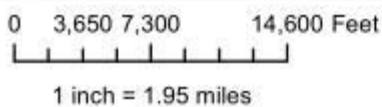
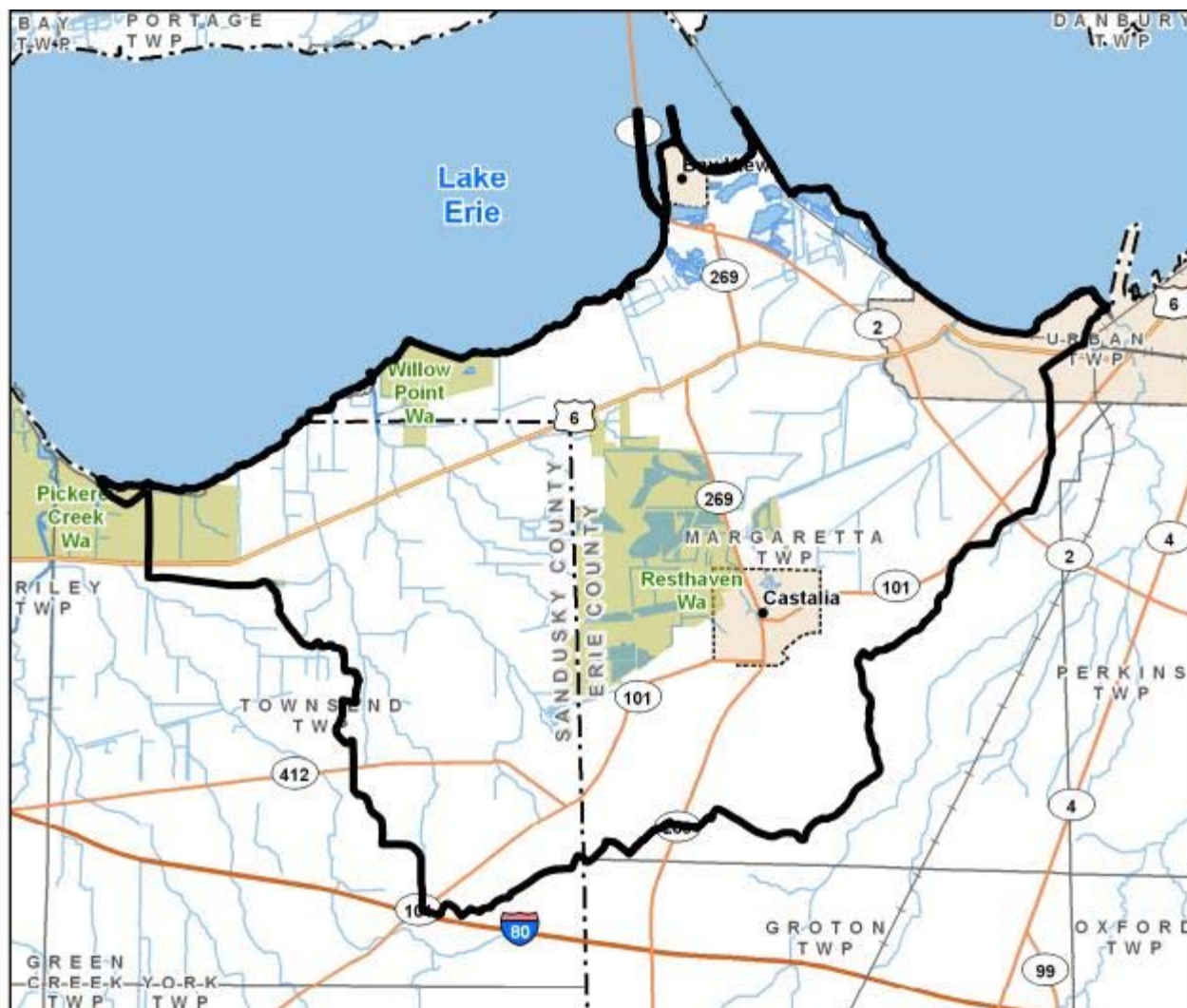


Frontal South Side of Sandusky Bay Watershed 041000110201



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Frontal South Side of Sandusky Bay

Watershed: 27770.4 acres 43.4 square miles

Hydrologic unit code (12 digit): 041000110201
 (old 14 digit): 04100011070010
 04100011070020
 04100011070030

Watershed Coordinator: Cindy Brookes
 Email: cabrookes@wsos.org
 Phone: 419-334-5016

Watershed Action Plan: N/A

[Sandusky River Website](#)

