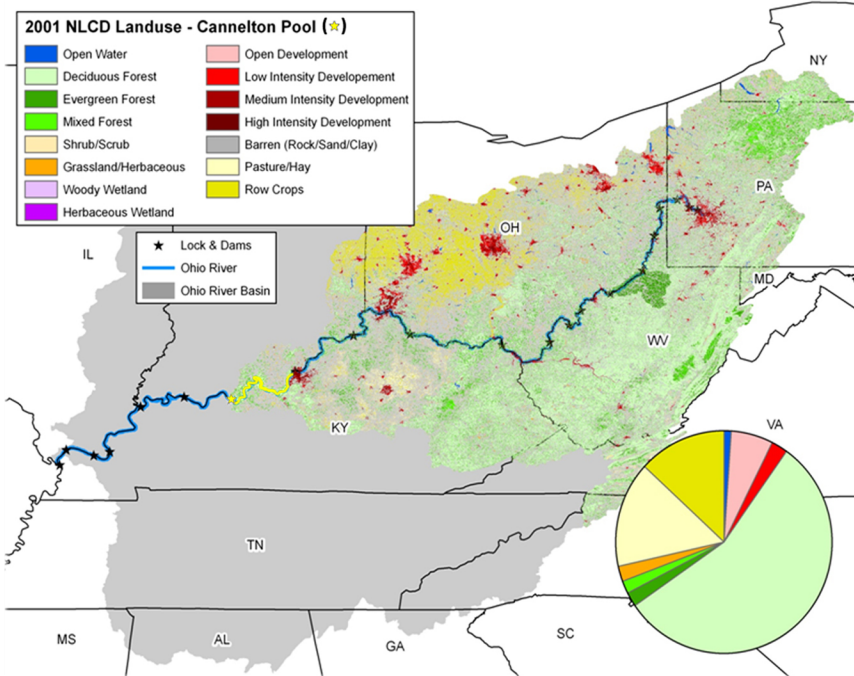
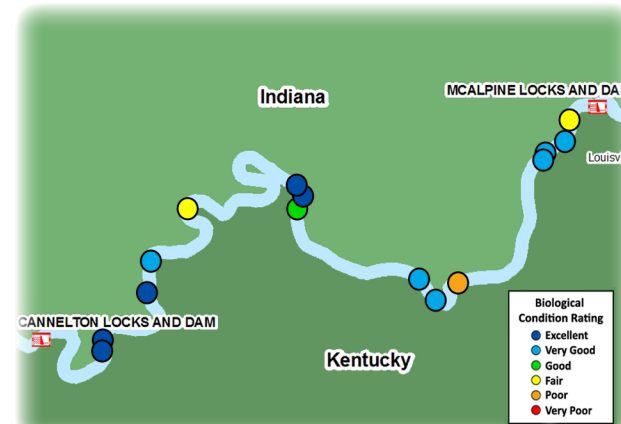
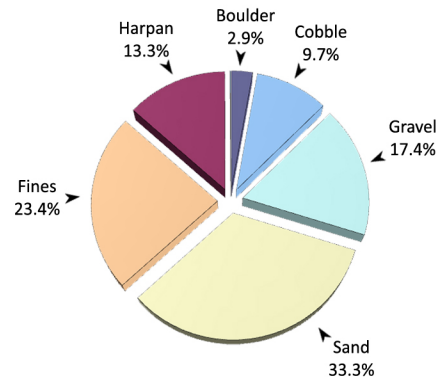
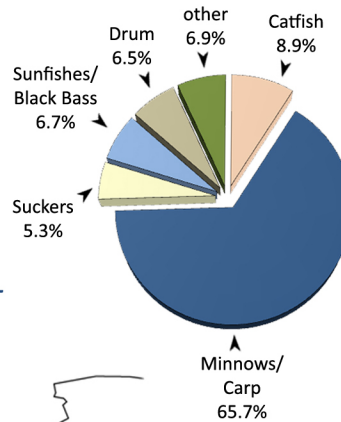


Cannelton Pool - 2011

The Cannelton pool is 113.9 miles long, extending from McAlpine Locks and Dam (ORM 606.8) to Cannelton Locks and Dam (ORM 720.7). The pool has a gradient of 0.3 feet per mile and averages 1,674 feet wide and 32 feet deep. The pool is bordered by the states of Kentucky and Indiana. The Cannelton pool receives water from the Salt River, Big Indiana Creek, Sinking Creek, and Blue River. The Falls of Ohio (Clarksville, Indiana) is located in Cannelton pool and provides a unique habitat in the river, therefore a unique fish community is also present. Many species such as blue suckers (*Cycoreus elongatus*) and striped bass (*Morone saxatilis*) take advantage of the high velocities and shallow water. This riffle-like habitat offers quasi-natural, historical conditions that were once intermittent along the entire length of the river.



Land-use types within the Cannelton Pool watershed



Locations of the 15 randomly chosen electrofishing sites in Cannelton Pool

Densely wooded shorelines with natural rocky cover are a common sight throughout the scarcely populated middle and lower portions of Cannelton Pool



redear sunfish (*Lepomis microlophus*)

Site Performance

| Site No. | River Mile | Habitat Class | ORFIn Exp | ORFIn Obs | mORFIn Score |
|----------|------------|---------------|-----------|-----------|--------------|
| 1 | 610.5 | B | 46.71 | 54.42 | 29.25 |
| 2 | 612.8 | D | 41.80 | 59.17 | 41.19 |
| 3 | 614.9 | D | 41.80 | 68.22 | 49.67 |
| 4 | 615.6 | C | 44.55 | 61.70 | 40.46 |
| 5 | 634.1 | D | 41.80 | 40.39 | 18.63 |
| 6 | 638.1 | D | 41.80 | 62.53 | 44.34 |
| 7 | 641.0 | D | 41.80 | 65.94 | 47.52 |
| 8 | 656.8 | C | 44.55 | 58.02 | 36.50 |
| 9 | 658.2 | B | 46.71 | 75.87 | 50.27 |
| 10 | 659.7 | D | 41.80 | 72.41 | 54.56 |
| 11 | 681.7 | D | 41.80 | 47.29 | 26.93 |
| 12 | 692.4 | D | 41.80 | 66.36 | 47.92 |
| 13 | 695.9 | D | 41.80 | 70.88 | 52.73 |
| 14 | 705.8 | D | 41.80 | 71.38 | 53.33 |
| 15 | 707.4 | E | 39.59 | 71.14 | 60.00 |

Average Pool mORFIn Score 43.6

Cannelton Pool - Results Overview

Sampling Results

Environmental Measures

Dominant Habitat Class: D - shallow sand/fines

Notable Measures: higher velocities in the upper reaches

Biological Measures

Total No. of Fish Species: 48

Average No. of Individuals: 182

Dominant Family (*minus herring/shad*): Minnows/Carp

Dominant Species (*minus shad/shiners*): freshwater drum

Threatened and Endangered Species: none were captured

Rare Ohio River Mainstem Species: warmouth

Notable Catch: walleye (more common upstream)

Assessment Results

Highest scoring ORFIn metric (*minus DELTs*): % Non-natives

Lowest scoring ORFIn metric: % Lithophils

Sites Above 25th percentile (i.e. mORFIn Score = 20): 14

Sites Below 25th percentile (i.e. mORFIn Score = 20): 1

Aquatic Life-Use Designation: Met

Overall Biological Condition Rating: Very Good



longnose gar (*Lepisosteus osseus*)