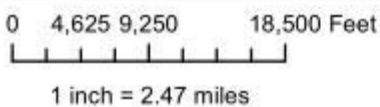


Chappel Creek Watershed 041000120302



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Chappel Creek

Watershed: 15329.2 acres 24.0 square miles

Hydrologic unit code (12 digit): 041000120302
 (old 14 digit): 04110001040030
 04110001050010

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

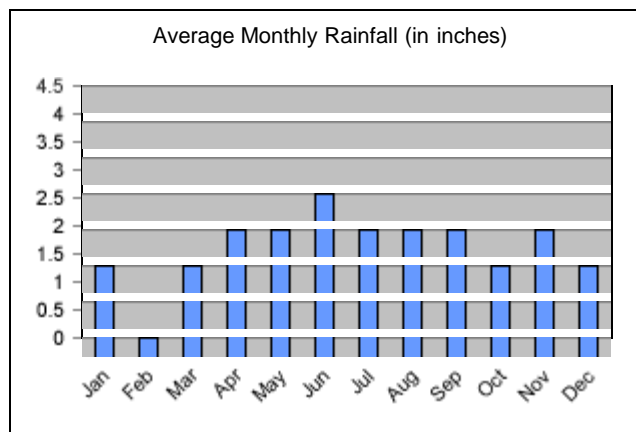
Watershed Action Plan: N/A

Ohio EPA

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

Climate

Average annual maximum temperature: 62.8 F
 Average annual minimum temperature: 12 F
 Average annual Precipitation: 24 inches



In the Watershed

Soil and Water Conservation Districts

Erie 8509.0 acres
 Huron 6820.2 acres

Municipalities

Wakeman 0.2 acres

School Districts

Berlin-milan Local 2440.3 acres
 Firelands Local 4587.2 acres
 Vermilion Local 1478.7 acres
 Western Reserve Local 6820.9 acres

Area having Probable Karst features: 15351.0 acres

Bedrock: sandstone, black shale, shale, water

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Census

Population (reported by block)
 1980: 2056 1990: 2704 2000: 2496

Water Resources

100 year floodplain: 660.0 acres
 Wetlands (2007): 590.2 acres
 Ponds & Lakes: 96.9 acres
 Streams & Rivers: 43.7 acres

People (reported by tract)

Rural:	2357
Urban:	139
Agricultural:	93
In Labor Force:	1256

Education (reported by tract)

Enrolled K-12:	493
Enrolled college:	86
Completed <9:	910
Completed HS diploma or GED:	792
Some college:	338
Associates degree:	88
Bachelors degree:	116
Graduate degree:	59

Households (reported by tract)

Average Size:	2.7
Average Income:	\$53,290

Soil Resources

Prime farmland:	13954.9 acres
Highly erodible land:	581.5 acres
Frequently flooded:	162.8 acres
Hydric:	2.4 acres
Partially hydric:	13744.5 acres

Soil Drainage

Well:	1016.3 acres
Moderately well:	1547.6 acres
Somewhat poorly:	9857.0 acres
Poorly drained:	1360.3 acres

Hydrologic Soil Group

A:	443.1 acres
B:	460.8 acres
C:	1228.5 acres
D:	909.3 acres
A/D:	162.3 acres
B/D:	1881.6 acres
C/D:	10145.6 acres

Approximate number of water wells:	124
Area highly sensitive to groundwater contamination:	15361.1 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:	0.0 acres
<u>Resource Conservation Activities</u>	
BMP installation and land user assistance:	32.0 sites 78.5 acres
Ohio EPA Approved bio-solid application fields:	546.2 acres
Ohio EPA/ODA combined animal feeding operations and facilities:	0.0 acres
Ohio EPA NPDES industrial and municipal discharge permits:	3
Dams:	1
Pre-settlement vegetation:	Beech Forests Mixed Mesophytic Forests Elm-Ash Swamp Forests
Ecological region:	Erie Lake Plain, Clayey High Lime Till Plains

Land Use (acres)

	2009	2001	1994
Agriculture	8893.0	10683.1	10954.4
Water	28.7	315.4	312.6
Urban	1321.2	101.4	118.9
Forest	5091.2	4250.2	3953.1
Barren	0.0	0.0	0.3
Shrub/Scrub	0.8	0.0	7.1

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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)	22.6
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
N/A	N/A	N/A