Ohio EPA

Aquatic Life Use attainment: Impaired needing TMDL

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

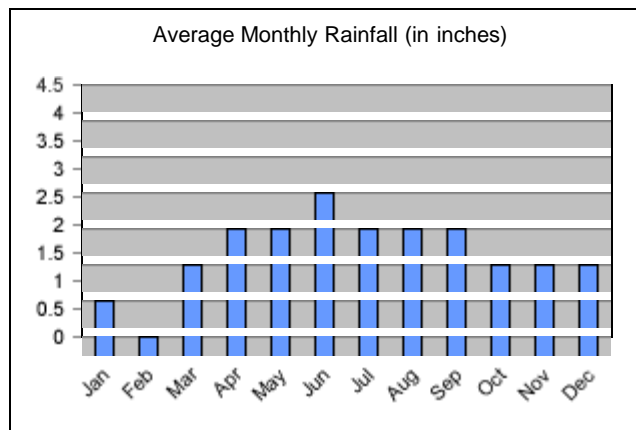
[Watershed Assessment Report](#)

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 18066.5 acres
 Sandusky 9642.7 acres

Municipalities

Bay View 172.5 acres
 Castalia 641.5 acres
 Sandusky 1198.5 acres

School Districts

Margaretta Local 26558.2 acres
 Sandusky City 1179.0 acres

Area having Probable Karst features: 27807.9 acres

Bedrock: limestone, dolostone (dolomite), water

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Census

Population (reported by block)

1980: 10390 1990: 5261 2000: 5460

Water Resources

100 year floodplain: 3427.1 acres
 Wetlands (2007): 4295.7 acres
 Ponds & Lakes: 1642.6 acres
 Streams & Rivers: 187.1 acres

People (reported by tract)

Rural:	2931
Urban:	2529
Agricultural:	119
In Labor Force:	2846

Education (reported by tract)

Enrolled K-12:	1042
Enrolled college:	153
Completed <9:	2092
Completed HS diploma or GED:	1754
Some college:	601
Associates degree:	235
Bachelors degree:	306
Graduate degree:	141

Households (reported by tract)

Average Size:	2.6
Average Income:	\$52,550

Soil Resources

Prime farmland:	21803.3 acres
Highly erodible land:	467.6 acres
Frequently flooded:	0.0 acres
Hydric:	2540.5 acres
Partially hydric:	20937.8 acres

Soil Drainage

Well:	3458.6 acres
Moderately well:	628.4 acres
Somewhat poorly:	6602.3 acres
Poorly drained:	150.5 acres

Hydrologic Soil Group

A:	1200.7 acres
B:	2625.4 acres
C:	1581.7 acres
D:	7274.1 acres
A/D:	2421.7 acres
B/D:	1270.8 acres
C/D:	10169.8 acres

Approximate number of water wells:	310
Area highly sensitive to groundwater contamination:	27749.9 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: 4015.4 acres

Resource Conservation Activities

BMP installation and land user assistance: 0.0 sites
58.3 acres

Ohio EPA Approved bio-solid application fields: 1951.3 acres

Ohio EPA/ODA combined animal feeding operations and facilities: 0.0 acres

Ohio EPA NPDES industrial and municipal discharge permits: 6

Dams: 25

Pre-settlement vegetation:

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

Ecological region: Marblehead Drift/Limestone Plain

Land Use (acres)

	2009	2001	1994
Agriculture	14813.4	20897.8	19298.9
Water	3560.0	3065.1	2823.9
Urban	5835.1	1058.7	1010.8
Forest	3311.2	2738.6	4148.3
Barren	86.0	47.8	133.4
Shrub/Scrub	0.8	0.0	157.4

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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)	35.7
Exceptional Warmwater Habitat (EWH)	0.0
Warmwater Habitat (WWH)	5.2
Limited Resource Water (LRW)	0.0

pH	streambank modification/destabilization - ag.
siltation	upstream impoundment

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
N/A	N/A	N/A

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	6921.4	0.0
Lindsey-olds Funeral Home	0	6921.4	0.0
Melmore United Methodist Church	0	6921.4	0.0
Republic Village Pws	6921	6921.4	0.0
The Corner Restaurant	0	6921.4	0.0

