

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

HUC11	AU Description	AU Size (mi2)
05060001 200	Big Darby Creek (downstream Sugar Creek to upstream Little Darby Creek)	77.0

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	# Sites Sampled: 1	7	0	4

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	28.5	21.5	50.0
Large Streams/Rivers (sites w/>50 mi2 drainage):	75.6	24.4	0.0

AU Score (relative amount of attainment)		
<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.52	0.23	0.25

Weighted AU Score (relative amount of attainment weighted by AU size)		
<u>Full</u>	<u>Partial</u>	<u>Non</u>
40.1	17.6	19.3

High Magnitude Causes

Unionized Ammonia
Organic Enrichment/DO

High Magnitude Sources

Package Plants (Small Flows)
Combined Sewer Overflows
Spills

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:

Total # Bacteria Sites in AU: 0

Other:

Impairment? Unknown

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.