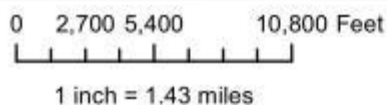


Sugar Creek-Frontal Lake Erie Watershed

041000120301



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Sugar Creek-Frontal Lake Erie

Watershed: 12463.8 acres 19.5 square miles

Hydrologic unit code (12 digit): 041000120301
(old 14 digit): 04110001040030

Watershed Coordinator: N/A
Email: N/A
Phone: N/A

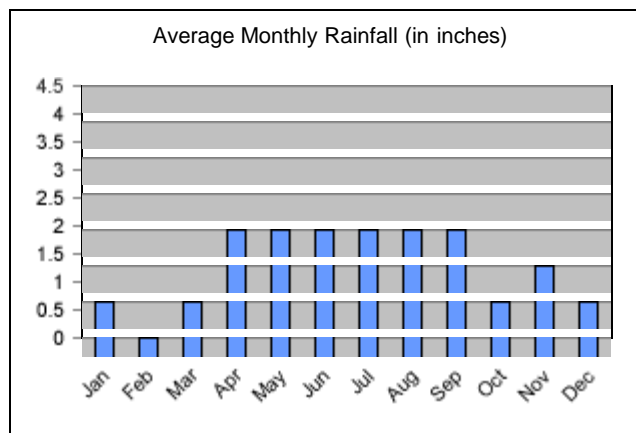
Watershed Action Plan: N/A

Ohio EPA

Aquatic Life Use attainment: Impaired
[TMDL Report \(Based on HUC 11 boundaries\)](#)
[Watershed Assessment Report](#)

Climate

Average annual maximum temperature: 56 F
Average annual minimum temperature: 9.5 F
Average annual Precipitation: 24 inches



In the Watershed

Soil and Water Conservation Districts

Erie 12428.2 acres
Lorain 33.9 acres

Municipalities

Vermilion 443.6 acres

School Districts

Firelands Local 2778.2 acres
Vermilion Local 9664.7 acres

Area having Probable Karst features: 12483.1 acres

Bedrock: sandstone, black shale, water

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Census

Population (reported by block)
1980: 5262 1990: 5900 2000: 6023

Water Resources

100 year floodplain: 444.1 acres
Wetlands (2007): 395.3 acres
Ponds & Lakes: 63.6 acres
Streams & Rivers: 34.9 acres

People (reported by tract)

Rural:	2283
Urban:	3739
Agricultural:	53
In Labor Force:	3097

Education (reported by tract)

Enrolled K-12:	1134
Enrolled college:	172
Completed <9:	2297
Completed HS diploma or GED:	1717
Some college:	1044
Associates degree:	263
Bachelors degree:	465
Graduate degree:	200

Households (reported by tract)

Average Size:	2.5
Average Income:	\$55,939

Soil Resources

Prime farmland:	9788.7 acres
Highly erodible land:	6.9 acres
Frequently flooded:	121.7 acres
Hydric:	13.3 acres
Partially hydric:	10283.4 acres

Soil Drainage

Well:	1372.6 acres
Moderately well:	549.3 acres
Somewhat poorly:	5141.7 acres
Poorly drained:	1919.9 acres

Hydrologic Soil Group

A:	840.8 acres
B:	539.7 acres
C:	481.4 acres
D:	2309.3 acres
A/D:	15.4 acres
B/D:	1671.3 acres
C/D:	6532.2 acres

Approximate number of water wells:	121
Area highly sensitive to groundwater contamination:	12481.2 acres
Area above Sole Source Aquifer:	0.0 acres
Area in the Emergency Management Zone:	0.0 acres
Ohio EPA permitted Combined Sewer outflow locations:	0

Land Use and Environment

Conservation & Recreation Land:	201.7 acres
<u>Resource Conservation Activities</u>	
BMP installation and land user assistance:	22.0 sites
	8.9 acres
Ohio EPA Approved bio-solid application fields:	176.9 acres
Ohio EPA/ODA combined animal feeding operations and facilities:	0.0 acres
Ohio EPA NPDES industrial and municipal discharge permits:	9
Dams:	6
Pre-settlement vegetation:	Beech Forests Mixed Mesophytic Forests
Ecological region:	Erie Lake Plain, Clayey High Lime Till Plains

Land Use (acres)

	2009	2001	1994
Agriculture	5436.1	7348.2	7987.0
Water	53.5	526.5	283.6
Urban	2014.0	363.2	351.8
Forest	4950.2	4245.9	3784.3
Barren	1.5	0.0	2.9
Shrub/Scrub	0.8	0.0	10.2

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9/29/2011

Watershed impairments (Ohio EPA)

Causes	Sources
N/A	N/A

Ohio EPA Aquatic Life Use Designation Miles

	Miles
Coldwater Habitat (CWH)	0.0
Exceptional Warmwater Habitat (EWH)	0.0
Warmwater Habitat (WWH)	13.8
Limited Resource Water (LRW)	0.0

