MAR 19960021: WANDERING RIVER

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REPORT FOR ASSESSMENT FOR PROPERTIES IN THE WANDERING RIVER AREA OF ALBERTA 1995 AND 1996

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with technical assistance from T. Bryant

The following report details the work done for assessment on the following Metallic Minerals Permits:

9394080006	9394080010		
		9394080004	9394080005
9394080018	9394080019	9394080020	9394080021
9394080022	9394080023	9394080024	

This report has been compiled from work done by W. Koleba, Koleba Farms Ltd., Aurum Exploration, and Pelican Mountain Resources. The compilation of this data was completed by M. Gutfreund; Professional Prospector, of Aurum Exploration with technical assistance from T. Bryant; Professional Prospector.

Work to date has focused on the evaluation of the area for gold mineralization. Earlier prospecting in the area had revealed some placer type gold in association with what appeared to be glacial outwash gravels. Some very preliminary work in the area also gave indications that some of the bedrock carried fine visible gold that could be panned. This work was of interest but because there was nothing other than a general description of the gold occurrence location we were determined to evaluate the potential of either bedrock gold concentrations or perhaps ancient channels carrying placer gold.

The first year's exploration consisted of 92 drill holes to an average depth of 50 feet and a trench measuring 25 x 25 x 29 feet deep. We found quite quickly that the drilling equipment we had available to us at the time was hard pressed to get good penetration and; therefore, good samples from bedrock past 50 feet. In the wetter more clay-like materials (blue shale ?) the auger was able to penetrate well and the material would remain on the auger until recovered but as we moved into dryer, harder materials the vibration of the drill stem and the difficulty in pushing the auger fast enough into the ground to reduce sample mixing made drilling to depths past 50 feet impractical.

The drill was refit for our second year of drilling and drilling depths to 100 feet were possible.

The second year's drilling entailed 205 separate sites with several sites having two or more holes done as a rock or some other obstruction stopped drilling prematurely. This necessitated moving the drill rig several feet and repeating the drilling attempt. This was usually all that was needed to eliminate the problem and complete the hole.

Two drills were utilized and drilling for the summer months was restricted to sites along existing roadways. This allowed faster mobilization and the need for line cutting and extensive permits etc. was eliminated.

The entire program to date has been a learning experience for our group and as our expertise has grown we have worked at becoming more and more scientific in our approach.

This has been reflected in our sample taking and hole logs but there are many improvements we plan on making for future exploration.

To that end we have consulted with experienced prospectors to aid our work. Tom Bryant, a well known Alberta prospector, has been instrumental in reviewing our work to date and giving us ideas for improvement as well as evaluating how best to use the data we have managed to gather so far.
Mr. Bryant has also advised us in the compilation of data for this report . He is presently helping us design testing procedures for our samples. It is expected that we will also be asking for his assistance in our future exploration efforts.

EXPLORATION APPROACH

Our initial interest in the area was based on reported placer type gold being found by local prospectors. As we began to investigate further and with the gold exploration data coming out of the Fort McMurray area we decided to increase the scope of our exploration.
Samples were targeted from any potential source system that our drills could reach. This meant placer and bedrock.
Dufresne, Eccles, McKinstry, Schmitt, Fenton, Pawlowicz, Edwards in their 1996 report on the diamond potential of Alberta (Bulletin 68 Alberta Geological Society) illustrate a fault system that trends across our properties and is cross fault to two faults which bracket the property on the north and south.
Also Misra, Slaney, Graham, Harris in their 1991 article in the Canadian Journal Of Remote Sensing titled "Mapping of Basement and Other Tectonic Features Using Seasat and Thematic Mapper in Hydrocarbon Producing Areas of the Western Sedimentary Basin of Canada show several lineaments running at right angles to the fault within our property. This faulting and cross faulting could be of significance and our sample taking tried to address this.
The summer of 1996 was spent drilling on the east side of the fault line because the westerly side cannot be accessed until the winter road is opened. Follow-up drilling to the west of the fault line should take place during the winter season of 1996/97.
While some effort was made to do some sediment sampling most of our work was concentrated on drilling.
The one trench that was excavated to get a better idea of the strata was helpful to our field crew in identifying material on the auger but regrettably we did not have the experience to properly log the trench as we should have.
Sediment samples from a couple of the local drainages were inconclusive as time did not permit handling sufficiently large samples to generate enough heavy minerals for meaningful analysis and interpretation.
Sediment samples are definitely planned for spring exploration in 1997.
Our first year drilling was carried out with an ambitious program of line clearing which cost a significant amount and did, in some ways, limit the scope of the project.
The second year of drilling was carried out along existing roadways. This allowed faster mobilization, easier permitting, and a broader sample area.

METHOD

During the 1995 season drilling was carried out using a six inch auger drill mounted on a D-4 Crawler Bulldozer. This unit is fairly mobile and has the advantage of being able to work on side-hills as well as do some site clearing and cleanup. We also found the weight of the carrier helpful when trying to auger through harder materials.
The second year's drilling was carried out using two drills. The re-fit D-4 and a log skidder mounted unit. The log skidder proved to be a highly mobile unit lending itself well to fast mobilization and de-mobilization. This was important to us as we were working in a reconnaissance mode which necessitated many moves.
The sampling techniques we used with the augers have been in use extensively in the Yukon for placer gold evaluation. Using heavy down-pressure the auger is drilled into the ground as smoothly and quickly as possible. The aim is to reduce the mixing of the sample on the auger stem through movement up the stem or through excess scrubbing against the side-walls of the hole. The auger is drilled into the ground for at least one auger length of five feet and then is tripped out "dead". In other words the auger is not rotated to move sample up it.
This preserves a sample on the auger flight which maintains a close control on stratigraphy. Changes in character of material and approximate thicknesses of any layers can be noted. While not as tight a control can be established as with core drilling the results are certainly valid for reconnaissance work.

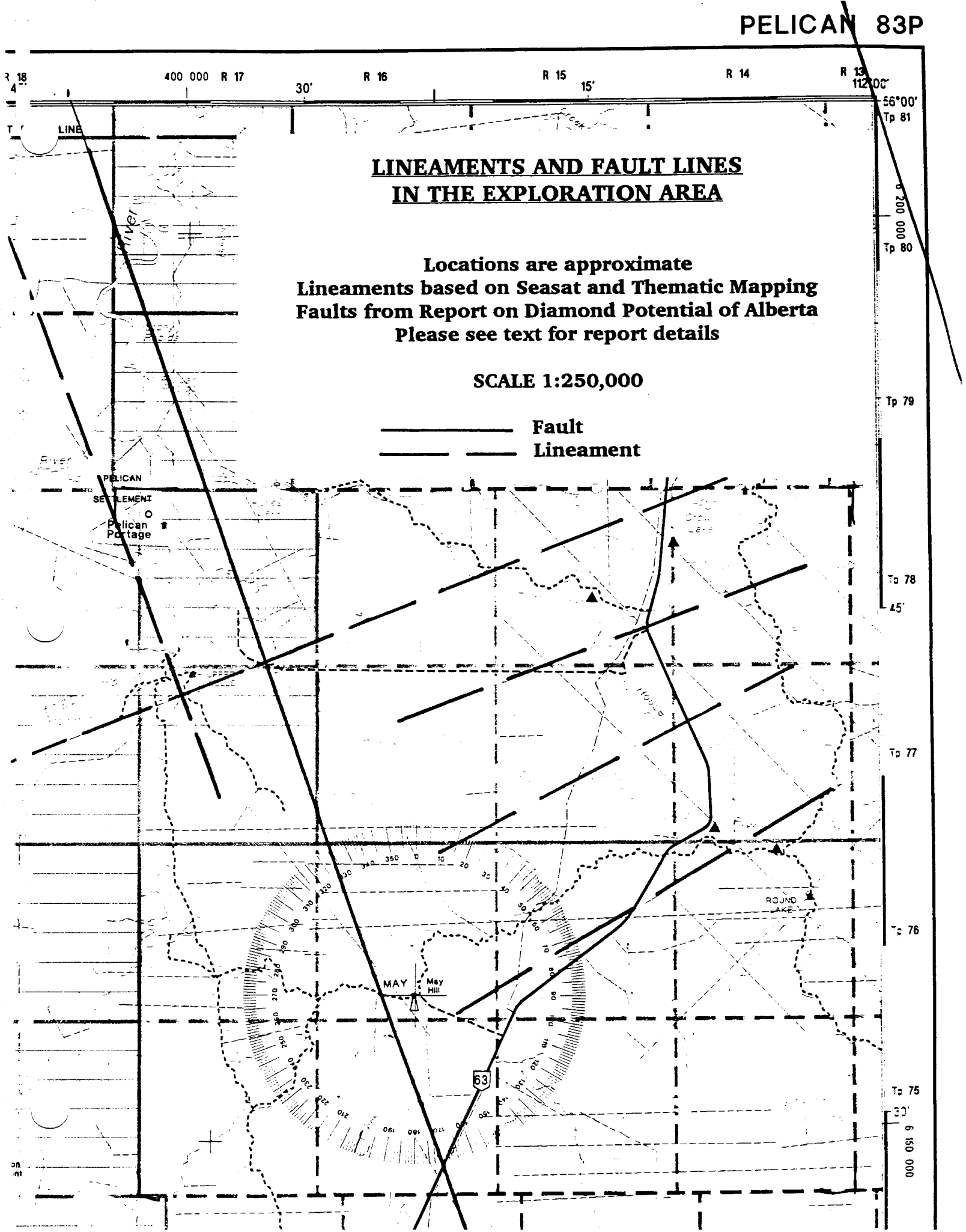
SAMPLES

For this first reconnaissance work samples were taken from the auger flight on the decision of the drill crew based on changes in layers or character. Representative samples of anything "different" were taken.
The 1995 season's drilling was logged on a fixed interval with samples taken more or less every five feet. Exceptions were made if there was no apparent change in the material where sample intervals may have been extended to up to 15 feet.
The 1996 drilling was also based on evaluation of different layers and structures rather than an attempt to get a tight control on the exact stratigraphy etc.
In retrospect it would have been helpful to have gotten more details on each hole and we will be attempting to do so in future drilling.
Sample sizes were typically in the 5 pound range with some samples as large as fourty pounds if the situation warranted.
While the entire hole was logged in general terms it was not until the 1996 season that the driller made comments in the log as to character of the material being encountered. There was little work done on in field evaluation. Our focus was to obtain samples for more detailed analysis so samples were taken, labeled and logged as to depth. All samples were then brought into a central archive where

