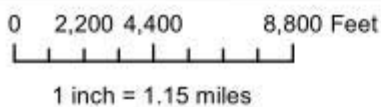
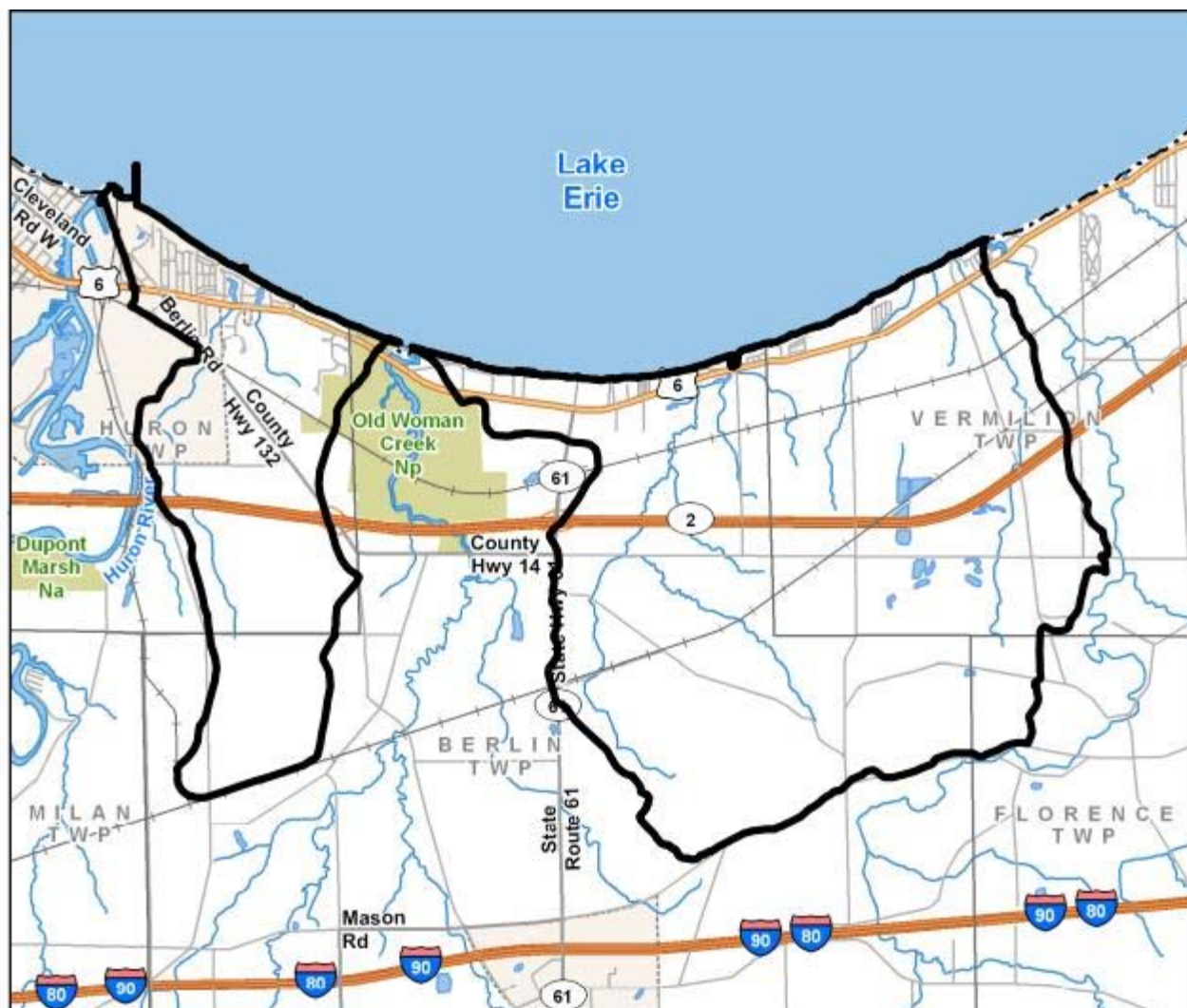


# Cranberry Creek-Frontal Lake Erie Watershed 041000120303



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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

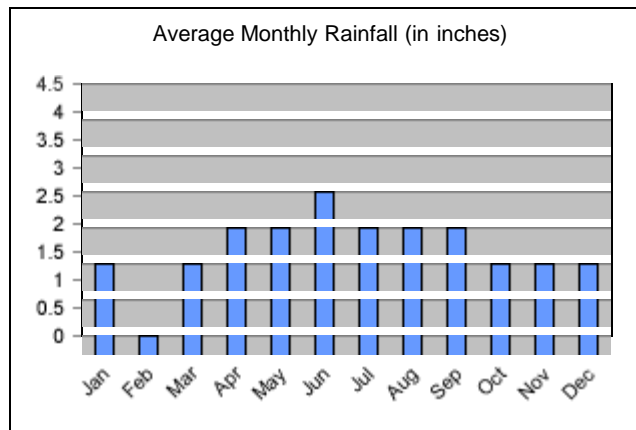
Watershed Action Plan: N/A

**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
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Resource Conservation Activities