Ohio EPA Source Water intakes and Protection Areas

System	# of	Acres

	intakes	
Vermilion Pws	0	130.5

Limited Warmwater Habitat (LWH)	0.0
Modified Warmwater Habitat (MWH)	0.0
Seasonal Salmonid Habitat (SSH)	0.0

Ohio EPA Ground water wells and Protection Areas by time of travel

System	# of wells	1 year (acres)	5 year (acres)
N/A	N/A	N/A	N/A

Ohio EPA Aquatic Life Use Designation

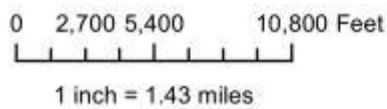
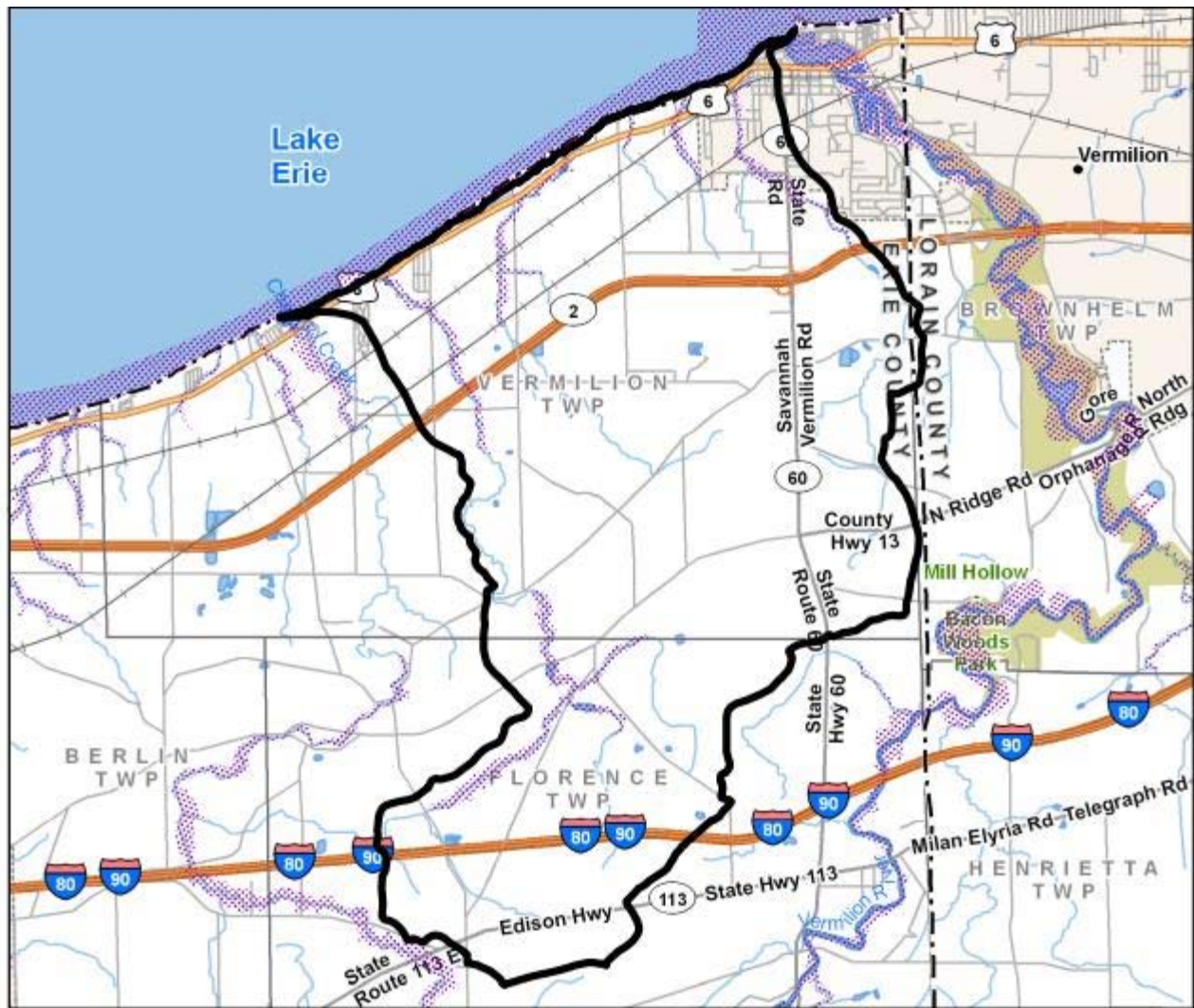
Stream	Stream Segment Description	Aquatic Life Use Designation
Darby Creek	N/A	WWH
Sherod Creek	N/A	WWH
Sugar Creek	N/A	WWH

Ohio EPA Stream Classifications

	Miles
Superior High Quality Waters	0.0
Primary Contact Recreation Class A Waters	0.0
Outstanding State Waters	0.0

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Sugar Creek-Frontal Lake Erie Watershed Water Resources



