

AESI

Subsurface Exploration, Geologic Hazard, and
Preliminary Geotechnical Engineering Report

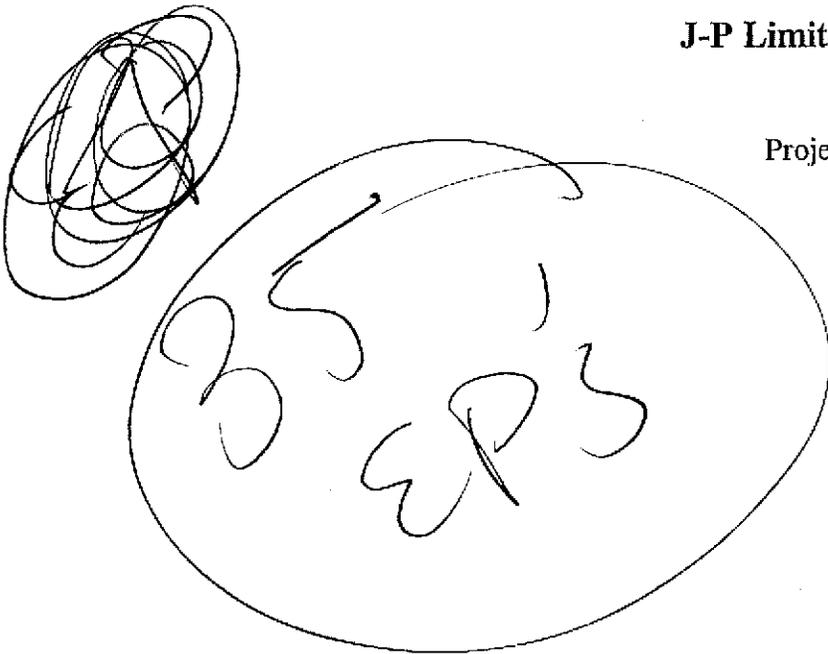
FAY RIDGE

East King County, Washington

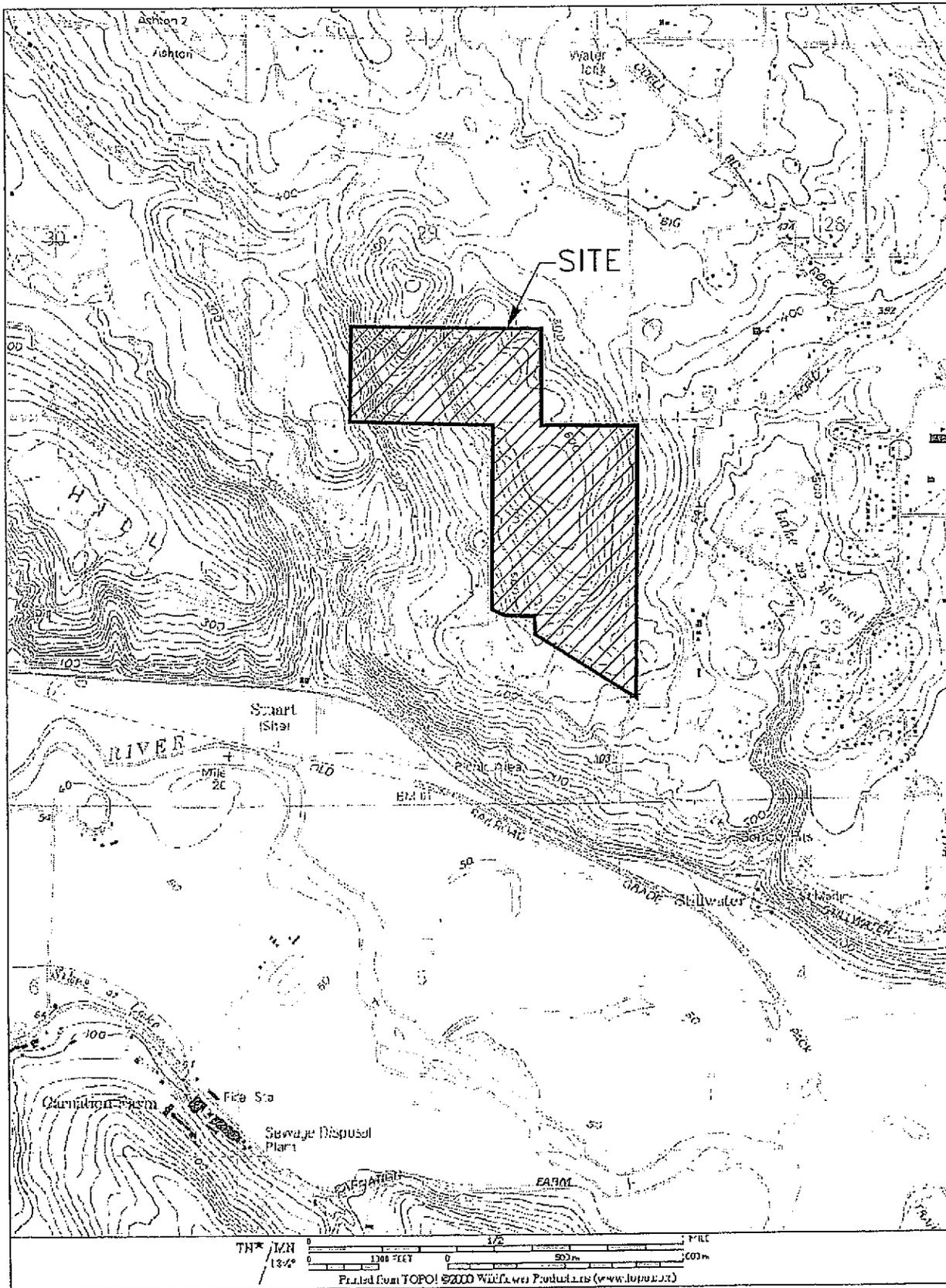
Prepared for

J-P Limited Partnership

Project No. KE00179A
August 15, 2000

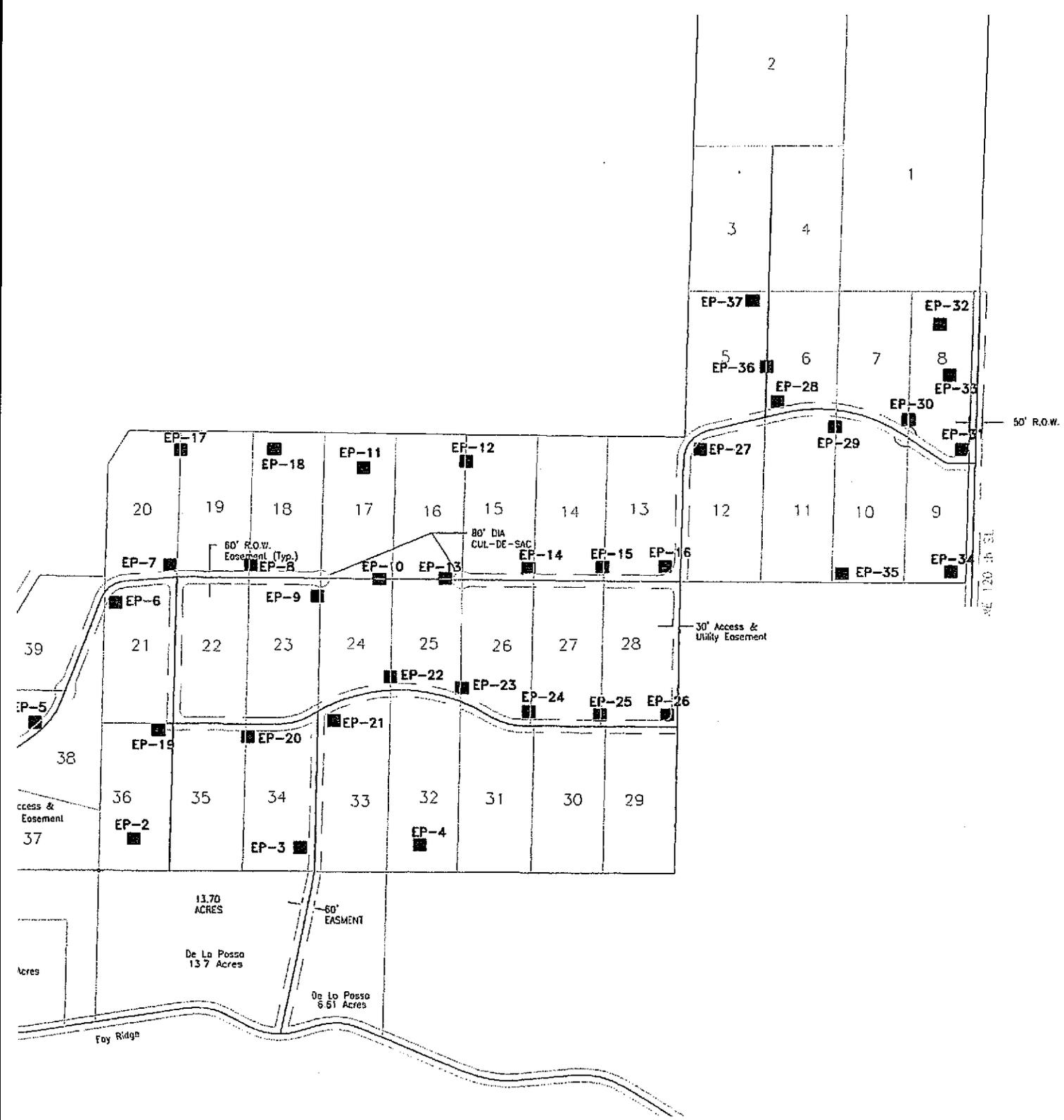


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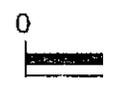


VICINITY MAP
 FAY RIDGE
 KING COUNTY, WASHINGTON

FIGURE



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 EP-1 ■ Ap
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LOG OF EXPLORATION PIT NO. EP-1

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Advance Outwash
	Loose to medium dense, moist, brown, SILTY SAND with GRAVEL, with cobbles (SM).
2	Advance Outwash
3	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with cobbles (SM); becomes very moist below 5 1/2'; becomes very moist with little gravel below 8'; 4" thick gravelly silt lense present @ 7 1/2'.
4	
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10	Bottom of exploration pit at depth 9 feet Slow seepage with minor sloughing 6'-7 1/2'.
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**Fay Ridge
King County, WA**

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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-2

