3

REVERSE CIRCULATION
OVERBURDEN DRILLING
REPORT
MATHESON TOWNSHIP
42-A-10

Claim Numbers

P515771	P528394
P515772	P528395
P515773	P525298
P515774	P525299
P515844	P528386
P515845	P528387
P528392	P528390
P528393	

REPORT ON OVERBURDEN SAMPLING

GENERAL STATEMENT:

During the summer of 1979, Bradley Bros. Limited, was contracted to carry out Reverse Circulation Overburden Drilling. During the contract period of August 1 to 31, 1979, and specifically on August 15 to 18, they drilled the five holes herein reported in Matheson 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:

A hole is started by peicing 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 drilled. As the rods pass through the different stratigraphic 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.

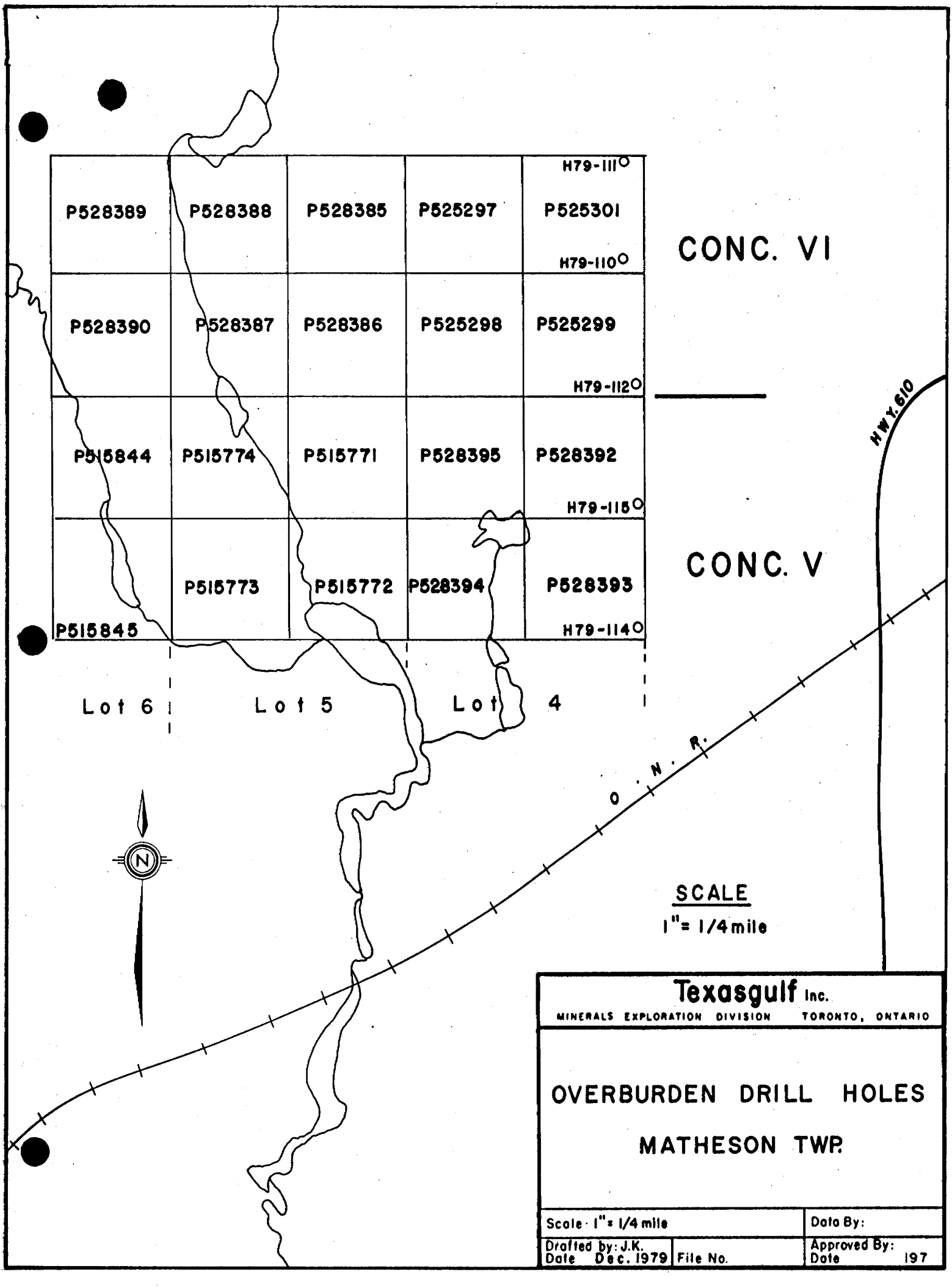
SAMPLE COLLECTING PROCEDURE:

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.

