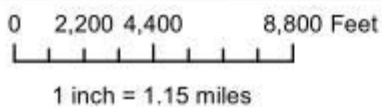
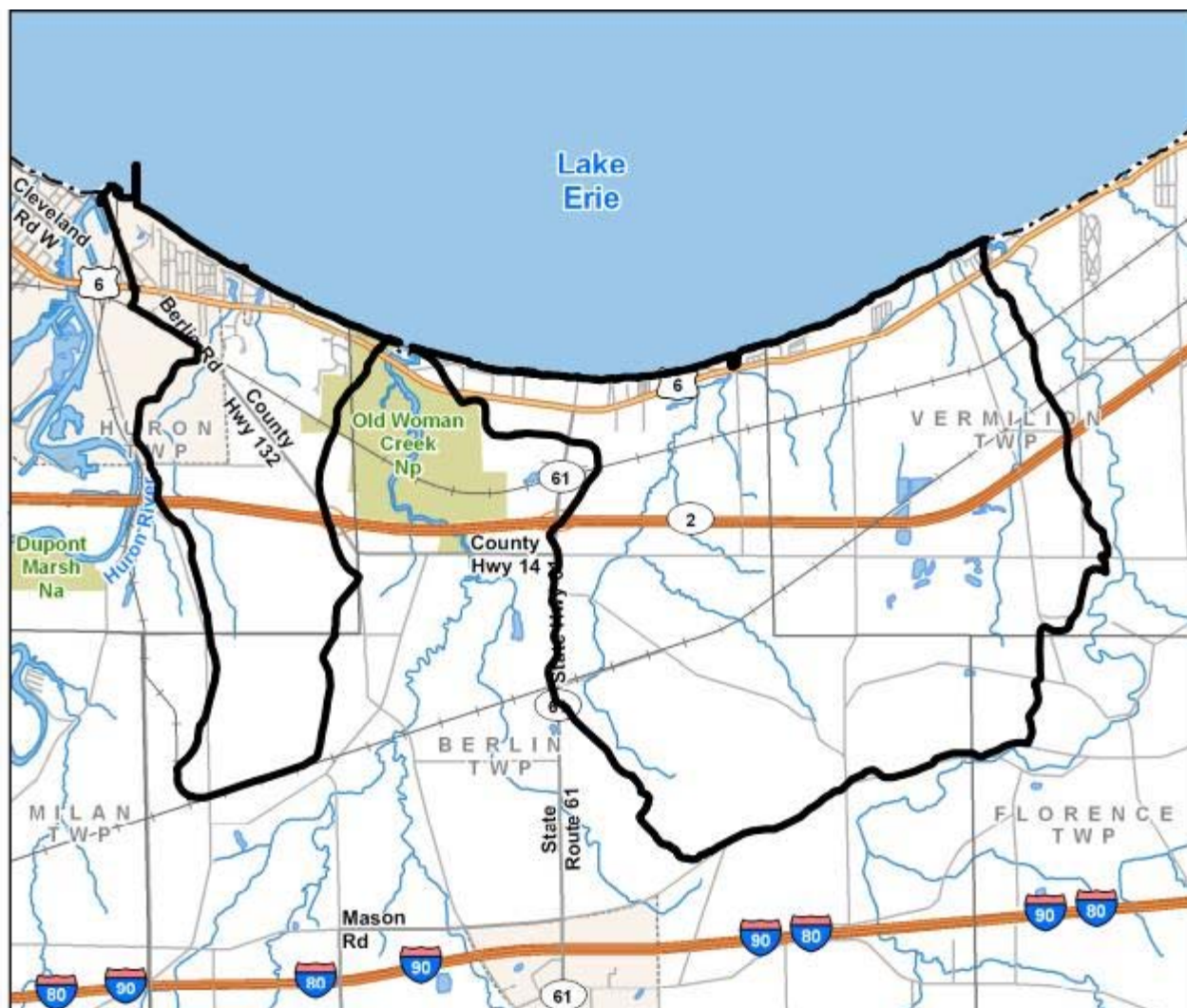


Cranberry Creek-Frontal Lake Erie Watershed 041000120303



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Cranberry Creek-Frontal Lake Erie

Watershed: 8080.2 acres 12.6 square miles

Hydrologic unit code (12 digit): 041000120303
 (old 14 digit): 04110001050010
 04110001050020

