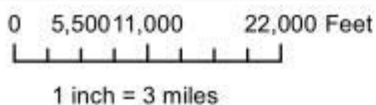
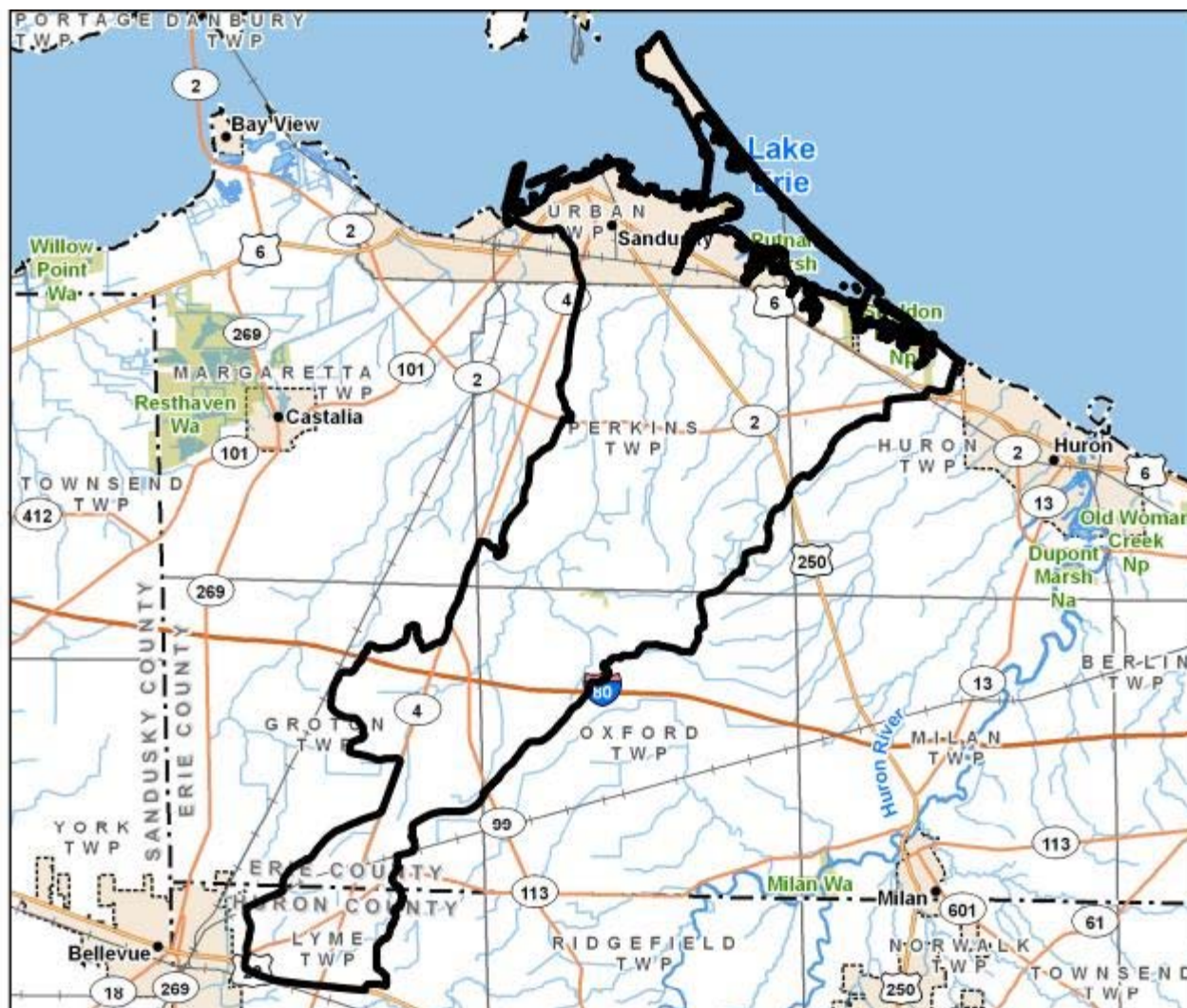


Pipe Creek-Frontal Sandusky Bay Watershed 041000110102



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Pipe Creek-Frontal Sandusky Bay

