

**PROJECT DATA**  
**Results from Selected Sites in the Great Miami and Little Miami River Basin**  
**(National Water-Quality Assessment Program)**  
FISH-COMMUNITY RESULTS FROM FIXED SITES

Fish-community surveys were conducted at two sites in the Great and Little Miami River Basins as part of the National Water-Quality Assessment Program (NAWQA). The sites were sampled as part of a multiyear assessment to estimate year-to-year variability. Fish were collected by electrofishing with a barge electroshocker and pulsed-DC current in a mapped reach at each site. Two electrofishing passes were done at each reach in a single day. Fish were identified, measured, weighed, and checked for external anomalies such as parasites, lesions, and skeletal anomalies. Fish were identified in the field and representative specimens were preserved, identified, and vouchered by Dr. Terry Keiser, Ohio Northern University. More details regarding collection methods can be found in Meador and others (1993). Taxonomy is based on Robins and others (1991).

CALENDAR YEAR 2001

[(00095), USGS National Water Information System parameter code; mi<sup>2</sup>, square mile; µS/cm, microsiemens per centimeter; deg C, degrees Celsius; mg/L, milligrams per liter.]

STATION NUMBER	STATION NAME	DATE	DRAINAGE AREA (MI <sup>2</sup> )	REACH LENGTH (METERS)	SPECIFIC CONDUCTANCE, FIELD (US/CM) (00095)	PH, WHOLE WATER FIELD (STANDARD UNITS) (00400)	WATER TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
393944084120700	Holes Creek at Kettering, Ohio	08/28/01	20.0	200	499	8.2	23.8	7.7
395650083504400	Mad River near Highway 41 near Springfield, Ohio	08/29/01	318.6	350	724	8.0	19.5	16.2

FAMILY	SCIENTIFIC NAME	COMMON NAME	HOLES CREEK AT HUFFMAN PARK AT KETTERING, OHIO		MAD RIVER NEAR HIGHWAY 41 NEAR SPRINGFIELD, OHIO	
			ABUNDANCE	BATCH WEIGHT (GRAM)	ABUNDANCE	BATCH WEIGHT (GRAM)
Petromyzontidae	<i>Lampetra appendix</i>	American brook lamprey	---	---	3	42.5
Cyprinidae	<i>Camptostoma anomalum</i>	central stoneroller	577	2752	280	6781.5
	<i>Clinostomus elongatus</i>	redside dace	---	---	38	223.7
	<i>Cyprinella spiloptera</i>	spotfin shiner	1	7	---	---
	<i>Cyprinus carpio</i>	common carp	2	2050	11	5218
	<i>Exoglossum laurae</i>	tonguetied minnow	---	---	1	17
	<i>Luxilus chrysocephalus</i>	striped shiner	51	367.7	3	27
	<i>Notropis buccatus</i>	silverjaw minnow	1	3.1	1	3
	<i>Notropis photogenis</i>	silver shiner	---	---	1	5
	<i>Notropis stramineus</i>	sand shiner	16	29.5	---	---
	<i>Pimephales notatus</i>	bluntnose minnow	53	140	7	32
	<i>Pimephales promelas</i>	fathead minnow	---	---	3	13
	<i>Rhinichthys atratulus</i>	blacknose dace	6	13.2	97	414.2
	<i>Semotilus atromaculatus</i>	creek chub	68	573	396	9027
	Catostomidae	<i>Catostomus commersoni</i>	white sucker	14	527	567
<i>Hypentelium nigricans</i>		northern hog sucker	19	958	43	10322.6
<i>Moxostoma erythrurum</i>		golden redhorse	1	194	---	---
Ictaluridae	<i>Ameiurus natalis</i>	yellow bullhead	2	7	1	222
Esocidae	<i>Esox americanus vermiculatus</i>	grass pickerel	---	---	1	64
Salmonidae	<i>Salmo trutta</i>	brown trout	---	---	3	548
Gasterosteidae	<i>Culaea inconstans</i>	brook stickleback	---	---	1	1
Cottidae	<i>Cottus bairdi</i>	mottled sculpin	---	---	9	61.4
Centrarchidae	<i>Ambloplites rupestris</i>	rock bass	---	---	1	64
	<i>Lepomis cyanellus</i>	green sunfish	2	73	4	68
	<i>Lepomis macrochirus</i>	bluegill	22	391.5	10	58
	<i>Micropterus dolomieu</i>	smallmouth bass	1	227	---	---
	<i>Micropterus punctulatus</i>	spotted bass	7	19	1	4
	<i>Micropterus salmoides</i>	largemouth bass	1	57	5	45
	Percidae	<i>Etheostoma blennioides</i>	greenside darter	---	---	6
<i>Etheostoma caeruleum</i>		rainbow darter	---	---	2	4.3
<i>Etheostoma flabellare</i>		fantail darter	50	94.8	---	---
NUMBER OF SPECIES			19	---	26	---
HYBRID SPECIES			1	---	---	---
TOTAL NUMBER OF FISH			894	---	1487	---