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)	Limited Warmwater Habitat (LWH)	0.0
siltation	nonirrigated crop production	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 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

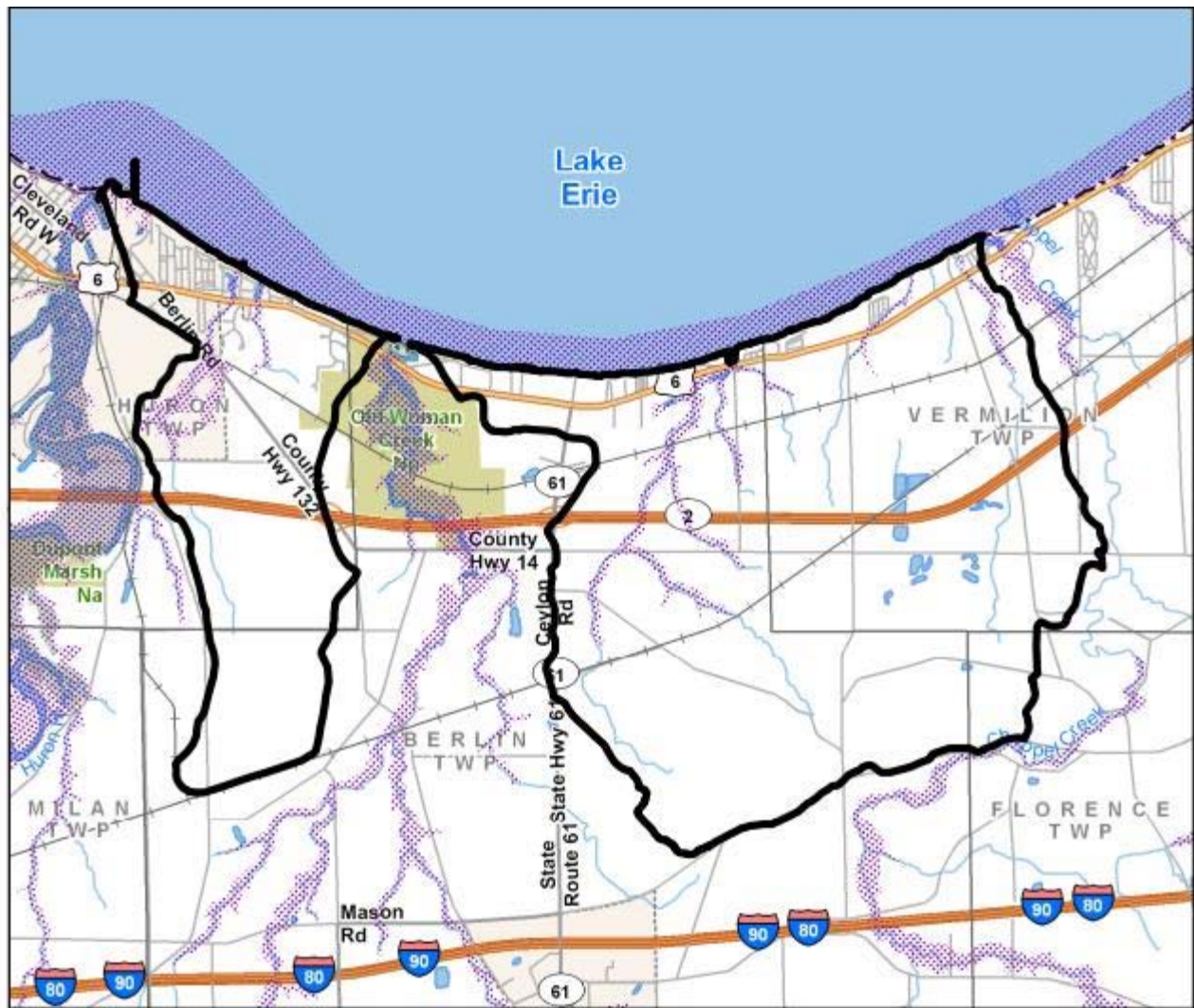
Stream	Stream Segment Description	Aquatic Life Use Designation
Cranberry Creek	N/A	WWH

## 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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***Cranberry Creek-Frontal Lake Erie  
Watershed  
Water Resources***



