

DIAMOND DRILLING



42A05NE8464 24 BRISTOL

010

TOWNSHIP: Bristol

REPORT No.: 24

WORK PERFORMED BY: Texasgulf Canada Ltd.
(Reverse Circulation Overburden Drilling)

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
P 528296	H-81-146	18'	Oct/81	(1)
	H-81-150	32.4'	Oct/81	(1)
P 528297	H-81-158	27'	Nov/81	(1)
P 528304	H-81-160	18.9'	Nov/81	(1)
P 528307	H-81-161	14.7'	Nov/81	(1)
P 528309	H-81-163	unknown	Nov/81	(1)
P 528241	H-81-164	32.7'	Nov/81	(1)
P 528240	H-81-165	unknown	Nov/81	(1)
	H-81-166	12.9'	Nov/81	(1)
P 528239	H-81-167	16.2'	Nov/81	(1)
P 528238	H-81-168	33'	Nov/81	(1)

NOTES: (1) #529-81



42A05NE8464 24 BRISTOL

010C

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Invoice Re: Stripping

Logs of Stripping

SUMMARY OF WORK

Total footage drilled during invoice period - October 16 to November 7, 1981	2,062 feet
Total cost of drilling as per invoices - October 16 to November 7, 1981	33,384.25
Cost per foot - $33,384.25 \div 2,062 =$	16.19
Total Footage submitted -	2,062 feet
Cost of Supervisor plus Sampler	175.00/day
1) Cost of Reverse Circulation Stripping	
2,062 ft. X 16.19 per ft.	33,384.25
2) Cost of Supervisor and Sampler	
for 20 days @ \$175.00 per day	3,500.00
TOTAL CLAIM	36,884.25

Days Claimed @ \$10.00 per day = 3,688 days

RECEIVED

JAN - 4 1982

REPORT ON OVERBURDEN STRIPPING

MINING LANDS SECTION

GENERAL STATEMENT:

During the summer of 1981, Bradley Bros. Limited, was contracted to carry out Reverse Circulation Overburden Stripping. During the contract period of October 16 to November 7, 1981, excluding October 18, 25 and November 1, 1981, they carried out reverse circulation stripping at twenty-one locations in Bristol Township and seven locations in Denton Township.

The equipment consists of a Longyear 38 drill mounted on a Flextrac FN160 with a three hundred gallon water storage tank and a 125 cubic foot/minute compressor.

The water or a mixture of water and air is pumped down the outer tube of the drill rods and returns up the inner tube with the sample. The samples are collected in five gallon pails. The sample interval is determined by the supervisor logging the stratigraphy.

DEPTH MEASURING PROCEDURE:

Stripping is started by piecing together a 30 foot length of drill rod, which when in place has the tri-cone bit resting on the ground surface and the top, where the swivel is attached, is at the top of the tower. When this first length of rods is drilled into the ground to it's full extent, 10 feet of rod is still above ground and 20 feet of rod is measured in the ground. This procedure is continued until 5 feet of bedrock has been stripped. As the rods pass through the different stratigraphy horizons

the footage is noted. The footage is easily noted by counting the number of 20 foot sections added and by noting the position of the rods on the tower which has footage markers every two feet.

SAMPLE COLLECTING PROCEDURE:

A five gallon pail is placed under the return hose with a 4-mesh screen on top. The return is constantly examined to determine the type of material, organic, clay, varved clay, silty clay, sand, gravel, basal-till, boulder, or bedrock.

As each horizon is reached the sample bucket is changed and depending on the type of sample it is either discarded or placed in a heavy plastic bag for treatment in the laboratory. Sample interval is decided by the supervisor on the drill and is usually at 5 to 10 foot intervals when in the same material or at odd intervals when there is a stratigraphic change.

