Glacier's Edge
Soil Consulting

Dena L. Anderson
Professional Soil Scientist
IRSS #90
IAPSC-CPSC #49

(812) 591-3770
(812) 525-6433

Assistance Request Information for On-Site Septic Tank Absorption Field Sewage Disposal System

Date of assistance
6/19/24

Person(s) requesting
Kevin Presnell c/o Farm Flex Capital
PO Box 123
Morgantown, IN 46160

Telephone number
317 752 - 6880

Name of owner

Site location
14797 N State Road 156, Patriot, IN 47038

Legal land description
SW ¼ of the NW ¼ section 25, T. 3 N. and R. 1 W.

Parcel ID
78-02-25-200-010.000-006

Soil survey Switzerland
Atlas sheet 7

Site geology
Loess over Ordovician bedrock residuum

Purpose of assistance
Residential Septic Evaluation

Number of bedrooms 3

Persons present during investigation
Dena L. Anderson, Kevin Presnell, Joe Parham

Stage of development
Preliminary to rezoning and new construction

Location of well or water source
Rural water is the source for these building lots

Comments
This report contains preliminary investigations for lot sizing and feasibility. One small backhoe pit was conducted in the river front lots in the area most likely to support a septic system. The ridge lots were hand auger/push probe evaluated. Upon sale and prior to home construction a full site evaluation will be needed to meet state septic system evaluation minimums and to accommodate furture home placement

Given my present expertise of Soil Science, Soil Genesis, Soil Morphology, Glacial Geology, and Geomorphology in accordance with Federal, State, and Local regulations in addition to the information provided to me by the client, landowner, real estate agent, or county sanitarian, I **Dena L. Anderson** certify, to the best of my knowledge, that the information contained in this report is complete and accurate. The results of this on-site soil investigation reflect the soil properties, genesis, landscape evolution, and chemical data of the indicated boring locations. Investigations in other areas will reflect different results. This report does not pertain if there are any changes or alterations as a result of grading, filling, compacting, or any other disturbances that would otherwise destroy the soil properties described at the time this on-site investigation was completed. Duplication or alteration of this report by any party other than Glacier's Edge Soil Consulting renders this report invalid. This report is not valid unless signed by **Dena L. Anderson.**

/s/ Dena L. Anderson — 7/16/24

Dena L. Anderson — **Date**
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BORING #:	1	DESCRIPTION OF BORING LOCATION:	Small backhoe pit near center of the proposed lot

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X						X				

Ponding or Flooding:	NO	% Slope	8	Aspect	N	Family Classification:	Fine, illitic, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+60"			+60"			

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Pate	Soil Series of Boring:	Pate

SOIL PROPERTIES

DEPTH (IN)	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-	ROOTS	EFFERVES-	PARENT	%	OTHER	
	MATRIX	MOTTLES	COATINGS	USDA	USDA	TANCY		CENCE	MATERIAL	CLAY		
0 – 7 A	10YR 4/2			Silt loam	Moderate medium granular	Friable	Many		Loess/Colluvium	24	3% channers	
7 – 38 2Bt1	10YR 5/4		10YR 5/3 Clay	Silty clay loam	Moderate fine and medium subangular blocky	Firm	Many to few in the lower part		Limestone/ Colluvium	38	5% channers	
38 – 60 3Bt2	2.5Y 5/3		10YR 4/2 Clay	Silty clay	Weak medium subangular blocky	Firm	Few		Shale residuum	52	8% channers	

BORING #:	2	DESCRIPTION OF BORING LOCATION:	Small backhoe pit near center of the proposed lot

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Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X						X				

Ponding or Flooding:	NO	% Slope	8	Aspect	N	Family Classification:	Fine, illitic, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+60"			+60"			

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Pate	Soil Series of Boring:	Pate

SOIL PROPERTIES

DEPTH (IN)	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-	ROOTS	EFFERVES-	PARENT	%	OTHER	
	MATRIX	MOTTLES	COATINGS	USDA	USDA	TANCY		CENCE	MATERIAL	CLAY		
0 – 6 A	10YR 4/2			Silt loam	Moderate medium granular	Friable	Many		Loess/Colluvium	24	3% channers	
6 – 41 2Bt1	10YR 5/4		10YR 5/3 Clay	Silty clay loam	Moderate fine and medium subangular blocky	Firm	Many to few in the lower part		Limestone/ Colluvium	30	5% channers	
41 – 60+ 3Bt2	2.5Y 6/4		10YR 6/3 Clay	Silty clay	Weak medium subangular blocky	Firm	Few		Shale residuum	56	8% channers	

