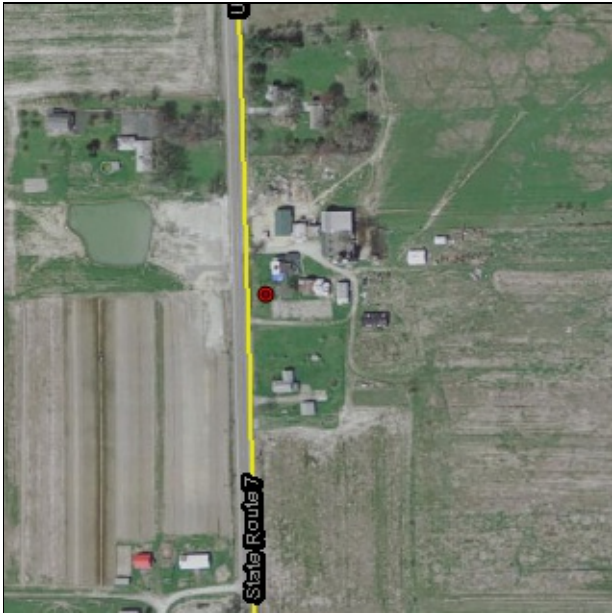


4510 state Route 7



Scale 1:4,514

LOCATION

Ashtabula County, Andover Township, 44003
Frontal Pymatuning Reservoir Watershed

longitude 80.57 W , latitude 41.63 N
elevation 1083 feet above sea level

Watershed Coordinator #: 330-637-2056

Soil

The soil map unit is **Venango silt loam, 2 to 6 percent slopes.**

- Soil name:** Venango
- Parent material:** fine-loamy till
- Dominant landform:** ground moraines
- Slope:** 3%
- Hydric:** No
- Drainage:** Somewhat poorly drained
- Hydrologic group:** CD
- Depth to water table:** 10 inches
- Susceptibility to wind erosion:** 6
- Soil capability class and subclass:** 3w
- Potential to slip:** NA
- Water runoff potential:** Medium
- T erosion factor:** 4
- Frost action:** High
- Restriction type:** Fragipan
- Depth to restriction:** 22 inches
- Thickness of restriction:** 16 inches
- Restriction hardness:** Weakly cemented

Soil map units consist of one to many soils. The properties presented in this report represent the soil that makes up the largest percentage of the soil map unit. For additional information about this soil and lesser soils within the soil map unit visit <http://soils.usda.gov/technical/handbook/>.

Geology

- Bedrock:** sandstone 13 feet deep
- Glacial feature:** Thin Upland

Ground Water

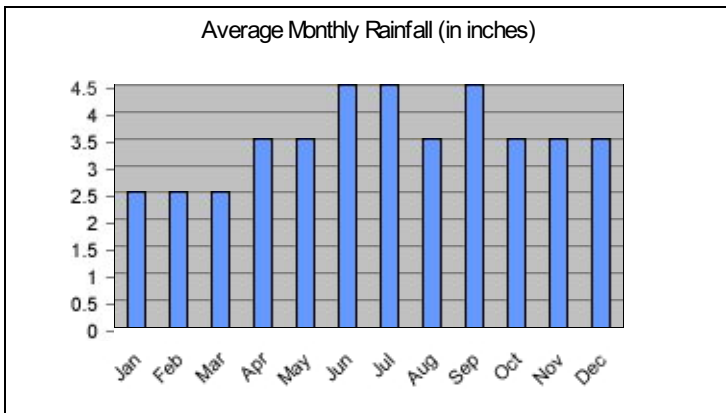
- Approximate yield of bedrock aquifer:** 5 - 25 gpm
- Approximate yield of sand/gravel aquifer:** NA
- Predominant aquifer material:** Shale
- Nearest water well log:** 2017273
- Distance to nearest well log:** 98 feet
- Drastic #:** 121

Soil Properties by Horizon

Soil	Depth (inches)				
	0 to 10	10 to 22	22 to 38	38 to 80	
Properties					
Clay (%)	18	24	22.5	19.5	
Sand (%)	27.3	21.3	22.4	26.7	
Silt (%)	54.7	54.7	55.1	53.8	
Texture	silt loam	silt loam	silt loam	silt loam	
AASHTO texture classification	A-4	A-4	A-4	A-4	
Unified texture classification	CL-ML	CL	CL-ML	CL-ML	
Rock (stones and pebbles) (%)	9	10	9	10	
Organic matter (%)	3.00	0.40	0.30	0.20	
Permeability (in/hr)	1.3	1.3	0.1	0.33	
Available water capacity (in/in)	0.51	0.43	0.2	0.25	
Bulk density (g/cm ²)	1.47	1.66	1.83	1.81	
pH	5.0	5.1	5.2	6.6	
Kw	.37	.37	.37	.37	
Kf	.43	.49	.55	.55	

The Ohio Department of Natural Resources, Division of Soil and Water Resources makes no representations, expressed or implied, as to the accuracy, completeness and timeliness of the information displayed and is not responsible for data errors and omissions in map and report. The map or report is not suitable for legal, engineering or surveying purposes.

Precipitation



Predicted Rainfall For 24-Hour Storm Events (inches)

1 Year	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year
2.08	2.48	3.06	3.52	4.18	4.72	5.28

The Ohio Department of Natural Resources, Division of Soil and Water Resources makes no representations, expressed or implied, as to the accuracy, completeness and timeliness of the information displayed and is not responsible for data errors and omissions in map and report. The map or report is not suitable for legal, engineering or surveying purposes.