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

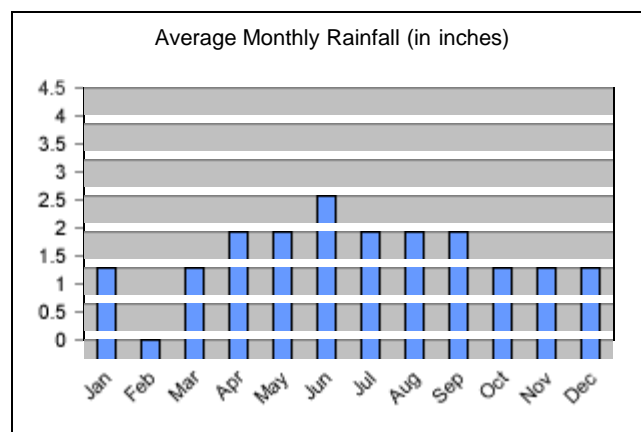
Watershed Action Plan: N/A

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 8066.2 acres

Municipalities
 Huron 544.9 acres

School Districts
 Berlin-milan Local 4123.5 acres
 Firelands Local 176.5 acres
 Huron City 1458.6 acres
 Vermilion Local 2317.2 acres

Area having Probable Karst features: 8092.3 acres

Bedrock: sandstone, black shale, water

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Census

Population (reported by block)
 1980: 2390 1990: 1886 2000: 2125

Water Resources

100 year floodplain: 393.1 acres
 Wetlands (2007): 185.7 acres
 Ponds & Lakes: 53.3 acres
 Streams & Rivers: 25.9 acres

People (reported by tract)

Rural:	1370
Urban:	755
Agricultural:	25
In Labor Force:	1046

Education (reported by tract)

Enrolled K-12:	391
Enrolled college:	81
Completed <9:	825
Completed HS diploma or GED:	601
Some college:	317
Associates degree:	75
Bachelors degree:	183
Graduate degree:	117

Households (reported by tract)

Average Size:	2.6
Average Income:	\$58,831

Soil Resources

Prime farmland:	6032.7 acres
Highly erodible land:	0.0 acres
Frequently flooded:	16.9 acres
Hydric:	0.0 acres
Partially hydric:	5878.0 acres

Soil Drainage

Well:	595.3 acres
Moderately well:	1489.9 acres
Somewhat poorly:	3143.3 acres
Poorly drained:	1143.2 acres

Hydrologic Soil Group

A:	300.7 acres
B:	1260.0 acres
C:	856.5 acres
D:	1132.7 acres
A/D:	341.8 acres
B/D:	1167.7 acres
C/D:	2696.6 acres

Approximate number of water wells:	76
Area highly sensitive to groundwater contamination:	8091.8 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:	941.1 acres
<u>Resource Conservation Activities</u>	
BMP installation and land user assistance:	0.0 sites

	38.2 acres
Ohio EPA Approved bio-solid application fields:	151.5 acres
Ohio EPA/ODA combined animal feeding operations and facilities:	0.0 acres
Ohio EPA NPDES industrial and municipal discharge permits:	7
Dams:	5
Pre-settlement vegetation:	Mixed Oak Forests Mixed Mesophytic Forests Beech Forests Freshwater Marshes and Fens
Ecological region:	Erie Lake Plain

Land Use (acres)

	2009	2001	1994
Agriculture	3167.1	5002.1	5207.5
Water	136.4	504.7	158.7
Urban	1926.4	345.6	331.1
Forest	2844.0	2238.2	2293.2
Barren	7.0	0.0	4.8
Shrub/Scrub	0.0	0.0	9.3

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9/29/2011

Watershed impairments (Ohio EPA)

Causes	Sources
direct habitat alterations	animal holding/management areas
natural limits (wetlands)	channelization - agriculture
nutrients	feedlots (confined animal feeding operations)
organic enrichment/DO	natural conditions (flow or

Ohio EPA Aquatic Life Use Designation Miles

	Miles
Coldwater Habitat (CWH)	0.0
Exceptional Warmwater Habitat (EWH)	0.0
Warmwater Habitat (WWH)	3.7
Limited Resource Water (LRW)	0.0

	habitat)
siltation	nonirrigated crop production

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

Ohio EPA Source Water intakes and Protection Areas

System	# of intakes	Acres
Huron Water Treatment Plant	0	224.2

Ohio EPA Aquatic Life Use Designation

Stream	Stream Segment Description	Aquatic Life Use Designation
Cranberry Creek	N/A	WWH