Ray Hood

UNLIMITED
OS. STEA
OLEY
LIMITED

November 15, 1981

CONTRACT DIAMOND DRILLING

Texasgulf Canada Limited
P.O. Box 1140
Timmins, Ontario

HOLE NO.	TO COVER DIAMOND DRILLING FOR		NOV. 1 to 7, 1981		
	FROM	TO	FODTAGE COMPLETED		
<u>Eristol Township</u>					
H81-157	0'	93'	93'		
-158	0'	91'	91'		
-159	0'	42'	42'		
-160	0'	63'	63'		
-161	0'	49'	49'		
-162	0'	30'	30'		
-163	0'	40'	40'		
-164	0'	110'	110'		
-165	0'	32'	32'		
-166	0'	43'	43'		
-167	0'	54'	54'		
-168	0'	147'	147'		
Equipment rental:					
	52½ hours	@	\$150.00	\$7,875	00
Down the hole consumables:					
	4 Tricone bits	@	\$625.00 -	\$2500.00	
	4 bags mud	@	12.50 -	50.00	
				\$2550.00	
		Plus 15%		382.50	
Float rental					
				60	00
				<u>\$10,867</u>	<u>50</u>

SEE TORONTO TRANSMITTAL
FILE NO. 36-81
FOR APPROVAL

Dehead
79-24
R. J. O.

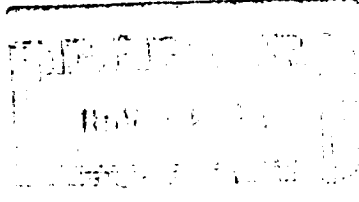
October 31, 1981

LEY

LIMITED

CONTRACT DIAMOND DRILLING

Texasgulf Canada Limited
 P.O. Box 1140
 Timmins, Ontario



HOLE NO.

TO COVER DIAMOND DRILLING FOR Oct. 16 to 31, 1981

FROM TO FOOTAGE COMPLETED

Bristol Township

141	0'	51'	51'
142	0'	82'	82'
143	0'	126'	126'
144	0'	59'	59'
145	0'	55'	55'
146	0'	60'	60'
147	0'	100'	100'
148	0'	89'	89'
149	0'	74'	74'
150	0'	107'	107'
151	0'	112'	112'
152	0'	45'	45'
153	0'	108'	108'
154	0'	71'	71'
155	0'	69'	69'
156	0'	60'	60'

Equipment rental:

98 hours @ \$150.00 \$14,700 00

Down the hole consumables:

