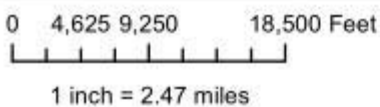
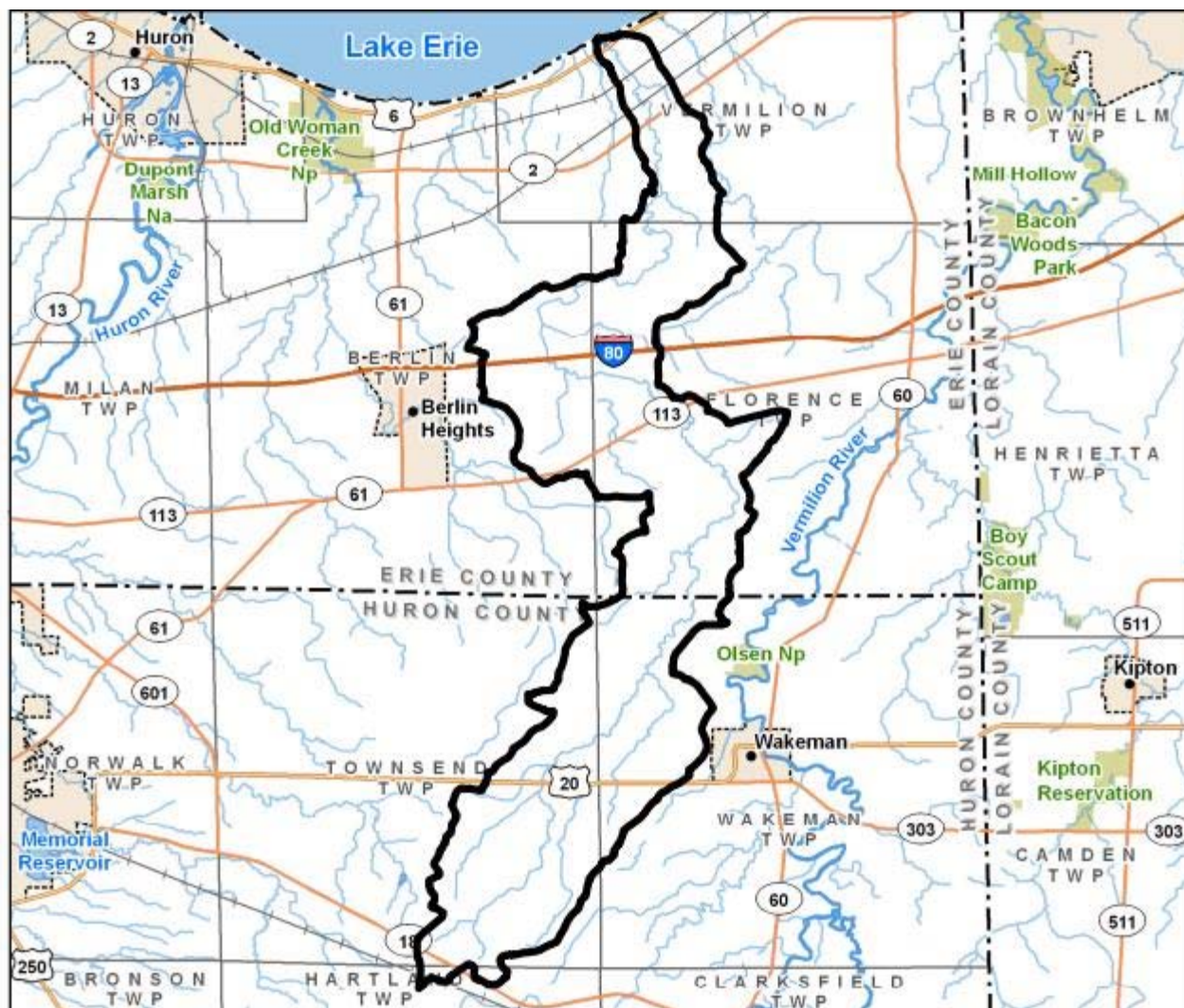


Chappel Creek Watershed 041000120302



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.

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

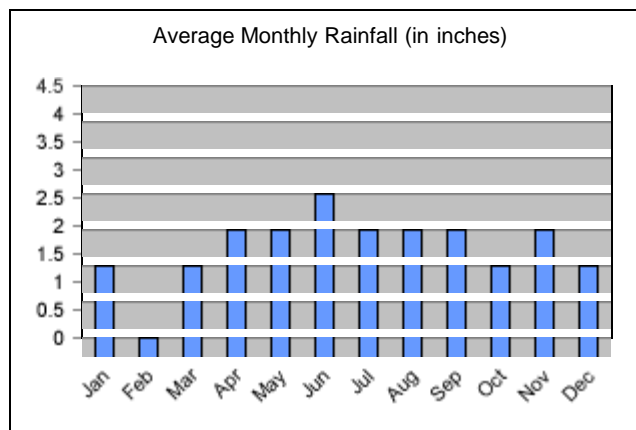
Watershed Action Plan: N/A

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

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.

