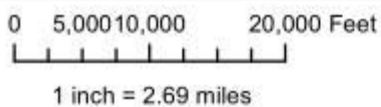
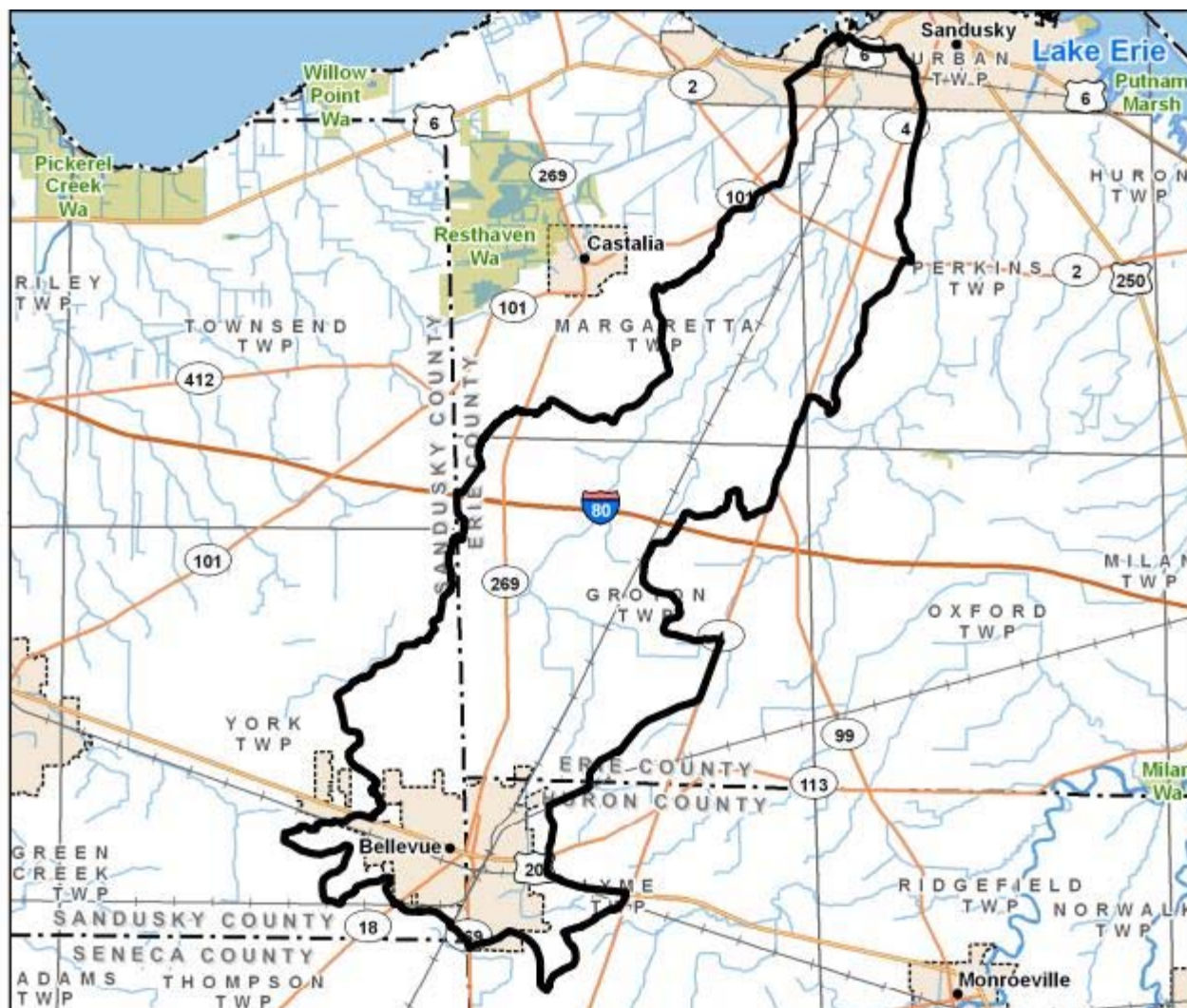