Ohio EPA Aquatic Life Use Designation

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

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

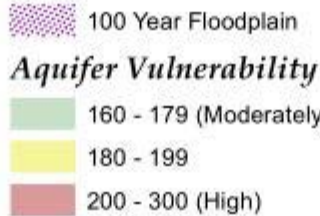
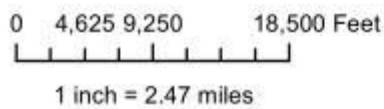
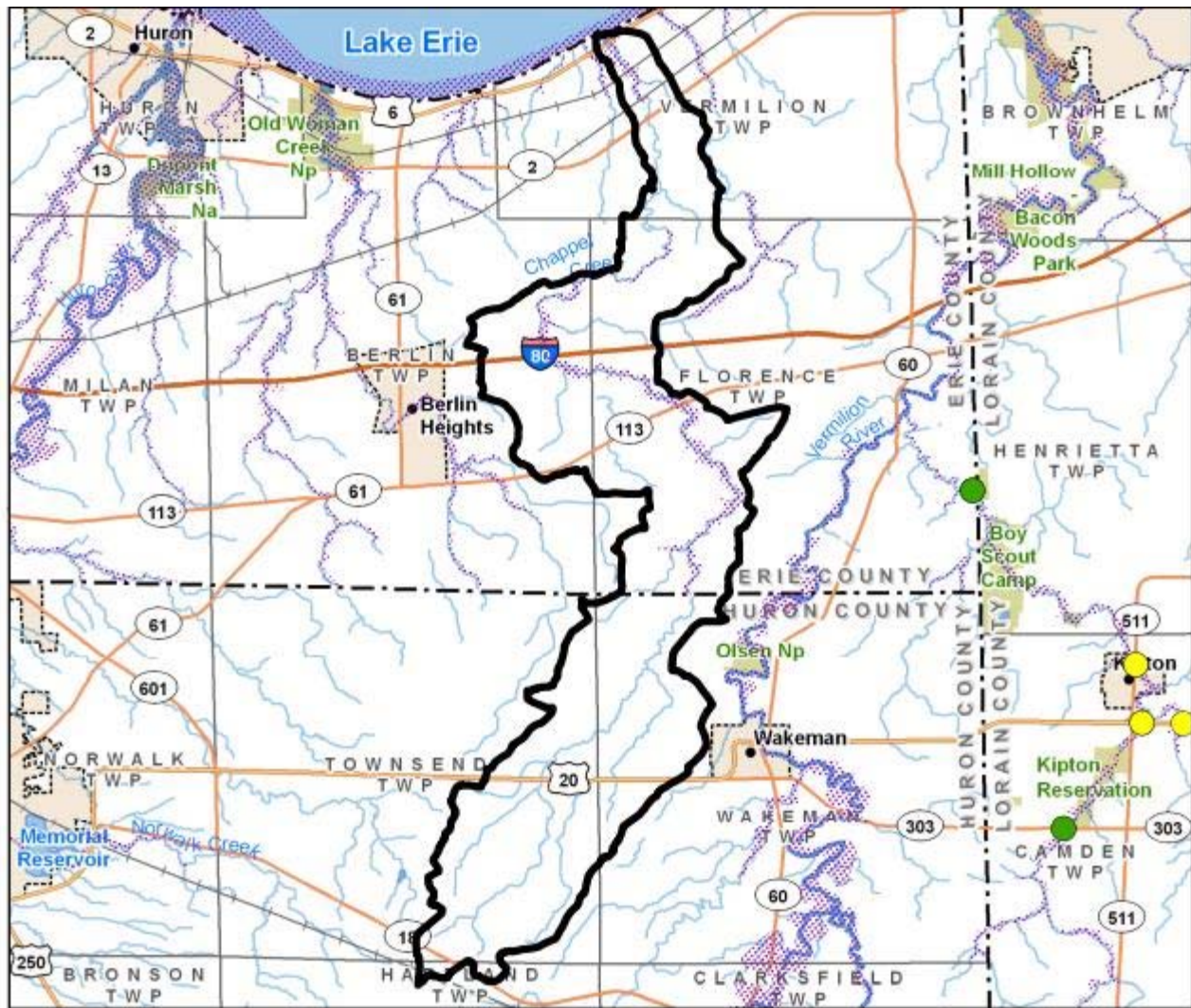
System	# of wells	1 year (acres)	5 year (acres)
N/A	N/A	N/A	N/A