0 2,200 4,400 8,800 Feet  
 1 inch = 1.15 miles

**100 Year Floodplain**  
**Aquifer Vulnerability**

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

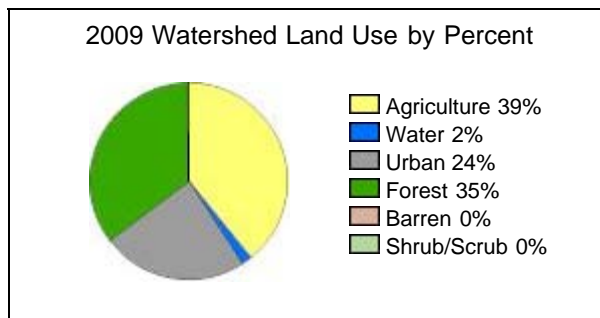
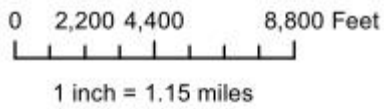
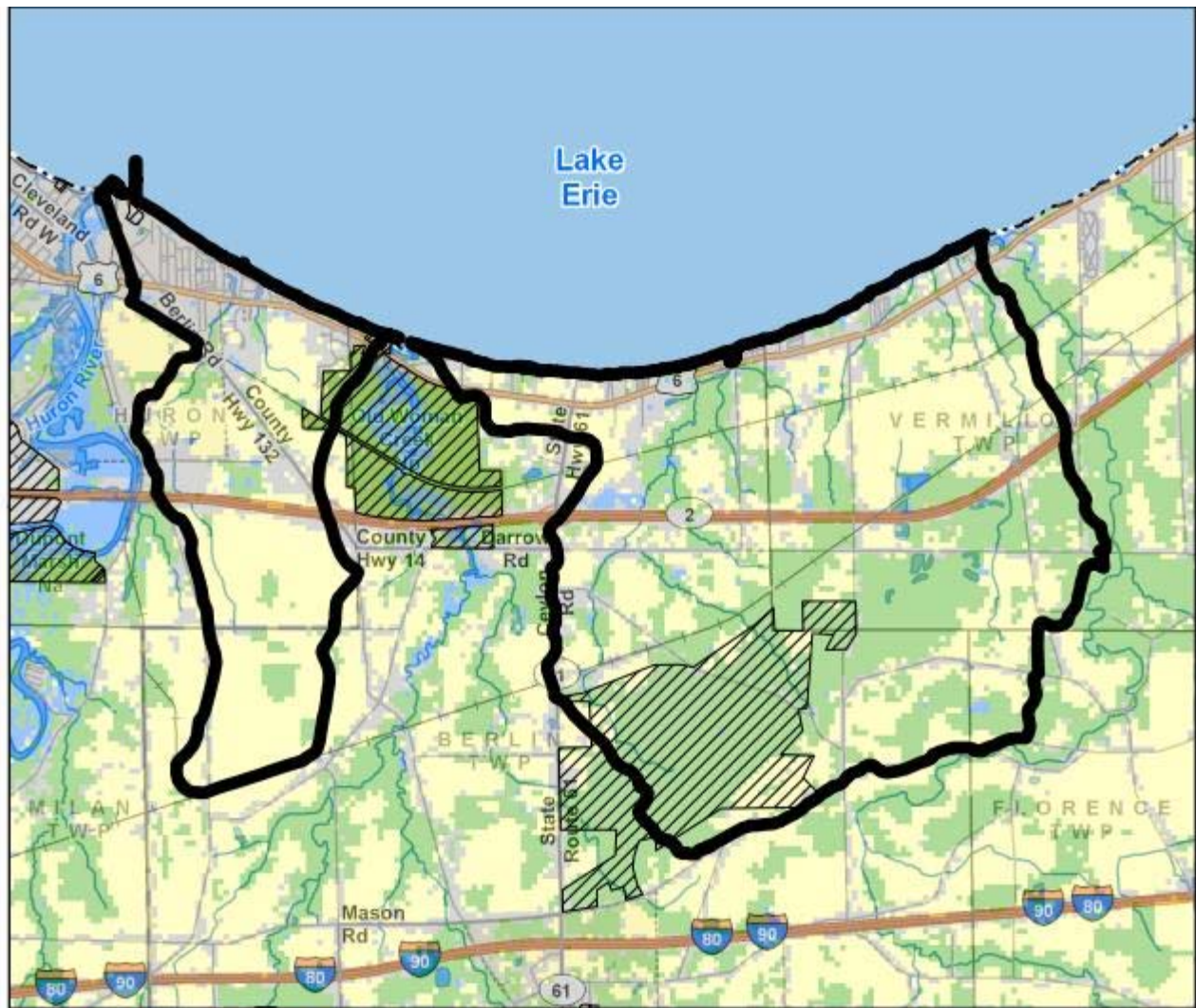
**Aquatic Life Use Attainment**


- Full
- Non
- Partial



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



 Conservation and Recreational Land

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