Mills Creek Watershed

041000110103



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Mills Creek

Watershed: 26953.7 acres 42.1 square miles

Hydrologic unit code (12 digit): 041000110103
(old 14 digit): 04100011070010

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

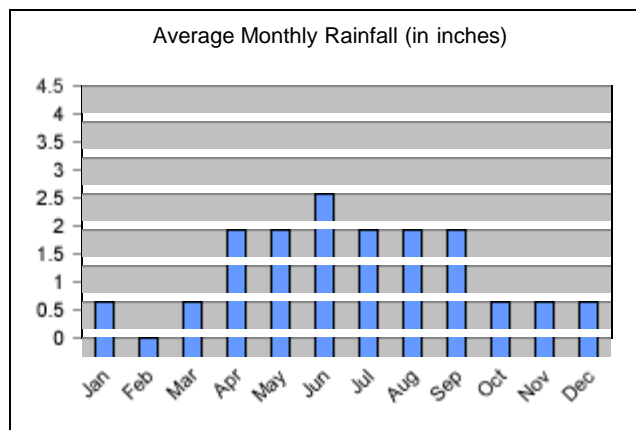
Watershed Action Plan: N/A
[Sandusky River Website](#)

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	20060.2 acres
Huron	2486.9 acres
Sandusky	4405.8 acres
Seneca	0.8 acres

Municipalities

Bellevue	2731.3 acres
Sandusky	952.5 acres

School Districts

Bellevue City	12518.1 acres
Margaretta Local	9492.2 acres
Perkins Local	3993.0 acres
Sandusky City	950.1 acres

Area having Probable Karst features: 26988.4 acres

Bedrock: limestone, shale, water

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Census

Population (reported by block)
1980: 16950 1990: 14377 2000: 14312

Water Resources

100 year floodplain:	1197.9 acres
Wetlands (2007):	610.5 acres
Ponds & Lakes:	174.9 acres
Streams & Rivers:	45.6 acres

People (reported by tract)

Rural:	2555
Urban:	11753
Agricultural:	105
In Labor Force:	7172

Education (reported by tract)

Enrolled K-12:	2913
Enrolled college:	530
Completed <9:	5506
Completed HS diploma or GED:	4319
Some college:	1705
Associates degree:	580
Bachelors degree:	707
Graduate degree:	277

Households (reported by tract)

Average Size:	2.6
Average Income:	\$55,649

Soil Resources

Prime farmland:	22397.6 acres
Highly erodible land:	2416.2 acres
Frequently flooded:	0.0 acres
Hydric:	0.0 acres
Partially hydric:	20749.8 acres

Soil Drainage

Well:	6392.1 acres
Moderately well:	3223.3 acres
Somewhat poorly:	8035.1 acres
Poorly drained:	552.8 acres

Hydrologic Soil Group

A:	1744.8 acres
B:	2926.0 acres
C:	5166.3 acres
D:	1744.8 acres
A/D:	495.9 acres
B/D:	2980.8 acres
C/D:	10793.2 acres

Approximate number of water wells:	528
Area highly sensitive to groundwater contamination:	27002.3 acres
Area above Sole Source Aquifer:	0.0 acres
Area in the Emergency Management Zone:	11.9 acres
Ohio EPA permitted Combined Sewer outflow locations:	1

Land Use and Environment

Conservation & Recreation Land:	129.6 acres
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Resource Conservation Activities

BMP installation and land user assistance:	25.0 sites
	11.0 acres
Ohio EPA Approved bio-solid application fields:	1443.9 acres
Ohio EPA/ODA combined animal feeding operations and facilities:	0.0 acres
Ohio EPA NPDES industrial and municipal discharge permits:	7
Dams:	9
Pre-settlement vegetation:	Elm-Ash Swamp Forests Mixed Oak Forests Prairie Grasslands Freshwater Marshes and Fens
Ecological region:	Marblehead Drift/Limestone Plain

Land Use (acres)

	2009	2001	1994
Agriculture	17882.8	22300.6	21809.6
Water	289.0	413.7	715.8
Urban	6829.4	2655.7	2634.8
Forest	1782.3	1478.6	1470.1
Barren	219.3	139.0	303.8
Shrub/Scrub	0.0	0.0	54.3

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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)	18.0
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
Bellevue City	2	1498.0

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	24758.4	0.0
Capitol Aluminum And Glass	0	0.6	0.0
Lindsey-olds Funeral Home	0	24758.4	0.0
Melmore United Methodist Church	0	24758.4	0.0
Republic Village Pws	24758	24758.4	0.0
The Corner Restaurant	0	24758.4	0.0

Limited Warmwater Habitat (LWH)	0.0
Modified Warmwater Habitat (MWH)	5.3
Seasonal Salmonid Habitat (SSH)	0.0