they are being catalogued and evaluated. They are then prioritized for analysis which is in progress as this report is submitted.
No attempt was made to establish elevations for the drill sites. There were some trials using the GPS unit but the elevation data was so erratic that it was not considered reliable. Should sample testing reveal a definite link to a particular strata or sample type it will be a simple matter to survey for elevation and link that to our drill results.
There may be some benefit to plotting bedrock (blue clay-shale) intersects versus elevations and we are currently considering the needed survey work.

SAMPLE TESTING

While many samples were taken over the two seasons of drilling sufficient funding for testing was lacking until October 1996.
As such, the work reported to date for assessment entails sample acquisition with only some observations gleaned from fairly primitive testing using gold panning. While gold panning is helpful for determining free gold to 200 or so Tyler Mesh it was not used on known bedrock samples as a general rule. Where such testing took place it is noted in the drill logs under comments and in the conclusions of this paper if the results were noteworthy.
Testing over the next several months will concentrate on fire assay and gravity concentration to determine if gold mineralization exists in either /or sand and gravel or bedrock.

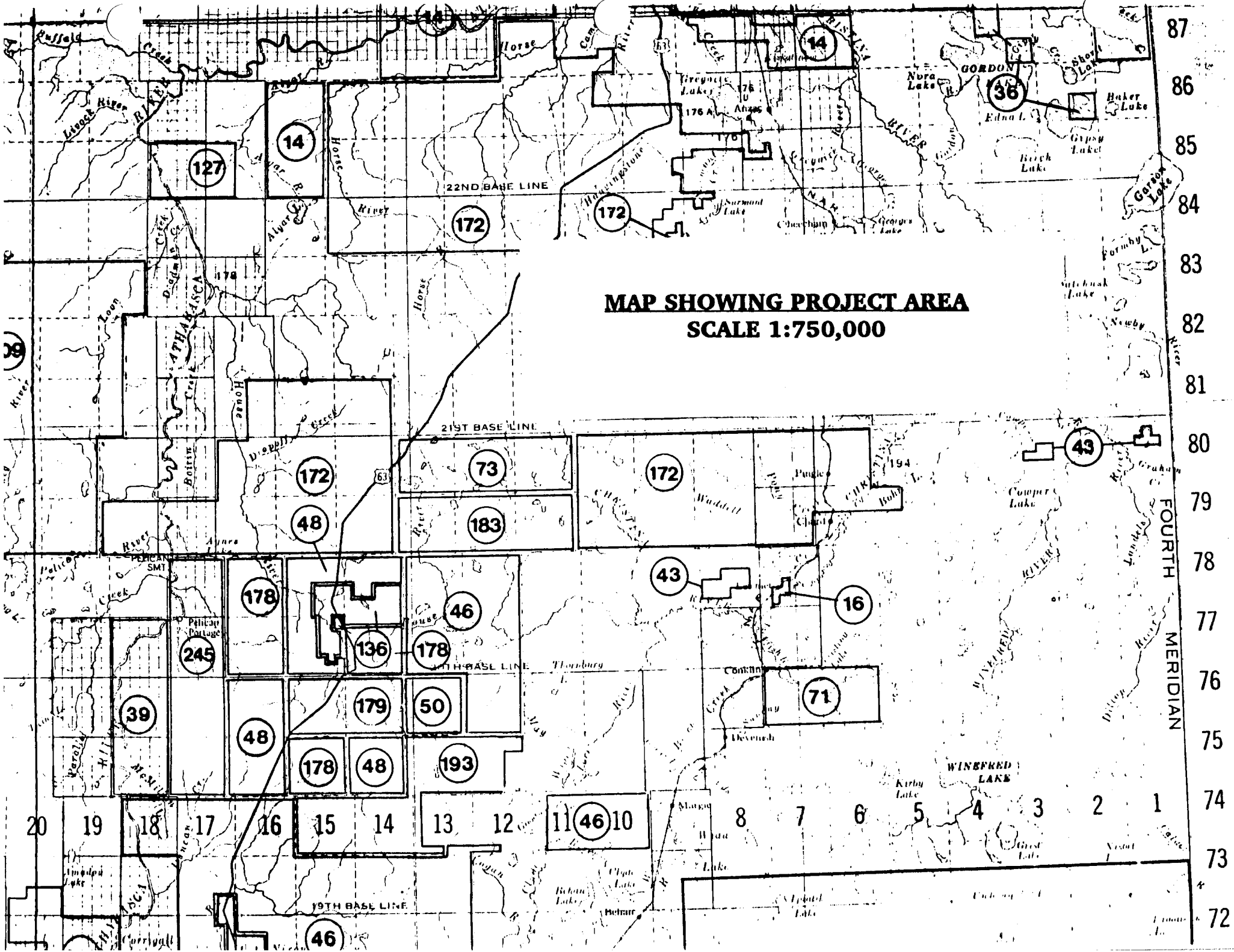


LINEAMENTS AND FAULT LINES IN THE EXPLORATION AREA

Locations are approximate
Lineaments based on Seasat and Thematic Mapping
Faults from Report on Diamond Potential of Alberta
Please see text for report details

SCALE 1:250,000

Fault
Lineament


MAP SHOWING PROJECT AREA
SCALE 1:750,000
22ND BASE LINE
21ST BASE LINE
19TH BASE LINE
FOURTH MERIDIAN
PELICAN SMT
Pelican Portage
ATHABASCA
Horse Creek
Dropped Creek
Botrie Creek
Ayres River
Loon River
Liquack River
Russell Creek
Thornburg
Conklin
Devenish
Puglet
Cowper Lake
Gordon Lake
Nora Lake
Baker Lake
Garson Lake
Winefred Lake
Kirby Lake
Utikuma Lake
Wadlin Lake
Hutchinson Lake
Lundbreck
Limestone Lake
Carrywell
Helmar
Marga
Vestal
14
127
172
73
183
48
178
46
136
245
39
179
50
193
71
43
16
36
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COSTS FOR ASSESSMENT

1995 - 1996

Drilling	$40/ft. x 14591 ft.	=$583,640
Licences and permits		= $1,250
Standby costs for crew	4 men x 45 days = 180 man days	
	180 man days x $150 day	= $27,000
	180 man days rm/brd x $85 day	= $15,300
Standby costs for equipment	-drill	
	-backhoe	
	-bobcat	
	-dump truck	
	-quad	
	$1900 day x 21 days	=$33,900
Equipment rental excluding standby	-backhoe	
	-bobcat	
	-dump truck	
	-quad	
	-truck	=$36,300
Line survey and clearing		=$118,000
Reclamation		=$7,000
Administration		=$8,000
Total		=$830,390

PHOTOGRAPHS OF PROJECT EQUIPMENT AND WORK IN PROGRESS


Aurum
463-5864

DRILL LOGS

DRILL LOGS FOR 1995 SEASON

DRILL HOLE NUMBER	SAMPLE DEPTHS
34-1-T1	15 - 25 - 35
34-1-T2	10 - 15
34-1-T3	15 - 25 - 35
34-1-T4	15 - 25 - 35
34-1-T5	10 - 15
34-1-T6	15 - 25 - 35
34-1-T7	15 - 22 - 35
34-2-T1	10 - 15
34-2-T2	15 - 25 - 35
34-2-T3	15 - 20
34-2-T4	15 - 20 - 35
34-2-T5	15 - 20 - 30
34-2-T6	15 - 20 - 35
34-2-T7	15 - 20 - 30
34-2-T8	12 - 18 - 25 - 40
35-2-T5	15 - 20 - 30
35-2-T6	15 - 20 - 25
35-2-T7	15 - 20
34-5-T1	15 - 25 - 35
34-5-T2	15 - 20
34-5-T3	10 - 15

