. Same as before, has inclusions of pyrite							
658		bearing BQMP.							
Mo.									
659									
Mo.									
660									
			660	663	100	≤1, ≤1	60965	0.07	0.244
		Box 117 660.71 - 666.51							
661		BQMP + Porphyritic Granite							

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Light grey BQMP with pink and green zones from weak but pervasive Potassic and propylitic alt.				Cu, MoS_2			
662									
Mo.		Moly bearing qtz stringers from 664.0 - 665.5; 665 9 - 666.3. Weak Potassic and propylitic border envolopes.							
663									
		Por. Gr. has two phases. Both have plag. feldspar, quartz eyes, biotite and chlorite as phenocrysts. However the matrix is either pink or white. xl's makeup 40% of pink and only 30% of white matrix granite.	663	666	100	≤1, .1	60966	0.07	0.250
664									
Mo.		Very similar to Lcr. Gr. dikes except that Lcr. Gr. dikes have only feldspars and phenocrysts.							
665									
666									
cpy. Mo.			666	669	100	≤1, ≤.1	60967	0.07	0.072
Argillic alt.		Box 118 666.51 - 672.37							
667		BQMP + Lcr. Gr.							
		Same general description as above. Sub-parallel Moly. bearing stringers.							
668									
		Lcr. Gr. - Homogeneous medium grained to aplitic.							
Mo.		More like upper level dikes. Trace myrmekitic texture.							
669									
			669	672	100	≤1, ≤1	60968	0.07	0.053
670									

TEXASGULF INC. — DRILL HOLE LOG

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TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
671									
Mo.									
672			672	675	100	<.1, <.1	60969	0.04	0.030
Potassic flooding		Box 119 672.37 - 678.24 BQMP + APLITE							
673		Lcr. Gr. from previous box cuts into and floods into BQMP. Potassasic flooding along Qtz. veins							
Mo.		and fractures is pervasive to 675.5. Argillic							
674		alt. is pervasive from 675.5 to aplitic dike. Rest of BQMP is weakly propyliticly altered.							
		Aplite is aphanitic and white. Fine grained variation of Lcr. Gr.?							
675		677.6 - Moly, Copper Qtz vein.							
		Mineralized veins also cut aplite.	675	678	100	.1, .1	60970	0.11	0.095
676									
Argillic alt.									
Mo.									
Mo.									
677									
cpy.									
Mo. cpy.									
678									
Mo.			678	681	100	<.1, <.1	60971	0.03	0.035
		Box 120 678.24 - 683.87 APLITE + BQMP							
679									

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
Mo. ↓		White aplitic phase of Lcr. Gr. is cut by Moly bearing quartz stringers and is locally tinged pink.				Cu, MoS_2			
680		Weakly pervasive Potassic alt. throughout BQMP and as envolopes around 20°-30° Qtz veins inside propylilic envolopes.							
Pervasive weak Potassic alt. 681		681.50 - 681.75 Ricl Cu-Moly quartz vein appears to be repeated movement along shear.							
		BQMP is "normal" but lacking in K-spar megacrysts.	681	684	100	.1,.2	60972	0.12	0.267
Mo. ↑ 682									
Mo. ↓ 683									
684		Box 121 683.97 - 689.84 BQMP	684	687	100	.1,.15	60973	0.31	0.190
↓		Pervasive Potassic alt. 683.97-688.0 with qtz. stringers up to 2 cm wide carrying very heavy Moly mineralization over the interval 687.0 - 687.75							
685									
Mo. 686		Some propylitic envolopes in light grey BQMP 688.00-689.44.							
grey Mo. 687									
Mo.			687	690	100	≤1,.2	60914	0.13	0.093

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
688									
Mo.									
689									
690		Box 122 689.84 - 695.58							
		BQMP + Lcr. Gr. (Pegmatite)	690	693	100	≤1, .1	60975	0.08	0.145
Mo.		Light grey BQMP cut by quartz veins with propylitic envolopes and some Moly bearing qtz stringers.							
691		690.15-690.90 Lcr. Gr. Very coarse grained feldspar and quartz. Not well-formed euhedral							
Local Potassic flooding	Mo.	crystals, more indistinct mass. Good Moly zone in middle of dike.							
692		Potassic flooding of BQMP below dike.							
Mo.									
693									
			693	696	100	≤1, ≤1	60976	0.10	0.037
Mo.									
694									
695	Mo.								
		Box 123 659.58 - 701.42							
696		BQMP + La. Cr.							
		Light grey BQMP with local Potassic and Propylitic.	696	699	100	≤1, ≤1	60977	0.05	0.04

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		alteration				Cu/MoS_2			
697		697.25-699.47 } Lcr. Gr.							
		701.15-701.9 }							
		White matrix with white plag. feldspar phenocrysts.							
Mo		A few biotite and chlorite phenocrysts. Some							
698		diss. pyrite and Moly.							
		Moly bearing stringers cut off both Lcr. Gr. and							
Mo.		BQMP. 20° quartz veins cut off all of the							
699		above and have propylitic alteration envolopes.							
			699	702	100	≤1, ≤1	60978	0.08	0.027
700									
701									
		Box 124 701 - 707.33							
Mo.		BQMP							
702									
		Light grey BQMP with biotite, qtz and feldspar	702	705	100	≤1, 1	60979	0.09	0.205
		phenocrysts and K-spar megacrysts sparsely							
		distributed.							
703 Mo.									
		Propylitic alteration envolope around quartz							
		vein with some pervasive propylitic alteration							
		at 706.75.							
704		Aplitic vein is displaced 7 cm along a 30°							
		quartz vein.							
705									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
			705	708	100	≤1, ≤1	60980	0.05	0.062
706									
707									
		Box 125 707.33 - 713.19							
		BQMP + ARGILLITE (SHALE)							
708									
		Light grey BQMP with argillic alteration highlighting plagioclase phenocrysts. (Plag to Kaolinite)	708	711	400	≤1, .1	60981	0.06	0.072
Argillic alt.									
gypsum + calcite 709	Mo	Trace calcite and gypsum seams.							
		711.0 → Shales.							
		Black fine grained where unaltered. Green grey envolopes beside quartz veins. Qtz veining is very pervasive, both Moly bearing and barren veins.							
710									
SHALE CONTACT 711		Lcr. Gr. also cut the shales.							
			711	714	100	≤1, ≤1	60982	0.07	0.107
712									
Mo.									
713 Mo.									
		Box 126 713-718.82							
		ARGILLITE							
714		Blcak fine grained shale with							

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		inclusions of BQMP Lcr. Gr. dike and Qtz				Cu, MoS_2			
		veins. Still some Moly and Copper in Qtz veins	714	717	100	≤1, ≤1	60983	0.06	0.08
		in both shales and dikes.							
715									
716									
717									
Mo. cpy. Mo.			717	720	100	≤1, 1	60984	0.05	0.203
718									
719		Box 127 718.82-724.68							
		ARGILLITE							
		Black fine grained shale with grey alteration							
720		near quartz stringers. Moly still present in							
Mo. cpy. Mo.		Quartz veins. Trace magnetite in shales.	720	723	100	≤1, 1	60985	0.03	0.170
721									
722									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
723 Mo.			723	726	100	≤1, ≤.1	60986	0.08	0.062
724									
epidote		Box 128 724.68 - 730.45							
725 py.		ARGILLITE							
		Same general description as above with two small zones of BQMP. Pervasive Moly bearing stringers. Local zones of epidote alteration.							
726			726	729	100	≤1, ≤.1	60987	0.11	0.087
727 py.									
epidote									
728									
729 Mo			729	732	100	.1, .2	60988	0.16	0.200
cpy									
730									
Mo, cpy. Mo.		Box 129 730.45 - 736.32							
		ARGILLITE							
731		Same general description as above. Trace sheelite associated with epidote.							

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE Cu, MoS_2	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
Mo.									
732									
epidote + scheelite			732	735	100	≤1, ≤1	60989	0.07	0.097
733									
734 Mo.									
735									
			735	738	100	≤1, ≤1	60990	0.04	0.080
736									
		Box 130 736.32 - 742.20 ARGILLITE							
737		Same general description as above.							
738 cpy.									
			738	741	100	≤1, ≤1	60991	0.08	0.025
Mo.									
739									
740 Mo.									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
741									
			741	744	100	≤1, ≤1	60992	0.07	0.048
742									
po.		Box 131 742.20 - 747.98 ARGILLITE							
743		Black fine grained shale cut by Qtz stringers							
epidote		and veins. Trace Moly, trace magnetite, trace							
mg		pyrrhotite.							
		Small BQMP dike at 745.3.							
744			744	747	100	≤1, ≤1	60993	0.04	0.022
745									
746									
747									
Mo.			747	750	100	≤1, ≤1	60994	0.06	0.052
epidote + pyrite + pyrrhotite									
748		Box 132 747.98 - 753.95 ARGILLITE + BQMP							
		Same general description for Argillite							
749									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		749.1 - BQMP				Cu, MoS_2			
		Blue grey matrix, more siliceous and higher %							
		matrix in dike compared to stock. Euhedral							
750		biotite and anhedral plagioclase feldspar							
Mo.		phenocrysts with occasional K-spar megacrysts.	750	753	100	≤1, ≤1	60995	0.01	0.017
K-spar flooding									
Mo.									
751									
K-spar flooding									
752									
753									
			753	756	100	≤1, ≤1	60996	0.02	0.068
754		Box 133 753.95 - 759.72							
		BQMP + ARGILLITE							
		Same general description as above. Potassic							
755		flooding along quartz veins, no propylitic							
		alt. Epidote pyrite and trace pyrrhotite							
		757.25 - 757.75.							
756									
			756	759	100	≤1, ≤1	60997	0.02	0.098
Mo.									
757									
epidote, pyrite pyrrhotite									
Mo.									