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Advance Outwash
2	Medium dense, moist, reddish-brown to light brown, SILTY SAND with GRAVEL, scattered cobbles and boulders (SM); contains abundant roots 0'-1'.
3	Advance Outwash
4	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with cobbles (SM); becomes very moist and less silty below 6 1/2'; becomes wet 7 1/2'-8 1/2'.
5	
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10	Bottom of exploration pit at depth 9.5 feet Slow seepage with minor sloughing 7 1/2'-8 1/2'.
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**Fay Ridge
King County, WA**

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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-3

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose to medium dense, moist, reddish-brown to tan, SILTY SAND with GRAVEL, with cobbles (SM); contains abundant roots.
3	Lodgement Till
4	Very dense, moist, brownish-gray, SILTY SAND with GRAVEL, with cobbles (SM); becomes mottled and wet 3 1/2'-4'.
5	
6	
7	
8	Bottom of exploration pit at depth 7 feet Slow seepage 3 1/2'-4', no caving. Note: excavation very difficult below 4 1/2'.
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Fay Ridge King County, WA

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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-4

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND with GRAVEL, scattered cobbles (SM); contains abundant roots to 3.5'.
3	
4	Lodgement Till
5	Very dense, very moist to wet, grayish-brown, SILTY SAND with GRAVEL, scattered cobbles (SM); becomes moist below 4 1/2'; mottled 3 1/2'-4 1/2'.
6	
7	
8	
9	Bottom of exploration pit at depth 8 feet Slow, spotty seepage 3 1/2'-4 1/2', no caving. Note: excavation very difficult below 4 1/2'.
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Fay Ridge King County, WA

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Project No. KE00179A
April 2000

LOG OF EXPLORATION PIT NO. EP-5

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND with GRAVEL, with cobbles and boulders (SM); becomes medium dense and light brown below 3'; contains abundant roots above 3'.
3	
4	
5	
6	Lodgement Till
7	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with cobbles and boulders (SM); mottled 5'-6 1/2'.
8	
9	Bottom of exploration pit at depth 8 feet Due to refusal on a large boulder, no seepage, no caving.
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King County, WA**

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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-6