Ohio EPA Aquatic Life Use Designation

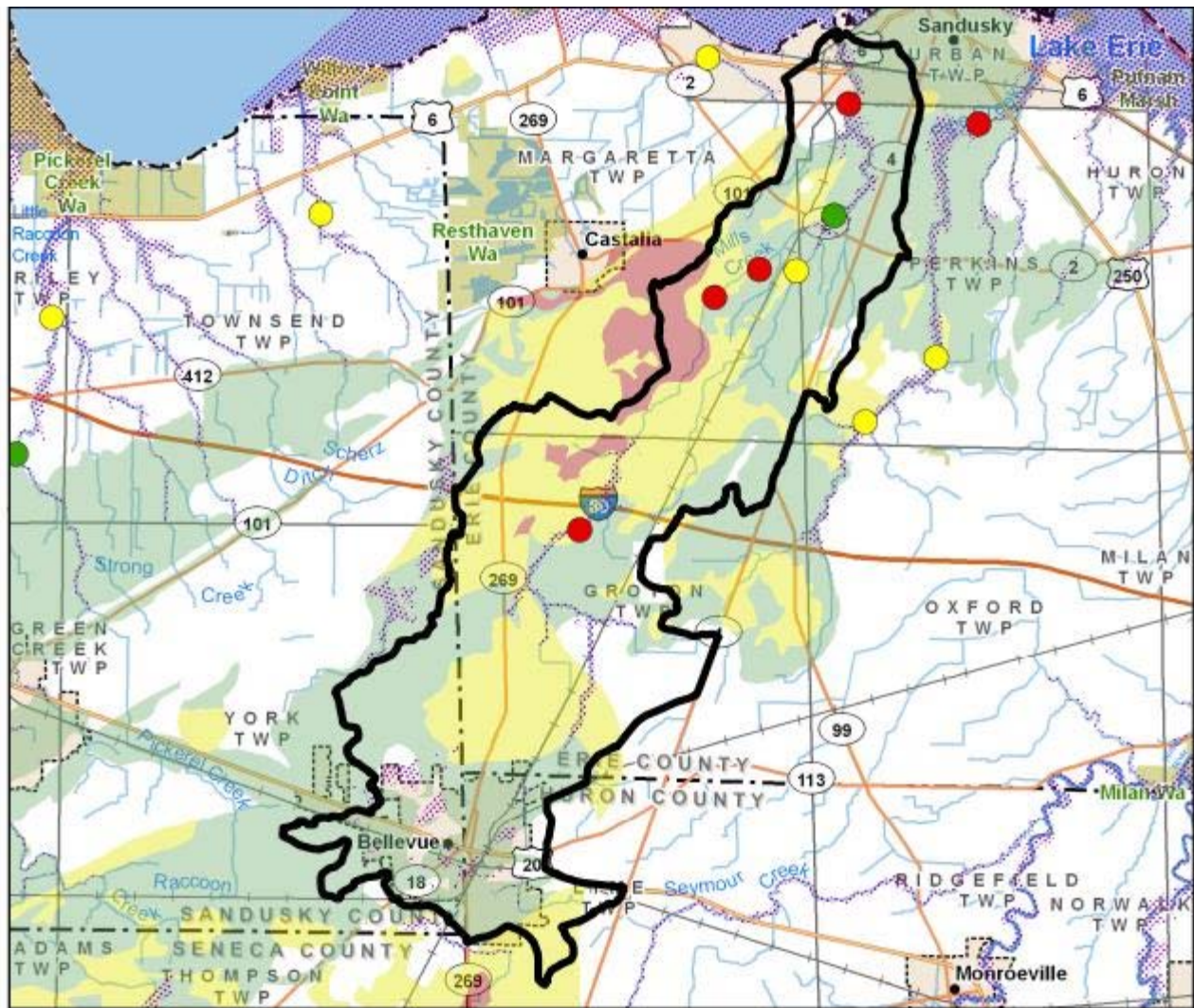
Stream	Stream Segment Description	Aquatic Life Use Designation
Caswell Ditch	N/A	WWH
Mills Creek	N/A	WWH
Snyders Ditch	all other segments	MWH

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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Mills Creek Watershed Water Resources