Gary L. Peterson

Qualifications 2.2817


H79-111
P528389
P528388
P528385
P525297
P525301
H79-110
CONC. VI
P528390
P528387
P528386
P525298
P525299
H79-112
P515844
P515774
P515771
P528395
P528392
H79-115
CONC. V
P515773
P515772
P528394
P528393
P515845
H79-114
Lot 6
Lot 5
Lot 4
HWY. 610
O.N.R.
N
SCALE
1"= 1/4 mile
Texasgulf Inc.
MINERALS EXPLORATION DIVISION TORONTO, ONTARIO
OVERBURDEN DRILL HOLES
MATHESON TWP.
Scale · 1"= 1/4 mile
Data By:
Drafted by: J.K.
Date Dec. 1979
File No.
Approved By:
Date 197

OVERBURDEN DRILL LOG No. H-79-110

PROJECT Matheson Gold #82 DATE August 15, 1979

TOWNSHIP Matheson LOT 3 CON VI SAMPLER M. McCormick

Graphic Log	Sample No.	REMARKS
0		
0.6		Humus
		Buff Varved Clay
3.0		
		Grey Varved Clay
5.1		
7.0	H-79-110A	Clay, Sand & Gravel Till - Small Granitic Boulder
	H-79-110B	Clay, Sand & Gravel Till - Small Granitic Boulder
	H-79-110C	Clay, Sand & Gravel Till - Small Granitic Boulder
	H-79-110D	Clay, Sand & Gravel Till - Small Granitic Boulder
12.4	H-79-110E	Gritty Grey Clay, Sand & Gravel Till - ~30% Small Rhyolite Boulder
14.3	H-79-110F	Gritty Grey Clay, Sand & Gravel Till ~30% Small Rhyolite Boulder
16.1	H-79-110G	Sand & Gravel Till - Small Granite Boulders
17.1	H-79-110H	Sand & Gravel & Clay Till
		Sand & Gravel & Clay Till
21.1	H-79-110I	Diabase Boulder
22.3		Grey Pebbly Silty Clay
		Biotite Granite Boulder
23.1	H-79-110J	Grey Pebbly Silty Sand Till
	H-79-110K	Grey Pebbly Silty Sand Till - With Small Boulders (< 0.25ft)
25.4	H-79-110L	Grey Pebbly Silty Sand Till - With Small Boulders (< 0.25ft)
26.5		Gravel
27.1		Biotite Granite Boulder
27.7		BEDROCK - Migmatite
29.2		

H-79-110
Lot 3; Con VI

Analysis (H. M.)

OVERBURDEN DRILL LOG No. H-79-111

PROJECT Matheson Gold #82 DATE August 16, 1979

TOWNSHIP Matheson LOT 3 CON VI SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
		Muskeg
		Varved Clay
	H-79-111A	Grey Pebbly Silty Sand Till
	H-79-111B	Grey Pebbly Silty Sand Till
		Rhyolite Boulder
		Grey Pebbly Silty Sand Till
	H-79-111C	Granite Boulder
		Grey Pebbly Silty Sand Till
	H-79-111D	Grey Pebbly Silty Sand Till
		Dark Grey Silty Clay
		BEDROCK - Rhyolite

H-79-111
Lot 3; Con VI

Analysis (H. M.)

OVERBURDEN DRILL LOG No. H-79-112

PROJECT Matheson Gold #82 DATE August 16, 1979

TOWNSHIP Matheson LOT 6 CON IV SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
0		Muskeg
1.5		
3.6		Grey-Brown Varved Clay
5.1		Grey Varved Clay
		Grey Varved Clay
7.6		Grey Pebbly Silty Sand Till
9.1	H-79-112A	Biotite Granite Boulder
9.6		Grey Pebbly Silty Sand Till
11.6		
	H-79-112B	Grey Pebbly Silty Sand Till
13.4		
	H-79-112C	Grey Pebbly Silty Sand Till-With Small Boulders < 0.25ft.
16.1		
	H-79-112D	Grey Pebbly Silty Sand Till-With small Boulders < 0.25ft.
17.1		
17.3		Granite Boulder
	H-79-112E	Grey Pebbly Silty Sand Till
21.0		Rhyolite Boulder
21.3		Grey Pebbly Silty Sand Till
21.6		
	H-79-112F	Grey Pebbly Silty Sand Till - Some Clay 20%
34.0		
		BEDROCK
35.6		

Analysis (H. M.)