BORING #:	3	DESCRIPTION OF BORING LOCATION:	Small backhoe pit near center of the proposed lot

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain

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X						X					

Ponding or Flooding:	NO	% Slope	7	Aspect	N	Family Classification:	Fine, illitic, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+58"			+58"			

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Pate	Soil Series of Boring:	Pate

SOIL PROPERTIES

DEPTH (IN)	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-	ROOTS	EFFERVES-	PARENT	%	OTHER	
	MATRIX	MOTTLES	COATINGS	USDA	USDA	TANCY		CENCE	MATERIAL	CLAY		
0 – 4 A	10YR 4/2			Silt loam	Moderate medium granular	Friable	Many		Loess/Colluvium	24	3% channers	
4 – 28 2Bt1	10YR 5/4		10YR 5/3 Clay	Silty clay loam	Moderate fine and medium subangular blocky	Firm	Many to few in the lower part		Limestone/ Colluvium	30	5% channers	
28 – 48 3Bt2	2.5Y 5/4		10YR 5/3 Clay	Silty clay	Weak medium subangular blocky	Firm	Few		Shale residuum/ Colluvium	47	8% channers	
48 – 58+ 3Bt3	2.5Y 6/4		10YR 6/3 Clay	Channery Silty clay	Weak medium subangular blocky	Firm			Shale residuum/ Colluvium	56	28% channers	

BORING #:	4	DESCRIPTION OF BORING LOCATION:	Small backhoe pit near center of the proposed lot

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X						X				

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Ponding or Flooding:	NO	% Slope	7	Aspect	N	Family Classification:	Fine, illitic, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+60"			+58"			

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Pate	Soil Series of Boring:	Pate

SOIL PROPERTIES

DEPTH (IN)	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-	ROOTS	EFFERVES-	PARENT	%	OTHER	
	MATRIX	MOTTLES	COATINGS	USDA	USDA	TANCY		CENCE	MATERIAL	CLAY		
0 – 4 A	10YR 5/3			Silt loam	Moderate medium granular	Friable	Many		Loess/Colluvium	24	3% channers	
4 – 9 2Bt1	10YR 5/4	10YR 6/6	10YR 5/3 Clay	Silty clay loam	Moderate fine and medium subangular blocky	Firm	Many		Limestone/ Colluvium	30	5% channers	
9 – 28 2Bt2	2.5Y 5/4	10YR 6/6	10YR 5/3 Clay	Silty clay loam	Weak medium subangular blocky	Firm	Many to few in the lower part		Shale residuum/ Colluvium	38	8% channers	
28 – 58+ 3Bt3	2.5Y 5/4	10YR 6/6	10YR 6/1 Clay	Silty clay	Weak medium subangular blocky	Firm			Shale residuum	56	7% channers	

BORING #:	5	DESCRIPTION OF BORING LOCATION:	Small backhoe pit near center of the proposed lot

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X						X				

Ponding or Flooding:	NO	% Slope	7	Aspect	N	Family Classification:	Fine, illitic, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other

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		+60”			+60”			Slickensides 48”

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Pate	Soil Series of Boring:	Pate

SOIL PROPERTIES

DEPTH (IN)	SOIL COLOR			TEXTURE USDA	STRUCTURE USDA	CONSISTANCY	ROOTS	EFFERVESCENCE	PARENT MATERIAL	% CLAY	OTHER	
	MATRIX	MOTTLES	COATINGS									
0 – 10 A1	10YR 5/3			Silty clay loam	Moderate medium granular	Friable	Many		Loess/Colluvium	28	1% channers	
10 – 15 A2	2.5Y 4/2			Silty clay loam	Moderate medium angular blocky	Firm	Many		Loess/Colluvium	32	3% channers	
15 – 20 Bt1	2.5Y 5/3		10YR 5/4 Clay	Silty clay loam	Moderate fine and medium subangular blocky	Firm	Many to few in the lower part		Loess/Colluvium	38	3% channers	
20 – 33 Bt3	7.5YR 4/3		10YR 4/2 Clay	Silty clay loam	Moderate medium subangular blocky	Firm	Few		Loess/Colluvium	38	3% channers	
33 – 48 2Bt4	2.5Y 5/3		10YR 4/4 Clay	Silty clay	Moderate medium subangular blocky	Firm			Shale residuum	56	7% channers	
48 – 60 2Btss	2.5Y 5/6	10YR 6/6	10YR 6/1 Clay	Silty clay	Weak medium angular blocky	Firm			Shale residuum	58	5% channers	

