2.3159

010

REVERSE CIRCULATION

OVERBURDEN DRILLING

MATHESON TOWNSHIP

Claim Numbers

P528330	P528340	P528404
P528331	P528341	P528405
P528332	P528342	P528406
P528333	P528343	P528407
P528334	P528344	P528408
P528335	P528345	P528371
P528336	P528346	P528372
P528337	P528347	P528373
P528338	P528348	P525091
P528339	P528349	

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 July 15 to August 15, 1979, and specifically on July 25, to August 3, excluding July 28 and 29, they drilled the eleven 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.

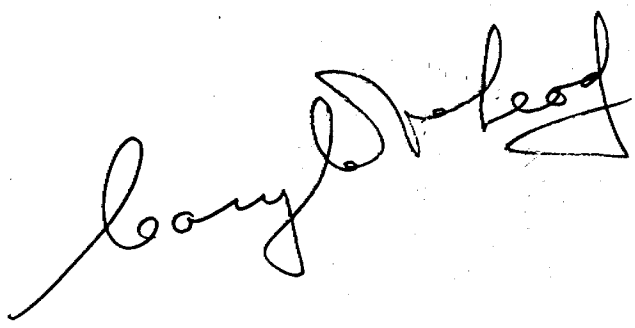
DEPTH MEASURING PROCEDURE:

A hole is started be 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.

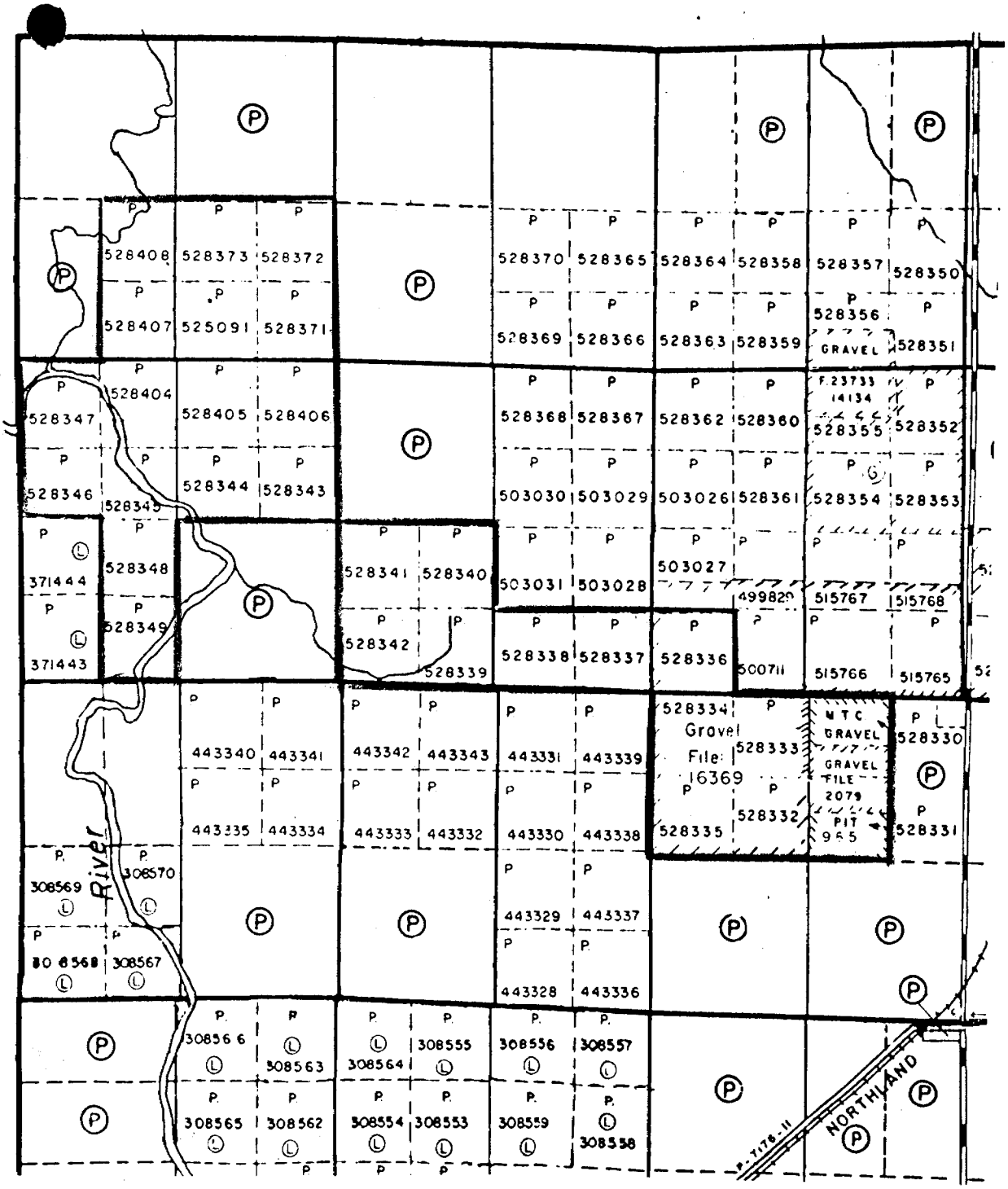
SAMPLE COLLECTING PROCEDURE:

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.



N.W. Corner MATHESON TWP.



Lot 12 | Lot 11 | Lot 10 | Lot 9 | Lot 8 | Lot 7

Location of claim group in Matheson Twp.

N

Scale: 1" = ½ mile

OVERBURDEN DRILL LOG No. H-79-84

PROJECT Matheson Twp DATE July 24, 1979

TOWNSHIP Matheson LOT 7 CON V SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
		Organics
		Brown Oxidized
	H-79-84A	Grey Pebbly Silty Sand Till
	H-79-84B	Grey Pebbly Silty Sand Till
		Grey Pebbly Silty Sand Till
	H-79-84C	Grey-White Blocky Sandy Silt Till (Some pebbles)
		Metavolcanic boulder
	H-79-84D	Grey-White Pebbly Sand Till - Trace of Silt
	H-79-84E	Grey Pebbly Silty Sand Till
	H-79-84F	Grey Pebbly Silty Sand Till
	H-79-84G	Grey Pebbly Silty Sand Till
	H-79-84H	Grey Pebbly Silty Sand Till
	H-79-84I	Grey Pebbly Silty Sand Till
	H-79-84J	Yellow-Brown Pebbly Sand Till
		Rhyolite Boulder
		Yellow-Brown Pebbly Sand Till
	H-79-84K	Yellow-Brown Pebbly Sand Till
	H-79-84L	Grey Pebbly Sand Till - Some Silt (20%)
		Grey Pebbly Sand Till - Some Silt
	H-79-84M	Biotite Granite Boulder
		Grey Pebbly Sand Till - Some Silt
	H-79-84N	Grey Pebbly Sand Till - Some Silt
	H-79-84O	Grey Pebbly Sand Till - Some Silt
	H-79-84P	Sandy Gravel
	H-79-84Q	Sandy Gravel
	H-79-84R	Sandy Gravel
	H-79-84S	Sandy Gravel
	H-79-84T	Sandy Gravel
		BEDROCK

H-79- 84
Lot 7, Con 5
Matheson Twp

Analysis (H. M.)

OVERBURDEN DRILL LOG No. H-79-85

PROJECT Matheson Twp. DATE July 25, 1979

TOWNSHIP Matheson LOT 8 CON V SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
		Organics
		Brown Oxidized Clay
	H-79-85A	Brown-White Pebbly Silty Sand Till
	H-79-85B	Grey Pebbly Sand Till With Some Silt
	H-79-85C	Grey Pebbly Sand Till With Some Silt
	H-79-85D	Grey Silt Till With Some Clay
	H-79-85E	Biotite Granite Boulder Grey Blcoky Silty Clay Till
	H-79-85F	Grey Brown Pebbly Sand Till
	H-79-85G	Grey Brown Pebbly Sand Till
	H-79-85H	Grey Pebbly Silty Clay Till
	H-79-85I	Grey Brown Pebbly Sand Till
	H-79-85J	Grey Brown Pebbly Sand Till
	H-79-85K	Grey Brown Pebbly Sand Till
	H-79-85L	Grey Brown Pebbly Sand Till
	H-79-85M	Grey Brown Pebbly Sand Till - Some Silt
	H-79-85N	Grey Brown Pebbly Sand Till - Some Silt
	H-79-85O	Grey Brown Pebbly Sand Till - Some Silt
	H-79-85P	Grey Brown Pebbly Sand Till - Some SIlt
	H-79-85Q	Light Brown Fine Grained, Uniform Sand
	H-79-85R	Light Brown Fine Grained, Uniform Sand
	H-79-85S	Light Brown Fine Grained, Uniform Sand
	H-79-85T	Light Brown Fine Grained, Uniform Sand
	H-79-85U	Gravel