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

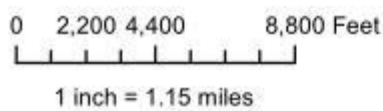
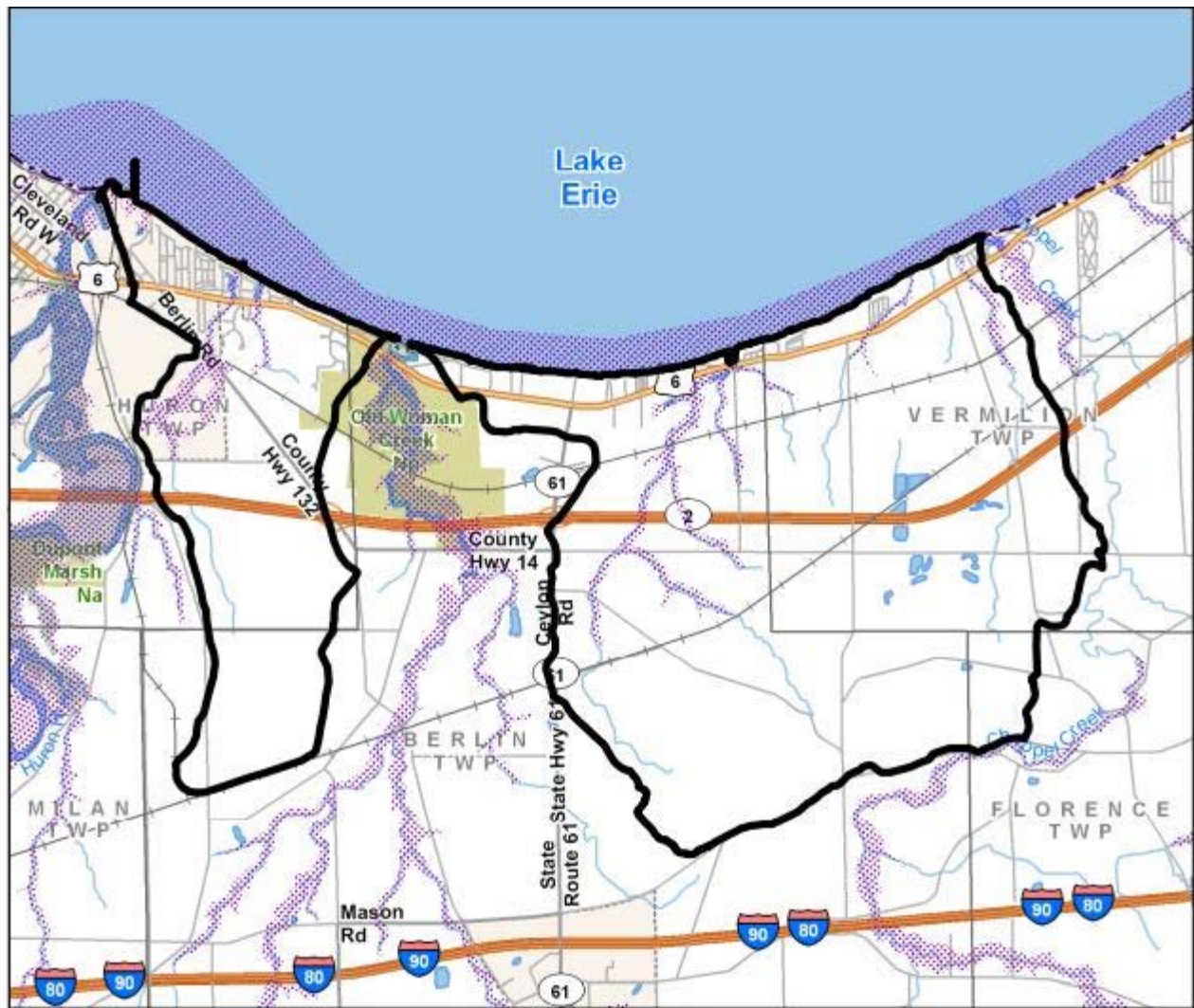
System	# of wells	1 year (acres)	5 year (acres)
N/A	N/A	N/A	N/A

Ohio EPA 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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***Cranberry Creek-Frontal Lake Erie
Watershed
Water Resources***



100 Year Floodplain
Aquifer Vulnerability

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

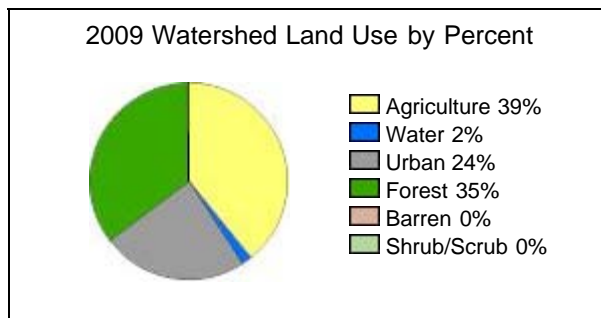
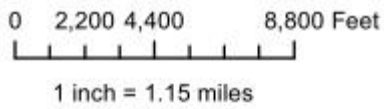
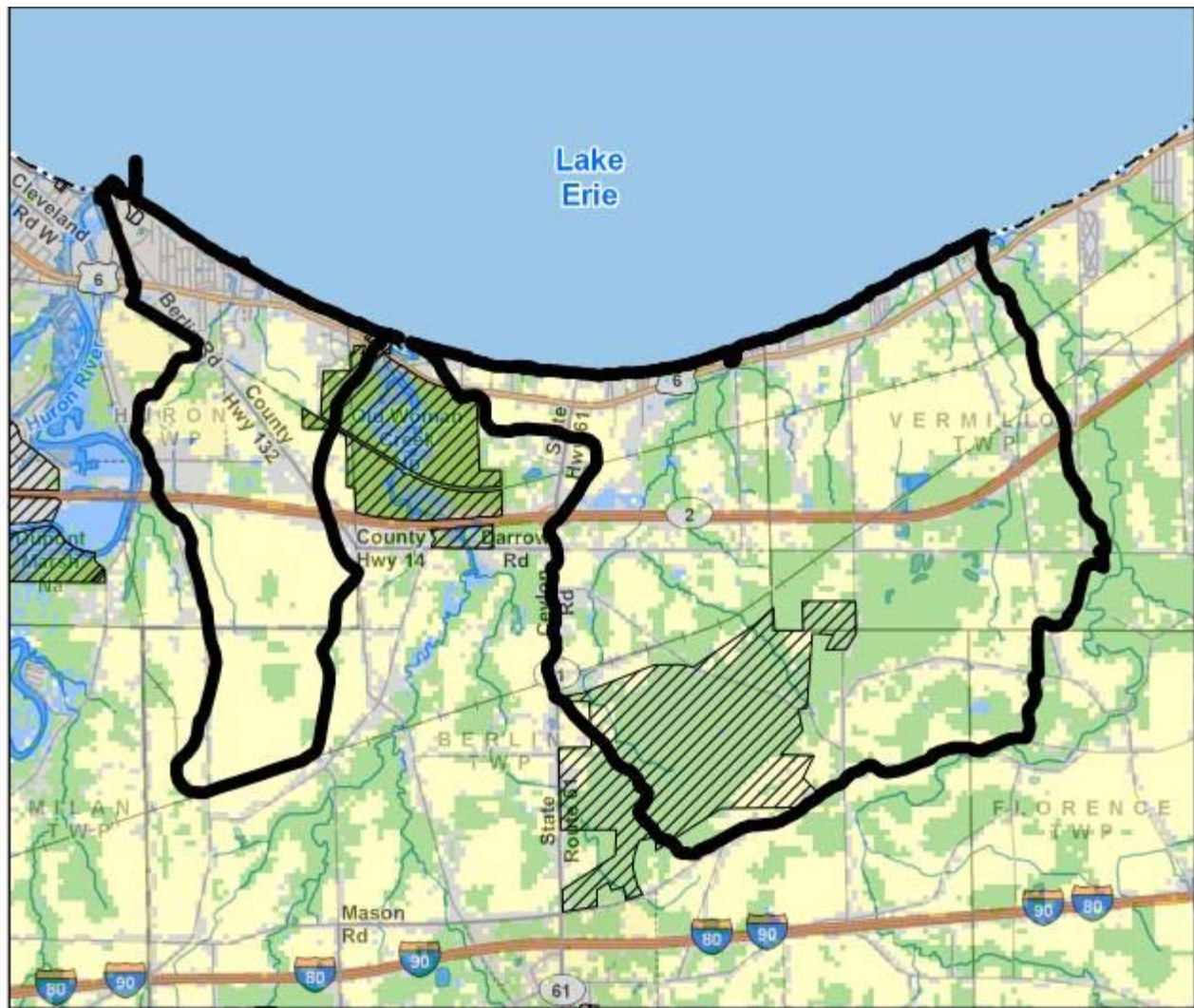
Aquatic Life Use Attainment

- Full
- Non
- Partial



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



Conservation and Recreational Land

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