10 Tricone bits @ \$625.00 - \$6250.00
 1 adapter 495.00 - 495.00

\$6745.00

Plus 15% 1011.75

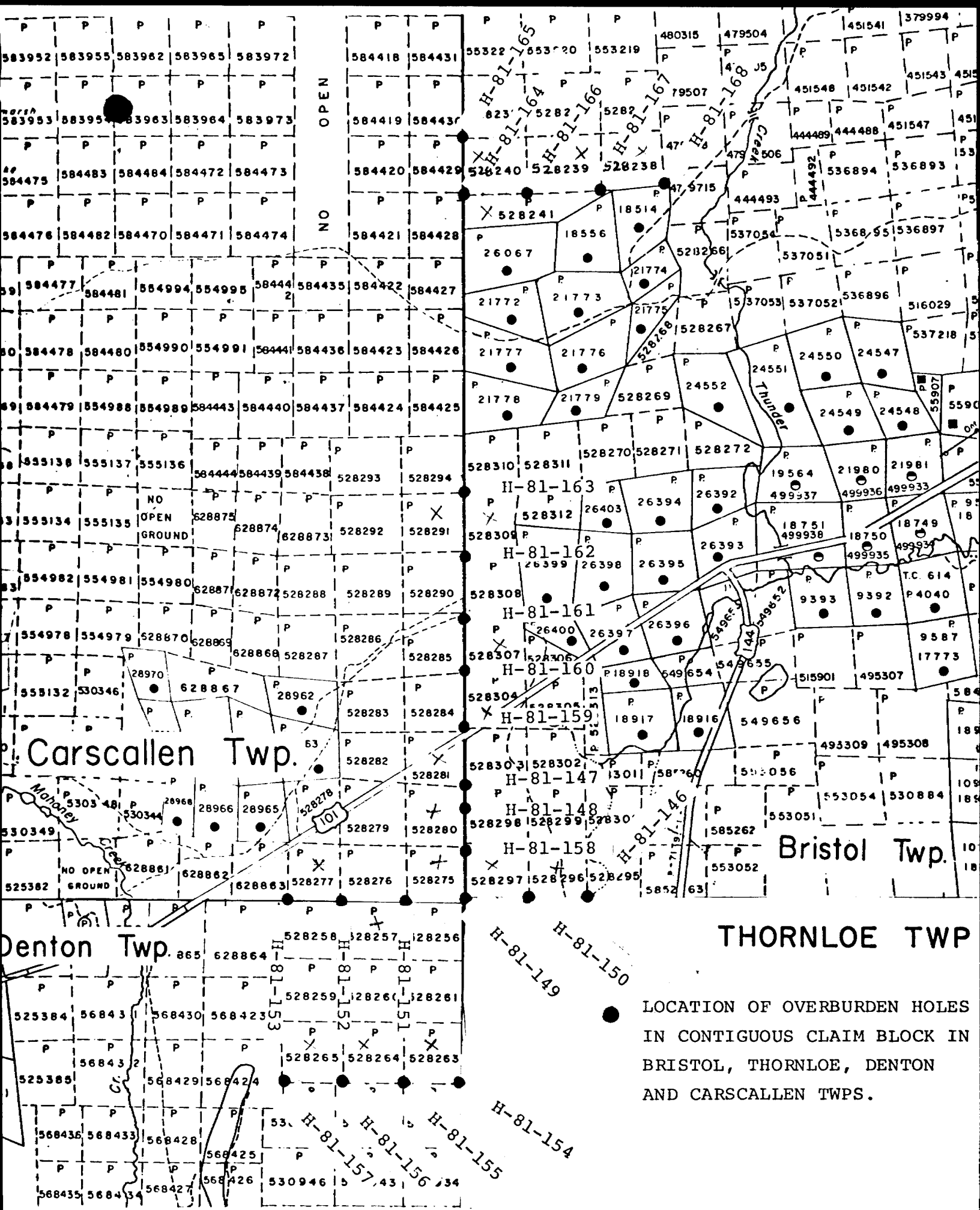
\$7,756 75

60 00

\$22,516 75

Float rental
 TRANSMISSA OFFICE
 107
 SEE TORONTO TRANSMITTAL
 FILE MEMO # 36-87
 FOR APPROVAL

Checked
 Approved
 # 79-224



Carscallen Twp.

Denton Twp.

Bristol Twp.

THORNLOE TWP

LOCATION OF OVERBURDEN HOLES
 IN CONTIGUOUS CLAIM BLOCK IN
 BRISTOL, THORNLOE, DENTON
 AND CARSCALLEN TWPS.

OVERBURDEN DRILL LOG NO. H-81-146

PROJECT Bristol Twp Project DATE October 21, 1981
 TOWNSHIP Bristol LOT CON SAMPLER Jamie Miller

Graphic Log	Sample No.	REMARKS
		Organics
		Varved clay
11.5		
12.5	H-81-146A	Sand
12.0	H-81-146B	Sand and gravel
13.5	H-81-146C	Sand and gravel
15.0	H-81-146D	Sand and gravel
15.5		cobble, sand and gravel
16.2	H-81-146E	Bedrock, medium to dark green, fine grained rock with some minor quartz veinlets
16.0		

H-81-146
 Bristol Twp.
 Pos: #2
 Claim 528296

OVERBURDEN DRILL LOG NO. H-81-150

PROJECT Bristol Twp Project DATE October 23, 1961
 TOWNSHIP Bristol LOT 12 CON I SAMPLER Jemie Walker

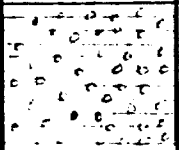

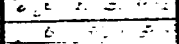
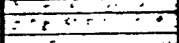
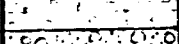
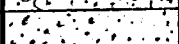
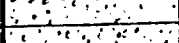

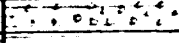
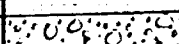
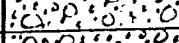
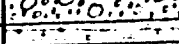
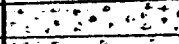
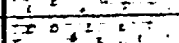
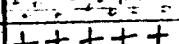
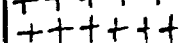
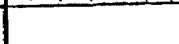
Graphic Log	Sample No.	REMARKS
		Organics
1.5		No return
3.0	H-81-150A	Fine sand and minor clay
9.0	H-81-150B	Fine sand and minor clay
10.5	H-81-150C	Fine sand and clay
14.7		Sand and gravel
15.0	H-81-150D	Sand and gravel
16.5		Boulder - light green volcanic
16.8	H-81-150E	Till
18.0	H-81-150F	Sandy till
19.5	H-81-150G	Clay till
21.0		Boulder - granite
21.2	H-81-150H	Clay till
22.5	H-81-150I	Clay and sand till
24.0	H-81-150J	Clay till
25.5	H-81-150K	Cobble, sand and gravel
27.0	H-81-150L	Cobble, sand and gravel
30.5		Boulder - white granite
31.4		Cobble, sand and gravel
32.7	H-81-150M	Till
34.5		Bedrock - clayed
35.9	H-81-150 PARK	Bedrock - medium green, fine grained rock, some silicification along minor quartz veinlets - minor white
32.4		

