

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

<b>HUC11</b>	<b>WAU Description</b>	<b>WAU Size (mi<sup>2</sup>):</b> 189.6
05060001 130	Big Walnut Creek (headwaters to Hoover Dam)	

**Integrated Report Assessment Category: 5**  
**Next Scheduled Monitoring: 2010**

**Priority Points: 7**

### Aquatic Life Use Assessment

Subcategories of ALU: WWH

Sampling Year(s): 2000

Impairment: Yes

Stream Size Category	Raw Data		% Attainment			WAU Score		
	Data Available	No. Attaining	Full	Partial	Non	Full	Partial	Non
Small (Spatial)								
< 5 mi <sup>2</sup>	16 Sites	5 Sites						
5-20 mi <sup>2</sup>	15 Sites	7 Sites	36.2	8.0	55.8			
20-50 mi <sup>2</sup>	3 Sites	1 Sites						
						68	4	28
Large (Linear)								
50-500 mi <sup>2</sup>	8.4 Miles	8.4 Miles	100.0	0.0	0.0			

#### High Magnitude Causes

Cause Unknown	Suspended Solids
Unionized Ammonia	Pathogens
Nutrients	
Siltation	
Organic Enrichment/DO	
Flow Alteration	
Other Habitat Alterations	

#### High Magnitude Sources

Nonirrigated Crop Production  
Land Development/Suburbanization  
Urban Runoff/Storm Sewers (NPS)  
Onsite Wastewater Systems (Septic Tanks)  
Septage Disposal  
Hydromodification - Agriculture  
Source Unknown

### Recreation Use Assessment

Subcategory of Use: Primary Contact

Impairment: Yes

No. Ambient Sites: 43

No. Ambient Sampling Records: 205

No. of NPDES MOR Sites: 1

No. of NPDES MOR Records: 26

Other:

Geometric Mean: 476

75<sup>th</sup> %ile: 1114

90<sup>th</sup> %ile: 2900

### Fish Consumption Advisory (FCA) Assessment

Waters Within the WAU Sampled and Assessed:

FCA Issued:

(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:

Pollutant (Waterbody):

### Comments

TMDLs for pollutants impairing beneficial uses are in progress for the Big Walnut Creek watershed. Monitoring in support of the TMDL was conducted in 2000. The 2000 Big Walnut Creek basin report (EAS/2003-11-10) is available at [http://www.epa.state.oh.us/dsw/document\\_index/psdindx.html](http://www.epa.state.oh.us/dsw/document_index/psdindx.html).