

**Ohio EPA 2008 Integrated Report Section M2
Watershed Assessment Unit (WAU) Results**

HUC11

WAU Description

WAU Size (mi²): 40.7

05030102 010

Tributaries to Pymatuning Reservoir (within Ohio)

Integrated Report Assessment Category: 5

Priority Points: 2

Next Scheduled Monitoring: 2008

Aquatic Life Use Assessment

Subcategories of ALU: WWH

Sampling Year(s):

Impairment: Unknown (3)

Stream Size Category	Raw Data		% Attainment			WAU Score		
	Data Available	No. Attaining	Full	Partial	Non	Full	Partial	Non
Secondary Tributaries								
< 5 mi ²	Site(s)	Site(s)						
Primary Tributaries								
5-20 mi ²	Site(s)	Site(s)						
20-50 mi ²	Site(s)	Site(s)						
Principal Streams								
50-500 mi ²	Site(s)							
	Miles	Miles						

High Magnitude Causes

High Magnitude Sources

Recreation Use Assessment

Subcategory of Use: Primary Contact

Impairment: Unknown (3-Indeterminate Data) Cause:

Geometric Mean: 274

No. Ambient Sites: 0

No. Ambient Sampling Records: 0

75th %ile: 593

No. of NPDES MOR Sites: 2

No. of NPDES MOR Records: 40

90th %ile: 1129

Other:

Public Drinking Water Supply Assessment

Location(s): Shenango River @RM 68.40 (Pymatuning Reservoir) [ODNR-Pymatuning S.P.]

Impairment: No (1)

Nitrate Indicator: Full Support

Cause:

Pesticide Indicator: Insufficient Data

Fish Tissue Assessment

Waters Sampled: Yes Impairment: Yes (5)

Stream Miles Monitored: 0.00 Stream Miles Impaired: Pollutants (Waterbody): PCBs (Pymatuning

Lake Acres Monitored: 3580.0 Lake Acres Impaired: 3580.0 Reservoir)

WAU Comments

The 2006 Integrated Report assessment of fish tissue data from Pymatuning Reservoir documented body burdens of one or more pollutants at levels exceeding the threshold level upon which Ohio Water Quality Standards human health criteria are based which resulted in listing as impaired for fish consumption. Comprehensive chemical, physical, and biological monitoring is scheduled in this assessment unit in 2008 to identify pollutants impairing beneficial uses and to support the development of TMDLs for those pollutants.

**Ohio EPA 2008 Integrated Report Section M2
Watershed Assessment Unit (WAU) Results**

HUC11 **WAU Description** **WAU Size (mi²):** 149.5
05030102 030 Pymatuning Creek

Integrated Report Assessment Category: 5 **Priority Points: 1**
Next Scheduled Monitoring: 2008

Aquatic Life Use Assessment

Subcategories of ALU: WWH Sampling Year(s): 1994
Impairment: Yes (5-Historical)

Stream Size Category	Raw Data		% Attainment			WAU Score		
	Data Available	No. Attaining	Full	Partial	Non	Full	Partial	Non
Secondary Tributaries								
< 5 mi ²	Site(s)	Site(s)						
Primary Tributaries								
5-20 mi ²	2 Site(s)	1 Site(s)	25.0	25.0	50.0			
20-50 mi ²	1 Site(s)	0 Site(s)				12	13	75
Principal Streams								
50-500 mi ²	7 Site(s)							
	18.0 Miles	0.0 Miles	0.00	0.00	100			

High Magnitude Causes

Organic Enrichment/DO
Flow Alterations
Direct Habitat Alterations
Pathogens

High Magnitude Sources

Urban Runoff/Storm Sewers (NPS)
Channelization - Agriculture
Natural

Recreation Use Assessment

Subcategory of Use: Primary Contact
Impairment: Unknown (3) Cause:
No. of Ambient Sites: No. of Ambient Sampling Records: Geometric Mean:
No. of NPDES MOR Sites: No. of NPDES MOR Records: 75th %ile:
Other: 90th %ile:

Public Drinking Water Supply Assessment

Location(s): No Public Drinking Water Supply Intakes

Impairment: Nitrate Indicator:
Cause: Pesticide Indicator:

Fish Tissue Assessment

Waters Sampled: Yes Impairment: Unknown (3-Indeterminate Data)
Stream Miles Monitored: 28.20 Stream Miles Impaired: Pollutants (Waterbody):
Lake Acres Monitored: 0.0 Lake Acres Impaired:

WAU Comments

Biological and water quality data collected in 1994 were used in the 2002 Integrated Report which resulted in a Category 5 (impaired) listing for the aquatic life beneficial use. These data have exceeded the ten-year threshold and are now considered historical. However, while reflecting the current status that insufficient data are available to assess beneficial use status, the assessment unit will remain Category 5 until TMDLs for all beneficial use impairments are completed and approved by the U.S. EPA. Comprehensive chemical, physical, and biological monitoring is scheduled in this assessment unit in 2008 to identify pollutants impairing beneficial uses and to support the development of TMDLs for those pollutants.

**Ohio EPA 2008 Integrated Report Section M2
Watershed Assessment Unit (WAU) Results**

HUC11 **WAU Description** **WAU Size (mi²):** 94.6
05030102 050 Yankee Creek; Little Yankee Creek

Integrated Report Assessment Category: 5 **Priority Points: 1**
Next Scheduled Monitoring: 2008

Aquatic Life Use Assessment

Subcategories of ALU: WWH Sampling Year(s): 1994
Impairment: Yes (5-Historical)

Stream Size Category	Raw Data		% Attainment			WAU Score		
	Data Available	No. Attaining	Full	Partial	Non	Full	Partial	Non
Secondary Tributaries								
< 5 mi ²	Site(s)	Site(s)						
Primary Tributaries								
5-20 mi ²	2 Site(s)	1 Site(s)	30.6	11.1	58.3			
20-50 mi ²	9 Site(s)	1 Site(s)				31	11	58
Principal Streams								
50-500 mi ²	Site(s)	Miles						

High Magnitude Causes

Nutrients
Flow Alteration
Direct Habitat Alterations

High Magnitude Sources

Major Municipal Point Source
Urban Runoff/Storm Sewers (NPS)
Hydromodification - Development
Habitat Modifications o/than Hydromod.
Source Unknown

Recreation Use Assessment

Subcategory of Use: Primary Contact
Impairment: Unknown (3-Indeterminate Data) Cause: Geometric Mean: 336
No. of Ambient Sites: 0 No. of Ambient Sampling Records: 0 75th %ile: 595
No. of NPDES MOR Sites: 1 No. of NPDES MOR Records: 56 90th %ile: 1230
Other:

Public Drinking Water Supply Assessment

Location(s): No Public Drinking Water Supply Intakes

Impairment: Nitrate Indicator:
Cause: Pesticide Indicator:

Fish Tissue Assessment

Waters Sampled: No Impairment: Unknown (3)
Stream Miles Monitored: 0.00 Stream Miles Impaired: Pollutants (Waterbody):
Lake Acres Monitored: 0.0 Lake Acres Impaired:

WAU Comments

Biological and water quality data collected in 1994 were used in the 2002 Integrated Report which resulted in a Category 5 (impaired) listing for the aquatic life beneficial use. These data have exceeded the ten-year threshold and are now considered historical. However, while reflecting the current status that insufficient data are available to assess beneficial use status, the assessment unit will remain Category 5 until TMDLs for all beneficial use impairments are completed and approved by the U.S. EPA. Comprehensive chemical, physical, and biological monitoring is scheduled in this assessment unit in 2008 to identify pollutants impairing beneficial uses and to support the development of TMDLs for those pollutants.