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DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 88

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
758						Cu, MoS_2			
Mo.									
759									
Mo.			759	762	100	<1, <1	69887	0.05	0.013
760		Box 134 759.72 - 765.15 ARGILLITE							
Mo.		Same general description as before.							
761		Moly bearing quartz veins and stringers are plentiful but do not cause contact alterations.							
		Barren quartz veins do produce a greying of the shales.							
762									
			762	765	100	<1, <1	60999	0.05	0.083
		Magnetite is spread weakly throughout the shales.							
763									
764									
765 Mo. cpy. mg. po. Mo.		Box 135 765.15 - 769.32 ARGILLITE	765	768	100	<1, <1	61000	0.04	0.053
766		Same general description as above.							

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DRILL HOLE LOG

HOLE NO. T-2-81 | PAGE NO. 89

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
767									
tr. Mo.									
768									
			768	779.32	100	$1, $1	61001	0.08	0.032
769									
769.32		End of Hole.							

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO.	PAGE NO.
T-3-81	1

PROPERTY: MOLLY TOM
LOCATION: Mt. Thomlinson
Map co-ordination N6160800 E 59200
AZIM: 261° **ELEV:** 1850
DIP: 51° **LENGTH:** 87.5 m
CORE SIZE: NQ
STARTED: Aug 17, 1981
COMPLETED: Aug 20, 1981
PURPOSE: To test western end of mineralized zone encountered in T-2-81
CORE RECOVERY: very good

DIP TEST

FOOTAGE	AZIMUTH	DIP	FOOTAGE	READING	CORRECT
6.1 m	-	51°			
65.2 m	261°	50.5°			

CLAIM NO: MOLLY TOM 1
SECTION: B-B'
LOGGED BY: George Cooper
DATE LOGGED: Aug 17-Aug 20/81
DRILLING CO: Longyear Canada Ltd.
ASSAYED BY:

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Casing 0.2.1 m						
1			0	3	28			
2		Box 1 2.1-7.87 BQMP						
3								
Propylitic alteration envelopes border all 20° quartz veins throughout a 4		Biotite and quartz phenocrysts stand out. Plagioclase and alkalic feldspars are also phenocrysts. Overall colour is white to grey. More detailed description in Box 2.	3	6	100			
5								
6			6	9	100			

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TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-3-81 | PAGE NO. 2

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
7								
		Box 2 7.87-13.82						
		BQMP						
8		Light white porphyritic rock. Phenocrysts of biotite, plagioclase feldspar, quartz and alkali feldspar.						
		Biotite is euhedral and usually square up to 3 mm	9	12	100			
9		across. Plagioclase feldspars are euhedral to anhedral, distinct and in clusters about the same size as the biotite phenocrysts but having more of a range 1-5 mm average 3mm. Quartz phenocrysts usually						
10		larger are often rounded but sometimes subrounded with indistinct margins, 3-10 mm Average 5 mm.						
		K-spar megacrysts are sporadic and often found in						
11		groups of 3 or 4 crystals with metres of K-spar free monzonite between. Range in size from 1.5x1.5cm to 5x5cm. Average 3x3 cm. They often appear zoned and have inclusions of biotite outlining the zones.						
12			12	15	100			
		Manganese on fractuers; Iron staining along veins and						
13		fractures. Propylitic alteration, of biotite to chlorite ± pyrite, envelopes around Qtz veins.						
		Box 3 13.82-19.57						
14		BQMP						
		Same general description as above. 95% of box is rusty iron stained. Small traces of malachite.						
tr. malachite 15		Very weak. propylitic alt. envelopes with qtz veins manganese on fractures.						

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-3-81 | PAGE NO. 4

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
			24	27	98			
24								
25								
		Box 5 25.60-31.40						
		BQMP						
26								
		Same general description as before with iron and manganese staining.						
		Quartz phenocrysts slightly larger. Average 5-7 mm						
27		and slightly higher %, 15%, previously only 10%.	27	30	100			
		Small aplitic dike 27.6-27.7. Brown fine-grained.						
28		Perhaps just chilled side of a leucocratic granite						
		but dendritic manganese (pyrolusite?) and iron						
		staining make it difficult to distinguish.						
29								
30								
			30	33	100			
31								
		Box 6 31.40-37.24						
		BQMP						
32		Same general description as above. Quartz xls up to						
		1 cm in diameter. 15-20%. Pink K-spar megacrysts up						

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-3-81 | PAGE NO. 5

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		to 5 cm across.						
33		Iron staining and manganese on fractures 25% deep rusty iron stains	33	36	100			
		50% pale pinkish iron staining. Splitting the core shows tiny rusted crystals and weak but pervasive staining.						
34								
35								
36			36	39	100			
37								
tr. malachite								
		Box 7 37.24-42.92						
		BQMP						
38		Same general description as above. Note that Qtz & propylitic alt envelopes cut K-spar megacrysts.						
39		Two small Leucocratic Granite dikes. 1 cm wide @ 65° to C.A. @ 39.8 m. Pink brown matrix with biotite needles, probably Qtz & feldspar phenocrysts but relatively fine-grained.	39	42	100			
40								
41								

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DRILL HOLE LOG

HOLE NO. T-3-81 | PAGE NO. 7

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Iron staining and manganese fractures are pervasive.						
51								
			51	54	100			
52								
Az. + mal.								
53								
tr. Az. + mal.								
tr. Mo.								
54								
			54	57	100			
		Box 10 54.4-59.9						
		BQMP & PORPHYRITIC GRANITE DIKE						
55								
		Same general description for BQMP. K-spar megacrysts are over 5% of core.						
		57.4-58.4 interval. Qtz crystals very distinctive.						
56		Some Cu oxides.						
Cement*		Porphyritic Granite. Very similar to BQMP with Qtz						
		eyes, plagioclase, feldspar and biotite crystals as						
		phenocrysts. Main difference is that matrix is 60%+						
57		of total dike and no K-spar megacrysts. Also matrix						
tr. mal. + az.		is definitely pink not grey-white. Dikes are iron	57	60	100			
		stained. Especially noticable on feldspar crystals						
		and fractures have manganese on them.						
58								
tr. py.		At 58.6 a Qtz vein cuts porphyritic Gr. and a potassic						
		alteration envelope occurs.						

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DRILL HOLE LOG

HOLE NO. T-3-81 | PAGE NO. 8

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
59								
		Box 11 59.9-65.3						
		BQMP + Leucocratic Granite Dike	60	63	100			
60		Complex diking of very similar dikes in whiteish BQMP. Some weak argillic alt. highlights plagioclase feld-						
		spars in BQMP. Iron staining and propylitic alt. along						
61		quartz veins is pervasive. Some manganese on						
		fractures and dendritic pyrolusite is also seen.						
		Lcr. Gr. dikes range from aplitic 64.4-64.8 and 65.1-						
		65.5 to porphyritic with the same matrix as the						
62		aplites. 60.5-61.5 and small more siliceous porphyritic						
		dikes 62.5.						
		These dikes are basically brown in colour with						
		feldspar phenocrysts where applicable.						
63								
			63	66	100			
64								
65								
		Box 12 65.3-71.3						
		Lcr. Gr. + BQMP						
66								
		90% brown Lcr. Gr. Continuous dike with porphyritic	66	69	100			
		and aplitic phases. One quartz vein cuts dike at						
		66.0 @ 30° to C.A. Some of the feldspar phenocrysts						
67		have been altered to kaolinite.						

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DRILL HOLE LOG

HOLE NO. T-3-81 | PAGE NO. 9

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
68								
69			69	72	98			
70								
71		Box 13 71.3-77.2 Leucocratic Granite						
72			72	75	100			
73		Except for 60 cm of BQMP this is a massive dike of porphyritic to aplitic lcr. Gr with minor phases of siliceous porphyritic granite. Sometimes aplitic and siliceous phases appear to crosscut as well as gradational changes.						
74								
75			75	78	100			
76								

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DRILL HOLE LOG

HOLE NO. T-3-81 | PAGE NO. 10

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
77								
		Box 14 77.2-83.0						
		Lcr. Gr						
78								
		Same general description as before	78	81	100			
		A few qtz veins cross cut @ 20-30° to C.A.						
		Only one large vein (1 cm) @ 79.6 crosscutting						
79		aplite which in turn cuts Lcr. Gr.						
		Pyrolusite is associated with this larger vein.						
80								
81								
			81	84	100			
82								
83								
		Box 15 83.0-87.5						
		Lcr. Gr.						
84								
		Same general description as before. Pinkish brown						
		Lcr. Gr. Porphyritic & non porphyritic.	84	87	100			
		One mineralized qtz vein with MoS_2 at 85.6						
85								

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DRILL HOLE LOG

HOLE NO. T-3-81 | PAGE NO. 11

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
MoS_2								
86								
87								
87.5		E.O.H.	87	87.48	100			

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO.	PAGE NO.
T-4-81	1

PROPERTY: MOLLY TOM
LOCATION: Mt. Thomlinson
Map Co-ordinates N6160800 E59200
AZIM: 265° ELEV: 1850
DIP: 52.5° LENGTH: 601.68
CORE SIZE: NQ
STARTED: Aug. 20, 1981
COMPLETED: Sept. 7, 1981
PURPOSE: To test western end of mineralized zone encountered in T-2-81.
CORE RECOVERY: VERY GOOD

DIP TEST

FOOTAGE	AZIMUTH	DIP	FOOTAGE	READING	CORRECT
25.6m	265°	52.5°			
156.7m	262°	52.0°			
381.0m	256°	51.0°			
482.8m	254°	49.5°			
601.68m	249°	47.5°			

CLAIM NO: MOLLY TOM 1
SECTION: B-B'
LOGGED BY: George Cooper and Dave Bending
DATE LOGGED: Aug. 20, 1981 - Sept. 8, 1981
DRILLING CO: Long Year Canada Inc.
ASSAYED BY: Bondar-Clegg

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
0		0 - 3.4 Casing						
1								
2								
3								
		Box 1 3.4 - 8.9	3	6	86			
		BQMP						
4		Light grey porphyritic crystalline. Quartz phenocrysts up to 1cm in diameter, average size is 5mm.						
5		Quartz is 15% of total. Biotite crystals are euhedral squares up to 5mm averaging 2mm, -- 15%. Plagioclase feldspars are white euhedral to anhedral and smaller than biotite 1-2mm, -- 50%.						
6		Sporadic K-spar megacrysts up to 5cm across averaging 3cm. With biotite inclusions, --<5%.						