H-79-85 (Page 1)
Lot 8, Con V

Analysis (H. M.)

OVERB[illegible]EN DRILL LOG Nº. H-79-85 [illegible]ge 2)

PROJECT	Matheson Twp	DATE	July 25, 1979
TOWNSHIP		LOT 8 CON V	SAMPLER ~~Bill Quesnel~~

Graphic Log	Sample Nº.	REMARKS
	H-79-85V	Gravel Boulder Till Bedrock *Limonite Stained Mafic* *Volcanic - Schistose*

H-79-85 (Page2)
Lot 8, Con V

Analysis (H. M.)

OVERBURDEN DRILL LOG No. H-79-86

PROJECT Matheson Twp. DATE July 26, 1979

TOWNSHIP Matheson LOT 5 CON VIII SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
0		Interbedded Organics & Clay Layers
.9		
		Grey Silty Clay
5.1		
		Grey Silty Clay
7.0		
	H-79-86A	Light Brown Pebbly Sand Till
7.9		
	H-79-86B	Light Brown Pebbly Sand Till
10.6		
10.9	H-79-86C	Light Brown Pebbly Sand Till
		Brown, Fine to Medium Grained Uniform Sand
12.4		
13.1	H-79-86D	Brown, Fine to Medium Grained Uniform Sand
		Light Brown Pebbly Sand Till
14.2	H-79-86E	Grey Silty Clay Till With Some Pebbles(10%)
14.9		Biotite Granite Boulder
15.3		
		Blue-Grey Varved Clay
17.2		
	H-79-86F	Brown Medium Grained Uniform Sand
21.5		
21.6	H-79-86G	Gravel
		Gravel
23.4		
	H-79-86H	Gravel
25.2		
	H-79-86I	Gravel
27.1		
	H-79-86J	Interbedded Sand & Gravel
28.9		
	H-79-86K	Interbedded Sand & Gravel
30.7		
	H-79-86L	Interbedded Sand & Gravel
32.6		
33.2		Boulder Till (Rhyolite Boulder)
33.5		Sandy Gravel
33.8		Metavolcanic Boulder
34.1		
34.7		BEDROCK -
35.0		
35.6		

? Lapilli -

33.8 - 34.1 - Tuff (?) Metamorphosed

(BR-1) - Slightly foliated

34.1 - 35.6 - Rhyolite

(BR-2) - (Porphyritic)

Weak alteration Rhyolite

Core 1 ft (34.7 - 35.0)

H-79- 86
Lot 5, Con VIII

Analysis (H. M.)

OVERBURDEN DRILL LOG No. H-79-87

PROJECT _____ DATE July 26, 27/79

TOWNSHIP Matheson LOT 9 CON V SAMPLER Bill Quesnel & Mike Martel

Graphic Log	Sample No.	REMARKS
		Organics
		Brown Oxidized Clay
		Grey Silty Clay - Some Pebbles
		Blue-Grey Varved Clay
		Blue-Grey Varved Clay
	H-79-87A	Sand & Gravel Till (July 27/79)
	H-79-87B	Sand, Silt and Gravel Till
	H-79-87C	Sand, Silt and Gravel Till
	H-79-87D	Sand, Silt and Gravel Till
		Pebbly Till
	H-79-87E	Sandy Till
	H-79-87F	Sandy Till
	H-79-87G	Sandy Till
	H-79-87H	Sand & Gravel Till
	H-79-87I	Sand & Gravel Till
	H-79-87J	Rhyolite Boulder Gravel Till Small Rhyolite Boulder Gravel Till
		Gravel Till
		BEDROCK

H-79-87

Lot 9; Con V

Analysis (H. M.)