34-5-T4	15 - 25 - 35
34-7-T1	15 - 22 - 30
34-7-T2	10 - 15
34-7-T3	15 - 25
33-2-T1	15 - 25 - 35
33-2-T2	15 - 25
28-5-T1	10 - 15 - 25 - 35
28-5-T2	10 - 15
28-5-T3	10 - 20 - 30
28-5-T4	10 - 15
28-1-T1	10 - 15 - 25 - 30
28-1-T2	10 - 15
28-1-T3	15 - 20 - 30
28-1-T4	10 - 15
28-1-T5	15 - 25
28-1-T6	10 - 15
28-3-T1	15-25-35
28-3-T2	10 - 15
28-3-T3	15 - 20 - 25 - 35
28-3-T4	10 - 15
28-3-T5	15 - 25 - 35

33-4-T1	15 - 25 - 33
33-4-T2	10 - 15
33-4-T3	15 - 25 - 35
33-4-T4	10 - 15
33-4-T5	15 - 20 - 25
33-4-T6	10 - 15
33-4-T7	15 - 20 - 30
29-1-T1	15 - 25 - 35
29-1-T2	10 - 15
29-1-T3	15 - 25 - 35
29-1-T4	15 - 25 - 35
29-1-T5	10 - 15
29-1-T6	15 - 20 - 28
29-3-T1	10 - 15
29-3-T2	15 - 25 - 35
29-3-T3	10 - 15
29-3-T4	15 - 25 - 30
29-3-T5	10 - 15
29-3-T6	15 - 25 - 35
29-4-T1	15 - 25 - 35
29-4-T2	15 - 25 - 35
29-4-T3	15 - 25 - 35
29-4-T4	10 - 15

29-6-T1	15 - 25 - 35
29-6-T2	10 - 15
29-6-T3	15 - 25 - 35
29-6-T4	10 - 15
29-6-T5	15 - 25 - 35
29-6-T6	10 - 15 - 20
29-6-T7	10 - 15 - 20
30-1-T1	15 - 25 - 35
31-M-R-T1	15 - 25 - 35
31-M-R-T2	15 - 25 - 35
31-M-R-T3	15 - 25
31-M-R-T4	10 - 15
31-M-R-T5 (6 holes attempted)	10 - 15
28-3-T6	10 - 15
NW CORNER OF CAMP SITE	15 - 25 - 35 - 45
SW CORNER OF CAMP SITE	15 - 25 - 35
NE CORNER OF CAMP SITE	15 - 25 - 35
SE CORNER OF CAMPSITE	15 - 25 - 35
26-1-T1	15 - 25 - 35
26-1-T2	15 - 25 - 35
26-1-T8	15 - 25 - 35

34-3.5-T1	15 - 25 - 35
34-3.5-T2	15 - 25 - 35
34-1-T1	15 - 25 - 35
34-2-T1	15 - 25 - 35
TEST PIT ON OLD CAMP SITE	25 X 25 X 29 FEET DEEP

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
A4	A4		55°43'22N	Grey Clay		12	
			112°17'08W	Grey Clay		20	
				Blue Clay		45	Very hard digging at 40'
				Blue Clay		55	HOLE END
A5	A5		55°43'24N	Sandy	Flat	20	
			112°17'18W	Blue Clay		25	
				Blue Clay		45	Hard sandy texture
				Blue Clay		57	HOLE END
A6	A6		55°41'19N	Brown Clay	Flat	15	
			112°31'28W	Blue Clay		25	
				Blue Clay		45	
				Blue Clay		55	HOLE END
A7	A7		55°42'44N	Sandy		12	
			112°31'43W	Brown Clay		25	
				Black		45	Very Hard
				Black		48	HOLE END
8A	8A		55°42'47N	Brown Clay		12	
			112°31'41W	Brown Clay		25	
				Brown Clay		30	Hitting rock at 30'
				Brown Clay		45	
				Brown Clay		52	HOLE END
8A(R1)	8A		55°42'47N				Re-drill of 8A to confirm 30' rock intersect
			112°31'41W			48'	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
9A	9A		55°42'56N	Brown Clay		12	
			112°31'38W	Grey Clay		25	
				Grey Clay		45	
				Grey Clay		54	HOLE END
10A	10A		55°42'58N	Blue Clay	Low Spot	12	
			112°31'30W	Blue Clay		25	
				Blue Clay		45	
				Blue Clay		52	HOLE END
11A	11A		55°43'11N	Brown Clay		12	Wet hole first 20'
			112°31'54W	Blue Clay		25	Very hard at 40'
				Blue Clay		40	
				Blue Clay		58	HOLE END
12A	12A		55°43'15N	Blue Clay		12	
			112°31'47W	Blue Clay		20	
				Blue Clay		40	
				Blue Clay		62	HOLE END
13A	13A		55°43'20N	Sandy		20	Wet
			112°31'40W	Sandy		30	Hit rock
				Sandy		40	
				Sandy		48	HOLE END
14A	14A		55°43'27N	Sandy Clay		12	HOLE END - Too Wet.
			112°31'40W				

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
15A	15A		55°43'18N	Blue Clay	Flat	20	Very hard all the way to hole end
			112°24'03W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		58	HOLE END
16A	16A		55°40'29N	Brown Clay	Flat	20	Black coloured sand at 45'
			112°30'42W	Black Clay		30	
				Course Sand		52	HOLE END
17A	17A		55°43'29N	Course Sand	Flat	20	Black coloured sand at 15'
			112°31'50W	Black Clay		30	
				Black Clay		40	
				Black Clay		56	HOLE END
18A	18A		55°43'21N	Course Sand		20	
			112°26'33W	Black Sand		40	Course black sand - clean
				Black Clay		60	1" rock and smaller - in black clay
				Black Clay		64	HOLE END
19A	19A		55°43'23N	Black Clay		20	
			112°26'24W	Black Clay		30	
				Black Clay		40	
				Black Clay		53	HOLE END
20A	20A		55°43'23N	Black Clay		20	
			112°26'19W	Black Clay		30	Very hard from 30' down.
				Black Clay		42	
				Black Clay		53	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
21A	21A		55°43'22N	Black Clay		20'	very hard all the way to bottom
			112°26'12W	Black Clay		30	
				Black Clay		40	
				Black Clay		58	HOLE END
22A	22A		55°43'23N	Blue Clay	Flat	20	
			112°25'02W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		48	
				Blue Clay		54	HOLE END
23A	23A		55°43'24N	Brown Clay	Low area	20	
			112°23'05W	Brown Clay		30	
				Brown Clay		40	
				Brown Clay		51	HOLE END
24A	24A		55°43'23N	Blue Clay		20	Much small rock 1/2" or smaller first 20'
			112°23'54W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		48	
				Blue Clay		56	HOLE END
25A	25A		55°43'21N	Grey Clay		20	Hard digging all the way to bottom
			112°22'56W	Grey Clay		30	
				Grey Clay		40	
				Grey Clay		55	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
26A	26A		55°43'18N	Blue Clay		20	
			112°22'42W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	HOLE END
27A	27A		55°32'25N	Sandy	Hill	20	
			112°19'53W	Sandy		30	
				Sandy		40	
				Sandy		54	HOLE END
28A	28A		55°32'28N	Black Clay		20	
			112°19'54W	Black Clay		30	
				Black Clay		40	
				Black Clay		52	HOLE END
29A	29A		55°32'26N	Brown Clay	Hill	20	Brown clay mixed with sand
			112°19'56W	Brown Clay		30	
				Brown Clay		40	
				Brown Clay		54	HOLE END
30A	30A		55°32'29N	Black Clay	Low Spot	20	
			112°20'02W	Black Clay		30	
				Black Clay		40	
				Black Clay		52	HOLE END
31A	31A		55°32'31N	Brown Clay		20'	Small rock at 6' - smaller than 1/2"
			112°32'31W	Brown Clay		30	
						40	
						52	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
31AR1	31A		55°32'31N			56'	Repeat of 31A - HOLE END
			112°32'31W				
31AR2	31A		55°32'31N			54	Repeat of 31A - HOLE END
			112°32'31W				
32A	32A		55°32'36N	Sand		20	
			112°20 31W	Sand		30	
				Sand		40	Small rock at 40' - ½" and less
				Sand		53	HOLE END
33A	33A		55°32'45N	Blue Clay	Hill	20	
			112°21'01W	Blue Clay		30	
				Blue Clay		42	
				Blue Clay		54	HOLE END
34A	34A		55°32'49N	Black Clay	Hill	22	
			112°21'11W	Black Clay		30	
				Black Clay		40	
				Black Clay		52	HOLE END
35A	35A		55°32'50N	Blue Clay	Hill	20	
			112°21'22W	Blue Clay		30	
				Blue Clay		42	
				Blue Clay		50	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
36A	36A		55°32'51N	Blue Clay	Hilltop	20	Very hard all the way to bottom
			112°21'29W	Blue Clay		30	Blue-black clay
				Blue Clay		40	
				Blue Clay		48	HOLE END
37A	37A		55°32'55N	Brown Clay	Flat	20	
			112°21'35W	Brown Clay		28	
				Brown Clay		36	
				Brown Clay		52	HOLE END
38A	38A		55°32'56N	Brown Clay	Flat	18	
			112°21'42W	Blue Clay		20	
				Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		58	HOLE END
39A	39A		55°32'54N	Sand	Hilltop	12	HOLE END - Hit rock
			112°21'45W				
39AR1	39A		55°32'54N	Sand	Hilltop	12	HOLE END - Hit rock - repeat of 39A
			112°21'45W				
39AR2	39A		55°32'54N	Sand	Hilltop	12	HOLE END - Hit rock - repeat of 39A
			112°21'45W				