Watershed: 31030.4 acres 48.5 square miles

Hydrologic unit code (12 digit): 041000110102
 (old 14 digit): 04100011050100
 04100011060010
 04100011060020
 04100011060030
 04100011060040
 04100011060050
 04100011060060

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

Watershed Action Plan: N/A

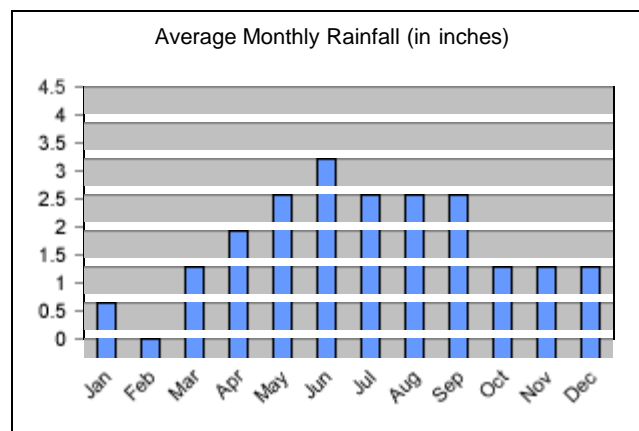
Ohio EPA

Aquatic Life Use attainment: Impaired needing TMDL

[TMDL Report \(Based on HUC 11 boundaries\)](#)
[Watershed Assessment Report](#)

Climate

Average annual maximum temperature: 56 F
 Average annual minimum temperature: 12 F
 Average annual Precipitation: 24 inches



In the Watershed

Soil and Water Conservation Districts

Erie 28707.3 acres
 Huron 2265.5 acres

Municipalities

Bellevue 1.8 acres
 Fairview Lanes 233.0 acres
 Huron 0.3 acres
 Sandusky 3905.7 acres
 Sandusky South 2628.1 acres

School Districts

Bellevue City 3887.2 acres
 Huron City 2575.9 acres
 Margaretta Local 798.4 acres
 Perkins Local 19721.3 acres
 Sandusky City 3914.4 acres

Area having Probable Karst features: 31073.4 acres

Bedrock: limestone, black shale, shale, water

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Census

Population (reported by block)
 1980: 34491 1990: 27937 2000: 28629

Water Resources

100 year floodplain: 3195.9 acres
 Wetlands (2007): 1259.5 acres
 Ponds & Lakes: 531.3 acres
 Streams & Rivers: 144.4 acres

People (reported by tract)

| | |
|-----------------|-------|
| Rural: | 2491 |
| Urban: | 26139 |
| Agricultural: | 70 |
| In Labor Force: | 13850 |

Education (reported by tract)

| | |
|------------------------------|-------|
| Enrolled K-12: | 5623 |
| Enrolled college: | 939 |
| Completed <9: | 10904 |
| Completed HS diploma or GED: | 7920 |
| Some college: | 3995 |
| Associates degree: | 1089 |
| Bachelors degree: | 1975 |
| Graduate degree: | 1038 |

Households (reported by tract)

| | |
|-----------------|----------|
| Average Size: | 2.6 |
| Average Income: | \$64,050 |

Soil Resources

| | |
|-----------------------|---------------|
| Prime farmland: | 23975.9 acres |
| Highly erodible land: | 175.6 acres |
| Frequently flooded: | 229.5 acres |
| Hydric: | 0.0 acres |
| Partially hydric: | 22896.8 acres |

Soil Drainage

| | |
|------------------|--------------|
| Well: | 2316.6 acres |
| Moderately well: | 4143.9 acres |
| Somewhat poorly: | 8861.6 acres |
| Poorly drained: | 984.2 acres |

Hydrologic Soil Group

| | |
|------|---------------|
| A: | 1213.0 acres |
| B: | 1271.1 acres |
| C: | 2022.6 acres |
| D: | 3253.9 acres |
| A/D: | 3340.5 acres |
| B/D: | 2784.4 acres |
| C/D: | 13589.2 acres |

| | |
|--|---------------|
| Approximate number of water wells: | 244 |
| Area highly sensitive to groundwater contamination: | 30981.4 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: | 8 |

