

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

HUC11 **WAU Description** **WAU Size (mi²): 119.5**
04110003 020 Chagrin River (headwaters to downstream Aurora Branch)

Integrated Report Assessment Category: 5 **Priority Points: 3**
Next Scheduled Monitoring: 2004

Aquatic Life Use Assessment

Subcategories of ALU: CWH,EWH,WWH Sampling Year(s): 1994, 1995, 1996
Impairment: Yes

Stream Size Category	Raw Data		% Attainment			WAU Score		
	Data Available	No. Attaining	Full	Partial	Non	Full	Partial	Non
Small (Spatial)								
< 5 mi ²	10 Sites	6 Sites						
5-20 mi ²	9 Sites	4 Sites	66.1	26.1	7.8			
20-50 mi ²	5 Sites	4 Sites						
Large (Linear)						82	14	4
50-500 mi ²	27.5 Miles	26.9 Miles	97.8	2.2	0.0			

High Magnitude Causes

Mercury
Unionized Ammonia
Chlorine
Organic Enrichment/DO
Thermal Modifications
Flow Alteration
Other Habitat Alterations
Noxious Aquatic Plants

Filling and Draining

High Magnitude Sources

Major Industrial Point Source
Package Plants (Small Flows)
Highway/Road/Bridge/Sewer Line
Onsite Wastewater Systems (Septic Tanks)
Drainage/Filling of Wetlands - Dev.
Natural
Upstream Impoundment

Recreation Use Assessment

Subcategory of Use: Primary Contact
Impairment: No Geometric Mean: 380
No. Ambient Sites: 32 No. Ambient Sampling Records: 80 75th %ile: 753
No. of NPDES MOR Sites: 6 No. of NPDES MOR Records: 360 90th %ile: 1680
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")
Impairment Due to FCA: No Pollutant (Waterbody):

Comments

Chemical, physical, and biological sampling was conducted in the assessment unit in 2003 and 2004 as part of monitoring in the Chagrin River watershed to develop TMDLs for pollutants causing beneficial use impairments. A watershed action plan for this assessment unit has been endorsed by the Ohio EPA and Ohio DNR.