OVERBURDEN DRILL LOG No. H-79-88

PROJECT _____ DATE July 27 & 28, 1979

TOWNSHIP Matheson Twp. LOT 9 CON V SAMPLER Mike Martel

Graphic Log	Sample No.	REMARKS
		No Return
	H-79-88A	Sand & Gravel Till
	H-79-88B	Sand & Gravel Till
	H-79-88C	Sand & Gravel Till
		Sand & Gravel Till
	H-79-88D	Dark Grey Clay
		Sand & Gravel Till
	H-79-88E	Pebbly Till
	H-79-88F	Pebbly Till And Grey Silty Clay & Sand
	H-79-88G	Sandy Till
	H-79-88H	Sandy Till
	H-79-88I	Grey Silty Clay (June 28/79) Gravel Till And Grey Silty Clay
	H-79-88J	Grey Silty Clay
	H-79-88K	Grey Silty Clay - Minor Gravel
	H-79-88L	Gravel Till
	H-79-88M	Grey SIlty Clay and Pebbly Till
	H-79-88N	Grey Silty Clay And Pebbly Till Gravel Till Rhyolite Boulder Gravel Till Small Rhyolite Boulder - Gravel Seam
		BEDROCK

H-79-88
Lot 9 Con V

Analysis (H. M.)

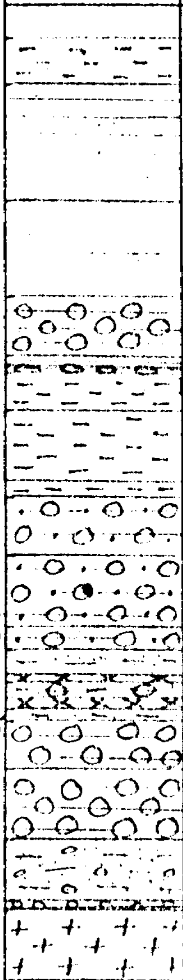
OVERBURDEN DRILL LOG No. H-79-89

PROJECT

DATE July 30, 1979

TOWNSHIP Matheson Twp. LOT 10 CON V

SAMPLER Mike Martel



Depth	Sample No.	Remarks
0		~~Organics~~
.9		Brown Oxidized Clay
2.1		Varved Clay
5.1		Varved Clay
7.6	H079-89A	Gravel Till
9.1		Varved Clay
9.4		Gravel Till
9.6	H-79-89B	Hard Dark Grey Clay
10.6	H-79-89C	Hard Dark Grey Clay
12.4		Hard Dark Grey Clay
12.8	H-79-89D	Sand & Gravel Till
14.3	H-79-89E	Sand & Gravel Till
16.1		Sand & Gravel Till
16.7	H-79-89F	Grey Silty Clay
		Rhyolite Boulder
		Grey Silty Clay -50% - Gravel Till 50%
		Granite Boulder
	H-79-89G	Grey Silty Clay
		Gravel Till
19.8	H-79-89H	Gravel Till (2 bags)
21.6	H-79-89I	Grey Silty Clay With Minor Pebbly Till
23.1		Pebbly Till
23.4		BEDROCK - [illegible]
25.2		

H-79-89
Lot 10; Con V

Analysis (H.M.)