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TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 2

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Matrix varies in content of quartz, plagioclase and alkali feldspar which in turn produces a clear white	6	9	100			
7		or pinkish tinge. Iron staining is pervasive along fractures and veins. Manganese staining occurs on most fractures.						
Qtz. veins have propylitic alt. envelope throughout T-4-81.		Broken core 3.4 - 7.3.						
8								
9		Box 2 8.9 - 14.7 BQMP	9	12	100			
		Same general description as before. Quartz veins cutting BQMP have associated propylitic envolopes where chlorite has been formed from biotite. (+ pyrite)						
10								
11								
12			12	15	100			
13								
14								
15		Box 3 14.7 - 20.3 BQMP						

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 3

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Same general description as before. At 18.2,2 Qtz veins cut(?) stringer with chalcopopite and galena mineralization (trace).	15	18	100			
16								
17								
18 py. tr. gl. + cpy.			18	21	100			
19								
20								
		Box 4 20.3 - 25.9						
		BQMP						
21		A few very small Qtz fractures and 1 brown Leucocratic dike 2 cm wide cut the iron stained BQMP.	21	24	100			
		Same general description of BQMP with local sections of finer or larger biotite phenocrysts as well as an increase or decrease in size of Qtz eyes.						
22								
23								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 4

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
24								
			24	27	100			
25								
Diffuse 26 green cast and K-spar rims along steep fractures. 27		Box 5 25.9 - 31.6 BQMP Generally BQMP with Fe(Mn) Ox stains along and up to 15cm. away from fractures. Some fractures that are sub-parallel to the core (average angle 75°) are filled with quartz and orthoclase and have 0.5 - 1 cm. potassic (Fsp) rinds. The interval 31.5 - 31.6 contains a porous, 2 cm. wide tabular zone of secondary biotite and open pockets created by solution of feldspars.	27	30	100			
1.5 cm 28 K-spar rinds								
29		BQMP is about 5% zoned orthoclase megacrysts 3 to 5cm. in diameter.						
30			30	33	100			
31								
Secondary biotite along fracture 32		Box 6 31.6 - 37.4 BQMP Fe, Mn Oxide coating and stains progressively less common and extensive with depth. The BQMP in this						

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 5

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		box is cut by quartz veinlets up to 1cm. thick with potassic and green rims and traces of malachite.						
K-spar rimming a fracture 33		BQMP (cm.-sized quartz eyes). 3-5% Prominently zoned orthoclase megacrysts. Traces of pyrite and molybdenite occur along steep	33	36	100			
1 cm. Qtz. vein with green 34 and potassic rim. tr. mal.		fractures with potassic rims 5mm thick. These are postdated by more prominent quartz veinlets with inner potassic (1cm) and outer green (1-2cm) alteration selvages. The plagioclase feldspars are pitted by very moderate (probably meteoric-surface						
35 Locally siliceous along margins of veinlets		weathering) argillization.						
36			36	39	100			
mod. Propylitic alt. tr. mal. py. 37 tr. MoS_2								
		Box 7 37.4 - 44.0 BQMP						
Pink Lcr. gr. 38 dike (irregular, with diffuse contacts) 25 cm. thick. 39		Generally BQMP with veinlets and fractures rimmed with potassic and diffuse green alteration. Most of the green colour is apparently due to traces of malachite, which is more evident within the veinlets.						
			39	42	70			
40								
mal. + az. along fractures 41								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 6

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
green malachite staining. 42 K-spar rims along steep fractures and veinlets 43			42	45	100			
44		Box 8 44.0 - 49.8 BQMP						
tr. py., mal., in Qtz. veinlets 45		44.0 - 47.05: Quartz-eye BQMP with fractures and Quartz veinlets 0 - 20° to core axis showing potassic and siliceous selvages, some 'green' tint (probably partly traces of malachite) and isolated	45	48	100			
Film of Secondary biotite 46 along a fracture		blebs of malachite. (46.98 - 47.05 is bleached from weathering, and FeOx stained). 47.05 is 3cm of silicified gouge with traces of pyrite, malachite, and probably chalchopyrite. The shear dips 40° to core axis. 47.05 - 48.2 is BQMP with progressively more intense (generally moderate) silicification						
47 2 cm. silicified gouge in shear		along fractures. 48.2 - 49 is sheared and silicified with about 2% pyrite and traces of Chalcopyrite and malachite. 49.0 - 49.8 is megacrystic BQMP as above. Note that the potassic fractures are cut by the silicified shears.						
silicification 48 and diffuse green stain along shear.			48	51	100			
Intense and pervasive 49 silicification. 2% py., tr. cpy., mal.		Shears dipping 18°-35° away from core axis.						
50								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 7

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 9 49.8 - 55.4						
K-spar selvages		BQMP						
1 cm. thick		Megacrystic quartz-eye Biotite Quartz monzonite						
51		porphyry with 1-3mm thick quartz veinlets sub-						
		parallel to core showing K-spar selvages and faint	51	54	100			
		to prominent malachite and azurite staining. The						
		quartz veins swell locally (e.g.@52.5m to 2cm) and						
tr. mal. 52		contain traces of pyrite and marmatite. Note also						
along Qtz. veinlets		several 2-3cm thick pink Felsite dykelets (with						
		traces biotite) that are cut by the qtz. veinlets.						
53								
iron-stained 54 fractures								
			54	57	100			
mal., az., 2% 55								
tr. ZnS, py.		Box 10 55.4 - 61.1						
		BQMP + Lcr. Gr.						
56		55.4 - 57.3 Megacrystic BQMP as above, 57.3 - 59.56						
		BQMP relics in and between pink felsite porphyry						
py., tr. cpy.		dykes that seem to vary from 2 to greater than 25cm.						
K-spar selvages		in thickness. These are cut by quartz veins and						
57		veinlets with pyrite. Contacts are variable in						
		character--generally diffuse but locally sharp; they	57	60	100			
		are generally associated with local potassic						
		alteration of plagioclases. 59.56 - 61.1; Megacrys-						
58		tic quartz eye BQMP with moderate, irregular potash						
Felted biotite		Felspathization and diffuse green alteration.						
or MnO_2 on		Manganese oxides occur along and branching from						
some fractures		fractures about 80° to core axis. 1- 1mm quartz						

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 8

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
59		Box 10 (continued) veinlets occur subparallel to the core. These show locally prominent K-spar selvages.						
Qtz., adularia, and py. in 1cm. vein ∥∥ to C.A.								
60			60	63	100			
Qtz. (some vugs) veinlet 1-4mm.								
61								
		Box 11 61.1 - 66.9						
		BQMP + FELDSPAR PORPHRY DIKE						
62		61.1 - 62.4; Pink porphyry dike with some potash metasomatized wedges of BQMP, and one K-spar quartz veinlet. 62.4 - 63.78 Megacrystic BQMP in various stages of alteration, gradational to diffuse patches						
Propylitic and irregular Potassic alt. 63		of metasomatic felsite and cut by medium grained grey flow banded porphyry. Most of the alteration is diffuse green, possibly chlorite from biotite.	63	66	100			
64		The alteration pattern is masked by irregular FeOx staining.						
		63.78 - 66.9 Flow banded brown Feldspar porphyry. Phenocrysts look like argillized plagioclase (they are 3 to 5 mm in diameter). The dyke is peppered						
65		with limonitic voids that may represent oxidized pyrite (3-4mm across). Note that this rock type extends into the next box. The whole thing is cut						
Qtz.-K-spar veinlets 3-5mm ∥'l to C.A. 66		by mm-sized quartz--K-spar veins.						
			66	69	100			
67		Box 12 66.9 - 72.8						
		FELDSPAR PORPHRY + BQMP						
		Generally brownish, finely crystalline (groundmass						

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 9

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		is aphanitic, phenocrysts are 3-5mm) granitic porphyry (? dyke rock?) with quartz K-spar veinlets parallel to axis of core, and mm-sized rusty pockets pseudomorphic after some mafic or pyrite. The interval 67.7 - 68.0 is megacrystic quartz-eye BQMP with local green alteration of the groundmass.						
68								
69			69	72	100			
70								
71								
72			72	75	100			
73		Box 13 72.8 - 78.6 Lcr. Gr. + BQMP						
2-3mm qtz.-orthoclase veins with thin potassic rims		Generally same as above--brownish variably (but generally finely) crystalline porphyry with 5% sub-mm sized biotite, feldspar phenocrysts 1-3mm, and a few quartz eyes. The interval is cut by 5-8mm quartz (pyrite) veins subparallel to the core. The interval 74.0 - 74.8 is a pale buff aplitic dyke. Note that dendrites of pyrolusite are ubiquitous and some of the quartz is amythistine.						
74								
py.								
75			75	78	100			
76								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 10

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
77								
78								
5mm K-spar selvages			78	81	100			
79		Box 14 78.6 - 84.4 Lcr. Gr. + BQMP						
		78.6 - 83.0 Pink to brown variably finely crystalline quartz-eye granitic porphyry. Same as box above.						
80		82.0 - 83.0 is a finely crystalline (aplitic) chilled margin. This has an aphanitic to aplitic texture with 0.5-1mm. quartz eyes compared to the 3-4mm phenocrysts of coarser parts of this intrusive phase.						
81		83.0 - 84.4 Megacrystic Quartz-eye BQMP with a) siliceous/potassic dykelets 3-5 mm thick that at least locally appear to inherit some fabric from the BQMP;	81	84	100			
Qtz; py. veinlets 30° to C.A. 82		and b) 5-10 mm quartz-pyrite (MoS_2, CaF_2) veins sub-parallel to core with 1-2mm green selvages.						
83								
Purple flourite and MoS_2 rosettes in 5-10 m qtz. 84 py. veins 11°1 to C.A. with 1-2 cm. propylitic selvages			84	87	100			
85		Box 15 84.4 - 90.3 BQMP Megacrystic BQMP. Zoned orthoclase megacrysts 5-10cm.						