Depth, ft.	DESCRIPTION
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	Forest Duff
1	Weathered Till Medium dense, moist, light brown, SILTY SAND with GRAVEL and scattered cobbles (SM).
2	Ablation Till
3	Dense, very moist to wet, grayish-brown with isolated zones of mottling, SILTY SAND with GRAVEL, scattered cobbles and boulders (SM).
4	
5	
6	
7	Lodgement Till
8	Very dense, very moist, grayish-brown, SILTY SAND with GRAVEL and scattered cobbles and boulders (SM).
9	
10	
11	Bottom of exploration pit at depth 10 feet Slow, spotty seepage 0'-5', no caving.
12	
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Fay Ridge King County, WA

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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-7

Depth, ft	<p>This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p style="text-align: center;">DESCRIPTION</p>	
1	<p style="text-align: center;">Weathered Till</p> <p>Medium dense, very moist, light brown, SILTY SAND with GRAVEL and scattered cobbles and boulders (SM); contains a 3" (max) thick lense of fine to medium sand @ 2'.</p>	
2		
3	<p style="text-align: center;">Ablation Till</p> <p>Dense, very moist, grayish-brown, SILTY SAND with GRAVEL and scattered cobbles and boulders (SM); exhibits rust mottling 3'-5'.</p>	
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12	<p>Bottom of exploration pit at depth 11 feet No seepage, no caving.</p>	
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**Fay Ridge
King County, WA**

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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-8

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND with GRAVEL (SM); becomes medium dense, very moist and light brown with mottling below 1', contains abundant roots above 1'.
3	
4	Ablation Till
5	Dense, very moist, grayish-brown, SILTY SAND with GRAVEL and scattered boulders and cobbles (SM).
6	Lodgement Till
7	Very dense, very moist, grayish-brown, SILTY SAND with GRAVEL and scattered boulders and cobbles (SM).
8	
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12	Bottom of exploration pit at depth 11 feet No seepage, no caving.
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**Fay Ridge
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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-9

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Advance Outwash
2	Loose to medium dense, moist, reddish-brown to brown, SILTY SAND with GRAVEL (SM); contains abundant roots.
3	Advance Outwash
4	Very dense, moist, gray SAND with GRAVEL, little silt (SW); becomes silty below approximately 6 1/2' (SM).
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10	Bottom of exploration pit at depth 9.5 feet No seepage, no caving.
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April 2000

LOG OF EXPLORATION PIT NO. EP-10

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Advance Outwash
2	Loose to medium dense, moist, reddish-brown, SILTY SAND with GRAVEL (SM); contains abundant roots.
3	
4	Advance Outwash
5	Very dense, moist, brownish-gray, SAND with GRAVEL, little silt (SW); becomes silty 6'-9' (SM); few silt below 9' (SW).
6	
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12	Bottom of exploration pit at depth 11 feet No seepage, no caving.
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April 2000

LOG OF EXPLORATION PIT NO. EP-11

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Advance Outwash
	Loose to medium dense, moist, reddish-brown to brown, SILTY SAND, little gravel (SM); contains abundant roots to 1.5'.
2	Advance Outwash
3	Dense to very dense, moist, brownish-gray SAND with GRAVEL, little silt (SW); becomes very moist with little gravel and trace silt below 6 1/2'; contains a 6" thick lense of very stiff, very moist mottled tan SILT @ 8'-8 1/2'.
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5	
6	Qg/W
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10	Bottom of exploration pit at depth 9 feet No seepage, no caving.
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April 2000

LOG OF EXPLORATION PIT NO. EP-12

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Medium dense, very moist, grayish-brown, SILTY SAND with GRAVEL and scattered cobbles (SM).
3	
4	Lodgement Till
5	Very dense, moist to very moist, brownish-gray, SILTY SAND with GRAVEL and scattered cobbles (SM).
6	Advance Outwash
7	Very dense, moist, brownish-gray, GRAVEL with SAND, trace silt; gravel up to 4" in diameter; little silt below 7' (GW).
8	Qglv
9	Bottom of exploration pit at depth 8.5 feet No seepage, no caving.
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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-13

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown to tan, SILTY SAND with GRAVEL, scattered cobbles; becomes medium dense below 2' (SM).
3	
4	Lodgement Till
5	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, scattered cobbles and boulders (SM).
6	
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10	Bottom of exploration pit at depth 9 feet Due to refusal on a boulder, no seepage, no caving.
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**Fay Ridge
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April 2000