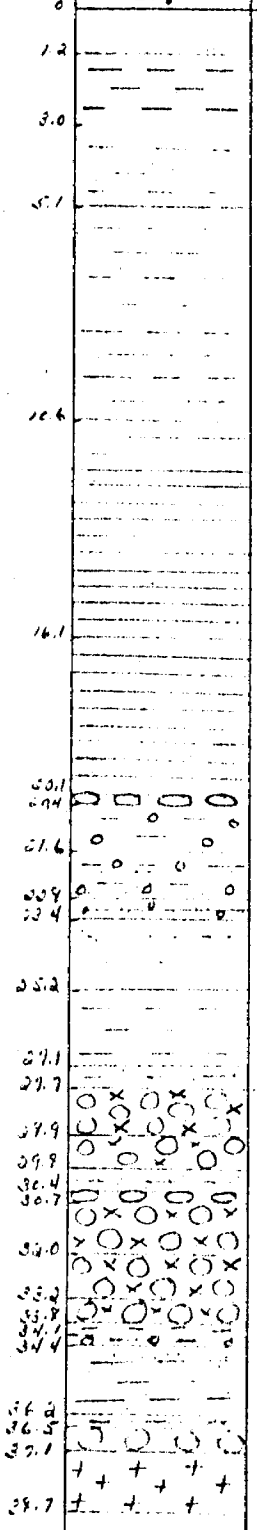
OVERBURDEN DRILL LOG No. H-79-90

PROJECT

TOWNSHIP Matheson LOT 10 CON V

DATE July31 & Aug 1/79

SAMPLER Bill Quesnel



Sample No.	REMARKS
	Organics
	Brown Oxidized Clay Till
	Grey Silty Clay
	Grey Silty Clay
	Grey-Brown Varved Clay
	Grey-Brown Varved Clay
	Gravel
H-79-90A	Grey Silty Clay Till With Some Pebbles
H-79-90B	Grey Silty Clay Till With Some Pebbles
	Dark Grey Silt Till With Some Pebbles (5%)
H-79-90C	Dark Grey Hard Silty Clay
H-79-90D	Dark Grey Hard Silty Clay
H-79-90E	Dark Grey Hard Silty Clay
	Gravel With A Few Small Boulders
H-79-90F	Gravel With A Few Small Boulders
	Dark Grey Hard Silty Clay
	Gravel
H-79-90G	Gravel With Boulders
H-79-90H	Gravel With Boulders
H-79-90I	Gravel With Boulders
	Grey Clay
	Grey Pebbly Silty Clay Till
H-79-90J	Hard Dark Grey Silty Clay
H-79-90K	Hard Dark Grey Silty Clay
	Gravel Till
	BEDROCK

H-79-90
Lot 10, Con V

OVERBURDEN DRILL LOG No. H-79-91

PROJECT _____ DATE Aug 1/79

TOWNSHIP Matheson LOT 11 CON V SAMPLER Mike Martel

Graphic Log	Sample No.	REMARKS
0		
.9		Organics
		Varved Clay (Grey-Brown)
5.1		
		Varved Clay (Grey-Brown)
8.8		
	H-79-91A	Sand Till
10.6		
	H-79-91B	Sand Till - No Return Unitl Rod Sunk
16.1		
	H-79-91C	Gravel Till
		Grey-White Rhyolite Boulder
	H-79-91D	Gravel Till Sand Till
	H-79-91E	Sand & Gravel Pebbly Till 50% - Grey Silty Clay 50% Granite Boulder
	H-79-91F	Grey Silty Clay, Sand and Gravel Till
25.5		BEDROCK
26.0		

H-79-91
Lot 11, Con V

Analysis (H M)

OVERBURDEN DRILL LOG No. H-79-92

PROJECT _____ DATE Aug. 2, 1979

TOWNSHIP Matheson LOT 17 CON IV SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
0		No Return (Sand)
3.6	H-79-92A	Brown, medium grained uniform sand
5.1	H-79-92B	Yellow-Brown medium grained, fairly well graded sand
7.0	H-79-92C	Yellow-brown medium grained, fairly well graded sand
9.8	H-79-92D	Yellow-brown medium grained, fairly well graded sand - becoming gravelly
10.1	H-79-92E	Gravel
12.4	H-79-92F	Gravel with small sand seams (.5 ft)
14.3	H-79-92G	Gravel with small sand seams Grey-brown silty clay till
15.5		Gravel with sand seams
16.1	H-79-92H	Grey-brown silty clay Till Gravel
17.3	H-79-92I	Interbedded gravel and grey-brown silty clay (clay seams 10 ft.) Rhyolite Boulder Gravel (sample I - 17.9-19.8)
19.8	H-79-92J	Gravel with numerous small boulders (.5')
21.6	H-79-92K	Gravel
23.4	H-79-92L	Grey pebbly silt till - trace of clay and sand
25.2	H-79-92M	Grey pebbly silt till - trace of clay and sand
27.1	H-79-92N	Interbedded clay and brown gravel (gravel lenses 0.25')
28.9	H-79-92O	Interbedded clay & gravel Brown pebbly sand till with gravel lenses
29.1	H-79-92P	Gravel
30.1		Greywacke Boulders
30.4	H-79-92Q	Gravel with small boulders (0.25')
32.3		BEDROCK -

H-79-92
Lot 17; Con IV

Analysis (H. M.)