Ohio EPA Stream Classifications

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

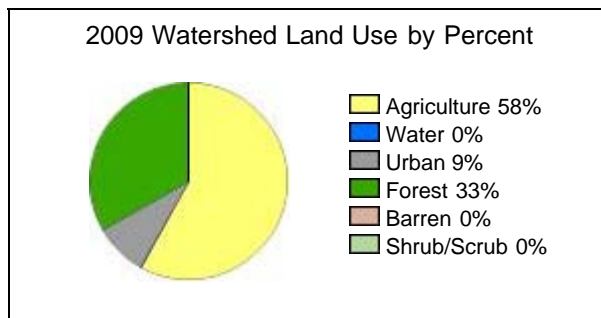
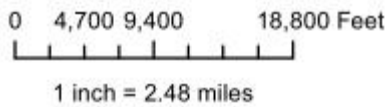
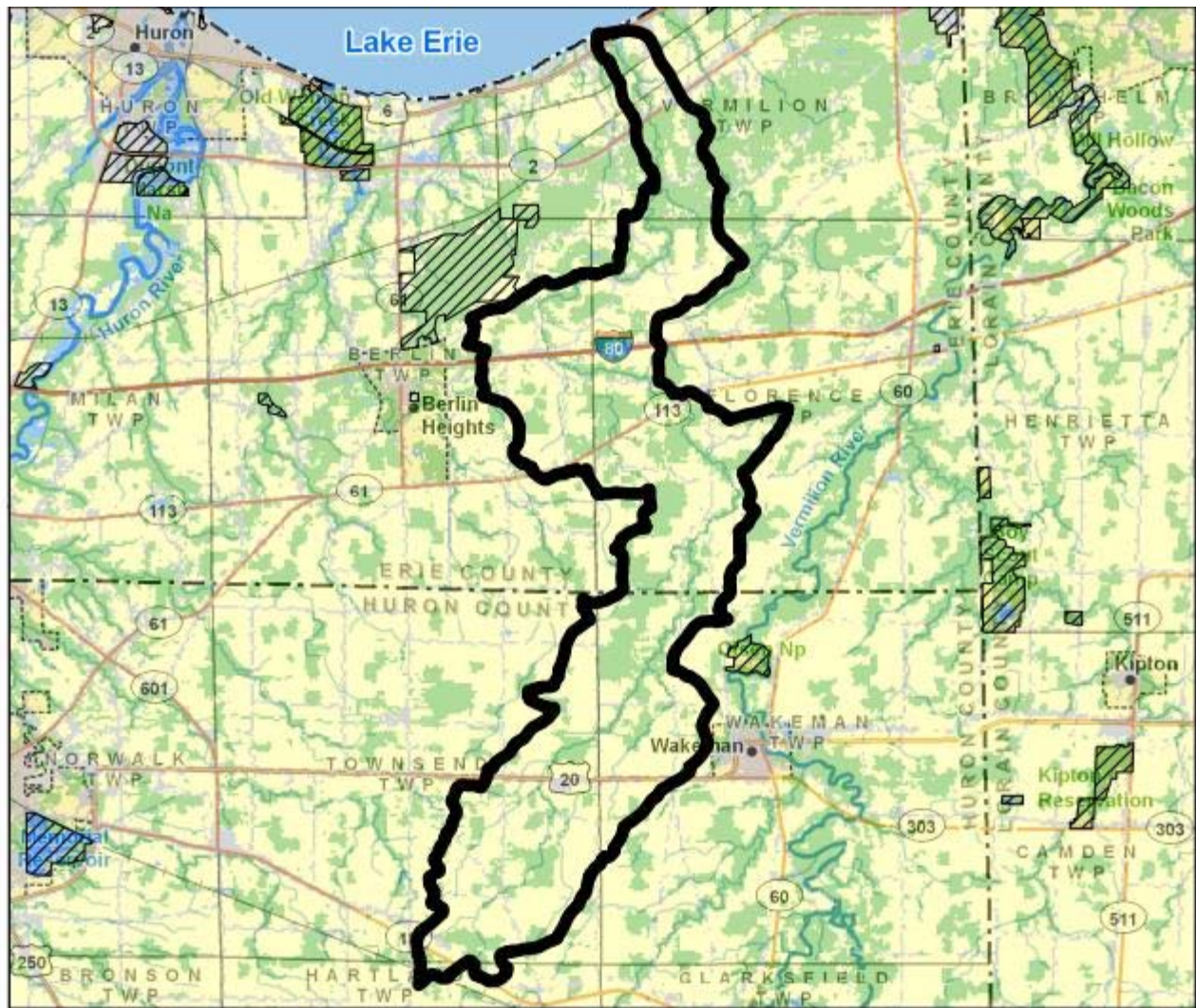
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***Chappel Creek
Watershed
Water Resources***



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Chappel Creek Watershed Land Use



Conservation and Recreational Land

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