

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

HUC11	AU Description	AU Size (mi2)
05040005 020	Wills Creek (headwaters to upstream Leatherwood Creek); excluding Seneca Fork	163.4

Aquatic Life Use Assessment

Sampling Year(s): 1994, 1999

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH,LRW,LWH

Sites Sampled:

<u><5</u>	<u>5-20</u>	<u>20-50</u>	<u>>50</u>
0	8	0	7

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	0.0	37.5	62.5
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	41.4	58.6

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>
0.00	0.39	0.61

<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.0	64.5	98.9

High Magnitude Causes

High Magnitude Sources

Metals
Unionized Ammonia
Siltation
Other Habitat Alterations

Surface Mining
Onsite Wastewater Systems (Septic Tanks)
Hazardous Waste
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: 1

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

Sites in AU w/ Bacteria Violations: 1

Total # Bacteria Sites in AU: 6

Other:

Impairment? Indeterminate

Fish Consumption Assessment

Integrated Report Assessment Category: 5 Priority: 1 Scheduled Monitoring: 2008

Only biological reference sites have been sampled since 1987. However, mining impacts are so severe (sedimentation) that the mainstem and several of the headwaters tributaries are still representative of the majority of the basin.