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 |

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.



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

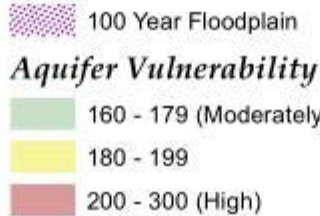
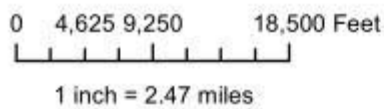
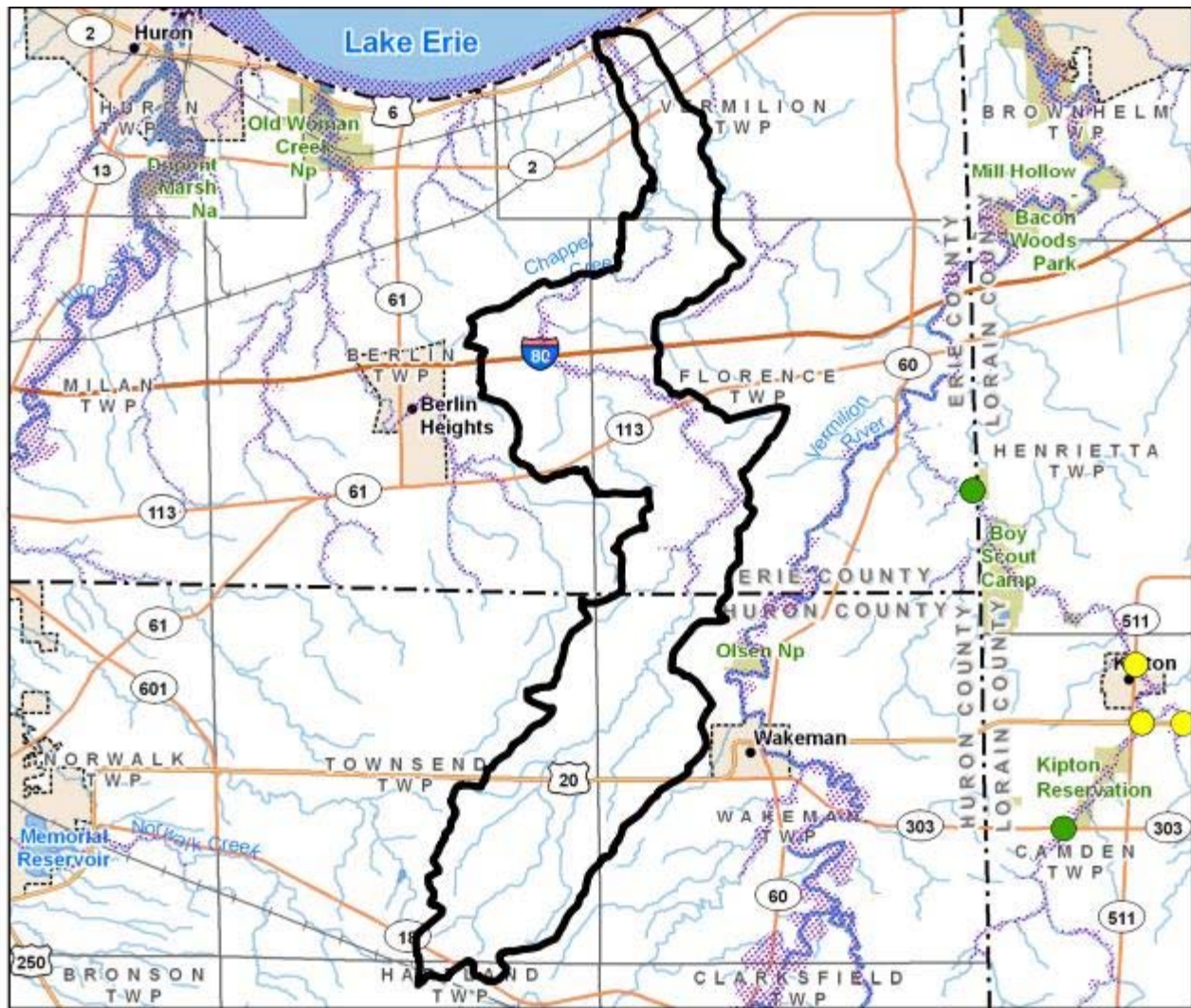
| System | # of wells | 1 year (acres) | 5 year (acres) |
|--------|------------|----------------|----------------|
| N/A | N/A | N/A | N/A |