BORING #:	6	DESCRIPTION OF BORING LOCATION:	Small backhoe pit near center of the proposed lot

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X						X				

Ponding or Flooding:	NO	% Slope	7	Aspect	N	Family Classification:	Fine, illitic, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+60”			+60”			Slickensides 41”

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Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Pate	Soil Series of Boring:	Pate

SOIL PROPERTIES

DEPTH (IN)	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-	ROOTS	EFFERVES-	PARENT	%	OTHER	
	MATRIX	MOTTLES	COATINGS	USDA	USDA	TANCY		CENCE	MATERIAL	CLAY		
0 – 6 A1	10YR 4/2			Silt loam	Moderate medium granular	Friable	Many		Loess/Colluvium	25	1% channers	
6 – 11 A2	2.5Y 5/1			Silty clay loam	Moderate fine and medium subangular blocky	Firm	Many		Loess/Colluvium	32	3% channers	
11 – 41 Bt1	2.5Y 6/4		10YR 5/4 Clay	Silty clay	Moderate medium subangular blocky	Firm	Many to few in the lower part		Loess/Colluvium	45	9% channers	
41 – 60 2Btss	2.5Y 5/6	10YR 6/6	10YR 6/1 Clay	Silty clay	Weak medium angular blocky	Firm			Shale residuum	58	14% channers	

BORING #:	7	DESCRIPTION OF BORING LOCATION:	Small backhoe pit near center of the proposed lot

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X						X				

Ponding or Flooding:	NO	% Slope	7	Aspect	N	Family Classification:	Fine, illitic, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+60"			+60"			Slickensides 46"

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Pate	Soil Series of Boring:	Pate

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SOIL PROPERTIES												
DEPTH (IN)	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-	ROOTS	EFFERVES-	PARENT	%	OTHER	
	MATRIX	MOTTLES	COATINGS	USDA	USDA	TANCY		CENCE	MATERIAL	CLAY		
0 – 5 A1	10YR 4/2			Silty clay loam	Moderate medium angular blocky	Friable	Many		Loess/Colluvium	28	1% channers	
5 – 13 A2	10YR 5/4			Silty clay loam	Weak medium subangular blocky	Firm	Many		Loess/Colluvium	32	3% channers	
13 – 33 Bt1	10YR 5/4		10YR 6/3 Clay	Silty clay loam	Moderate medium subangular blocky	Firm	Many to few in the lower part		Loess/Colluvium	36	3% channers	
33 – 46 Bt2	10YR 5/4		10YR 6/3 Clay	Silty clay loam	Weak medium subangular blocky	Firm	Few		Loess/Colluvium	38	3% channers	
46 – 60 2Btss	2.5Y 5/4	10YR 6/6	10YR 6/3 Clay	Silty clay	Weak medium angular blocky	Firm			Shale residuum	59	5% channers	

BORING #:	8	DESCRIPTION OF BORING LOCATION:	Small backhoe pit near center of the proposed lot

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X						X				

Ponding or Flooding:	NO	% Slope	8	Aspect	N	Family Classification:	Fine, illitic, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+60"			+60"			Slickensides 42"

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Pate	Soil Series of Boring:	Pate