Ohio EPA Aquatic Life Use Designation

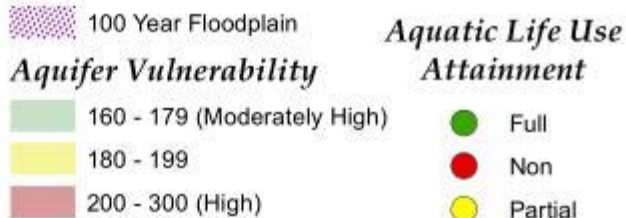
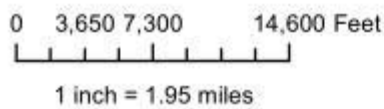
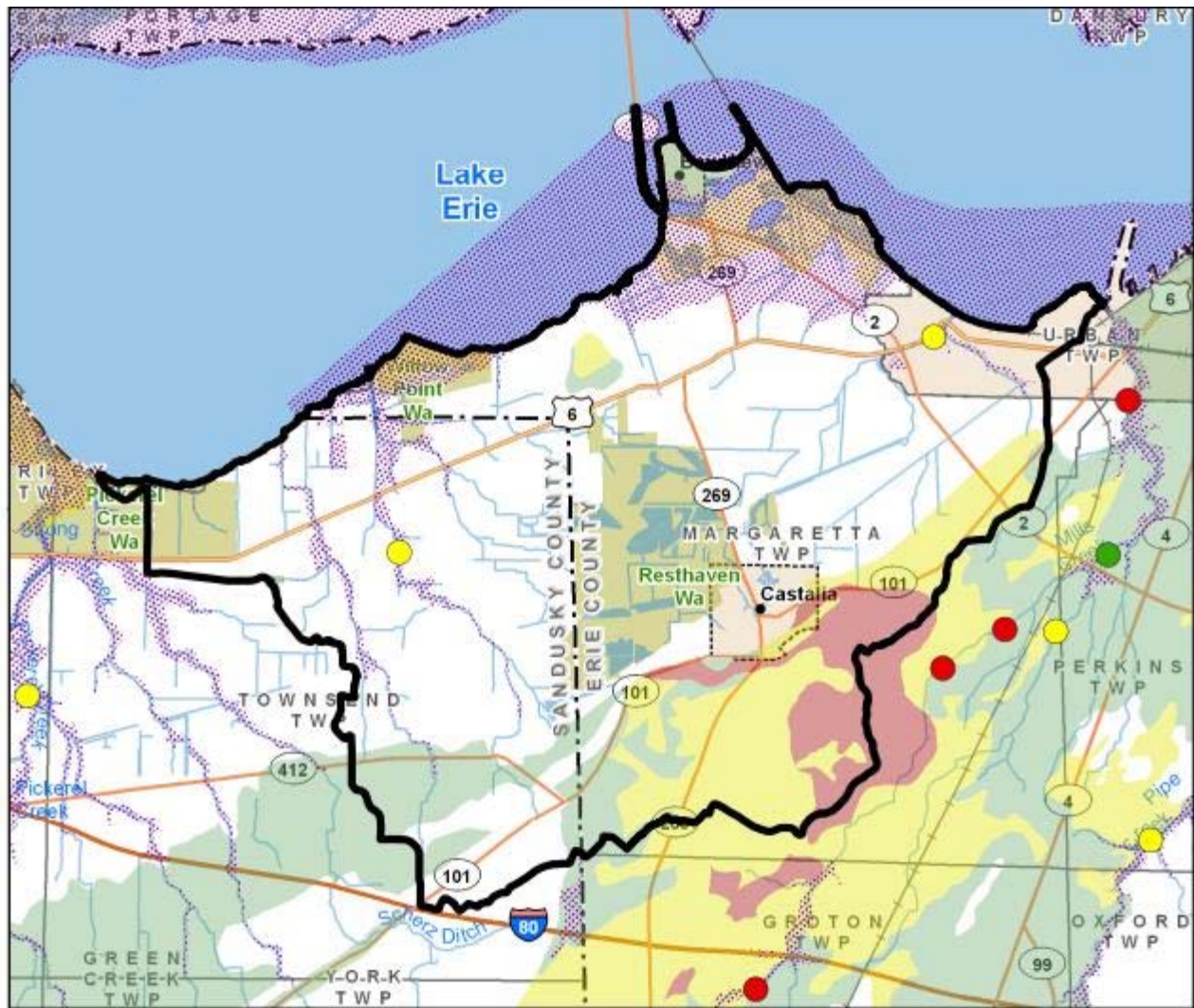
Stream	Stream Segment Description	Aquatic Life Use Designation
Cold Creek And Tributaries	all other segments	WWH
Cold Creek And Tributaries	Blue Hole to confluence with Lake Erie	CWH
Little Pickerel Creek	N/A	CWH

