

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

HUC11	AU Description	AU Size (mi2)
05060001 220	Big Darby Creek (downstream Little Darby Creek to mouth)	124.0

Aquatic Life Use Assessment

Sampling Year(s): 2001

Sampling Site Size Distribution (mi2)

		<u><5</u>	<u>5-20</u>	<u>20-50</u>	<u>>50</u>
Aquatic Life Use(s): EWH,WWH,MWH-C	# Sites Sampled:	7	15	0	8

Impairment? Yes

% Attainment

		<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):		44.8	20.5	34.7
Large Streams/Rivers (sites w/>50 mi2 drainage):		100.0	0.0	0.0

AU Score
(relative amount of attainment)

Weighted AU Score
(relative amount of attainment weighted by AU size)

<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.73	0.10	0.17

<u>Full</u>	<u>Partial</u>	<u>Non</u>
89.8	12.6	21.6

High Magnitude Causes

High Magnitude Sources

Nutrients
Siltation
Organic Enrichment/DO
Flow Alteration
Other Habitat Alterations
Pathogens

Package Plants (Small Flows)
Nonirrigated Crop Production
Land Development/Suburbanization
Urban Runoff/Storm Sewers (NPS)
Onsite Wastewater Systems (Septic Tanks)
Channelization - Agriculture
Natural

Recreation Use Assessment

of Samples w/ an Ohio WQS Violation of the Secondary Contact Recreation Maximum Criterion

>5000 colonies/100 ml. fecal coliform bacteria:

>576 colonies/100 ml. E. coli bacteria):

Sites in AU w/ Bacteria Violations: 0

Total # Bacteria Sites in AU: 1

Other:

Impairment? No

Fish Consumption Assessment

Integrated Report Assessment Category: 5 Priority: 3 Scheduled Monitoring: 2011

A TMDL is in progress for the Big Darby Creek basin. Monitoring in support of the TMDL was conducted in 2001 and 2002.