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 11

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
85		in diameter comprise about 7% of the unaltered rock. The interval is cut by 0.8 to 1.5 cm. quartz veins (with accessory pyrite and traces MoS_2) varying						
1-1.5 cm qtz. veins with 86 propylitic selvages tr. py., Mo		from 25° to subparallel to the core. These veins are accompanied by 1-2cm. rims in which the feldspars and biotite are slightly altered to green minerals. Some steep fractures show irregular FeOx staining.						
87			87	90	100			
88								
89								
90								
iron staining			90	93	100			
		Box 16 90.3 - 96.1 BQMP						
91		Megacrystic Quartz-eye BQMP as above, cut by a) Siliceous pink dikes (about 2.5cm. thick at 25° to core axis, at 94.0; and 23 cm. thick, 20° to core,						
92		at 95.0 - 95.5). b) A barren 2cm. quartz vein 25° to core, with minor green alteration, and c) cm. sized quartz veins with prominent green selvages as in the						
93		intervals above. The paragenetic relation between vein types is not clear; they do not occur in the same core.						
			93	96	100			

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 12

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
94								
95								
96								
		Box 17 96.1 - 101.8 BQMP	96	99	100			
		BQMP (megacrystic, quartz-eyed) as above. Most presently open fractures are coated with (Fe, Mn)						
97		Oxides. A pink felsitic dyke occurs 100.0 - 100.3 at 15° to the core. Several smaller, more veinlike						
		dikelets also occur. They are cut by later quartz-						
98		pyrite veinlets as above, with 1-1.5cm. weak-green						
tr. MoS_2 in		alteration.						
Qtz.-py. veinlet								
<20° to C.A.								
weak 99								
propylitic and			99	102	100			
moderate K-spar.								
alt.								
100								
101								
102		Box 18 101.8 - 107.7 BQMP						
		Megacrystic quartz-eye BQMP with a) 1-2cm. potassic	102	105	100			

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 13

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
Propylitic selvages 103		dikelets 35-45° to core b) one quartz-pyrite (orthoclase) (MoS_2) vein at 20° to the core with a 0.5cm. potash metasomatic selvage, and c) 0.5 - 1cm.						
tr. Mo.		quartz (py) veins parallel to core, with 1-2cm. green						
Potassic alt.		alteration.						
104								
105			105	108	100			
106								
Propylitic alt.								
107								
		Box 19 107.7 - 113.8						
108		BQMP						
		Some steep (11'1 to core) Quartz veins 0.5-1.5cm.	108	111	95			
		thick, with very weak green alteration. Traces						
		of malachite along fractures. Note a 10cm. sil-						
109		iceous pophyry dyke at 20° to core at 111.95.						
tr. mal.								
along fractures								
with (Mn,Fe)oxides.								
110								
111			111	114	93			

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 14

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
112								
113								
mal., tr. cpy.								
114		Box 20 113.8 - 119.8						
		BQMP	114	117	100			
tr. py.		Megacrystic Quartz-eye BQMP with irregular veinlike potassic dykelets 2 to 5cm. thick at 10° to 15° to core axis, and occasional cm. sized qtz-K-spar-pyrite						
115		veinlets in similar orientation. FeOx stains occur						
tr. mal., with iron staining		on most fractures.						
116								
117								
			117	120	100			
118								
119								
Potassic haloes								
120								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 15

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
120		Box 21 119.8 - 125.6	120	123	100			
		BQMP						
		Typical Megacrystic BQMP with 1-3mm. quartz veins						
121		0-10° to core with mm-sized potassic rinds and 1-2cm.						
		diffuse green alteration of feldspars and biotite.						
		Most fractures 50-90° to core axis are FeOx stained,						
		with brown coloration extending 1-2cm. into the rock.						
122								
moderate 123								
to locally intense			123	126	100			
Propylitic alt.								
124								
125								
		Box 22 125.6 - 131.6						
126		BQMP						
		Megacrystic (some of the megacrysts have mm-sized	126	129	100			
		biotite and plagioclase inclusions along growth						
		zones) quartz-eyed BQMP with brownish pink aplite						
127		dykes at 25-30° to core and moderate green alteration						
mod. Propylitic		(with very local potassic alteration) along mm.-sized						
alt.		quartz veinlets that are subparallel to the core						
		axis. The green alteration is generally becoming						
128		more intense and pervasive than in the intervals						
		above.						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 16

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
129								
			129	132	100			
mod. to 130 locally intense Propylitic alt.								
131								
		Box 23 131.6 - 137.5						
132		BQMP						
		Typical BQMP with 1-1.5cm. quartz (py) veins sub-parallel to the core axis. Also, one 2cm. thick pink	132	135	100			
		dykelet in the same orientation. The quartz veins,						
133		as usual, are accompanied by 1.5cm. diffuse green						
		alteration halos.						
134 tr. py. weak local Potassic rims. mod. 135 Propylitic rims			135	138	100			
136								
137								

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 17

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 24 137.5 - 143.3						
		BQMP						
138		Megacrystic quartz-eye BQMP (Megacrysts are about 7% of the rock). Most is very fresh. A single 3mm	138	141	100			
		quartz vein at 141.43 - 141.9 shows a prominent green						
139		selvage 1.5cm. thick. 141.9 - 142.0 is gouge--along						
		a fault 80-90° from the core axis. Below the fault,						
		a quartz vein with locally associated green alteration						
		continues to the end of the box.						
140								
141								
			141	144	100			
gouge white, clay-rich 142								
143								
		Box 25 143.3 - 149.1						
		BQMP						
144		Typical, coarse BQMP with 1cm. quartz veins sub-						
		parallel to the core axis, associated with 1cm.	144	147	100			
		rims of diffuse (moderate) green alteration. Pyrite						
		and beige orthoclase are locally present in the						
145		quartz veins. White mica (muscovite) is present						
		along vein margins 148.1 - 149.1.						
146								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 18

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES - FROM	METRES - TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
147								
			147	150	100			
148								
Zoned selvages along steep 1-3 mm 149								
Qtz veinlet only present in core one at a time: K-spar rims 150 1-2 mm thick, mod propylitic alt. Locally evident sericite. 151 Local purple flourite in steep veins 152		Box 26 149.1 - 154.9 BQMP . Same as above except the green alteration is more pervasive (although still localized along veins) and the veins locally contain purple fluorite.	150	153	100			
153 Qtz.-K-spar veins with propylitic alt. Some 154 sericite-muscovite? alt. 155			153	156	100			

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 19

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 27 154.9 - 160.5						
		BQMP						
		Fresh megacrystic quartz-eyed BQMP with pink aplitic						
156		dykes at two localities: 1) 156.1 - 156.3, 10 cm.						
		thick, 25° to core axis. 2) 159.9 - 160.4, 20 cm.	156	159	100			
		thick, 20° to core axis. Note also a quartz-pyrite						
		vein 8mm. thick, 50° to core, at 160°, that cuts the						
157		dyke. The vein has no apparent associated alteration.						
158								
159								
			159	162	100			
160								
		Box 28 160.5 - 166.3						
161		BQMP						
		Quartz-eye Biotite quartz monzonite porphyry with						
		a) a pink aplitic porphyry dyke 10cm. thick, at						
162		164.0, 35° to core axis. b) 2-5mm. quartz veins						
inner potassic		subparallel to the core axis with 1-2mm. potassic						
and outer		and diffuse 2cm. green alteration rims. Note that	162	165	100			
propylitic alt.		the quartz veins cut the dyke but the green alteration						
envelopes. 163		is absent.						
tr. flourite, tr. py.								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 20

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
164								
165								
			165	168	100			
166								
		Box 29 166.3 - 171.9						
		BQMP						
167		Generally fresh megacrystic quartz-eye BQMP with						
		a brown-pink potassic dyke 25cm. thick, at <18° to						
		core axis, at 171.5 - 171.9, and some 1-3mm. quartz						
		veinlets subparallel to the core, with characteristic						
168		1-2mm. potassic and 1cm. diffuse green alteration.						
			168	171	100			
169								
170								
171								
weak local			171	174	100			
Potassic and								
Propylitic alt.								
increasing 172		Box 30 171.9 - 177.7						
downwards.		BQMP						
		Megacrystic quartz-eyed BQMP with one metasomatic						

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 21

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		k-spar richdyke at 174.8 - 175.7, and 1-3mm. quartz-						
Qtz, - K-spar 173		k-spar-pyrite (Fluorite) veinlets with prominent 1cm.						
pyrite, flourite,		potassic rinds and 2-3cm. green alteration zones.						
veins parallel to								
C.A. with 0.5-1cm								
K-spar 174								
selvages and mod.			174	177	100			
to intense								
propylitic alt.								
175								
176								
177								
			177	180	100			
		Box 31 177.9 - 183.5						
		BQMP + PEGMATITE						
178		Megacrystic quartz-eye BQMP. K-spar, Quartz, (biotite)						
locally Pervasive		dykes occur at 25°-30° to the core axis 177.7 - 177.9						
mod. propylitic alt.		shows a thin green alteration halo. Green (probably						
		chlorite, minor sericite, and propyllitic) alteration						
179		is pervasive in the interval 178.1 - 178.25. In						
		this alteration the groundmass of the BQMP is						
		selectively altered, with the K-spar megacrysts fresh.						
180								
			180	183	100			
Potassic, pegmatitic								
dyke 181								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 22

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
Pegmatite core and finely xline margins								
182								
183			183	186	100			
		Box 32 183.5 - 189.4						
184		BQMP						
		Generally Fresh megacrystic BQMP with some 4-7mm. quartz veins with weak 1-2cm. green alteration						
		haloes. Two pink aplitic dykes 5 and 1.5 cm. occur,						
185		respectively, at 188.75 and 189.1.						
Propylitic alt. selvages								
186			186	189	100			
187								
188								
189			189	192	100			
		Box 33 189.4 - 195.11						
irregular 10cm mod. silicification		BQMP + Lcr. Gr.						
190		Megacrystic quartz-eye BEMP with 1-4mm. Quartz-pyrite						