Ohio EPA Stream Classifications

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

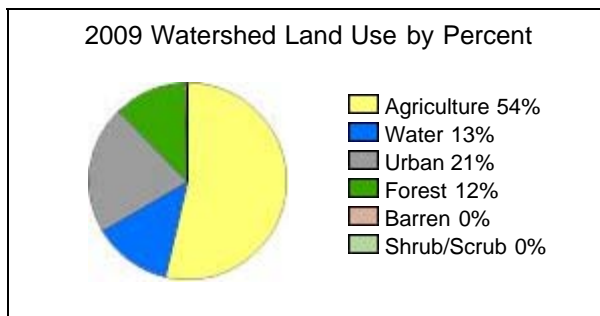
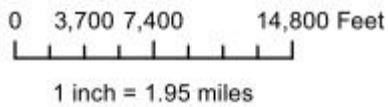
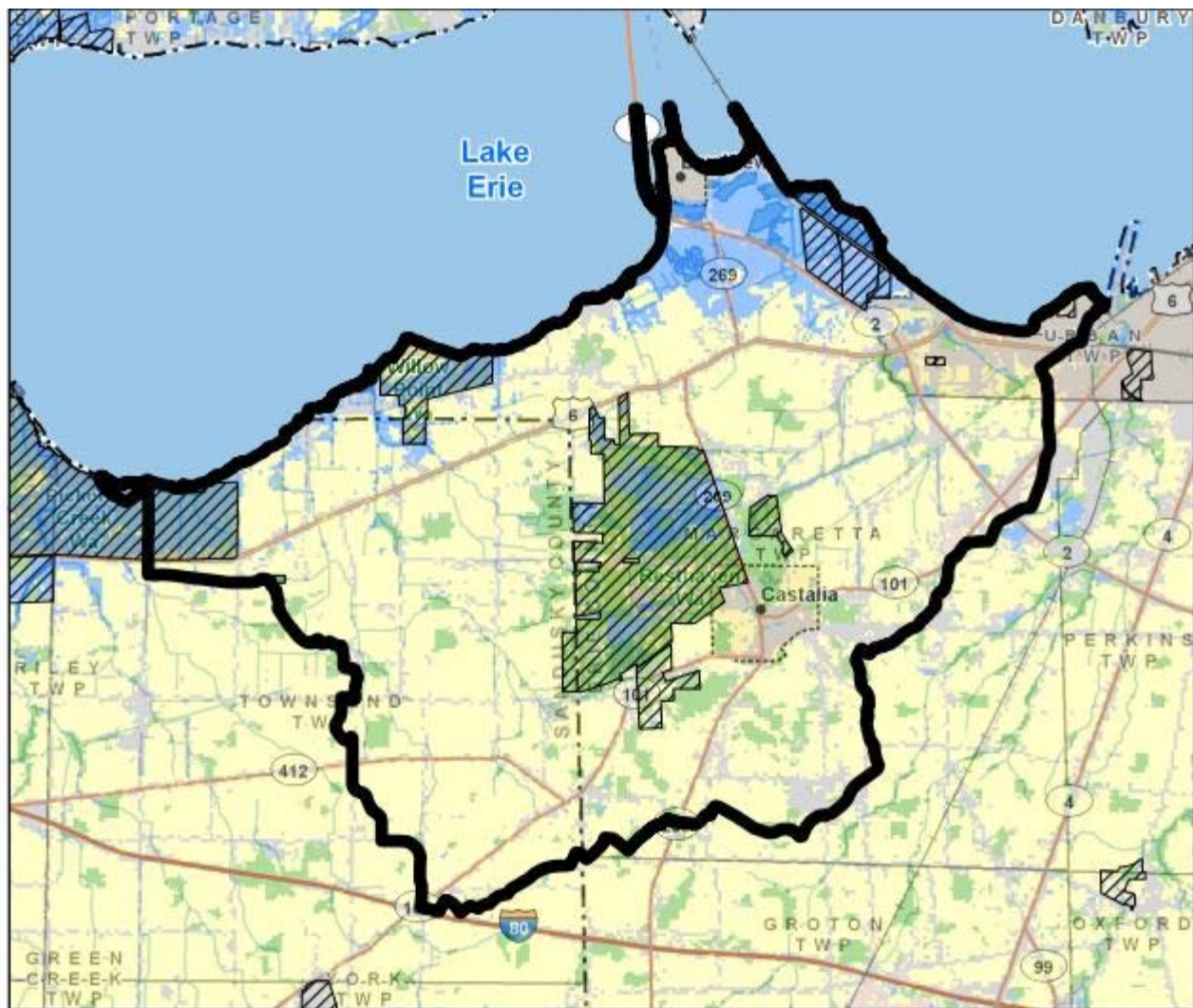
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Frontal South Side of Sandusky Bay Watershed Water Resources



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***Frontal South Side of Sandusky Bay
Watershed
Land Use***



Conservation and Recreational Land

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