LOG OF EXPLORATION PIT NO. EP-14

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND, little gravel (SM); becomes medium dense, very moist and grayish-brown with mottling below 3'.
3	
4	
5	Lodgement Till
6	Dense, very moist, grayish-brown, SILTY SAND, little gravel (SM); contains scattered cobbles; becomes very dense and moist below 8'.
7	
8	
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11	Bottom of exploration pit at depth 10 feet No seepage, no caving.
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April 2000

LOG OF EXPLORATION PIT NO. EP-15

Depth, ft.	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND with GRAVEL (SM); becomes medium dense, very moist and tan with rust mottling below 2 1/2'
3	
4	
5	
6	
7	Lodgement Till
8	Very dense, moist, light brown, SILTY SAND, little gravel, scattered cobbles and boulders (SM).
9	
10	
11	Bottom of exploration pit at depth 10.5 feet Slow, spotty seepage 4 1/2'-6', no caving
12	
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**Fay Ridge
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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-16

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till Loose, moist, brown, SILTY SAND with GRAVEL, with cobbles (SM); contains abundant roots.
2	Lodgement Till
3	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with abundant cobbles and scattered boulders (SM).
4	
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9	Bottom of exploration pit at depth 8 feet No seepage, no caving. Note: excavation very difficult below 6'.
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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-17

Depth, ft	DESCRIPTION
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	Forest Duff
	Weathered Till
1	Loose, moist, reddish-brown, SILTY SAND with GRAVEL, with cobbles; becomes medium dense, very moist and tan below 2' (SM); becomes wet @ 3.5'.
2	
3	
	Lodgement Till
4	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with cobbles (SM).
5	
6	
7	Bottom of exploration pit at depth 6 feet Slow seepage @ 3 1/2', no caving.
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**Fay Ridge
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LOG OF EXPLORATION PIT NO. EP-18

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND with GRAVEL, with cobbles and scattered boulders (SM); becomes medium dense below approximately 2 1/2'; abundant roots above 2'.
3	
4	Lodgement Till
5	Very dense, moist, brownish-gray, SILTY SAND with GRAVEL, with cobbles and scattered boulders.
6	
7	
8	Bottom of exploration pit at depth 7 feet No seepage, no caving. Note: a large glacial erratic ~10'x5'x5' is on the surface next to pit.
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**Fay Ridge
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LOG OF EXPLORATION PIT NO. EP-19

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
	Loose, moist, brown, SILTY SAND with GRAVEL, with cobbles (SM); becomes medium dense and tan below 1 1/2'; contains abundant roots above 1 1/2'.
2	Lodgement Till
	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL (SM); contains abundant cobbles, scattered boulders.
3	
4	
5	Advance Outwash
	Very dense, moist, brown, SILTY GRAVEL with SAND (GW); contains scattered cobbles.
6	
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9	Bottom of exploration pit at depth 8.5 feet No seepage, no caving.
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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-20

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose, moist to very moist, brown, SILTY SAND with GRAVEL, with cobbles and scattered boulders (SM); becomes medium dense below approximately 2'; abundant roots above 2'.
3	
4	Lodgement Till
5	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with cobbles and scattered boulders (SM); mottled 3 1/2'-4 1/2'.
6	
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9	
10	Bottom of exploration pit at depth 9.5 feet No seepage, no caving. Note: excavation becomes very difficult below 8'.
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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-21

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND, little gravel (SM); becomes medium dense and tan below 2 1/2'; abundant roots 0'-2 1/2'.
3	
4	Lodgement Till
5	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with cobbles, scattered boulders (SM).
6	Advance Outwash
7	Very dense, very moist, grayish-brown, SAND with GRAVEL, little silt, scattered cobbles (SW); becomes wet below 6 1/2'; becomes silty 7 1/2'-8'; trace silt below 8'.
8	
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11	Bottom of exploration pit at depth 10.5 feet Moderately rapid seepage with continuous sloughing below 6 1/2'.
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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-22

Depth, ft	DESCRIPTION
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	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND with GRAVEL and scattered cobbles (SM); becomes medium dense and tan below 1 1/2'; abundant roots above 1 1/2'.
3	
4	Lodgement Till
5	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, and scattered cobbles (SM).
6	Advance Outwash
7	Very dense, moist to very moist, grayish-brown, SAND with GRAVEL, little silt (SW); becomes wet below 6 1/2'.
8	
9	Hard, moist, tan SILT (ML). Q₉U
10	Very dense, wet, brown, SILTY SAND with GRAVEL (SM). old >
11	
12	Bottom of exploration pit at depth 11 feet Moderately rapid seepage 6 1/2'-8 1/2' accompanied by minor sloughing.
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**Fay Ridge
King County, WA**