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 23

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
190		veinlets subparallel to the core axis with typical 1mm. potassic rims and 1-2cm. green alteration. Several very potassic dykes cut the core at 5-10°						
191								
192								
Pink aplite dyke			192	195	100			
193								
Propylitic alt. (with py. as usual)								
194								
Coarse dike comb 195 texture, coarse core, tr. muscovite			195	198	100			
		Box 34 195.11 - 200.81 BQMP						
196		Megacrystic Quartz-eye BQMP with quartz-orthoclase veinlets subparallel to the core axis, accompanied by 2cm. green alteration haloes. One felsite dyke						
mod. to locally intense 197 propylitic alt.		7cm. thick winds irregularly parallel to the core axis from before 195.11 to 196.5. The interval ~~198.8 - 199.34 is characterized by pervasive silicification (no feldspars are left in the groundmass) and propyllitic alteration.~~						
198								
tr. secondary biotite + K-spar			198	201	100			

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 24

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
199								
tr. secondary biotite & K-spar								
200								
1 cm propylitic envelopes.								
201		Box 35 200.81 - 206.35 BQMP Typical megacrystic quartz-eye BQMP with 0.5-1cm. quartz-k-spar-pyrite veins parallel to core axis, with diffuse, weak to locally intense green alteration.	201	204	100			
202								
203								
tr. py.								
204			204	207	100			
Qtz, py, muscovite vein, 1 cm, locally 205 vuggy, with propylitic alt. locally intense								
206								
		Box 36 206.35 - 212.32 BQMP						
207		Megacryst bearing quartz-eye BQMP with a pink-brown aplite dyke at 10-15° to core axis at 206.6-207.0, and typical Quartz-feldspar veinlets subparallel to	207	210	100			

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 25

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		the core axis with potassic and green selvages.						
208								
209								
210								
			210	213	100			
211								
212								
		Box 37 212.33 - 218.2						
		BQMP						
213		Megacryst-rich (about 8% orthoclase megacrysts)						
		quartz-eye BQMP, with very weak propyllitic alter-	213	216	100			
		ation along some fractures about 80° to core axis.						
214								
215								
216								
			216	219	100			

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 26

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
217								
218		Box 38 218.2 - 224. 01 BQMP						
		Typical BQMP with green alteration along quartz veins subparallel to the core axis. The veins are locally up to 5% pyrite. They are accompanied by the characteristic green alteration haloes, increasing in intensity and dimmensions with depth.						
219			219	222	100			
220								
1-1.5 cm @ tz. vein 1.5 cm propylitic envelope								
221								
222								
			222	225	97			
223								
strong local. propylitic alt.								
224								
		Box 39 224.0 - 229.97 BQMP BQMP with a medium to coarsely crystalline dyke 10cm. thick, at about 12° to core between 224.2-224.8, and						
225								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 27

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
225		1 cm. thick quartz-pyrite (epidote, k-spar) veins sub-	225	228	100			
		parallel to the core axis, accompanied by moderate to intense green (propyllitic) alteration. Several						
226		1-3cm. thick pink dykelets occur subparallel to the core axis 227.5 - 229.8.						
227								
Propylitic alt. envelopes 228								
			228	231	100			
229								
230		Box 40 229.97 - 235.77 BQMP						
		Cut by a) quartz vein-like brownish-pink dykelet with a quartz core and 1cm. pure K-spar margins.						
231								
			321	324	93			
232								
ocassional Qtz. vein with no alt. 233								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 28

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
gradual 234 increase in Argillic alt. plag. → Kaol. 235			234	237	100			
236		Box 41 245.7 - 241.36 BQMP Typical megacrystic quartz-eye BQMP with 0.5-1cm pink brown dykelets subparallel to 10° to the core axis; and mm-sized quartz veinlets with ? sericitic margins and 1.5cm thick selvages with moderate green alteration. Note moderate but pervasive argillization of groundmass plagioclase, resulting in notably lighter colour.						
237			237	240	100			
238								
239								
240								
mod. Propylitic alt.			240	243	89			
241								
increasing Propylitic alt. 242		Box 42 241.36 - 248.56 BQMP Altered megacrystic quartz-eyed BQMP. Note a shear between 243 and 244 at 0-5° to the core; 1cm quartz veins are present along most of the box, accompanied by moderate to strong sericitic and						

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DRILL HOLE LOG

HOLE NO. T-4-91 | PAGE NO. 29

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
Increasing Propylitic 243 and Argillic alt.		green selvages. The plagioclases away from the selvages are intensely argillized. Traces of pyrite occur along the quartz veins.						
			243	246	67			
		Broken and lost core between 242 and 245.						
244								
Propylitic alt. will mask Argillic. 245								
246								
			246	249	88			
247								
248								
		Box 43 248.56 - 254.3						
249		BQMP						
		Altered Megacrystic quartz-eye BQMP	249	252	100			
		Two 1-3cm dykelets occur 5-10° to the core axis. A 1-3mm quartz veinlet occurs subparallel to the core axis along most of the interval. This vein is characterized by prominent 1-3cm green selvages with minor sericite. Other parts of the core are argillized as above.						
250								
1-2mm Qtz fracture 2cm Propylitic alt. 251								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 30

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
252								
			252	255	97			
Argillic alt. 253								
254								
		Box 44 254.5 - 260.0 BQMP						
		Moderately to strongly argillized quartz-eye BQMP. Aplitic, brownish pink potassic dykelet 2cm. thick at the core at 5-10° at 256.8 - 257.1 and 259.0 - 259.3. 1-3 mm quartz veinlets subparallel to core are accompanied by green and sericitic alteration. The groundmass plagioclases are argillized as above.	255	258	100			
256								
257								
258								
			258	261	100			
259								
260								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 31

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
260		Box 45 260.1 - 266.1 BQMP						
		Megacrystic quartz-eye BQMP with very weak pervasive argillization of plagioclase, several cm.-sized						
261		pink aplitic dykes, 10-20° to the core axis, and quartz veins varying from fracture linings to 1.5cm	261	264	96			
		subparallel to 10° to the core axis. These veins						
262		are characterized by possible diffuse silicification, 5-10mm argillization, and 2cm - strong green (locally						
		pyritic) alteration. 265.0 - 265.4 is characterized						
		by strong green alteration that is so pervasive some						
263		growth zones in megacryst are green and sericitized.						
264			264	267	100			
265								
266								
Propylitic alt. (chlorite, sericite pyrite.)		Box 46 266.1 - 271.6 BQMP						
		Light grey with a whitish tinge from very weak argillic alt. Faint propylitic envolope around						
267		Qtz vein at 270.25 m. biotite has been altered to chlorite and carries associated pyrite.	267	270	100			
		Aplitic Lcr. granite vein 1cm wide @269.25. No						
		alteration zone associated with it. Quartz eyes						
268		range from 3 mm to 15 mm. averaging <10mm.						

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 32

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
269								
270								
			270	273	100			
271								
		Box 47 271.6 - 277.5						
		BQMP						
272		Light grey with whitish sections where locally, argillic alt. increases moderately. Several Qtz veins						
Propylitic alt.		from fractures with faint chlorite, to 1cm wide veins						
273		with strong propylitic alt. envelopes. ~~When Qtz veins cut K-spar megacrysts they narrow to hair line~~						
		fractures and whiten the pink alkali feldspars.	273	276	100			
		One qtz vein cuts at 70° to C. A. with no alteration zone.						
274		~~275.8 is an example of a slightly different "green" alteration. Instead of fine light green disseminated flecks in zones beside Qtz vein, the colour is~~ a dark grey green and in crystals up to 2mm across and interspersed among quartz and feldspar xls.						
275		Trace MoS_2 and cpy at 277.75.						
"Green" alt.								
276								
			276	279	100			
277								
tr. Mo.								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 33

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 48 277.5 - 283.9						
278		BQMP						
local Argillic alt.		Same general description as before. Local sections of moderate to strong argillic alt. Note Qtz vein 11'1 core axis at end of box without alteration zone. Small siliceous aplitic dike.						
279			279	282	100			
280								
281 strong Argillic alt.								
282			282	285	100			
283								
Absence of Propylitic alt.		Box 49 283.9 - 288.6						
on steeper 284 veins.		BQMP						
		Light grey with local sections of whiter weak argillic alt. K-spar megcrysts are plentiful. 5% of box. Some biotite xls up to 5mm. (average 2-3).						
		One small (1cm wide) aplite vein at 287.8.						
285			285	288	100			
286								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 34

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
287								
288								
Strong Argillic alt.			288	291	100			
289		Box 50 288.6 - 295.4 BQMP + APLITE DIKES Local sections of whitish Kaolinitized feldspars in grey BQMP. Qtz vein carrying trace chalcopyrite and even less trace MoS_2 cuts a aplite dike at 297.75. Aplite dike are grey to black and run parallel to as well as across core axis.						
290								
291			291	294	97			
292								
tr. cpy.								
tr. MoS_2								
293								
294			294	297	100			
295								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
295								
		Box 51 295.4 - 300.7 BQMP + APLITE DIKES						
296		Light grey gradually growing whitish by 297.0 and aquiring a pink tinge by 300.0 due to Potassic alt. along Qtz veins.						
weak Argillic alt.								
297		Aplite dike from blue-grey to pink-brown depending on alkali feldspar and qtz content. Aplite dikes cut each other but are all cut by Qtz veins and fractures.	297	300	100			
298								
299								
Potassic alt. along qtz. veins as well as								
300 Propylitic alt.			300	303	100			
301		Box 52 300.7 - 306.3 BQMP						
		There are potassic borders on quartz veins within propylitic envolopes. Also weak Potassic alt. is pervasive.						
302		~~K-spar crystals occur as small as 1.5x1.5 cm. as well as the larger 5x3 cm. xls.~~ Strong propylitic alt occurs only at 305 m.						
		Trace Moly in Qtz vein with associated Potassic alteration 304.7.						
303			303	306	100			

TEXASGULF INC.

DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
304								
tr. Mo.								
305								
306								
weak to locally mod. Argillic and Potassic alt'n.		Box 53 306.3 - 312.1 BQMP	306	309	98			
307		Light grey with pink and white tinges where argillic or potassic alt increases from weak to moderate. Quartz eyes are smaller and are less pronounced. Biotite xls are still relatively large. Propylitic alt. at ~~307.4 has a Potassic zone within it and probably a hairline fracture at the centre.~~						
308								
309			309	312	98			
310								
311								
312			312	315	100			

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 54 312.1 - 318.2						
313		BQMP						
		Green propylitic envolopes around Qtz veins @ 314 and 317.25 otherwise basic grey BQMP with some weak argillic alt.						
		Weak potassic envolope @314.						
314								
weak Argillic alt. with local								
weak 315								
Potassic alt. and Prepylitic alt. envelopes			315	318	96			
316								
317								
318								
		Box 55 318.2 - 323.9	318	321	96			
		BQMP						
		~~Light grey with pink hairline fractures and one green~~ propylitic alteration envolope around Qtz vein at 321. Large K-spar megacryst at 321.						
319		Slight biotite alignment trend at 322.5.						
320								
cpy.								
K-spar 321								
megacryst 5x4cm.								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
			321	324	100			
322								
weak Argillic 323 with local Potassic and Propylitic alt.								
324		Box 56 323.9 - 329.4 BQMP	324	327	100			
		Light grey with quartz eyes. Less pronounced, more pitted, less sharp. Except for one section of pink and green 324.3 - 324.9. Qtz vein parallel to C.A. and several 70° to C.A. fractures producing Potassic and propylitic alteration. ~~Minor alteration envelopes at 377.7.~~ Sporadic argillic alt. weak→moderate.						
325								
326								
327			327	330	100			
328								
329								
330		Box 57 329.4 - 335.3 BQMP						

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Same general description as before. Sporadic weak argillic alt. and propylitic envolopes to Qtz veins. A few small siliceous dark grey aplite dikes. K-spar megacrysts still very abundant.	330	333	100			
331								
Pervasive weak. Argillic alt.								
332								
333			333	336	100			
334								
335								
		Box 58 335.3 - 341.1						
		BQMP						
336		~~Light grey to white with pervasive moderate argillic alt. At 336.3 there is 10 cm. of~~ finer grained BQMP. Appears to be very local variation. Biotite is 1mm in grain size and about twice as plentiful. 20-25%. Propylitic alt. envolopes on Qtz veins. A few small aplite dikes ~~≈~~ 1cm. ~~One porphyritic dike at end of box. 340.7 → with Potassic flooding of BQMP~~ associated with it. Phenocrysts are feldspars pink and white and small biotite needles.	336	339	100			
337								
Potassic alt. Propylitic alt.								
338								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
339								
weaker Argillic alt.			339	342	100			
340								
Potassic flooding 341		Box 59 341.1 - 346.9 BQMP						
		Light grey similar to before with less argillic alt. Weak propylitic alt. along fractures. Good envolope at 345.25.						
342								
		Quartz eyes are 5mm on average.	342	345	100			
343								
344								
345								
calcite with Qtz. vein			345	348	100			
346								
347		Box 60 346.9 - 352.7 BQMP Light grey with slight pinkish tinge.						

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Zone of Potassic flooding 348 - 349. Extensive Qtz veining 351 - 352.25 with some Potassic alteration No propylitic alt! Quartz eyes are smaller and less distinct.						
348								
Potassic flooding								
349								
350								
351								
352								
		Box 61 352.7 - 358.4 BQMP						
tr. magnetite 353		Weak pervasive Potassic alteration produces pinkish grey colour except where argillic alt increases. 353.0 magnetite stringers between K-spar megacrysts. Quartz veins in previous box and magnetite stringers produce a ~~light foliation in biotite~~.						
354								
weak Potassic alt.								
355								
mod. Argillic alt.								
356								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
357								
			357	360	100			
358								
		Box 62 358.4 - 364.4						
		BQMP						
359		Grey to dark grey where matrix is more quartz rich. Some weak Potassic alt. Strong Potassic flooding at 361 around Qtz. veins. 361.5 (10 cm.) and 363.7 (20 cm.) zones of green grey BQMP. All the features of ordinary BQMP but plagioclase phenocrysts are very prominant. Biotite % is lower. Total silica is higher i.e. matrix % is higher. But with no apparent fractures to introduce Qtz into rock. Slight greenish tinge to matrix may account for lower biotite i.e. biotite → chlorite.						
Pervasive weak Potassic alt.								
360			360	363	100			
Strong Potassic flooding 361								
362								
363								
			363	366	90			
364								
365								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 43

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 63 364.7 - 369.9						
		BQMP						
		Dark grey as above with more quartz rich matrix, K-spar megacryts still occur, can even be distinguished in Potassic altered zone 369.1 - 370. Also chlorite and sericite (?) are along veins.	366	369	100			
366								
367								
368								
369								
strong Potassic alt.			369	372	100			
370		Box 64 369.9 - 375.9						
		BQMP						
weak Potassic alt.		Light pink grey matrix. Euhedral biotite averaging 3 mm. and sub rounded quartz eyes <10 mm. averaging 5 mm.						
371								
372								
			372	375	97			
373								

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DRILL HOLE LOG

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
374								
375								
			375	378	100			
376		Box 65 375.9 - 381.5						
		Porphyritic Granite						
		Pink grey, mostly porphyritic, but with small zones of "Leucocratic Granite" which occurs primarily in the transition zone from BQMP to PG. This zone also has coarser pegmatitic growth as well as argillic and propylitic alteration.						
377		Argillic alteration is strong i.e. plagioclase is almost completely altered to clay but the higher content of alkali feldspars decreases the amount of Kaolinite (?).						
Transition zone		Besides the pinker colour the main difference is the decrease in biotite phenocrysts. Biotite <5%. Quartz eyes occur but also in less quantity.						
378			378	381	100			
		Inclusion of BQMP @ 381.3						
379								
Argillic alt. strong 380								
381								
			381	384	100			
		Box 66 381.5 - 387.1						
382		Porphyritic Granite and BQMP						
		PG same general description as above. Last dike 384.2 - 385.5 is white, not pink, and is almost						

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 45

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		void of biotite, Argillic alteration has changed most of the large (3 mm) plagioclase feldspars → clay and is cut by several Qtz veins.						
383								
strong Argillic alt. 384			384	387	93			
385								
386								
387		Box 67 387.1 - 392.7	387	390	100			
		BQMP + Leucocratic Granite						
		Light grey typical BQMP. Propylitic green alt. along Qtz veins.						
388 Local Propylitic alt		~~Lcr. Gr. is pink and usually homogeneous in grain size and compositional alkali feldspar and Qtz predominately. Occasional larger grain pegmatitic sections in Lcr. dikes i.e. 391.7 or by itself 388.7.~~						
389		~~Cross cutting relationships at ≈390 show~~						
		~~Qtz vein youngest~~						
		Qtz vein ↑						
		Lcr. Gr. |					
		BQMP oldest						
390			390	393	100			
391								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
392								
393		Box 68 392.7 - 398.8 BQMP + Lcr. Gr.	393	396	100			
394		Same general rock descriptions as above. Complex diking, ∴probably following a dike down "dip". Granite ranges from coarse grained pegmatite to aplite.						
weak local Argillic alt. 395		397.4 - 399.2 Granitic dikes with BQMP remanents i.e. sporadic small biotite, argillically altered plagioclase and very few quartz eyes. IS NOT Porphyritic Granite, not consistent enough throughout.						
396			396	399	88			
397								
Contaminated dikes 398								
399		Box 69 398.8 - 404.6 BQMP Dark grey with pink Potassic alteration along Qtz veins and flooding from Granite dikes. Some propylitic alteration (minor) as well more reflectiveness	399	402	97			
400								

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 47

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		in green alteration? Sericite?						
401								
402			402	405	97			
irregular granite veining and Potassic 403 alt.								
404								
		Box 70 404.6						
405		BQMP + Lcr. Gr.	405	408	100			
		Lcr. Gr. is finer grained with very fine biotite needles as phenocrysts. Definite contacts with some Potassic alteration (weak) at contacts.						
406		Quartz vein cutting Lcr. Gr. at 408 is broken boudanage style. Perhaps it came in while dike was still semi-soft. Qtz vein has a very narrow pinker zone (1 cm.) within the pink dike.						
407								
408			408	411	100			

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
409								
Propylitic alt.								
410								
		Box 71 410.3 - 415.9 BQMP + Lcr. Gr.						
411		~~Pervasive moderate Potassic flooding throughout. 2 Zones of propylitic alt (minor).~~ Slight foliation marked by biotite where potassic flooding is weak colour is light grey instead of dark grey of unaltered areas.	411	414	100			
Potassic flooding 412								
413								
414			414	417	98			
415								
416		Box 72 415.9 - 421.4 BQMP + Lcr. Gr. Complex box with Lcr. Gr. proper. BQMP with Potassic alteration, and Lcr. Gr. with extensive contamination of BQMP. Lcr. Gr. is pink, relatively homogenous, with very few flecks of biotite. Zone ~~417.3 - 419.0 Lcr. Gr. dike with 25-50% BQMP~~						
417			417	420	97			

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		contaminations.						
418		4150- 417.25 and 419.25 - 420.0are BQMP with Potassic alteration and Qtz veins. Where a definite folia- tion is produced.						
419								
420			420	423	100			
421								
		Box 73 421.4 - 427.1 BQMP + Lcr. Gr.						
422		Slightly foliated dark grey to pinkish BQMP. Biotite aligned approx. 30° to C. A. K-spar megacrysts are smaller average 2 cm. Minor propylitic alt.						
423			423	426	100			
424								
minor 425 Propylitic alt.								
426			426	429	93			