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
39AR3	39A		55°32'34N	Sand	Hilltop	12	Passing through rock and sand
			112°21'45W	Sand		20	repeat of 39A
				Sand		30	
				Sand		40	
				Sand		52	HOLE END
40A	40A		55°32'56N	Blue Clay		20	
			112°21'49W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		56	HOLE END
41A	41A		55°32'57N	Black Clay	Hilltop	20	
			112°21'52W	Black Clay		30	
				Black Clay		42	
				Black Clay		50	
				Black Clay		58	HOLE END
42A	42A		55°32'58N	Sand		20	Sand and small stones
			112°22'00W	Sand		30	Hit red stained rock
				Sand		40	
				Sand		50	
				Sand		55	HOLE END
43A	43A		55°33'05N	Sand		10	HOLE END - hit rock
			112°22'34W				
43AR1	43A		55°33'05N	Sand		10	HOLE END - hit rock
			112°22'34W				

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
43AR2	43A		55°33'05N	Sand		20	
			112°22'34W	Gravel		30	
				Gravel		40	
				Gravel		48	
				Gravel		54	HOLE END
44A	44A		55°33'07N	Sand	Hill	10	HOLE END - hit rock
			112°22'40W				
44AR1	44A		55°33'07N	Sand	Hill	11	HOLE END - hit rock - repeat of 44A
			112°22'40W				
44AR2	44A		55°33'07N	Sand	Hill	20	
			112°22'40W	Sand and			
				Rock		30	Sand and gravel - some rock over 1"
						40	
						47	
						54	HOLE END
45A	45A		55°33'09N	Sand		20	
			112°22'51W	Sand		30	
				Sand		40	
				Sand		50	
				Sand		52	HOLE END
46A	46A		55°33'11N	Sand	Flat	20	Sand to bottom
			112°22'55W	Sand		30	
				Sand		40	
				Sand		50	
				Sand		58	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
47A	47A		55° 33' 11 N	Brown Clay		20	
			112° 22' 56 W	Sand		30	Sand from 30' to bottom
				Sand		40	
				Sand		45	
				Sand		53	HOLE END
48A	48A		55° 33' 11 N	Sand	Slope	20	On uphill slope
			112° 23' 02 W	Sand		30	
				Sand		40	
				Sand		50	
				Sand		60	HOLE END
49A	49A		55° 33' 12 N	Brown Clay	Slope	20	on uphill slope
			112° 23' 05 W	Sand		30	
				Sand		40	
				Sand		50	
				Sand		58	HOLE END
49AR1	49A		55° 33' 12 N		Slope	10	HOLE END - hit rock - repeat of 49A
			112° 23' 05 W				
49AR2	49A		55° 33' 12 N		Slope	10	HOLE END - hit rock - repeat of 49A
			112° 23' 05 W				
50A	50A		55° 33' 12 N	Blue Clay	Slope	20	
			112° 23' 01 W	Blue Clay		30	Some sandy clay at 30'
				Blue Clay		40	
				Blue Clay		56	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
51A	51A		55°33'12N	Blue Clay	Slope	20	Very hard drilling all the way to bottom.
			112°23'17W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		54	HOLE END
52A	52A		55°33'12N	Blue Clay	Slope	20	Hard drilling to 35' - softer (wetter?) from
			112°23'21W	Blue Clay		30	there on.
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		54	HOLE END
53A	53A		55°33'13N	Brown Clay	Slope		Brown rusty clay to 10'
			112°23'23W	Blue Clay			Blue clay 12' to bottom.
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		56	HOLE END
54A	54A		55°33'14N	Brown Clay	Slope	10	Brown rusty clay to 10'
			112°23'24W	Blue Clay		12	
				Blue Clay		20	
				Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		54	HOLE END
55A	55A		55°33'16N	Blue Clay		20	
			112°23'29W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		56	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
56A	56A		55°33'17N	Brown Clay	Slope	20	
			112°23'31W	Rusty Clay		25	Rusty Clay looks like heavy iron stained
				Rusty Clay		30	blue clay.
				Rusty Clay		40	
				Rusty Clay		50	
				Rusty Clay		54	HOLE END
57A	57A		55°33'19N	Rusty Clay	Slope	20	Rust seems to be linked to sandier
			112°23'32W	Rusty Clay		30	sections of clay
				Rusty Clay		40	Very hard drilling from 35' to bottom.
				Rusty Clay		50	
				Rusty Clay		60	
				Rusty Clay		62	HOLE END
58A	58A		55°33'20N	Rusty Clay	Slope	20	Rusty clay grades to sandier clay with
			112°23'37W	Rusty Sand		30	depth.
				Rusty Sand		40	
				Rusty Sand		50	HOLE END
59A	59A		55°33'21N	Rusty Clay	Slope	20	Same profile as 58A.
			112°23'37W	and Sand		30	
						40	
						50	
						54	HOLE END
60A	60A		55°33'23N	Rusty Clay	Slope	20	Same as 58A
			112°23'40W	and Sand		30	
						40	
						50	HOLE END

Sheet1

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
61A	61A		55°33'24N	Rusty Clay	Slope	20	Same as 58A
			112°23'41W	and Sand		30	
						40	
						50	
						52	HOLE END
62A	62A		55°34'21N	Sand	Slope	20	
			112°24'02W	Sand		30	
				Sand		40	
				Sand		50	
				Sand		55	HOLE END
63A	63A		55°34'19N	Blue Clay	Slope	20	
			112°24'02W	Blue Clay		35	
				Grey Clay		36	
				Grey Clay		40	
				Grey Clay		50	
				Grey Clay		54	HOLE END
64A	64A		55°34'17N	Blue Clay	Slope	20	
			112°24'07W	Blue Clay		40	
				Blue Clay		50	
				Blue Clay		60	
				Blue Clay		63	HOLE END
65A	65A		55°34'14N	Blue Clay	High Spot	20	
			112°24'06W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		60	
				Blue Clay		64	HOLE END

