

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

**HUC11**                      **WAU Description**    **WAU Size (mi<sup>2</sup>): 127.7**  
04100012 060              Vermilion River (upstream East Branch to mouth)

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

**Aquatic Life Use Assessment**

Subcategories of ALU:    EWH,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
<b>Small (Spatial)</b>								
< 5 mi <sup>2</sup>	8 Sites	3 Sites						
5-20 mi <sup>2</sup>	10 Sites	3 Sites	50.2	21.7	28.1			
20-50 mi <sup>2</sup>	3 Sites	2 Sites						
<hr/>						39	39	22
<b>Large (Linear)</b>								
50-500 mi <sup>2</sup>	29.7 Miles	8.1 Miles	27.3	56.9	15.8			

High Magnitude Causes

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

High Magnitude Sources

Flow Regulation/Modification-Development  
Channelization-Agriculture  
Nonirrigated Crop Production  
Industrial Point Source  
Minor Municipal Point Source  
Onsite Wastewater Systems (Septic Tanks)  
Natural

**Recreation Use Assessment**

Subcategory of Use: Primary Contact  
Impairment: Yes    Geometric Mean: 157  
No. Ambient Sites: 23                                      No. Ambient Sampling Records: 92                      75<sup>th</sup> %ile: 400  
No. of NPDES MOR Sites: 1                              No. of NPDES MOR Records: 60                      90<sup>th</sup> %ile: 2200  
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](http://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, East Fork Vermilion River, and East Branch Vermilion River.