Land Use and Environment

Conservation & Recreation Land: 1027.4 acres

Resource Conservation Activities

| | |
|---|-------------|
| BMP installation and land user assistance: | 49.0 sites |
| | 24.7 acres |
| Ohio EPA Approved bio-solid application fields: | 152.0 acres |
| Ohio EPA/ODA combined animal feeding operations and facilities: | 0.0 acres |
| Ohio EPA NPDES industrial and municipal discharge permits: | 6 |
| Dams: | 20 |
| Pre-settlement vegetation: | |

- Beach
- Mixed Oak Forests
- Freshwater Marshes and Fens
- Elm-Ash Swamp Forests
- Prairie Grasslands

Ecological region: Erie Lake Plain, Marblehead Drift/Limestone Plain

Land Use (acres)

| | 2009 | 2001 | 1994 |
|-------------|---------|---------|---------|
| Agriculture | 12072.5 | 20001.5 | 21322.0 |
| Water | 1136.0 | 1340.1 | 1320.3 |
| Urban | 12632.0 | 5189.6 | 4461.1 |
| Forest | 4158.2 | 3927.4 | 2619.4 |
| Barren | 879.5 | 624.1 | 622.7 |
| Shrub/Scrub | 0.8 | 5.8 | 167.6 |

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9/28/2011

Watershed impairments (Ohio EPA)

| Causes | Sources |
|----------------------------|--|
| cause unknown | acid mine drainage |
| direct habitat alterations | natural |
| natural limits | pasture land |
| nutrients | removal of riparian vegetation - agriculture |
| organic enrichment/DO | source unknown |

Ohio EPA Aquatic Life Use Designation Miles

| | Miles |
|-------------------------------------|-------|
| Coldwater Habitat (CWH) | 0.0 |
| Exceptional Warmwater Habitat (EWH) | 0.0 |
| Warmwater Habitat (WWH) | 22.3 |
| Limited Resource Water (LRW) | 0.0 |

| | |
|-----------|---|
| pH | streambank modification/destabilization - ag. |
| siltation | upstream impoundment |

Ohio EPA Source Water intakes and Protection Areas

| System | # of intakes | Acres |
|--------------------------------|--------------|-------|
| Huron Water Treatment Plant | 0 | 530.9 |
| Sandusky Water Treatment Plant | 0 | 133.7 |

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

| System | # of wells | 1 year (acres) | 5 year (acres) |
|---------------------------------|------------|----------------|----------------|
| Bloomville Village Pws | 0 | 11258.1 | 0.0 |
| Lindsey-olds Funeral Home | 0 | 11258.1 | 0.0 |
| Melmore United Methodist Church | 0 | 11258.1 | 0.0 |
| Republic Village Pws | 11258 | 11258.1 | 0.0 |
| The Corner Restaurant | 0 | 11258.1 | 0.0 |