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SOIL PROPERTIES												
DEPTH (IN)	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-TANCY	ROOTS	EFFERVES-CENCE	PARENT MATERIAL	% CLAY	OTHER	
	MATRIX	MOTTLES	COATINGS	USDA	USDA							
0 – 5 A1	10YR 4/2			Silt loam	Moderate medium granular	Friable	Many		Loess/Colluvium	25	1% channers	
5 – 16 A2	7.5YR 5/4			Silty clay loam	Moderate medium subangular blocky	Firm	Many		Loess/Colluvium	30	3% channers	
16 – 32 Bt1	10YR 5/3		10YR 4/3 Clay	Silty clay loam	Moderate medium subangular blocky	Firm	Many to few in the lower part		Loess/Colluvium	38	3% channers	
32 – 42 Bt2	10YR 5/4		10YR 5/3 Clay	Silty clay loam	Weak medium subangular blocky	Firm	Few		Loess/Colluvium	38	3% channers	
42 – 60+ 2Btss	2.5Y 5/4	10YR 6/6	10YR 6/1 Clay	Silty clay	Weak medium angular blocky	Firm			Shale residuum	60	5% channers	

BORING #:	9	DESCRIPTION OF BORING LOCATION:	Bucket auger boring between old brick home and newer double wide

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X						X				

Ponding or Flooding:	NO	% Slope	8	Aspect	N	Family Classification:	Fine, illitic, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+60"			+60"			Slickensides 47"

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Pate	Soil Series of Boring:	unamed

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SOIL PROPERTIES												
DEPTH (IN)	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-TANCY	ROOTS	EFFERVES-CENCE	PARENT MATERIAL	% CLAY	OTHER	
	MATRIX	MOTTLES	COATINGS	USDA	USDA							
0 – 7 A	10YR 4/3			Silt loam	Moderate medium granular	Friable	Many		Loess	17		
7 – 18 2Bt1	7.5YR 5/6		10YR 4/3 Clay	Very fine sandy loam	Moderate fine subangular blocky	Friable	Many		Windblown sand	14		
18 – 32 3Bt2	2.5Y 5/3		10YR 4/4 Clay	Silty clay loam	Moderate medium subangular blocky	Firm	Many to few in the lower part		Limestone/ Colluvium	36	3% channers	
32 – 47 3Bt3	2.5Y 5/4		10YR 5/3 Clay	Silty clay loam	Weak medium subangular blocky	Firm	Few		Limestone/ Colluvium	38	9% channers	
47 – 60 4Btss	2.5Y 5/4	10YR 6/6	10YR 6/1 Clay	Silt clay	Weak medium angular blocky	Firm			Shale residuum	55	5% channers	

BORING #:	10	DESCRIPTION OF BORING LOCATION:	Bucket auger boring behind block garage								
Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain	
X						X					
Ponding or Flooding:	NO	% Slope	8	Aspect	N	Family Classification:	Fine loamy, mixed, mesic Typic Hapludalfs				
< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table		Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other		
		+60"				+60"					
Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Pate	Soil Series of Boring:	Bloomfield				

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SOIL PROPERTIES												
DEPTH (IN)	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-	ROOTS	EFFERVES-	PARENT	%	OTHER	
	MATRIX	MOTTLES	COATINGS	USDA	USDA	TANCY		CENCE	MATERIAL	CLAY		
0 – 6 A	10YR 4/3			Silt loam	Moderate medium granular	Friable	Many		Loess	17		
6 – 24 2Bt1	7.5YR 5/6		10YR 4/3 Clay	Very fine sandy loam	Moderate fine subangular blocky	Friable	Many to few in the lower part		Windblown sand	22		
24 – 40 2Bt2	10YR 5/6		10YR 4/4 Clay	Very fine sandy loam	Weak medium subangular blocky	Friable	Few		Windblown sand	15		
40 – 60 2BC	10YR 5/4	10YR 6/3 10YR 6/6		Fine sandy loam	Weak medium subangular blocky	Friable			Windblown sand	12		

BORING #:	11	DESCRIPTION OF BORING LOCATION:	Push probe boring on ridge top near likeliest location for home

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X			X	X						

Ponding or Flooding:	NO	% Slope	5	Aspect	N	Family Classification:	Fine-silty over clayey, mixed, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+60"			+60"			Slickensides 37"

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Switzerland	Soil Series of Boring:	Switzerland

