

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

HUC11	AU Description	AU Size (mi2)
05030202 090	Leading Creek	150.1

Aquatic Life Use Assessment

Sampling Year(s): 1993-1996, 1998-2000

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH

# Sites Sampled:	<u><5</u>	<u>5-20</u>	<u>20-50</u>	<u>>50</u>
	6	0	3	6

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	33.3	0.0	66.7
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	31.4	68.6

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>
0.17	0.16	0.67

<u>Full</u>	<u>Partial</u>	<u>Non</u>
25.1	23.6	101.4

High Magnitude Causes

High Magnitude Sources

Cause Unknown
pH
Siltation
Salinity/TDS/Chlorides
Other Habitat Alterations

Minor Industrial Point Source
Nonirrigated Crop Production
Pasture Land
Surface Mining
Subsurface Mining
Channelization - Development
Source Unknown

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: 1 Scheduled Monitoring: 2009

Extensive sampling has been done since 1993 to monitor the recovery of Leading Creek and Parker Run following a major release of acidic mine water.