OVERBURDEN DRILL LOG Nº. H-79-93

PROJECT _____ DATE Aug. 2/3, 1979

TOWNSHIP Matheson LOT 18 CON IV SAMPLER Bill Quesnel

Graphic Log	Sample Nº.	REMARKS
		No Reutrn (Sand)
		No Return (Sand)
	H-79-93A	Grey Pebbly Silty Sand Till
	H-79-93B	Grey Pebbly Silty Sand Till
	H-79-93C	Grey Pebbly Silty Sand Till
	H-79-93D	Grey Pebbly Silty Sand Till Metavolcanic Boulder Grey Pebbly Silty Sand Till
	H-79-93E	Grey Pebbly Silty Sand Till (August 3, 1979)
	H-79-93F	Grey Pebbly Silty Sand Till Grey Green Clay Seam Grey Pebbly Silty Sand Till Mafic Metavolcanic Boulder Brown Pebbly Sand Till
	H-79-93H	Brown Pebbly Sand Till
	H-79-93I	Brown Pebbly Sand Till
	H-79-93J	Brown Pebbly Sand Till
	H-79-93K	Brown Pebbly Sand Till Mafic Volcanic Boulder Brown Pebbly Sand Till Brown Pebbly Sand Till
	H-79-93L	Grey-Green Pebbly Silty Sand Till
	H-79-93M	Grey-Green Pebbly Silty Sand Till Mafic Volcanic Boulder Rhyolite Boulder
		Grey-Green Pebbly Silty Sand Till - Trace of Clay
	H-79-93N	Boulder Till (Mafic Volcanic Boulder) Gravel Meta Volvanic Boulder Greywacke Boulder Gravel Biotite Granite Boulder Gravel Greywacke Boulder Mafic Volcanic Boulder Gravel
		BEDROCK -

H-79-93
Lot 18; Con IV

Analysis (H.M.)