Logged by: TJP

Approved by: *TJP*



Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-23

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Till
2	Loose, reddish-brown, SILTY SAND with GRAVEL with cobbles (SM); becomes medium dense and tan below 2', abundant roots 0'-2'.
3	
4	Lodgement Till
5	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with cobbles (SM).
6	
7	
8	
9	
10	Bottom of exploration pit at depth 9 feet No seepage, no caving. Note: excavation very difficult below 7 1/2'.
11	
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**Fay Ridge
King County, WA**

Logged by: TJP

Approved by: *TJP*



Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-24

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND with GRAVEL, with cobbles (SM); becomes medium dense, very moist, and tan below 2 1/2'; contains abundant roots 0'-2'.
3	
4	Lodgement Till
5	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL with cobbles (SM).
6	
7	
8	
9	Bottom of exploration pit at depth 8 feet No seepage, no caving.
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**Fay Ridge
King County, WA**

Logged by: TJP

Approved by: *TJP*



Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-25

Depth, ft	<p style="font-size: small;">This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p style="margin-top: 10px;">DESCRIPTION</p>
1	<p style="margin-top: 0;">Forest Duff</p> <hr/> <p style="text-align: center; margin-top: 0;">Weathered Till</p> <p style="margin-top: 0;">Loose, moist, reddish-brown, SILTY SAND with GRAVEL and scattered cobbles (SM), becomes medium dense, very moist and tan below 2'; abundant roots 0'-2'.</p>
2	
3	
4	<hr/> <p style="text-align: center; margin-top: 0;">Lodgement Till</p> <p style="margin-top: 0;">Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with cobbles, scattered boulders (SM).</p>
5	
6	
7	
8	
9	
10	<hr/> <p style="margin-top: 0;">Bottom of exploration pit at depth 9 feet No seepage, no caving.</p>
11	
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**Fay Ridge
King County, WA**

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Approved by: *TJP*



Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-26

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered
	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND with GRAVEL (SM); becomes medium dense, very moist, and tan below 2.5'; contains abundant roots 0'-2 1/2'.
3	
4	
5	Lodgement Till
6	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL (SM).
7	
8	
9	
10	Bottom of exploration pit at depth 9 feet No seepage, no caving.
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**Fay Ridge
King County, WA**



Logged by: TJP
Approved by: *TJP*

Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-27

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Till
2	Loose, moist, brown, SILTY SAND with GRAVEL, scattered cobbles (SM); becomes medium dense, very moist, and tan below 1 1/2'.
3	Lodgement Till
4	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with cobbles (SM).
5	
6	
7	
8	Advance Outwash
9	Very dense, very moist, brown, SILTY SAND with GRAVEL (SM).
10	
11	
12	Bottom of exploration pit at depth 11 feet No seepage, no caving.
13	
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**Fay Ridge
King County, WA**

Logged by: TJP
Approved by:



Project No. KE00179A
April 2000

LOG OF EXPLORATION PIT NO. EP-28

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Till
2	Loose to medium dense, very moist, light brown, SILTY SAND with GRAVEL, with cobbles (SM); abundant roots 0'-1'.
3	Lodgement Till
4	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL, with cobbles (SM).
5	Advance Outwash
6	Very dense, moist, grayish-tan, SILTY GRAVEL with SAND (GW); contains scattered cobbles.
7	
8	
9	
10	Bottom of exploration pit at depth 9 feet No seepage, no caving.
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Fay Ridge King County, WA

Logged by: TJP
Approved by:



Project No. KE00179A
April 2000

LOG OF EXPLORATION PIT NO. EP-29

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Lodgement Till
2	Loose, moist, tan, SILTY fine SAND, few gravel (SM); becomes medium dense and very moist below 2 1/2'.
3	
4	Lodgement Till
5	Dense, very moist, grayish-brown, SILTY fine SAND, few gravel (SM); becomes very dense below 10 1/2'; contains scattered cobbles.
6	
7	
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11	
12	Bottom of exploration pit at depth 11 feet No seepage, no caving.
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KCTP3 00179.GPJ April 20, 2000