Sheet1

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
66A	66A		55°34'13N	Brown Clay	Slope	20	
			112°24'12W	Rusty Sand		25	Rusty sand gets very wet with depth.
				Rusty Sand		30	Stopped drilling - could not get sample from
				Rusty Sand		40	hole bottom.
				Rusty Sand		45	HOLE END
67A	67A		55°34'12N	Blue Clay	Hilltop	20	Blue clay with some small patches of
			112°24'12W	Blue Clay		30	rust stain.
				Blue Clay		40	
				Blue Clay		48	
				Blue Clay		52	
				Blue Clay		60	HOLE END
68A	68A		55°34'07N	Blue Clay	Slope	20	
			112°24'12W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		56	HOLE END
69A	69A		55°34'05N	Blue Clay	Slope	20	
			112°24'13W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		60	HOLE END
70A	70A		55°34'03N	Brown Clay	Slope	20	
			112°24'17W	Rusty Clay		21	
				Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		58	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
71A	71A		55°34'00N	Brown Clay	Slope	20	
			112°24'20W	Rusty Sand		24	wet sand to almost 38 feet
				Rusty Sand		30	Very hard drilling 38' to bottom.
				Rusty Sand		40	
				Rusty Sand		48	
				Rusty Sand		55	HOLE END
72A	72A		55°33'58N	Sand	Slope	16	
			112°24'17W	Rusty Sand		17	
				Rusty Sand		30	
				Rusty Sand		54	HOLE END
73A	73A		55°33'59N	Rusty Sand	Slope	20	
			112°24'20W	Rusty Sand		30	
				Rusty Sand		40	
				Rusty Sand		50	
				Rusty Sand		56	HOLE END
74A	74A		55°33'59N	Brown Clay	Slope	20	Some rust patches in brown clay
			112°24'17W	Rusty Sand		30	Very hard drilling in rusty sand
				Rusty Sand		40	
				Rusty Sand		50	
				Rusty Sand		51	HOLE END
75A	75A		55°33'58N	Brown Clay	Slope	20	Same as 74A
			112°24'14W	Rusty Sand		30	
				Rusty Sand		40	
				Rusty Sand		50	
				Rusty Sand		54	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
76A	76A		55°33'58N	Brown Clay	Slope	5	
			112°24'13W	Rusty Sand		6	
				Rusty Sand		20	
				Rusty Sand		30	
				Rusty Sand		40	
				Rusty Sand		50	
				Rusty Sand		52	HOLE END
77A	77A		55°33'55N	Brown Clay	Slope	8	
			112°24'13W	Rusty Sand		9	Very hard drilling from 12' to bottom.
				Rusty Sand		20	
				Rusty Sand		30	
				Rusty Sand		40	
				Rusty Sand		50	
				Rusty Sand		54	HOLE END
78A	78A		55°33'57N	Brown Clay	Hill top	15	
			112°24'12W	Rusty Sand		16	Hard drilling from 16' to bottom
				Rusty Sand		20	
				Rusty Sand		28	
				Rusty Sand		36	
				Rusty Sand		40	
				Rusty Sand		50	
				Rusty Sand		52	HOLE END
79A	79A		55°33'51N	Rusty Clay	Hill top	12	
			112°24'17W	Sand		13	Very hard - comes up like small rocks.
				Sand		20	probably sandstone
				Sand		30	
				Sand		40	
				Sand		50	
				Sand		54	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
80A	80A		55°33'46N	Brown Clay	Hill top	15	
			112°24'13W	Rusty Clay		16	Very hard drilling from 20' to bottom
				Rusty Clay		20	
				Rusty Clay		30	
				Rusty Clay		40	
				Rusty Clay		50	
				Rusty Clay		58	HOLE END
81A	81A		55°33'47N	Brown Clay	Hill top	12	
			112°24'14W	Rusty Clay		13	Very hard drilling from 15' to bottom
				Rusty Clay		20	Rusty clay mixed with sand.
				Rusty Clay		30	
				Rusty Clay		40	
				Rusty Clay		50	
				Rusty Clay		54	HOLE END
82A	82A		55°33'50N	Brown Clay	Flat	20	
			112°24'18W	Rusty Clay		21	Very hard drilling from 24' to bottom.
				Rusty Clay		30	very hard and crumbly
				Rusty Clay		40	
				Rusty Clay		50	
				Rusty Clay		54	HOLE END
83A	83A		55°33'02N	Brown Clay	Flat	16	
			112°22'21W	Rusty Clay		17	
				Rusty Clay		20	Very hard drilling from 24' to bottom
						30	hard - dry - crumbly
						40	
						50	
						60	
						62	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
84A	84A		55°32'44N	Blue Clay	Flat	20	
			112°20'57W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		54	HOLE END
85A	85A		55°32'37N	Blue Clay	Flat	20	
			112°20'42W	Blue Clay		28	
				Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		55	HOLE END
86A	86A		55°32'34N	Brown Clay	FLAT	18	
			112°20'29W	Sand		19	Brown sand with small rock - less than ½".
				Sand		20	
				Sand		30	
				Sand		40	
				Sand		50	
				Sand		52	HOLE END
87A	87A		55°32'26N	Blue clay		20	
			112°19'58W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		54	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
1A	001A		55°43'23 N	Blue Clay	Flat	5	small pebbles in grey clay
			112°18'19 W	Blue Clay		10	Rusty blue clay 10' to bottom
				Blue Clay		20	
				Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		53	HOLE END
2A	002A		55°43'19 N	Blue Clay	Flat	10	sandy clay no oxide stains
			112°18'47 W	Blue Clay		20	
				Blue Clay		25	very wet - no oxide stains
				Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	HOLE END
3A	003A		55°43'21 N	Blue Clay	Flat	10	sandy clay
			112°19'07 W	Blue Clay		20	
				Blue Clay		25	very wet
				Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		52	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
1B	001B		55°43'19N	Blue Clay	Flat	10	Some oxide stain
			112°19'12 W	Blue Clay		20	very thick clay - very wet
				Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		54	HOLE END
2B	002B		55°43'18N	Blue Clay	Flat	10	Dry clay with pebbles common - some oxide stains
			112°19'34 W	Blue Clay		20	Thick - heavy clay to bottom
				Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		52	HOLE END
3B	003B		55°43'27N	Blue Clay	Small Mound	10	Some oxide stains present
			112°32'12 W	Blue Clay		20	Transition from blue clay to grey clay
				Grey Clay		22	
				Grey Clay		33	Some small stones - plus 1cm
				Grey Clay		40	
				Grey Clay		50	
				Grey Clay		55	HOLE END
4B	004B		55°43'24 N	Sand & Gravel	Small Hill	12	
			112°32'17 W	Blue Clay		24	Much oxide stain - Mica noted
				Sand & Clay		36	
				Sand & Clay		48	Some gravel plus 1 inch
				Sand & Clay		55	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
5B	005B		55°43'42 N	Blue Clay		12	Many rocks
			112°32'57 W	Blue Clay		24	
				Blue Clay		30	Blue clay with some small rock fragments to bottom
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		54	HOLE END
6B	006B		55°43'30 N	Brown Clay	Flat	12	Some sand in clay - some rock fragments
			112°32'11 W	Blue Clay		20	
				Blue Clay		36	Heavy oxide stains from 35' to bottom
				Blue Clay		43	
				Blue Clay		50	
				Blue Clay		54	HOLE END
7B	007B		55°43'25 N	Brown Clay	Flat	12	Large rock - some oxide stain
			112°32'15 W	Sandy Clay		24	Very sandy clay
				Sandy Clay		30	
				Sandy Clay		40	
				Sandy Clay		50	HOLE END
8B	008B		55°43'28 N	Brown Clay	Flat	12	Some oxide
			112°32'18 W	Brown Clay		24	Very sandy clay
				Brown Clay		30	
				Brown Clay		40	
				Brown Clay		50	
				Brown Clay		60	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
9B	co9B		55°43'33N	Brown Clay	Flat	12	Water saturated - some small pebbles
			112°32'19W	Blue Clay		24	Some oxide stain
				Blue Clay		36	small rock fragments
				Blue Clay		46	
				Blue Clay		52	HOLE END
10B	010B		55°43'25N	Sandy Clay	Flat	12	Oxide stains
			112°32'22W	Blue Clay		24	Rock fragments from 22' to bottom
				Blue Clay		32	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		52	HOLE END
11B	011B		55°44'01N	Brown Clay	Flat	12	Oxide stains - water saturated
			112°33'24W	Brown Clay		24	wet drilling
				Brown Clay		36	
				Brown Clay		48	
				Brown Clay		58	HOLE END
12B	012B		55°44 04N	Brown Clay	Flat	12	
			112°33 27W	Blue Clay		24	Wet drilling - some rock fragments
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		54	HOLE END
13B	013B		55°44'26N	Brown Clay	Flat	12	Some sand and oxide stain from 12' to
			112°33'53W	Blue Clay		24	bottom
				Blue Clay		36	
				Blue Clay		44	
				Blue Clay		50	HOLE BOTTOM

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
14B	014B		55°43'51N	Brown Clay	Flat	12	
			112°33'51W	Blue Clay		24	Sandy clay - some rock fragments
				Blue Clay		36	wet drilling from 18' to bottom
				Blue Clay		48	
				Blue Clay		60	HOLE END
15B	015B		55°43'22N	Clay	FLAT	12	
			112°32'24W	Blue Clay		24	Hard drilling from 20' to bottom
				Blue Clay		36	Small rocks
				Blue Clay		48	Some water at 40' to bottom
				Blue Clay		52	HOLE END
16B	016B		55°43'20N	Brown Clay	Flat	12	Thick heavy clay - some sand
			112°32'04W	Blue Clay		24	
				Blue Clay		36	Very hard drilling 34' to bottom
				Blue Clay		42	
				Blue Clay		48	
				Blue Clay		54	HOLE END
17B	017B		55°43'06N	Sand	Flat	12	wet drilling
			112°31'33W	Sand		24	
				Sand		36	HOLE END - Too Wet
18B	018B		55°43'06N	Sand	Flat	12	wet drilling
			112°31'33W	Sand		24	
				Sand		36	
				Sand		43	HOLE END - Too wet

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
19B	019B		55°42'50N	Blue Clay	Flat	5	
			112°31'42W	Blue Clay		12	
				Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
20B	020B		55°42'44N	Blue Clay	Flat	5	
			112°31'41W	Blue Clay		12	
				Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
21B	021B		55°42'47N	Blue Clay	Flat	12	
			112°31'50W	Blue Clay		24	Clay has sandy texture - wet from 20' to 54'
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		54	HOLE END
22B	022B		55°42'57N	Brown Clay	Flat	5	Wet to 14'
			112°31'37W	Blue Clay		12	Sticky blue clay from 12' to bottom
				Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
23B	023B		55°43'00N	Brown Clay	Flat	5	
			112 31 37W	Blue Clay		12	
				Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
24B	024B		55°43'08N	Blue Clay	Flat	5	
			112°31'44W	Blue Clay		12	
				Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		56	HOLE END
25B	025B		55°43'08N	Brown Clay	Flat	12	
			112°31'44W	Sandy Clay		19	Sandy clay layer
				Blue Clay		29	
				Blue Clay		45	
				Blue Clay		54	HOLE END
26B	026B		55°43'14N	Sandy Clay	Flat	12	
			112°31'41W	Sandy Clay		24	
				Sandy Clay		32	
				Sandy Clay		48	HOLE END
27B	027B		55°43'27N	Brown Clay	Flat	7	
			112°31'40W	Brown Clay		12	
				Blue Clay		19	
				Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		54	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
28B	028B		55°43'16N	Brown Clay	Flat	12	
			112°31'44W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		58	HOLE END
29B	029B		55°43'11N	Brown Clay	Flat	20'	
			112°24'37W	Blue Clay		46'	
				Blue Clay		54'	
				Blue Clay		62'	HOLE END
30B	030B		55°43'22N	Blue Clay	Flat	24'	
			112°25'45W	Blue Clay		48'	
				Blue Clay		60'	
				Blue Clay		64'	HOLE END
31B	031B		55°43'21N	Brown Clay	Flat	12'	
			112°25'42W	Blue Clay		24	
				Blue Clay		48	
				Blue Clay		60	HOLE END
32B	032B		55°43'18N	Blue Clay	Flat	20	
			112°25'35W	Sand		30	wet sand - too wet to get good sample
				Sand		32	HOLE END
33B	033B		55°43'19N	Blue Clay	Flat	20	
			112°24'17W	Blue Clay		37	
				Blue Clay		54	
				Blue Clay		64	
				Blue Clay		73	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
34B	034B		55°43'20N	Sand	Flat	12	Very wet sand
			112°24'13W	Sand		18	HOLE END - Too wet
35B	035B		55°43'19N	Sand	Hill	12	Wet sand
			112°24'04W	Sand		24	
				Sand		26	HOLE END - Too wet
36B	036B		55°43'17N	Sand	Hill	12	
			112°24'03W	Sand		24	Very wet drilling
				Sand		28	HOLE END - Too wet
37B	037B		55°43'25N	Blue Clay	Flat	20	
			112°23'34W	Blue Clay		24	
				Blue Clay		43	
				Blue Clay		54	
				Blue Clay		66	HOLE END
38B	038B		55°43'20N	Blue Clay	Flat	12	Hard drilling from 12' to bottom
			112°23'31W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
39B	039B		55°43'19N	Sand Clay	Flat	12	Very wet drilling
			112°23'29W	Sand Clay		18	HOLE END - Too wet

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
45B	045B		55°43'22N	Sand Clay		12	
			112°21'48W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
46B	046B		55°43'18N	Blue Clay		12	
			112°21'37W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
47B	047B		55°43'18N	Blue Clay		12	
			112°20'53W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		46	
				Blue Clay		58	
				Blue Clay		62	HOLE END
48B	048B		55°43'18N	Blue Clay		12	
			112°20'34W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
49B	049B		55°32'51N	Brown Clay	Flat	12	
			112°17'00W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		55	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
50B	050B		55°32'45N	Blue Clay	Flat	12	
			112°17'45W	Blue Clay		20	
				Blue Clay		32	Some minor oxide stain
				Blue Clay		42	
				Blue Clay		54	
				Blue Clay		62	HOLE END
51B	051B		55°32'28N	Blue Clay	Flat	12	
			112°18'37W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
52B	052B		55°32'30N	Blue Clay	Flat	12	
			112°18'47W	Blue Clay		24	HIT ROCK AT 20' - Auger either penetrated or
				Blue Clay		36	walked off
				Blue Clay		48	
				Blue Clay		56	HOLE END
53B	053B		55°32'31N	Blue Clay	Flat	12	
			112°19'46W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
54B	054B		55°32'31N	Blue Clay	Flat	12	
			112°19'49W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
55B	055B		55° 32' 31N	Sand	Flat	12	
			112° 19' 48W	Sand		24	
				Sand		36	
				Sand		48	
				Sand		55	
				Sand		65	
				Blue Clay		85	HOLE END
56B	056B		55°32'20N	Blue Clay	Hillside	12	
			112°19'40W	Blue Clay		20	
				Blue Clay		35	
				Blue Clay		43	
				Blue Clay		52	HOLE END
57B	057B		55°32'22N	Sand	Flat	12	
			112°19'48W	Sand		18	
				Sand		24	
				Sand and Rock		30	HOLE END - Hit rock
58B	058B		55°32'36N	Sand	Flat	22	
			112°20'10W	Blue Clay		37	Top of blue clay
				Blue Clay		43	
				Blue Clay		50	HOLE END
59B	059B		55°32'37N	Sand	Flat	12	
			112°20'08W	Sand		26	
				Blue Clay		32	Top of blue clay
				Blue Clay		50	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
60B	060B		55°32'35N	Sand	Flat	12	
			112°20'07W	Sand		24	
				Sand		30	
				Sand		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
61B	061B		55°32'34N	Sand	Flat	12	
			112°20'08W	Sand		24	
				Sand		30	
				Sand		40	
				Blue Clay		50	
				Blue Clay		60	HOLE END
62B	062B		55°32'43N	Blue Clay	Flat	12	
			112°20'49W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
63B	063B		55°33'13N	Brown Clay	Small Hill	10	Heavily oxidized
			112°23'28W	Sandy Clay		22	
				Blue Clay		40	Top of blue clay
				Blue Clay		48	
				Blue Clay		60	HOLE END
64B	064B		55°33'18N	Sand Clay	Flat	12	
			112°23'37W	Sand Clay		24	
				Sand Clay		38	
				Blue Clay		51	Top of blue clay
				Blue Clay		58	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
65B	065B		55°33'05N	Brown Clay	Small Hill	5	
			112°23'57W	Sandy Clay		7	Heavy oxidation
				Blue Clay		12	Top of blue clay
				Blue Clay		24	Driller notes crystalization--course sand?
				Blue Clay		60	HOLE END
66B	066B		55°33'21N	Sand Clay	Flat to	12	Heavy oxide
			112°23'35W	Sand Clay	Small hill	18	
				Blue Clay		23	
				Blue Clay		30	
				Blue Clay		48	
				Blue Clay		54	HOLE END
67B	067B		55°33'20N	Sand Clay	Flat	17'	Heavy oxid
			112°23'32W	Blue Clay		32	Crystals evident
				Blue Clay		48	
				Blue Clay		60	HOLE END
68B	068B		55°33'16N	Sand Clay	Slight Hill	7	Heavy oxide stain
			112°23'27W	Sand Clay		22	
				Blue Clay		30	Heavy oxide stain
				Blue Clay		38	
				Blue Clay		48	
				Blue Clay		58	HOLE END
69B	069B		55°33'20N	Blue Clay		20	Heavy oxide stain
			112°23'32W	Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END

Sheet1

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
70B	070B		55°33'37N	Sand Clay		7	Heavy oxide stain 7' to bottom
			112°24'19W	Sand Clay		12	Brown clay
				Blue Clay		36	
				Brown Clay		46	
				Brown Clay		54	
71B	071B		55°13'47N	Sandy Clay		12	Heavy oxide stain 12' to bottom
			112°24'21W	Sandy Clay		24	
				Brown Clay		30	
				Brown Clay		48	
				Brown Clay		52	HOLE END
72B	072B		55°33'49N	Brown Sand	Flat	7	Very heavy oxide stain
			112°24'21W	Brown Sand		20	
				Brown Sand		28	
				Sandy Clay		32	
				Sandy Clay		48	HOLE END
73B	073B		55°33'49N	Sandy Clay	Flat	12	
			112°24'21W	Sandy Clay		24	
				Sandy Clay		36	
				Sandy Clay		48	
				Sandy Clay		58	HOLE END
74B	074B		55°33'15N	Sand Clay	Slight Hill	20	
			112°24'06W	Sand Clay		32	Oxidation stains
				Brown Clay		54	Very heavy oxidation

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
75B	075B		55°33'44N	Sand	Slope	12	Heavy oxide stain
			112°24'17W	Sand		24	
				Sandy Clay		36	
				Sandy Clay		48	
				Sandy Clay		60	HOLE END
76B	076B		55°33'46W	Brown Sand	Flat	12	Some oxide stain 12' to bottom
			112°24'13W	Brown Sand		24	
				Brown Sand		36	
				Brown Sand		48	
				Brown Sand		60	HOLE END
77B	077B		55°33'41N	Sandy Clay	Flat	12	Soft crumbly material - oxide stain
			112°24'12W	Sandy Clay		24	
				Sandy Clay		36	
				Sandy Clay		48	
						60	HOLE END
78B	078B		55°33'39N	Sandy Clay	Flat	20	Oxide stain
			112°24'11W	Grey Clay		30	Grey material - spherical pellets
				Grey Clay		36	Heavy oxide stain
				Brown Clay		54	HOLE END
79B	079B		55°33'44N	Sandy Clay	Flat	12	
			112°24'15W	Sandy Clay		24	
				Sandy Clay		36	
				Sandy Clay		48	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
80B	080B		55°33'44N	Brown Clay	Flat	24	Heavy oxide stain.
			112°24'15W	Brown Clay		36	
				Brown Clay		48	
				Brown Clay		56	HOLE END
81B	081B		55°33'43N	Brown Sand	Flat	12	
			112°24'14W	Brown Clay		24	Some oxide stain
				Brown Clay		36	
				Brown Clay		48	
				Brown Clay		56	HOLE END
82B	082B		55°33'43N	Brown Sand	Flat	12	
			112°24'13W	Brown Clay		24	Heavily oxide stained
				Brown Clay		36	
				Brown Clay		48	
				Brown Clay		60	HOLE END
83B	083B		55°33'42N	Brown Clay	Flat	22	
			112°24'12W	Brown Clay		34	
				Brown Clay		48	HOLE END
84B	084B		55°33'42N	Brown Clay	Flat	12	
			112°24'10W	Brown Clay		36	
				Brown Clay		48	
				Brown Clay		60	HOLE END

Sheet1

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
91B	091B		55°33'10N	Brown Clay	Slope	12	No oxide stains
			112°23'28W	Brown Clay		24	
				Brown Clay		36	
				Brown Clay		48	HOLE END
92B	092B		55°33'25N	Brown Silt	Slope	12	
			112°23'35W	Brown Silt		24	
				Brown Clay		28	
				Brown Clay		36	
				Brown Clay		48	
				Brown Clay		60	HOLE END
93B	093B		55°33'24N	Brown Silt	Flat	12	
			112°23'36W	Brown Silt		24	
				Brown Clay		36	
				Brown Clay		48	HOLE END
94B	094B		55°34'04N	Sandy Clay	Flat	12	Some oxide stains 12' to bottom
			112°24'34W	Sandy Clay		24	Clay has some grey sections but mostly b
				Sandy Clay		30	
				Sandy Clay		42	
				Sandy Clay		54	HOLE END
95B	095B		55°33'51N	Brown Clay	Flat	24	Heavy oxide stains
			112°24'28W	Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END