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

Ohio EPA Aquatic Life Use Designation

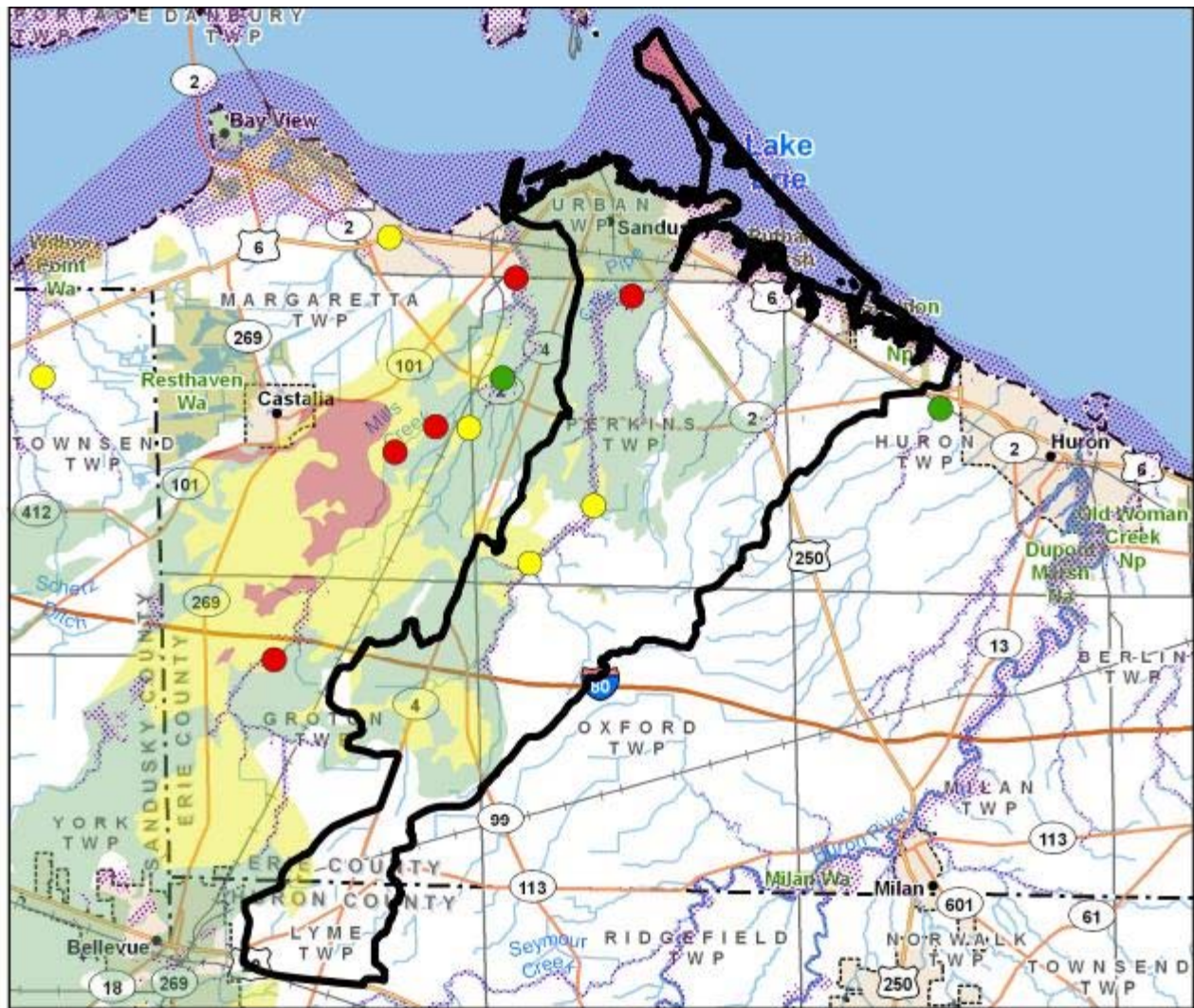
| Stream | Stream Segment Description | Aquatic Life Use Designation |
|------------|----------------------------|------------------------------|
| Pipe Creek | N/A | WWH |
| Plum Brook | N/A | WWH |

Ohio EPA Stream Classifications

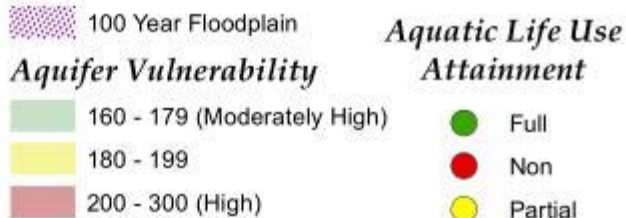
| | Miles |
|---|-------|
| Superior High Quality Waters | 0.0 |
| Primary Contact Recreation Class A Waters | 0.0 |
| Outstanding State Waters | 0.0 |

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Pipe Creek-Frontal Sandusky Bay Watershed Water Resources