**Fay Ridge
King County, WA**

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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-30

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Till
2	Loose, moist, brown, SILTY SAND, little gravel; becomes medium dense, very moist and tan with mottling below 3'; abundant roots 0'-3' (SM).
3	
4	
5	
6	Lodgement Till
7	Very dense, moist, brown, SILTY SAND, little gravel (SM); contains scattered cobbles.
8	
9	Bottom of exploration pit at depth 7.5 feet No seepage, no caving.
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**Fay Ridge
King County, WA**



Logged by: TJP
Approved by: *TJP*

Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-31

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND with GRAVEL (SM); becomes medium dense, very moist and tan below 1 1/2'; abundant roots 0'-1 1/2'.
3	Lodgement Till
4	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL (SM).
5	
6	
7	Bottom of exploration pit at depth 6 feet No seepage, no caving.
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**Fay Ridge
King County, WA**

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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-32

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Advance Outwash Medium dense, moist, tan, SILTY SAND with GRAVEL, with cobbles (SM).
2	Advance Outwash Very dense, moist, grayish-brown, SAND with GRAVEL, little silt (SW); contains scattered cobbles; becomes very moist and silty below 5'.
3	Gg/v
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5	
6	
7	Bottom of exploration pit at depth 6 feet No seepage, no caving.
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Fay Ridge
King County, WA

Logged by: TJP

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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-33

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Till
2	Loose, moist, reddish-brown, SILTY SAND with GRAVEL, with cobbles (SM); becomes medium dense, very moist, and tan below 2 1/2'; abundant roots 0'-1 1/2'.
3	
4	
5	Lodgement Till
6	Dense, very moist, light brown, SILTY SAND with GRAVEL, with cobbles (SM).
7	
8	
9	Bottom of exploration pit at depth 8 feet No seepage, no caving.
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KCTP3 00179.GPJ April 20, 2000

Fay Ridge King County, WA

Logged by: TJP
Approved by: *TJP*



Project No. KE00179A
April 2000

LOG OF EXPLORATION PIT NO. EP-34

Depth, ft	<p>This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p style="text-align: center;">DESCRIPTION</p>	
1	Fill 2"-4" compacted crushed rock.	
2	Weathered Till Medium dense, moist to very moist, brown, SILTY SAND, little gravel; becomes wet @ 3' (SM).	
3	Lodgement Till Dense, very moist, gray with roots mottling, SILTY SAND, little gravel; scattered cobbles (SM); becomes very dense below 4'; no cobbles below 6'.	
4		
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8		
9	Bottom of exploration pit at depth 8.5 feet Slow seepage @ 3', no caving.	
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**Fay Ridge
King County, WA**

Logged by: TJP

Approved by: 



Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-35

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Till
2	Loose, moist, brown, SILTY SAND with GRAVEL (SM); becomes medium dense and very moist below 2'; abundant roots 0'-2'; wet 4 1/2'-5'.
3	
4	
5	Lodgement Till
6	Very dense, moist, grayish-brown, SILTY SAND with GRAVEL (SM).
7	
8	Bottom of exploration pit at depth 7 feet Slow seepage 4 1/2'-5', no caving.
9	
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**Fay Ridge
King County, WA**

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Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-36

goes w/ Fay Ridge Report

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
	Advance Outwash
1	Loose to medium dense, moist, tan, SILTY, COBBLE GRAVEL with SAND (GW); becomes medium dense to dense below 5'.
2	
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11	Bottom of exploration pit at depth 10.5 feet No seepage, no caving.
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**Fay Ridge
King County, WA**

Logged by: TJP

Approved by: *TJP*



Project No. KE00179A

April 2000

LOG OF EXPLORATION PIT NO. EP-37

Depth, ft	DESCRIPTION
	This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.
	Forest Duff
1	Weathered Advance Outwash
2	Loose to medium dense, moist, reddish-brown, SILTY SAND with GRAVEL (SM); abundant roots 0'-2'.
3	
	Advance Outwash
4	Dense to very dense, moist, brown, SAND with GRAVEL, little silt; contains scattered cobbles (SW).
5	
6	
7	Bottom of exploration pit at depth 6 feet No seepage, no caving.
8	
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**Fay Ridge
King County, WA**



Logged by: TJP
Approved by: *TJP*

Project No. KE00179A

April 2000