Sheet1

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
96B	096B		55°34'10N	Brown Silt	Flat	12	
			112°24'33W	Brown Clay		24	Silty clay
				Brown Clay		36	
				Brown Clay		48	HOLE END
97B	097B		55°33'46N	Brown Clay	Flat	24	
			112°24'15W	Brown Clay		36	
				Brown Clay		48	
				Brown Clay		60	HOLE END
98B	098B		55°33'58N	Brown Clay	Slope	12	
			112°24'30W	Brown Clay		24	
				Brown Clay		36	
				Brown Clay		48	
				Brown Clay		58	HOLE END
99B	099B		55°33'51N	Brown Sand	Flat	12	
			112°24'17W	Sand		24	
				Sand		36	Heavily oxide stained
				Sand		48	
				Sand		60	HOLE END
100B	100B		55°33'22N	Sandy Clay	Flat	12	Brown sandy clay - heavy oxide stains 12' to bottom
			112°23'42W	Brown Clay		24	
				Sand		30	
				Sandy Clay		54	HOLE END

Sheet1

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
101B	101B		55°33'22N	Brown Clay	Small Hill	12	
			112°23'47W	Brown Clay		30	
				Brown Clay		48	
				Brown Clay		58	HOLE END
102B	102B		55°33'23N	Brown Clay	Small Ridge	12	Oxide stains 12' to bottom
			112°23'52W	Brown Clay		24	
				Brown Clay		36	
				Brown Clay		48	
				Brown Clay		60	HOLE END
103B	103B		55°33'26N	Brown Clay	Flat	12	Very little oxide staining 12' to bottom
			112°23'52W	Brown Clay		24	
				Brown Clay		36	
				Brown Clay		48	HOLE END
104B	104B		55°33'26N	Brown Clay	Flat	12	
			112°23'52W	Brown Clay		24	
				Brown Clay		36	
				Brown Clay		48	
				Brown Clay		54	HOLE END
105B	105B		55°33'18N	Brown Clay	Slight Hill	12	Some oxide stain
			112°23'51W	Brown Clay		20	Some oxide stain
				Brown Clay		54	HOLE END
106B	106B		55°33'12N	Black Clay	Flat	12	Very wet
			112°23'57W	Black Clay		16	HOLE END - Too wet

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
107B	107B		55°33'45N	Brown Sand	Flat	12	Some oxide stain in grey clay layer on surface
			112°24'00W	Brown Sand		24	
				Brown Sand		36	
				Brown Clay		48	
				Sandy Clay		58	HOLE END
108B	108B		55°33'22N	Brown Sand	Slight Hill	12	Minor clay
			112°23'41W	Brown Clay		24	Clay increased 20' to bottom - sandy clay?
				Brown Clay		36	Oxide stains 20' to bottom
				Brown Clay		48	
				Brown Clay		54	HOLE END
109B	109B		55°33'10N	Sand	Flat	12	Oxide stains surface to bottom
			112°23'08W	Sand		24	
				Sandy Clay		36	
				Sandy Clay		48	HOLE END
110B	110B		55°33'01N	Course Sand	Flat	12	Clean quartz sand
			112°22'33W	Course Sand		24	some oxide stain
				Sand		36	
				Sand		48	
				Sand		55	HOLE END
111B	111B		55°33'06N	Sand	Flat	12	Brown sand with quartz rock fragments to 1/2"
			112°22'33W	Sand		23	12' to bottom
				Sand		30	
				Sand		52	HOLE END - hit rock

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
112B	112B		55°33'03N	Sand	Slight Hill	12	Brown sand with ½" quartz fragments 12' to bottom
			112°22'34W	Sand		24	
				Sand		36	
				Sand		48	HOLE END - some clay
113B	113B		55°32'34N	Sand	Flat	12	Brown sand and rock fragments to ½" 12' to bottom
			112°20'16W	Sand		24	
				Sand		36	
				Sand		48	some clay
				Clay Sand		55	HOLE END - some clay
114B	114B		55°32'34N	Sandy Clay	Slight Hill	12	Some oxide stain 12' to bottom
			112°20'13W	Sandy Clay		24	
				Sandy Clay		36	
				Sandy Clay		48	
				Sandy Clay		60	HOLE END
115B	115B		55°32'31N	Sand	Slope	10	
			112°20'02W	Blue Clay		11	
				Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	
				Blue Clay		72	HOLE END
116B	116B		55°32'34N	Brown Clay	Slope	12	Some oxide stain 12' to bottom
			112°20'06W	Brown Clay		24	
				Brown Clay		36	
				Brown Clay		48	
				Brown Clay		58	HOLE END

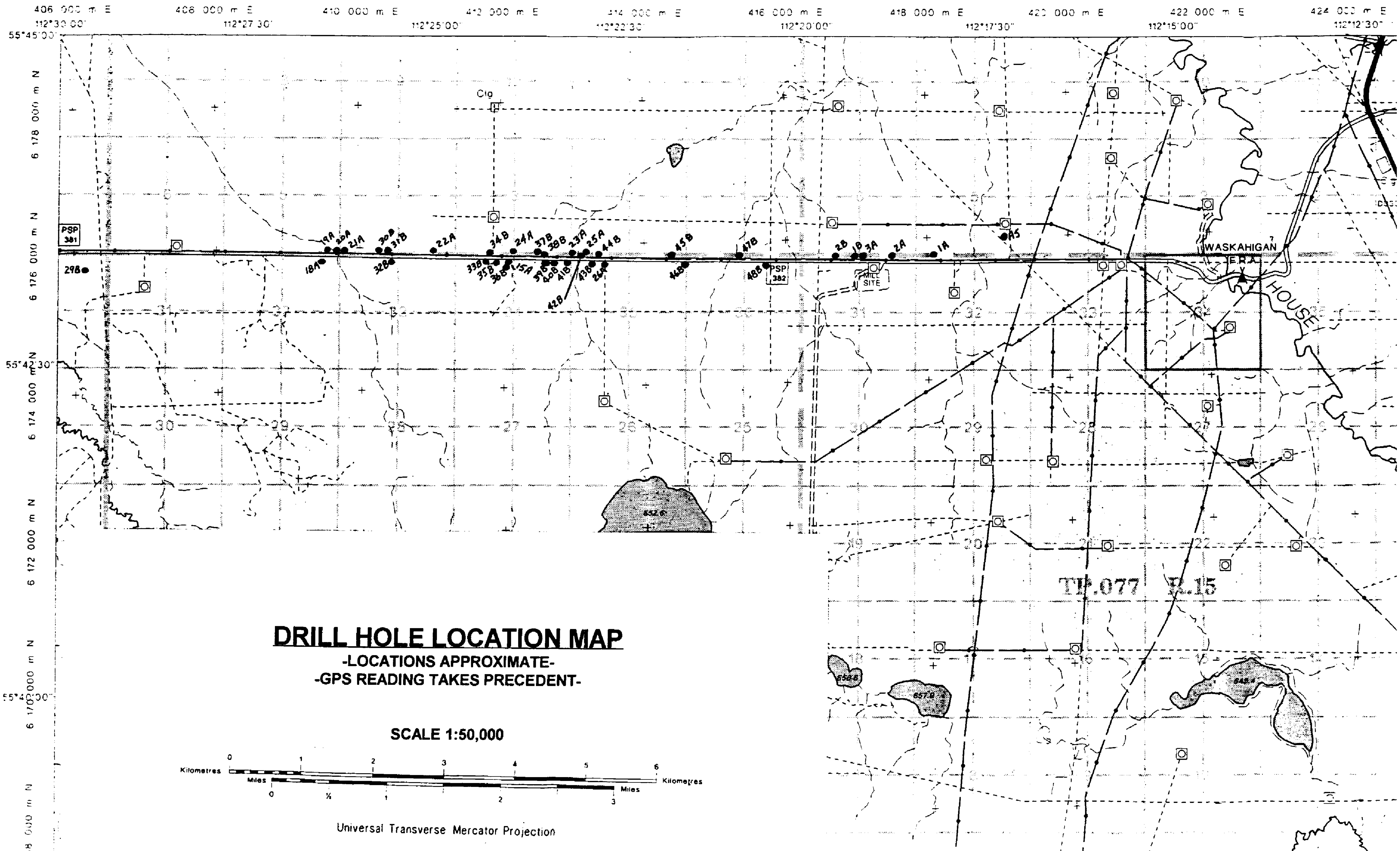
Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
117B	117B		55°32'24N	Brown Clay	Flat	12	
			112°19'50W	Brown Clay		24	
				Brown Clay		40	
				Brown Clay		50	
				Clay		60	
				Clay		75	
				Clay		100	HOLE END
118B	118B		55°32'56N	Blue Clay	Slope	20	Some oxide stains 20' to bottom
			112°21'30W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	
				Blue Clay		60	
				Blue Clay		70	
				Blue Clay		80	
				Blue Clay		90	
				Blue Clay		100	Heavy oxide stains
				Blue Clay		105	HOLE END - Some oxide stain