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DEPTH (IN)	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-	ROOTS	EFFERVES-	PARENT	%	OTHER	
	MATRIX	MOTTLES	COATINGS	USDA	USDA	TANCY		CENCE	MATERIAL	CLAY		
0 – 6 A	10YR 4/4			Silt loam	Moderate medium granular	Friable	Many		Loess	22		
6 – 12 Bt1	7.5YR 5/6		10YR 4/4 Clay	Silty clay loam	Moderate fine subangular blocky	Firm	Many		Loess	31		
12 – 26 Bt2	7.5YR 5/6	10YR 6/6	10YR 6/3 Clay	Silty clay loam	Moderate fine and medium subangular blocky	Firm	Many to few in the lower part		Loess	38		
26 – 37 2Bt3	7.5YR 5/6		10YR 6/2 Clay	Silty clay	Moderate medium angular blocky	Firm	Few		Shale residuum	47		
37 – 60 2Btss	2.5Y 6/4	10YR 6/6	10YR 6/2 Clay	Silty clay	Weak medium angular blocky	Firm			Shale residuum	58	2% gravel	

BORING #:	12	DESCRIPTION OF BORING LOCATION:	Push probe boring on ridge top near likeliest location for home

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X			X	X						

Ponding or Flooding:	NO	% Slope	5	Aspect	W	Family Classification:	Fine-silty over clayey, mixed, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+60"			+60"			Slickensides 43"

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Switzerland	Soil Series of Boring:	Switzerland

SOIL PROPERTIES

DEPTH	SOIL COLOR	TEXTURE	STRUCTURE	CONSIS-	ROOTS	EFFERVES-	PARENT	%	OTHER

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(IN)	MATRIX	MOTTLES	COATINGS	USDA	USDA	TANCY		CENCE	MATERIAL	CLAY		
0 – 8 A	10YR 4/4			Silt loam	Moderate medium granular	Friable	Many		Loess	21		
8 – 28 Bt1	7.5YR 5/6		10YR 4/4 Clay	Silty clay loam	Moderate fine and medium subangular blocky	Firm	Many to few in the lower part		Loess	33		
28 – 43 2Bt2	7.5YR 5/6		10YR 6/3 Clay	Silty clay	Moderate medium angular blocky	Firm			Shale residuum	46		
43 – 60 2Btss	2.5Y 6/4	10YR 6/6	10YR 6/1 Clay	Silty clay	Weak medium angular blocky	Firm			Shale residuum	56	2% gravel	

BORING #:	13	DESCRIPTION OF BORING LOCATION:	Push probe boring on ridge top near likeliest location for home

Upland	Terrace	Outwash Plain	Ridge Top	Upper 1/3	Middle	Lower 1/3	Pothole	Depression	Broad Flat	Flood Plain
X			X	X						

Ponding or Flooding:	NO	% Slope	5	Aspect	W	Family Classification:	Fine-silty over clayey, mixed, mesic Typic Hapludalfs

< 0.25 gpd/ft²	> 1.20 gpd/ft²	Seasonal High Water Table	Fragipan	Glacial Till	Bedrock	Massive Clay	Poor Filter	Other
		+60"			+60"			Slickensides 46"

Vegetation at site:	Idle/scattered trees	Disturbance?	NO	Soil Series mapped:	Switzerland	Soil Series of Boring:	Switzerland

SOIL PROPERTIES

DEPTH	SOIL COLOR			TEXTURE	STRUCTURE	CONSIS-	ROOTS	EFFERVES-	PARENT	%	OTHER
(IN)	MATRIX	MOTTLES	COATINGS	USDA	USDA	TANCY		CENCE	MATERIAL	CLAY	

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0 – 7 A	10YR 4/4			Silt loam	Moderate medium granular	Friable	Many		Loess	22		
7 – 31 Bt1	7.5YR 5/6		10YR 4/4 Clay	Silty clay loam	Moderate fine and medium subangular blocky	Firm	Many to few in the lower part		Loess	33		
31 – 46 2Bt2	7.5YR 5/6		10YR 6/3 Clay	Silty clay	Moderate medium angular blocky	Firm			Shale residuum	45	2% gravel	
46 – 60 2Btss	2.5Y 6/4	10YR 6/6	10YR 6/2 Clay	Silty clay	Weak medium angular blocky	Firm			Shale residuum	57	2% gravel	

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APPROXMATE BORING LOCATIONS ★

Site Location: