

**Ohio EPA 2002 Integrated Report Appendix C  
Assessment Unit (AU) Summaries**

<b>HUC11</b>	<b>AU Description</b>	<b>AU Size (mi2)</b>
04100012 050	Vermilion River (headwaters to upstream East Branch)	140.3

**Aquatic Life Use Assessment**

Sampling Year(s):		<u>Sampling Site Size Distribution (mi2)</u>			
		<5	5-20	20-50	>50
Aquatic Life Use(s): WWH	# Sites Sampled:	0	0	0	0

Impairment? Unknown		<u>% Attainment</u>		
		<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):		0.0	0.0	0.0
Large Streams/Rivers (sites w/>50 mi2 drainage):		0.0	0.0	0.0

<u>AU Score</u> (relative amount of attainment)			<u>Weighted AU Score</u> (relative amount of attainment weighted by AU size)		
<u>Full</u>	<u>Partial</u>	<u>Non</u>	<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.00	0.00	0.00	0.0	0.0	0.0

High Magnitude Causes

High Magnitude Sources

**Recreation Use Assessment**

# of Samples w/ an Ohio WQS Violation of the Secondary Contact Recreation Maximum Criterion  
 >5000 colonies/100 ml. fecal coliform bacteria: 0  
 >576 colonies/100 ml. E. coli bacteria):  
 # Sites in AU w/ Bacteria Violations: 0  
 Total # Bacteria Sites in AU: 2  
 Other:

Impairment? Indeterminate

**Fish Consumption Assessment**

A "One Meal per Month" Fish Consumption Advisory is in effect for the Vermilion River (Smallmouth Bass). The area under the advisory includes the entire length of the river.

**Integrated Report Assessment Category: 3      Priority:      Scheduled Monitoring: 2011**

A small amount of data were collected in this watershed, but there are not enough sampling locations to do a complete assessment. The last biological survey done in this watershed was in 1987. Only reference sites on the Vermilion River mainstem have been sampled since then. A TMDL is in progress for the Vermilion River basin. Sampling was done in 2002. The middle portion of the Vermilion River is currently listed on the 303(d) list, but data from 1987 are not adequate to justify