OVERBURDEN DRILL LOG No. H-79-94

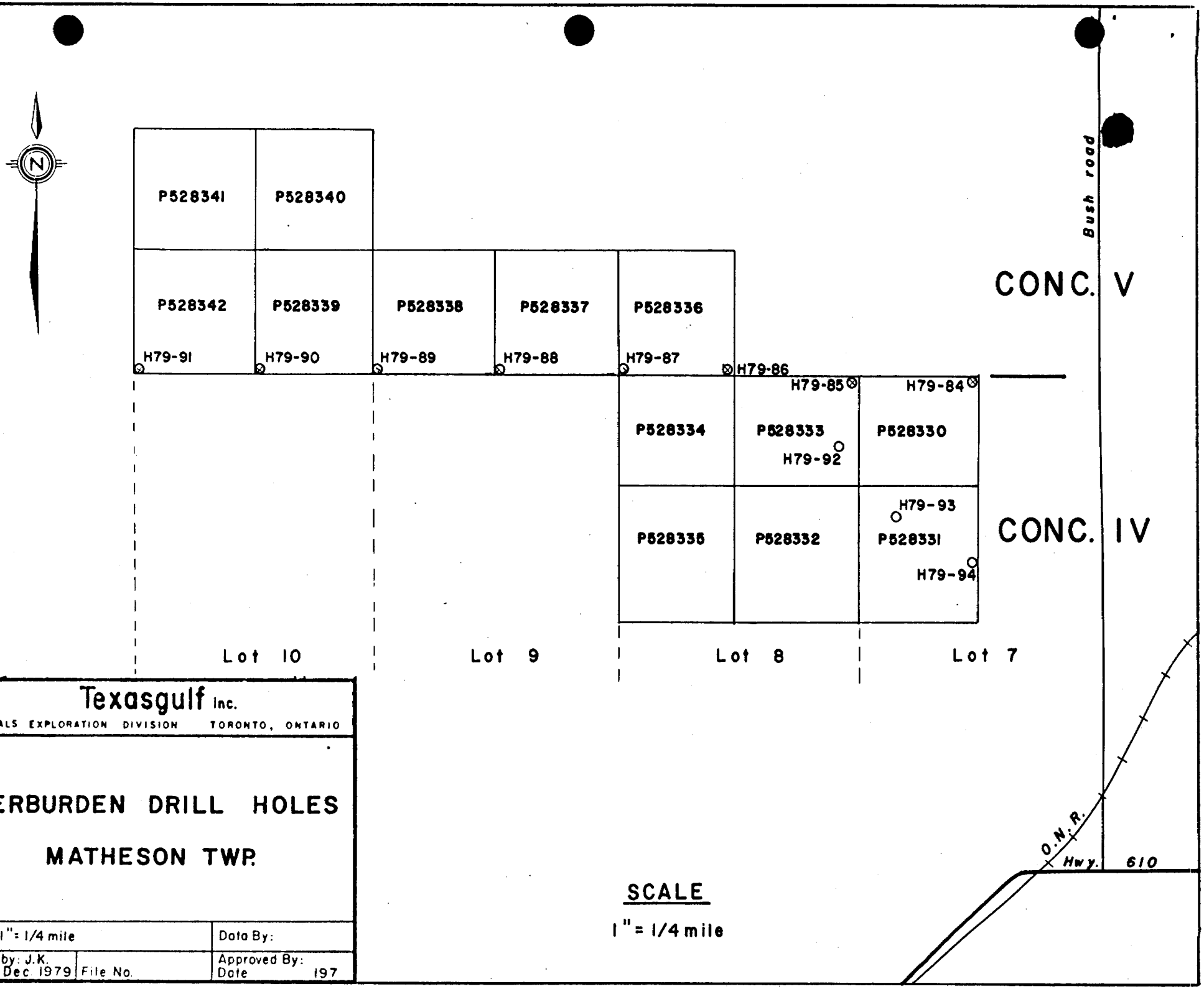
PROJECT _____ DATE Aug. 3/4, 1979

TOWNSHIP Matheson LOT 18 CON IV SAMPLER Bill Quesnel

Graphic Log	Sample No.	REMARKS
		No Return (Sand)
	H-79-94A	Grey-Brown Pebbly Sand Till - Trace of Silt
		No Return (Probably Fine Sand)
		No Return (Probably Fine Sand)
	H-79-94B	Grey-Brown Pebbly Sand Till With Occassional Gravel Seam (~5 ft.)
	H-79-94C	Gravel
	H-79-94D	Grey-White Silty Sand Till - Some Pebbles 20%
	H-79-94E	Grey-White Silty Sand
	H-79-94F	Brown, Fine Grained, Uniform Sand
		Brown, Fine Grained, Uniform Sand
	H-79-94G	Grey-Brown Pebbly Silty Sand Till
	H-79-94H	Grey-Brown Pebbly Silty Sand Till
	H-79-94I	Grey-Brown Pebbly Silty Sand Till
	H-79-94J	Grey-Brown Pebbly Silty Sand Till
	H-79-94K	Grey-Brown Silty Sand Till - Trace of Clay - Few Pebbles
	H-79-94L	Grey-Brown Silty Sand Till - Trace of Clay
		Grey-Brown Silty Sand Till - Few Pebbles
		Metavolcanic Boulder
	H-79-94M	Grey-Brown Pebbly Sand Till
		Grey-Brown Pebbly Sand Till
	H-79-94N	Biotite Granite Boulder
		Green Clay
		Gravel
		Boulder Till
		Gravel
		Boulder Till
		Metavolcanic Boulder
	H-79-94O	Gravel
		Granite Boulder (Biotite)
		Gravel
		BEDROCK

H-79-94
Lot 18; Con IV

Analysis (H. M.)



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

SCALE

1" = 1/4 mile