H-79-112
Lot 4; Con VI

OVERBU[illegible]N DRILL LOG Nº. H-[illegible] 114

PROJECT Matheson Gold #82 DATE August 17, 18/79

TOWNSHIP Matheson LOT 4 CON V SAMPLER Bill Quesnel

Depth	Graphic Log	Sample Nº.	REMARKS
0			Muskeg (No Return)
1.5			Brown Oxidized Clay
3.3			Grey-Brown Varved Clay
5.1			Grey-Brown Vaved Clay
9.1		H-79-114A	Grey Pebbly Silty Sand Till
9.7			Biotite Granite Boulder
10.0			Grey Pebbly Silty Sand Till
10.6		H-79-114B	Grey Pebbly Silty Sand Till
13.7		H-79-114C	Grey-Brown Pebbly Sand Till
16.1		H-79-114D	Sandy Gravel
18.8		H-79-114E	Sandy Gravel
21.6			Granite Boulder
21.9		H-79-114F	Gravel
22.4			BEDROCK Granite with some pyrite – slightly schistose
24.3			

H-79-114
Lot 4, Con V

Analysis (H. M.)		

OVERBURDEN DRILL LOG No. H-79-115

PROJECT Matheson Gold #82 DATE August 18, 1979

TOWNSHIP Matheson LOT 4 CON V SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
		Muskeg
		Brown Oxidized Clay
		Grey-Brown Varved Clay
		Grey-Brown Varved Clay
	H-79-115A	Grey Pebbly Silty Sand Till
	H-79-115B	Grey Pebbly Silty Sand Till With Small Boulders
	H-79-115C	Grey Pebbly Silty Sand Till With Small Boulders
		BEDROCK - Siliceous Argillite

H-79-115

Lot 4, Con V

Analysis (H. M.)									
Cu	Pb	Zn	Ni	Au	Ag			Wt	Remarks

REVERSE CIRCULATION
OVERBURDEN DRILLING
REPORT
MATHESON TOWNSHIP
42-A-10

Claim Numbers

P528351	P528360
P528352	P528361
P528353	P528362
P528354	P528363
P528355	P528366
P528356	P528367
P528359	P528368
	P528369

REPORT ON OVERBURDEN SAMPLING

GENERAL STATEMENT:

During the summer of 1979, Bradley Bros. Limited, was contracted to carry out Reverse Circulation Overburden Drilling. During the contract period of August 1 to 15, 1979 and specifically on August 7, to 10, excluding ½ day on August 7, they drilled the nine holes herein reported in Matheson 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.

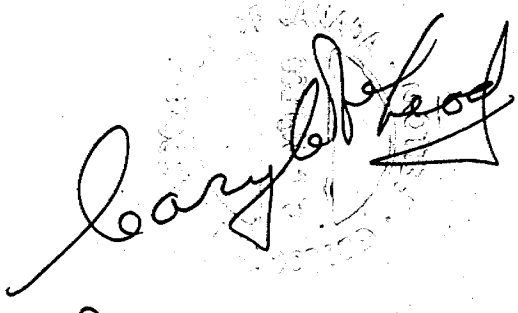
DEPTH MEASURING PROCEDURE:

A hole is started by peicing 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 drilled. As the rods pass through the different stratigraphic 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.



Qualifications 2-2817

CONC. VI

CONC. V

P528370	P528365	P528364	P528358	P528357	P528350 H79-104
P528369	P528366	P528363	P528359	P528356	P528351 H79-103 H-79-102
P528368	P528367	P528362	P528360	P528355	P528352 H79-101 H79-100 H79-99
			P528361	P528354	P528353 H79-98 H79-97 H79-96

Lot 9 | Lot 8 | Lot 7

N

Bush road

O.N.R.

Hwy. 610

Texasgulf Inc.

MINERALS EXPLORATION DIVISION TORONTO, ONTARIO

OVERBURDEN DRILL HOLES

MATHESON TWP.

SCALE

1" = 1/4 mile

Scale: 1" = 1/4 mile		Data By:
Drafted by: J.K. Date Dec 1979	File No	Approved By: Date 197

OVERBURDEN DRILL LOG No. H-79-96

PROJECT _____ DATE Aug 7, 1979

TOWNSHIP Matheson LOT VI CON 5 SAMPLER Mark McCormick

Graphic Log	Sample No.	REMARKS
		Humus
		Buff Clay
		Grey Varved Clay
	H-79-96A	Gravel Till With Gritty Clay (20-30%)
	H-79-96B	Gravel Till With Gritty Clay (20-30%)
	H-79-96C	Gravel Till With Gritty Clay (20-30%)
	H-79-96D	Gravel Till With Gritty Clay (20-30%)
	H-79-96E	Sand & Gravel Till - Grey Gritty Clay ~30%
		Boulder, Argillaceous Andesite With Disseminated Pyrite
	H-79-96F	Sand & Gravel Till With Greenish Clay 10-20%
	H-79-96G	Sand & Gravel Till With Increasing Green Clay Content ~60%
	H-79-96H	Sand & Gravel Till With Increasing Green Clay Content
		BEDROCK -