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
427								
		Box 74 427.1 - 432.8 BQMP + Lcr. Gr. Pink BQMP weakly foliated with severed dikes from fine grained to pegmatitic. Quartz eyes are not prominant 5 mm. darker colour of same when not altered indicates more qtz in matrix 431.2 - 432.2. 428.0- 430.2 broken ground, broken on foliation planes.						
428								
strong Potassic alt.								
429			429	432	100			
430								
431								
432			432	435	100			
433		Box 75 432.8 - 438.3 BQMP + Lcr. Gr. Pink foliated BQMP is cut by medium to coarser grained Lcr. Gr.→Pegmatitic dikes. K-spar in pegmatites ≈ 10 mm. Small felcks of biotite are also common 434.5-435.0. Altered zones are similar to above. Light pink interspered with K-spar megacryst and biotite phenocrysts, and small qtz fractures.						
Mod. Potassic alt.								
434								
435								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
			435	438	100	Cu, MoS_2			
436									
437									
438			438	441	100				
		Box 76 438.3 - 443.9 BQMP + Lcr. Gr. Light pink and grey from Potassic alt. and Qtz. veins. Lcr. Gr. dikes in this box are medium grained. Several fractures have rusty iron stains indicating a possible fault to surface(?) where tr. Moly occurs is broken and rusted. Mo. occurs at edge of qtz vein.							
439									
rusty fractures									
440									
441			441	444	98	<1, <1	18902	0.02	0.018
442									
rusty stains Mo.									
443									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
444		Box 77 443.9 - 449.7				Cu, MoS_2			
strong Argillic alt.		BQMP + Lcr. Gr.	444	447	100	<1, <1	18903	0.01	0.006
		Similar to above except for .75 m interval of argillic alteration at start of box.							
445		~~Several rusty fractures in the box as well but no significant mineralization.~~							
446									
447			447	450	93				
mod.→strong Potassic alt. 448									
449									
		Box 78 449.7 - 455.1							
450		BQMP + Lcr. Gr.							
		Same general description Pink dikes and pink altered BQMP. Slight tendency for foliation at 30° C.A. due to veining and biotite alignment.	450	453	100				
451									
452									

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
444		Box 77 443.9 - 449.7				Cu, MoS_2			
strong Argillic alt.		BQMP + Lcr. Gr.	444	447	100	$\leq 1, \leq 1$	18903	0.01	0.006
		Similar to above except for .75 m interval of argillic alteration at start of box.							
445		~~Several rusty fractures in the box as well but no significant mineralization.~~							
446									
447			447	450	93				
mod.→strong Potassic alt.									
448									
449									
		Box 78 449.7 - 455.1							
450		BQMP + Lcr. Gr.							
		Same general description Pink dikes and pink altered BQMP. Slight tendency for foliation at 30° C.A. due to veining and biotite alignment.	450	453	100				
451									
452									

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HOLE NO. T-4-81 | PAGE NO. 53

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
453								
			453	456	96			
strong Potassic alt.								
454								
455								
		Box 79 455.1 - 460.6						
		BQMP + Lcr. Gr.						
456		Same general description to 459. Below this Potassic alt. is weaker. BQMP is whiter and includes some very weak argillic alt. Also weak propylitic alt along some Qtz veins.	456	459	100			
457								
458								
459			459	462	100			
Sporadic weak Argillic alt.								
460								
		Box 80 460.6 - 466.1						
461		BQMP + Lcr. Gr.						

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Two types of dikes cut the BQMP. 464.2 and 465.2 are coarse Lcr. Gr. dikes, Pink and 2 cm. wide.						
462		462.2 and 463.1 appears to be porphyritic siliceous dikes. Alkali feldspars are present so it still will be classified Lcr. Gr. but is much greyer.	462	465	100			
		Biotite is still partially foliated and is much higher in total content, up to 40% of BQMP.						
463								
464								
weak Potassic alt. 465								
			465	468	96			
466		Box 81 466.1 - 471.7						
		BQMP + Lcr. Gr.						
		Dark grey with pink zones. Increased Biotite and numerous qtz fractures. Overall less Potassic alt. than previous boxes. Dikes are small and typical, K-spar and qtz.						
467								
468								
Local weak Potassic alt.			468	471	96			
469								
470								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
471								
			471	474	100			
472		Box 82 471.7 - 477.1 BQMP + Lcr. Gr.						
		Light grey to dark grey, no Potassic alt. Dikes are pink medium grained or fine grained and porphyritic. Small qtz fracture occur in last dike.						
473								
474								
			474	477	100			
475								
Propylitic alt.								
476 epy.								
477								
		Box 83 477.1 - 482.0 BQMP + Lcr. Gr.	477	480	100			
		Same general description as above. With several dikelets instead of larger ones.						
478								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
479								
480								
			480	483	100			
481								
482								
		Box 84 482 - 487.4						
		BQMP + Lcr. Gr. + Porphyritic Gr.						
		Complex box of light and dark grey BQMP cut by Qtz						
		veins. Pegmatitic Lcr. Gr. and by porphyritic						
483		Granitic dikes.						
		Dark grey sections of BQMP show good foliation	483	486	100			
		30° → 40° to C.A.						
		K-spar megacrysts still present but reduced in size						
484		and number.						
		Moderate fracturing and minor amounts of broken core.						
485								
486			486	489	96			
487								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
		Box 85 487.4 - 492.2						
488		BQMP + Lcr. Gr.						
		Light grey BQMP cut by light whitish pink Lcr. Gr. Severly fractured and broken ground (location of several days down time due to bit burned into ground)						
489		Weak argillic and weak propylitic 491 - 492 argillic alt. increasing down core.	489	492	86			
		Sand in core. Either cave resulting from 3 days of hammering or part of fault(?), or caused by water loss?						
490								
491								
weak Propylitic alt.								
492		Box 86 492.2 - 497.4	492	495	100			
strong Argillic alt.		BQMP + Lcr. Gr. Extensive argillic alt of BQMP accompanied by zones of propyltic alt. Lcr. Gr. is of the pegmatitic variety, very little foliation.						
493								
494								
495			495	498	100			
496								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
497								
		Box 87 497.4 - 502.9						
		BQMP + Lcr. Gr.						
498		Pervasive weak argillic and sporadic Potassic alt.						
		No major quartz swarms at this level.	498	501	100			
weak Argillic alt.		Generally typical BQMP but with more biotite and less quartz eyes than upper levels. Foliation almost disappeared.						
499								
500								
501			501	504	100			
502								
503		Box 88 502.9 - 508.2						
		Porphyritic Granite Dike + BQMP						
		80% of box is pink porphyritic Granite with Sporadic argillic alt. of plagioclase phenocrysts.						
504		Quartz veins cut the dikes and propylitically altered inclusions of BQMP.	504	507	100			
505								

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TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES - FROM	METRES - TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
506								
507			507	510	100			
Sporadic Argillic alt.								
508								
		Box 89 508.2 - 513.2 BQMP + Porphyritic Granite						
509		Dark grey BQMP 40% biotite. Some foliation. Pink dikes are mostly porphyritic but 510.2 - 511.2 has pegmatitic sections. Trace copper mineralization.						
510			510	513	97			
511								
tr. cpy.								
512								
tr. cpy.								
Potassic alt. Propylitic alt.								
513			513	516	90			

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 60

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y %	EST. GRADE	SAM. NO.	ASSAYS
514		Box 90 513.2 - 519						
		BQMP + PG						
		Dark grey slightly foliated cut by porphyritic granite and pegmatitic granite which are in turn cut by qtz veins.						
515		Weak propylitic alt. around quartz veins.						
weak local Propylitic alt.								
516			516	519	100			
517								
518								
519		Box 91 519 - 524.2	519	522	100			
		BQMP + PG						
520		Similar to above. Light and dark BQMP Porphyritic and Pegimatitic Granite darker BQMP is foliated.						
521								
522			522	525	100			

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 61

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS
523								
524		Box 92 524.2 - 529.4 BQMP + Lcr. Gr.						
525		~~Light grey with pink and white tinges where potassic and/or argillic alteration are present.~~ 528.2 - 528.6 Dark grey foliated BQMP. K-spar megacrysts sub rounded.	525	528	100			
sporadic mod. Potassic alt. and 526 weak Argillic alt.		~~Dikes include pegmatites, fine grained porphyritic siliceous and medium grained pink "typical" Lcr. Gr.~~						
527								
528			528	531	100			
529								
530		Box 93 529.4 - 534.9 Lcr. Gr. + BQMP Pegmatite makes up most of the dike but medium grained K-spar and qtz is interspersed throughout. 30 cm. Qtz vein cuts dike at 532.5. Pyrite is ~~pervasive throughout pegmatite and quartz vein. Chalcopyrite very rare.~~						
531			531	534	100			

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 62

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
		Light grey BQMP has Potassic ält. throughout				Cu,MoS_2			
532									
533									
Py. Mo									
534									
			534	537	100	<.1,<.1	18901	0.06	0.003
535		Box 94 534.9 - 540.7 BQMP							
		Pinkish grey with green and white localized zones. Small zones of weak argillic and weak propylitic alt.							
536									
Pervasive Potassic flooding and alt. Sn?		Potassic flooding occurs at the edges of many qtz. veins but is pervasive throughout the BQMP as well. Brownish mineral associated with epidate, perhaps cassiterite.							
537									
			537	540	94				
Propylitic alt. local Argillic alt.									
538									
539									
540									

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 63

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS
			540	543	100			
		Box 95 540.7 - 546.4						
541		Lcr. Gr + BQMP						
		Whitish pink Lcr. Gr. with zones of Potassicly altered BQMP. Faint foliation 30° - 40° in some of BQMP but not all.						
local Potassic alt. zones 542		Qtz. veins cross cut all the phases but with no significant mineralization.						
543			543	546	100			
544								
545								
weak Argillic alt.								
546			546	549	100			
		Box 96 546.4 - 552.1						
		Lcr. Gr. + BQMP						
547		Complex quartz veining in pegmatite phase of Lcr.Gr. Argillic alt.of BQMP inclusions in dike is intense. Qtz. veins similar to previous holes, i.e. with & without propylitic and/or potassic envelopes are observed but neither has any mineralization.						
strong Argillic alt.								
548								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 64