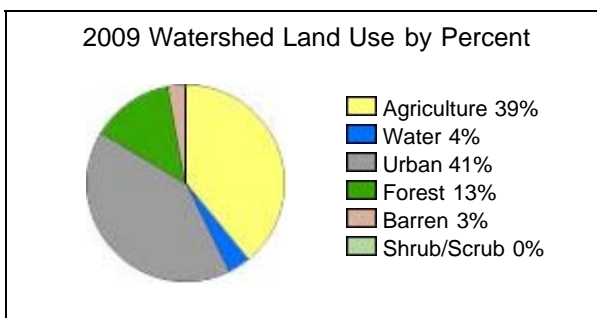
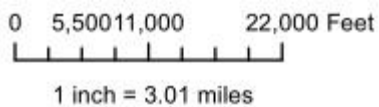
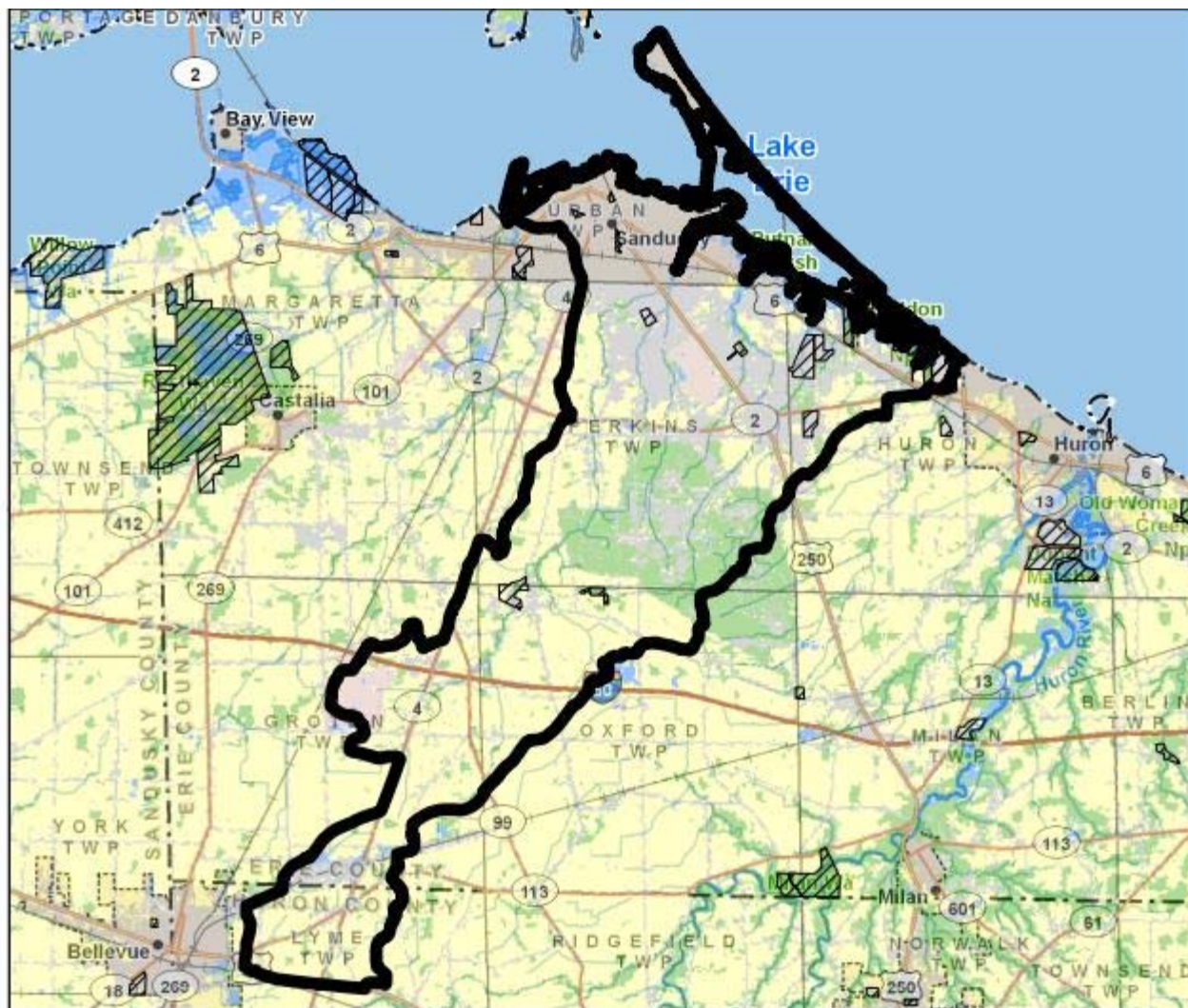


0 5,500 11,000 22,000 Feet
 1 inch = 3 miles



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Pipe Creek-Frontal Sandusky Bay Watershed Land Use



Conservation and Recreational Land

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