H-79-96
Lot VI; Con 5

OVERBURDEN DRILL LOG No. H-79-97

PROJECT

DATE August 8, 1979

TOWNSHIP Matheson LOT 6 CON V SAMPLER Mark McCormick

Graphic Log	Sample No.	REMARKS
3'		~~Humus~~
		Sand & Gravel Till
		Grey Clay
9.4		Rhyolite Boulder With Disseminated Pyrite
10.0	H-79-97A	Grey Gritty Clay Sand & Gravel Till ~ 15%
11.5	H-79-97B	Grey Gritty Clay Sand & Gravel Till ~ 15%
13.1	H-79-97C	Grey Gritty Clay Sand Till ~5-10% Till Diminishes to Almost Nil
14.4	H-79-97D	Sand & Gravel Till- Grey Gritty Clay Ranges
16.1 16.4	H-79-97E	Boulder-Rhyolite With Disseminated (From 20-60% Pyrite
17.3		Sand & Gravel Till
18.2		BEDROCK

H-79-97
Lot 6; Con V

Analysis (H. M.)

OVERBURD DRILL LOG Nº. ~~H-79-98~~

PROJECT Matheson Gold #82 DATE August 8/9, 1979

TOWNSHIP Matheson LOT 6 CON V SAMPLER Mark McCormick
Bill Quesnel

Graphic Log	Sample Nº.	REMARKS
0		Humus
		Grey Clay
10.2 / 11.2		Leucocratic Granite Boulder
	H-79-98A	Sand & Gravel Till
13.1		Sand & Gravel Till
	H-79-98B	Sand & Gravel Till
14.3	H-79-98C	Sand & Gravel Till-Green Clay & Silt Lenses
16.4		Brown Clay on Top of Bedrock
		BEDROCK
30.4		

H-79-98
Lot 6; Con V

Analysis (H. M.)

OVERBURDEN DRILL LOG No. H-79-99

PROJECT

DATE August 8, 1979

TOWNSHIP Matheson LOT 6 CON V SAMPLER Mark McCormick

Graphic Log	Sample No.	REMARKS
		Humus
		Buff Clay
		Grey Clay
5.1		
	H-79-99A	Clay and Sand & Gravel Till
6.7	H-79-99B	Clay & Sand & Gravel Till
9.2		BEDROCK -

H-79-99
Lot 6; Con V.

Analysis (H. M.)

OVERBURD. DRILL LOG Nº. H-79-100

PROJECT Matheson Gold #82 DATE August 9, 1979

TOWNSHIP Matheson LOT 6 CON V SAMPLER Bill Quesnel

Graphic Log	Sample Nº.	REMARKS
		Organics
		Blue-Grey Varved Clay
		Blue-Grey Varved Clay
	H-79-100A	Pebbly Clay Till
		BEDROCK -

H-79-100
Lot 6; Con V

Analysis (H. M.)

OVERBUR. DRILL LOG No. H-79-101

PROJECT Matheson Gold #82 DATE August 9, 1979

TOWNSHIP Matheson LOT 6 CON V SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
		No Return (Muskeg)
		Blue-Grey Varved Clay
		Blue-Grey Varved Clay
		Blue-Grey Varved Clay
	H-79-101A	Gravel Grey Silty Sand Till
	H-79-101B	Grey Silty Sand Till
		BEDROCK +

H-79-101
Lot 6; Con V

Analysis (H. M.)

OVERBURDEN DRILL LOG No. H-79 102

PROJECT Matheson Gold #82 DATE August 9, 1979

TOWNSHIP Matheson LOT 6 CON VI SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
		No Return (Muskeg)
		Blue-Grey Varved Clay
		Blue-Grey Varved Clay
		Small Boulders
15.7		BEDROCK -

H-79-102
Lot 6; Con VI

Analysis (H.M.)

OVERBURDEN DRILL LOG No. H-79-103

PROJECT Matheson Gold #82 DATE August 9, 1979

TOWNSHIP Matheson LOT VI CON 6 SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
		No Return (Muskeg)
		Blue-Grey Varved Clay
		Blue-Grey Varved Clay
		Blue-Grey Varved Clay
?		Gravel BEDROCK - [illegible]

H-79-103
Lot 6, Con VI

Analysis (H. M.)