

Ohio EPA 2004 Integrated Report Appendix D.2 Watershed Assessment Unit (WAU) Summaries

HUC11 **WAU Description** **WAU Size (mi²):** 140.3
04100012 050 Vermilion River (headwaters to upstream East Branch)

Integrated Report Assessment Category: 5 **Priority Points:** 8
Next Scheduled Monitoring: 2011

Aquatic Life Use Assessment

Subcategories of ALU: WWH Sampling Year(s): 2002
Impairment: Yes

Stream Size Category	Raw Data		% Attainment			WAU Score		
	Data Available	No. Attaining	Full	Partial	Non	Full	Partial	Non
Small (Spatial)								
< 5 mi ²	2 Sites	0 Sites						
5-20 mi ²	14 Sites	2 Sites	7.1	67.9	25.0			
20-50 mi ²	3 Sites	0 Sites						
<hr/>						51	36	13
Large (Linear)								
50-500 mi ²	23.8 Miles	22.6 Miles	95.0	5.0	0.0			

High Magnitude Causes

Nutrients
Siltation
Flow Alteration
Other Habitat Alterations
Organic Enrichment/D.O.
Natural Limits (Drought)

High Magnitude Sources

Channelization-Development
Channelization-Agriculture
Onsite Wastewater Systems (Septic Tanks)
Hydromodification-Agriculture
Pasture Land
Nonirrigated Crop Production
Minor Municipal Point Source
Natural

Recreation Use Assessment

Subcategory of Use: Primary Contact
Impairment: Yes Geometric Mean: 380
No. Ambient Sites: 6 No. Ambient Sampling Records: 59 75th %ile: 1200
No. of NPDES MOR Sites: 1 No. of NPDES MOR Records: 7 90th %ile: 1950
Other:

Fish Consumption Advisory (FCA) Assessment

Waters Within the WAU Sampled and Assessed: Yes
FCA Issued: Yes
(See the 2004 Ohio FCA for more detailed information at "www.epa.state.oh.us/dsw/fishadvisory/index.html")
Impairment Due to FCA: No Pollutant (Waterbody):

Comments

Development of TMDLs for pollutants impairing beneficial uses is underway. Biological and water quality monitoring in support of the TMDLs was conducted in 2002. Principal streams sampled included the Vermilion River, Southwest Branch Vermilion River, Buck Creek, and Clear Creek.