Aquifer Vulnerability

- 160 - 179 (Moderately High)
- 180 - 199
- 200 - 300 (High)

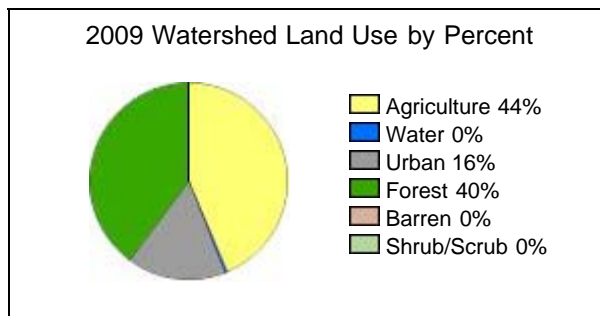
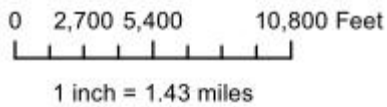
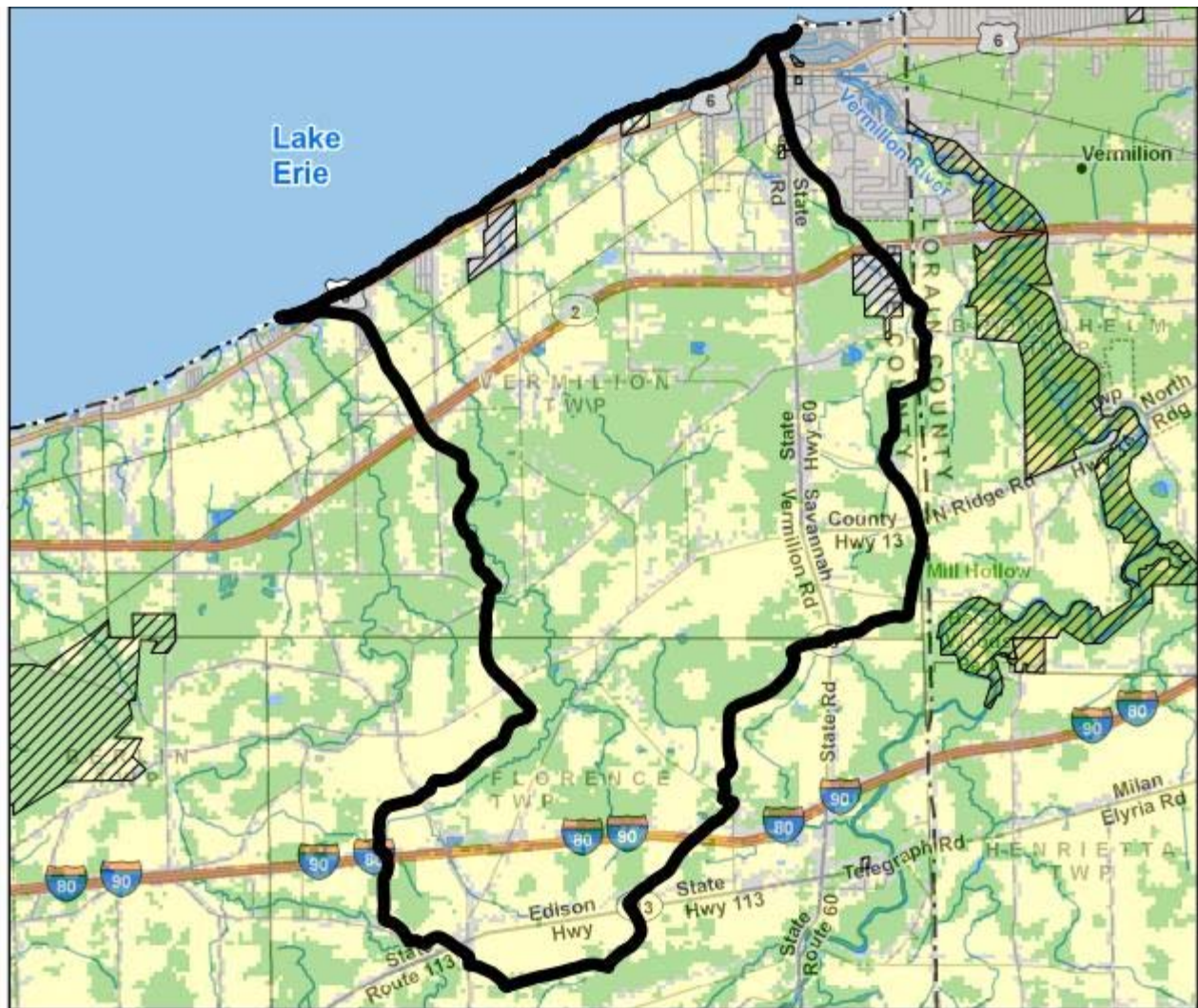
Aquatic Life Use Attainment


- Full
- Non
- Partial



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***Sugar Creek-Frontal Lake Erie
Watershed
Land Use***



 Conservation and Recreational Land

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