H-81-150
 Bristol Twp.
 Post #3
 Claim 52B296

Analysis (H.M.)

OVERBURDEN DRILL LOG NO. H-81-158

PROJECT Bristol Twp Project DATE November 2, 1981
 TOWNSHIP Bristol Twp LOT 12 CON I SAMPLER Jamie Walker

Graphic Log	Sample No.	REMARKS
		2.1 Soft varved clay
	H-81-158A	6.6 Till
	H-81-158B	10.5 Till
	H-81-158C	11.4 Clay till
		12.0 Clay till
		12.9 Till
	H-81-158D	13.5 Till
		14.4 Cobble, sand and gravel
	H-81-158E	15.0 Sand and gravel
	H-81-158F	16.5 Sand and gravel
		18.0 Till
	H-81-158G	18.9 Grey clay
	H-81-158H	19.5 Cobble, sand and gravel
	H-81-158I	21.0 Cobble, sand and gravel
		21.9 Till
	H-81-158J	22.5 Till
		23.4 Clay till
	H-81-158K	24.0 Clay till
+++++		25.2 Bedrock - medium green, fine grained rock with some dark material - some minor quartz carbonate veinlets with pink calcite and pale green alteration along contacts
+++++		27.0

H-81-158
 Bristol Twp
 Approx 330m North of the corners of
 Bristol-Carscallen-Thornelope-Denton Twp.
 Claim 528297

Analysis (H.M.)

OVERBURDEN DRILL LOG NO. H-81-160

PROJECT Bristol Twp. Project DATE November 3, 1981
 TOWNSHIP Bristol LOT 11 CON I SAMPLER Jamie Walker

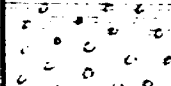
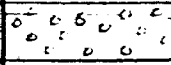
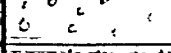
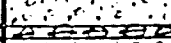
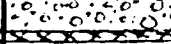
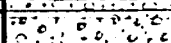
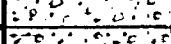
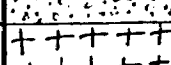
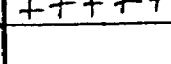
Graphic Log	Sample No.	REMARKS
1.5	H-81-160A	Clay till
2.5	H-81-160B	Clay till
3.0	H-81-160C	Clay till
4.5	H-81-160D	Clay till
5.5	H-81-160E	Clay till
6.5	H-81-160F	Cobble and clay till
7.2	H-81-160G	Clay till
7.5		Boulder-dark volcanic
8.0	H-81-160H	Clay till
8.5		Cobble and clay till
9.0	H-81-160I	Cobble
9.5		Till
10.0	H-81-160J	Clay till
10.9	H-81-160 Bdkk	Bedrock - dark green fine grained slightly foliated rock, with some silicification and minor pyrite

H-81-160
 Bristol Twp
 Post # 4
 Claim 528304
 Approx. 500m North of H-81-159

Analysis (H.M.)

OVERBURDEN DRILL LOG NO. H-81-161

PROJECT Bristol Twp Project DATE November 9, 1981
 TOWNSHIP Bristol LOT 12 CON II SAMPLER Jamie Walker

	Graphic Log	Sample No.	REMARKS
			Noreturn
1.8		H-81-161A	Clay till
4.5		H-81-161E	Till with some clay till
6.0		H-81-161C	Clay till
7.5		H-81-161D	Sand and clay till
8.7			cobble till
9.0		H-81-161E	sand and clay till.
9.9			Shoulder - dk. green volcanic sand and clay till
10.2			
10.6		H-81-161F	Sand and clay till with layers of sand and gravel
12.0		H-81-161G	Sand and clay till
13.0	+++++	H-81-161	Bedrock - dark green or grey, fine grained, slightly foliated rock with minor py and minor quartz veinlets
14.7	+++++	BDRK	

H-81-161
 Bristol Twp
 Post #4
 Claim 528307

Analysis (H.M.)

OVERBURDEN DRILL LOG NO. H-81-163

PROJECT Bristol Twp Project DATE November 5, 1981
 TOWNSHIP Frisco LOT 12 CON II SAMPLER Jon C Walker

Graphic Log	Sample No.	REMARKS
		Organics
	H-81-163A	Brown clay till
	H-81-163B	Brown clay till
	H-81-163C	clay till
	H-81-163D	clay till
	H-81-163E	Till
	H-81-163F	Clay till
+++++		Bedrock - medium to dark green foliated rock with some minor purple quartz veins
+++++		

H-81-163
 Bristol Twp.
 Post # 4
 Claim 528309

Analysis (H.M.)

OVERBURDEN DRILL LOG NO. H-81-164

PROJECT Bristol Twp. Project DATE November 5, 1991
 TOWNSHIP Bristol LOT 12 CON IV SAMPLER Janic 26'er

Graphic Log	Sample No.	REMARKS
		Organics
12	H-81-164A	Clay till
30		Till
35	H-81-164B	Clay till
60	H-81-164C	Clay till
75	H-81-164D	Clay till
90	H-81-164E	Clay till
105	H-81-164F	Clay till
115		Clay till
120	H-81-164G	Clay till
35	H-81-164H	Clay till
50	H-81-164I	Clay till
165		Increasing amounts of clay
180	H-81-164J	Grey and white clay
195		Sand and gravel
210	H-81-164K	Sand and gravel
240	H-81-164L	Sand and gravel
249		Clay till
255	H-81-164M	Clay till
257		Grey clay
260	H-81-164N	Grey clay
265	H-81-164O	Grey clay and clay till
270		
285	H-81-164P	Clay till
285	H-81-164Q	Clay till
300	H-81-164R	Clay till
310	H-81-164	Bedrock - dark green, fine grained rock, highly weathered
317	P-112K	to brown

H-81-164
 Bristol Twp
 Post #4
 Claim 528241

OVERBURDEN DRILL LOG NO. H-81-166

PROJECT Bristol Twp. Project DATE November 6, 1981
TOWNSHIP Bristol LOT CON SAMPLER Jamie Walker

Graphic Log	Sample No.	REMARKS
0.9		ORGANICS
	H-81-166A	
3.0		
	H-81-166B	
4.5		
	H-81-166C	
6.0		
	H-81-166D	
7.5		
	H-81-166E	
9.0		
	H-81-166F	
10.5		
	H-81-166G	
11.5		
12.9	H-81-166 BRL.	

H-81-166
Bristol Twp.
Post #2
Claim 528240

Analysis (H.M.)

OVERBURDEN DRILL LOG NO. H-81-167

PROJECT Environ. Imp. Project DATE November 6, 1981
TOWNSHIP Bristol LOT CON SAMPLER Tamie Walker

Graphic Log	Sample No.	REMARKS
0.9		Organics
	H-81-167A	
4.5		
	H-81-167B	
7.5		
	H-81-167C	
10.5		
	H-81-167D	
14.4		
16.2	H-81-167 D.R.K.	

H-81-167
Bristol Twp.
Post # 2
Claim 520239

Analysis (H.M.)

OVERBURDEN DRILL LOG NO. H-81-168

PROJECT Final Test Project DATE November 6, 1981
 TOWNSHIP Bristol LOT CON SAMPLER Jannie Walker

Graphic Log	Sample No.	REMARKS
06		Organics
	H-81-168A	
15		
	H-81-168E	
60		
	H-81-168C	
90		
	H-81-168D	
120		
	H-81-168F	
150		
	H-81-168F	
180		
	H-81-168G	
195		
	H-81-168H	
210		
	H-81-168J	
225		
	H-81-168J	
240		
	H-81-168K	
255		
	H-81-168L	
270		
	H-81-168M	
285		
	H-81-168N	
300		
	H-81-168O	
315		
	H-81-168P	
330		
	H-81-168 Sludge	Very soft, brown extremely weathered
	Very poor chip sample	

H-81-168
 Bristol Twp.
 Post #2
 Claim 528238

Analysis (H.M.)