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
26A	26A		55°43'18N	Blue Clay		20	
			112°22'42W	Blue Clay		30	
				Blue Clay		40	
				Blue Clay		50	HOLE END
27A	27A		55°32'25N	Sandy	Hill	20	
			112°19'53W	Sandy		30	
				Sandy		40	
				Sandy		54	HOLE END
28A	28A		55°32'28N	Black Clay		20	
			112°19'54W	Black Clay		30	
				Black Clay		40	
				Black Clay		52	HOLE END
29A	29A		55°32'26N	Brown Clay	Hill	20	Brown clay mixed with sand
			112°19'56W	Brown Clay		30	
				Brown Clay		40	
				Brown Clay		54	HOLE END
30A	30A		55°32'29N	Black Clay	Low Spot	20	
			112°20'02W	Black Clay		30	
				Black Clay		40	
				Black Clay		52	HOLE END
31A	31A		55°32'31N	Brown Clay		20'	Small rock at 6' - smaller than ½"
		*	112°22'31W	Brown Clay		30	
*	CORRECTION					40	
	DEGREES - Redding					52	HOLE END

Hole #	Tag #	LSD	GPS	Material	Contour	Depth	Comments
40B	040B		55°43'19"N	Sand Clay	Flat	12	
			112°23'23"W	Sand Clay		24	Material shows oxide stains 12' to bottom
				Sand Clay		36	
				Sand Clay		48	
				Sand Clay		53	HOLE END
41B	041B		55°43'19"N	Blue Clay	Flat	12	
			112°23'11"W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	HOLE END
42B	042B		55°43'22"N	Sand		12	Dry sand grades to wet at bottom
			112°22'59"W	Sand		24	
				Sand		36	HOLE END
43B	043B		55°43'12"N	Brown Clay		12	Oxidized
			112°22'51"W	Blue Clay		24	
				Blue Clay		36	
				Blue Clay		48	
				Blue Clay		60	
44B	044B		55°43'22"N	Brown Clay		12	Heavily oxide stained 10' to bottom
			112°22'46"W	Blue Clay		22	
				Blue Clay		30	
				Blue Clay		42	
				Blue Clay		54	
				Blue Clay		62	HOLE END

DRILL LOGS FOR 1997 SEASON

DRILL HOLE NUMBER	SAMPLE DEPTHS
34-1-T1A	15 - 20 - 30 - 35
34-2-T1A	15 - 25 - 30
35-2-T8	15 - 20 - 25 - 35
35-2-T9	15 - 20 - 25 - 35
34-3-T1	15 - 25 - 35
34-3-T2	15 - 20 - 30
34-3-T3	10 - 20 - 30
34-3-T4	05 - 20 - 30
34-3-T5	10 - 20 - 30 - 35
34-3-T6	15 - 20 - 30 - 35
34-3-T7	15 - 20 - 40
34-5-T5	15 - 20 - 30 - 35
34-5-T6	15 - 20 - 25 - 30
34-5-T7	10 - 20 - 30 - 40
34-7-T4	05 - 15 - 25 - 35
34-7-T5	10 - 20 - 35
34-7-T7	15 - 25 - 35
33-2-T3	10 - 30 - 45
33-2-T4	15 - 25 - 45
29-4-T6	10 - 20 - 30 - 40 - 45
29-4-T7	15 - 25 - 35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408 000 m E
410 000 m E
412 000 m E
414 000 m E
416 000 m E
418 000 m E
420 000 m E
422 000 m E
424 000 m E
112°30'00"
112°27'30"
112°25'00"
112°22'30"
112°20'00"
112°17'30"
112°15'00"
112°12'30"
55°45'00"
55°42'30"
55°40'00"
6 178 000 m N
6 176 000 m N
6 174 000 m N
6 172 000 m N
6 170 000 m N
6 168 000 m N
PSP 381
PSP 382
MILL SITE
WASKAHIGAN
HOUSE
TP.077 R.15
DRILL HOLE LOCATION MAP
-LOCATIONS APPROXIMATE-
-GPS READING TAKES PRECEDENT-
SCALE 1:50,000
Kilometres
Miles
Universal Transverse Mercator Projection

DRILL HOLE LOCATION MAP

-LOCATIONS APPROXIMATE-
-GPS READING TAKES PRECEDENT-

SCALE 1:50,000

Kilometres 0 1 2 3 4 5 6 Kilometres
Miles 0 ½ 1 2 3 Miles

Universal Transverse Mercator Projection

• *56B* - **DRILL HOLE AND LOG NUMBER**

PSP 3039
PSP 3038
PSP 3037
LINE 33-4
LINE 33-2
LINE 34-7
LINE 34-5
LINE 34-3
LINE 34-1
LINE 35-2
LINE 34-2
LINE 29-4
LINE 29-6
LINE 29-3
LINE 29-1
LINE 28-5
LINE 28-3
LINE 28-1
TRENCH
63

55°33'30"
55°30'00"
112°30'00"
112°27'30"
112°25'00"
112°22'30"
112°20'00"
112°17'30"
112°15'00"
112°12'30"
405 000 m E
408 000 m E
410 000 m E
412 000 m E
414 000 m E
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418 000 m E
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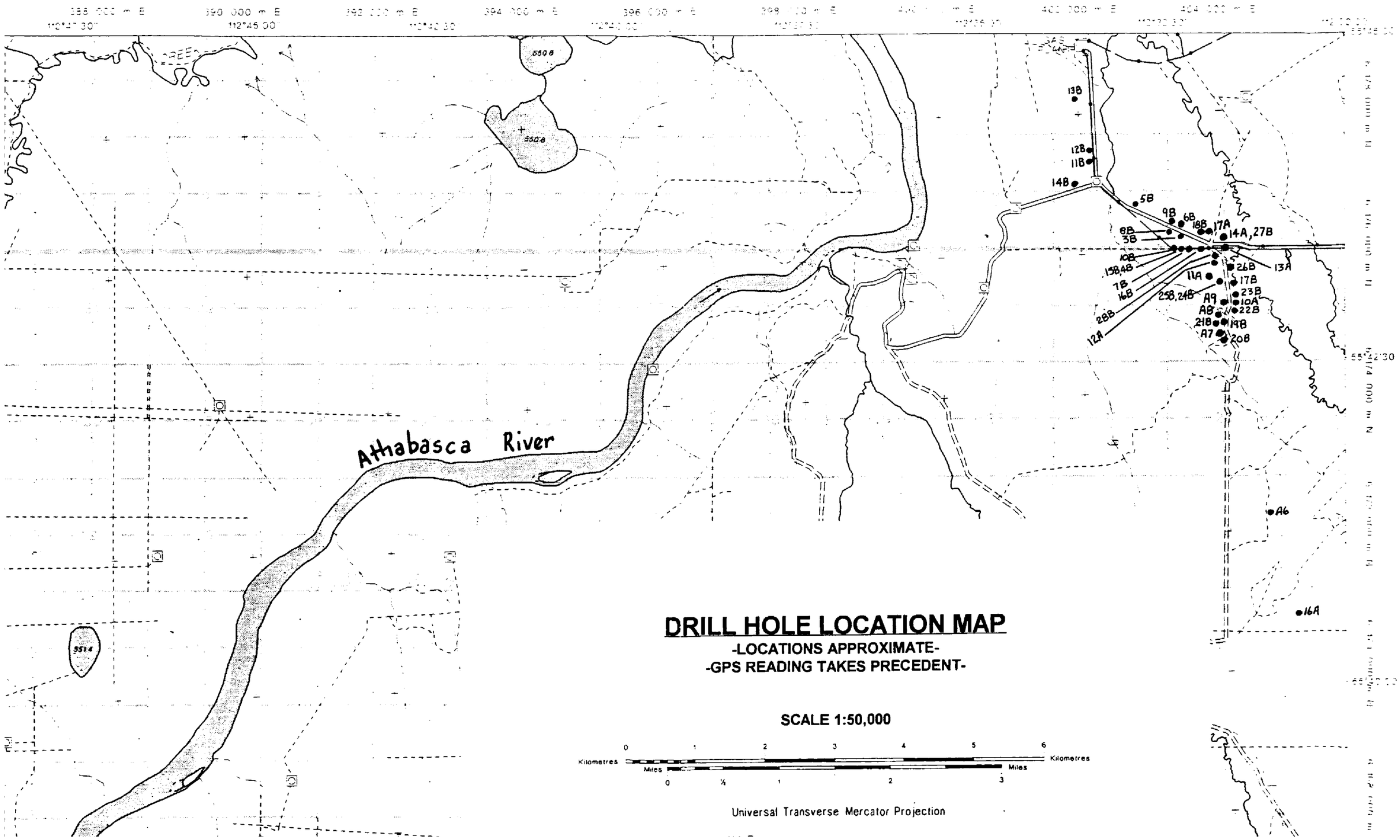
422 000 m E
424 000 m E

SHEET NO. 83-P-09

SHEET NO. 83-P-10



DRILL HOLE LOCATION MAP

-LOCATIONS APPROXIMATE-
-GPS READING TAKES PRECEDENT-

SCALE 1:50,000

Kilometres 0 1 2 3 4 5 6 Kilometres
Miles 0 ¼ 1 2 3 Miles

Universal Transverse Mercator Projection