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
Argillic alt. 549 local Propylitic alt.						Cu, MoS_2			
			549	552	97				
550									
551									
552		Box 97 552.1 - 557.9 BQMP + Lcr.Gr.	552	555	100				
553		Severely altered BQMP. Intense argillic alteration and frequent Qtz. veins. Weak propylitic envelope near 557. Lcr.Gr. is whiter than normal because argillic alt. has changed even the trace amounts of plagioclase in this rock. One trace MoS_2 at 557.8'. Trace cpy.							
554									
strong Argillic alt. 555			555	558	96	<1, <1	18904	0.17	0.01
556									
557 weak propylitic									

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DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 65

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS
Mo. opy.								
558		Box 98 557.9 - 563.8						
		BQMP + Lcr.Gr.	558	561	100			
		Dark grey foliated BQMP. Biotite and feldspars show pronounced foliation. Lcr.Gr. is pink and grey. Pink from alkali feldspars and grey from absorbed contamination of host rock. Some of the inclusions are altered Argillicly and one propylitic envelope cuts the BQMP.						
559								
560								
weak propylitic envelope								
561			561	564	100			
sporadic weak 562 Argillic alt.								
563								
564								
		Box 99 563.8 - 569.7	564	567	100			
Potassic flooding		BQMP + Lcr.Gr.						
565		Quartz veins @ 30° cut BQMP and cause Potassic flooding along stringers. Overall picture is pinkish grey with biotite phenocrysts.						
		Large copper bearing Qtz. vein @ 568.25.						
		Lcr.Gr. is mostly fine to medium grained.						
566								

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 66

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
567									
			567	570	93				
568									
py. cpy.									
569									
		Box 100 569.7 - 575.4							
		Lcr.Gr. + BQMP							
		Pink white dikes cross cutting pink grey BQMP.							
570		Potassic flooding is very strong with sporadic							
		small (5 cm) zones of moderate argillic alt.	570	573	100	<.1,<1	18905	0.08	0.03
		Lcr. Gr. dikes are white to pink							
		fine and medium grained. No Pegmatite.							
571									
Strong 572									
Potassic flooding									
573									
			573	576	100	.1,<1	18906	0.19	0.02
Sporadic cpy									
mod. Argillic alt.									
574									
575									

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 67

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
						Cu, MoS_2			
		Box 101 575.4 - 581							
		BQMP + Lcr.Gr. + Argillite (shale)							
576		BQMP is dark grey slightly foliated but foliation is masked by argillic alt. of feldspars to Kaolinite. K-spar megacrysts are still present but most are rounded and or embayed less than 2 cm. across.	576	579	100	≤1, ≤1	18907	0.05	0.02
577		Three types of Lcr.Gr. are present 575.5 pink white fine grained with chlorite phenocryst which have been altered from biotite.							
578		578 - white aplite							
Argillic alt.									
579 Mo. cpy. Mo.		579.3 - white porphyritic granite with feldspar phenocrysts.	579	582	100	≤1, ≤1	18908	0.06	0.028
580 Mo.		Argillite 580.28 CONTACT. Block shales finely laminated with quartz veins @ 20°, 25°, and 30° to C.A. Foliation has squeezed some of the veins into cusps							
Potassic flooding 581		Foliation is same as in BQMP. Some of the qtz. veins carry trace MoS_2							
		Box 102 581-586.3							
		Argillic + BQMP							
582		Argillic description is the same except that some of the quart veins have altered the shales slightly to a light grey. BQMP above 582 is slightly altered by Potassic flooding.	582	585	100				
583									

TEXASGULF INC. — DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 68

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH. GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS Cu	ASSAYS MoS_2
584						Cu, MoS_2			
		Below 585.5 some propylitic alteration along qtz. veins forms chlorite							
		Trace MoS_2							
585									
			585	588	100	<.1, <.1	18909	0.10	0.03
Propylitic alt.									
586									
		Box 103 586.3 - 592.1							
Mo.		Argillite + BQMP + Lcr.Gr.							
		Similar to the above. Argillite has some brown zone.							
587		590.7 - 591.3 possible Tin (?) mineral.							
		Lcr.Gr. white porphyritic to aplitic dike							
		cut by qtz. vein							
		~~Trace MoS_2 in small qtz. veins.~~							
588 Mo.			588	591	100	<.1, <.1	18910	0.07	0.031
589									
Mo.									
590									
591			591	594	100				
592									

TEXASGULF INC.

DRILL HOLE LOG

HOLE NO. T-4-81 | PAGE NO. 69

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS
		Box 104 592.1 - 597.7						
593		Argillite						
		Basically fine black shales with qtz. veins.						
		Some brown zones and minor argillic alt.						
594		Broken ground 595.2 - 595.6	594	597	83			
Mo.		Small (50 cm) zone of altered BQMP.						
		argillic and propylitic.						
595								
Broken ground		Note: white porphyritic dike @ 593.7 is post						
		qtz. vein, post foliation.						
596								
			597	600	100			
597		Box 105 597.7 - 601.7						
		Argillite						
598		Qtz. veins with trace MoS_2 in some.						
		One porphyritic white dike.						
		End of hole 601.68						
599								
Mo.								
600			600	601.68	100			
601								

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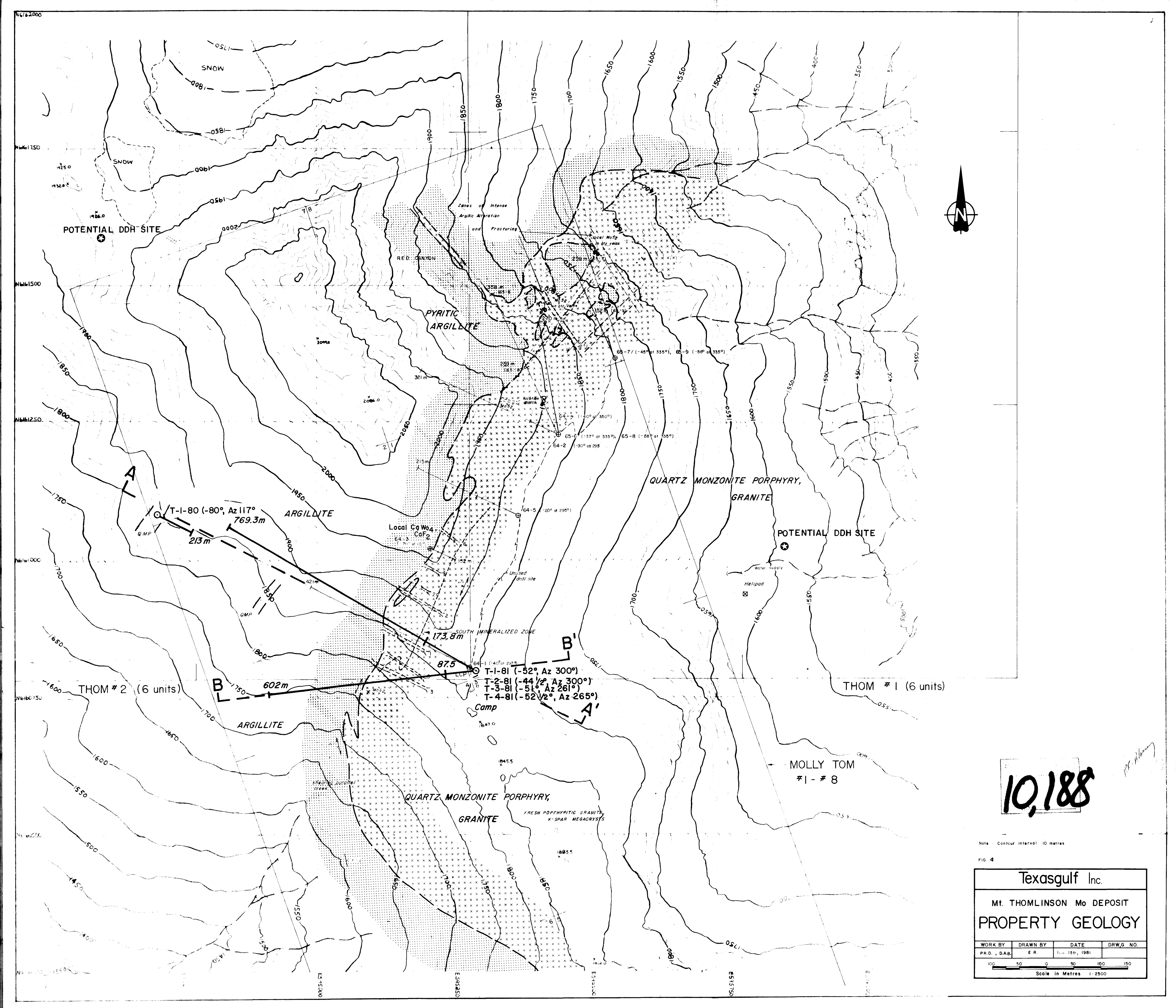
DRILL HOLE LOG

HOLE NO. 1-4-81

PAGE NO. 70

TEXTURE, ALTER'N MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	METRES FROM	METRES TO	REC'Y	EST. GRADE	SAM. NO.	ASSAYS
601.68								

10,188



SNOW
SNOW
POTENTIAL DDH SITE
POTENTIAL DDH SITE
Zones of Intense Argillic Alteration and Fracturing
RED CANYON
PYRITIC ARGILLITE
ARGILLITE
ARGILLITE
QUARTZ MONZONITE PORPHYRY, GRANITE
QUARTZ MONZONITE PORPHYRY, GRANITE
FRESH PORPHYRITIC GRANITE K-SPAR MEGACRYSTS
T-1-80 (-80°, Az 117°
769.3m
213m
602m
173.8m
87.5
SOUTH MINERALIZED ZONE
T-1-81 (-52°, Az 300°)
T-2-81 (-44 1/2°, Az 300°)
T-3-81 (-51°, Az 261°)
T-4-81 (-52 1/2°, Az 265°)
Camp
Helipad
Water supply
Unused drill site
THOM # 2 (6 units)
THOM # 1 (6 units)
MOLLY TOM #1 - # 8
10,188
Note: Contour interval 10 metres
FIG. 4
Texasgulf Inc.
Mt. THOMLINSON Mo DEPOSIT
PROPERTY GEOLOGY
WORK BY P.R.D., D.A.B.
DRAWN BY E.R.
DATE 1981
Scale in Metres 1:2500