0 5,000 10,000 20,000 Feet
 1 inch = 2.69 miles

100 Year Floodplain
Aquifer Vulnerability

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

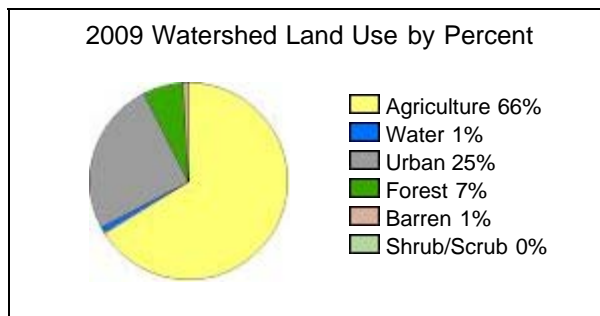
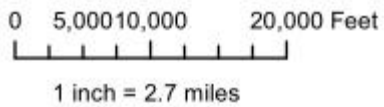
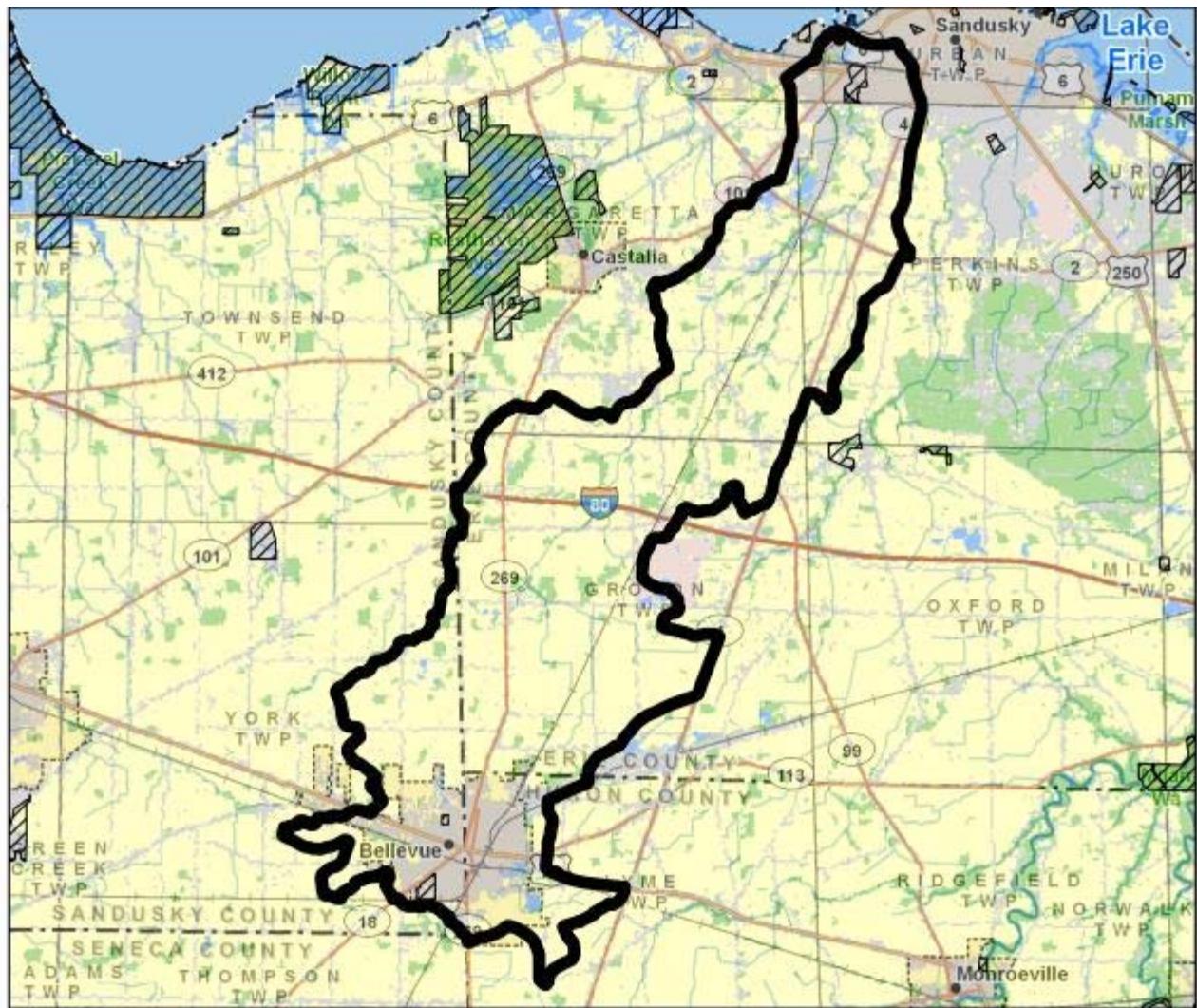
Aquatic Life Use Attainment


- Full
- Non
- Partial



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***Mills Creek
 Watershed
 Land Use***



 Conservation and Recreational Land

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