Ohio EPA Stream Classifications

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

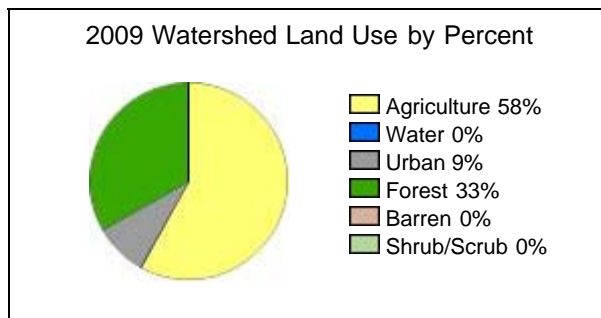
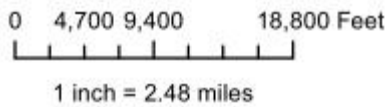
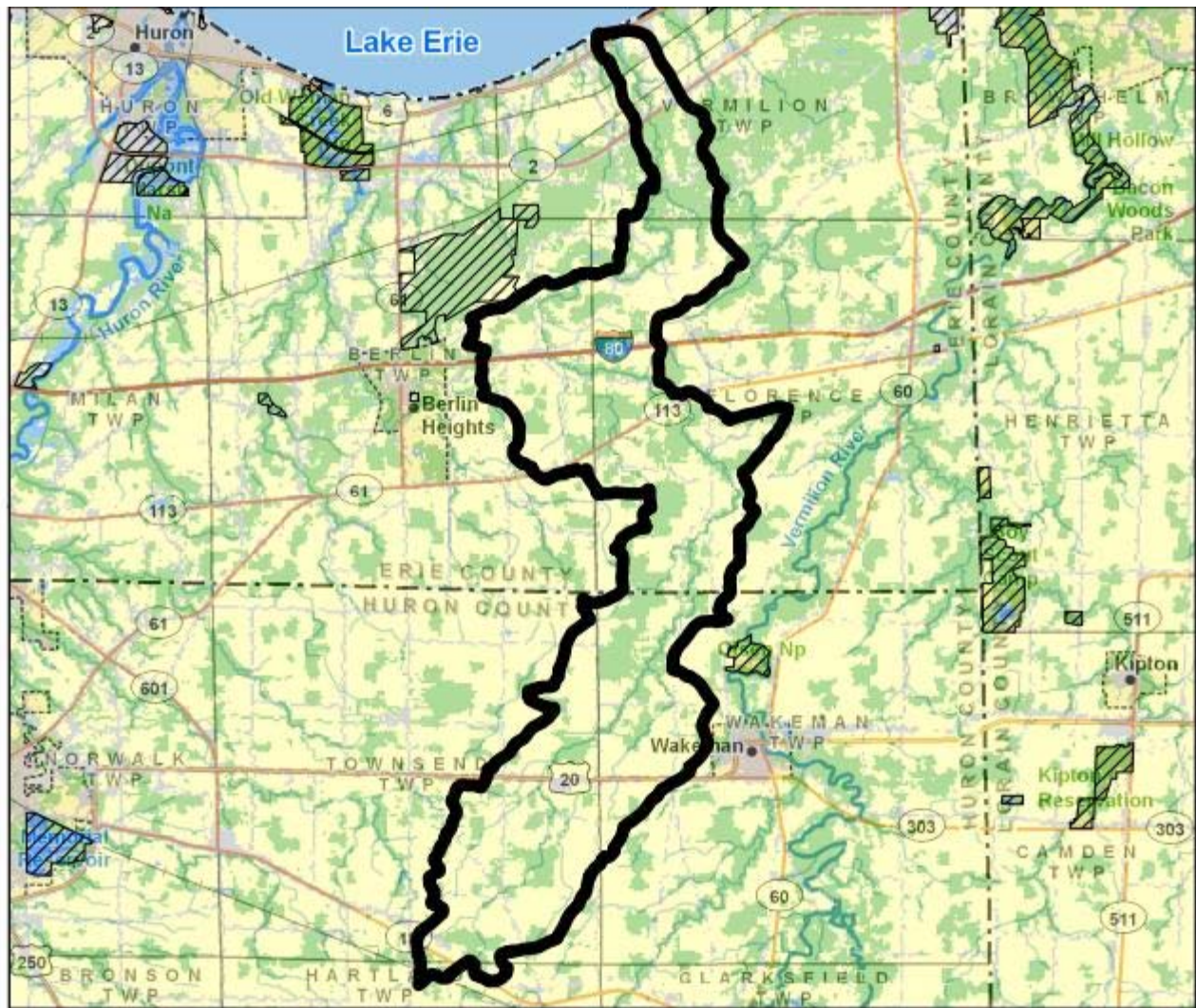
The Ohio Department of Natural Resources, Division of Soil and Water Resources makes no representations, expressed or implied, as to the accuracy, completeness and timeliness of the information displayed and is not responsible for data errors and omissions in map and report. The map or report is not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


***Chappel Creek
Watershed
Water Resources***



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.

Chappel Creek Watershed Land Use



 Conservation and Recreational Land

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.