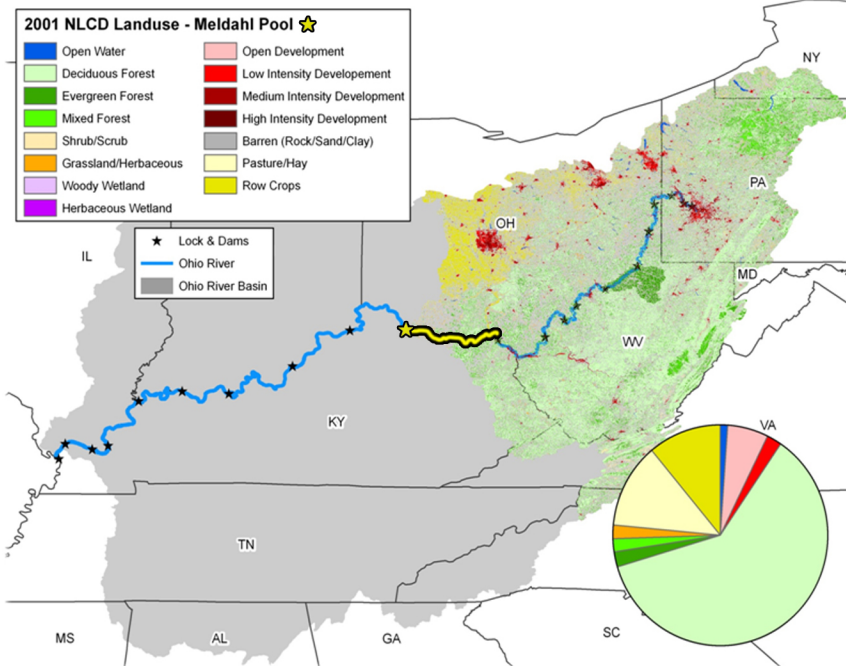


Meldahl Pool - 2012

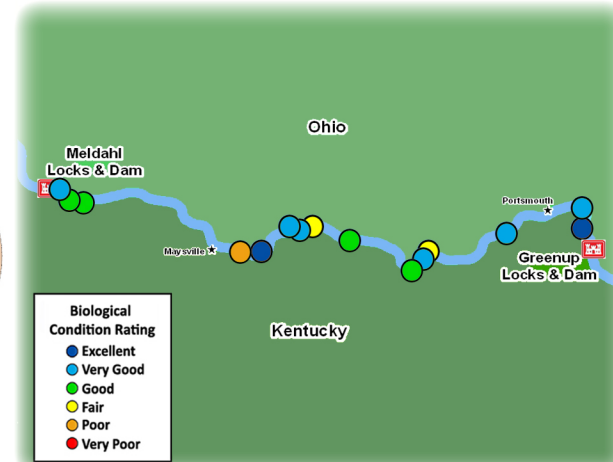
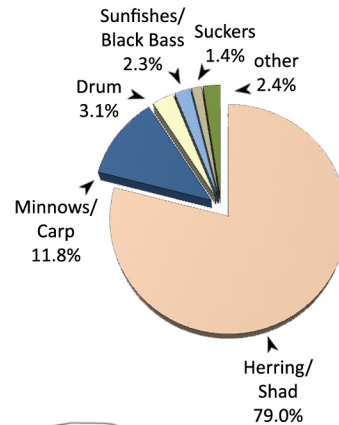
Meldahl pool is 95.2 miles long, extending from Greenup Locks and Dam (ORM 341.0) to Meldahl Locks and Dam (ORM 436.2). The pool has a gradient of 0.3 feet per mile, averages 1,603 feet wide and 23 feet deep. The pool flows adjacent to the states of Ohio and Kentucky. The shorelines of this pool support a moderate degree of aquatic vegetation in the littoral zone. The Meldahl pool receives water from eight sub-basins: the Scioto and Little Scioto rivers, Pine, Tygarts, Kinniconick, Ohio Brush, Eagle, and White Oak creeks with a combined tributary drainage area of 8,340 square miles (ORSANCO 1994). Meldahl pool lies in a portion of the Ohio River where the land use consists primarily of deciduous forest (59.3%), but is also impacted by row crops (10.8%) and pasture lands (12.1%). Historically, Meldahl is consistently rated as one of the better pools on the Ohio River.



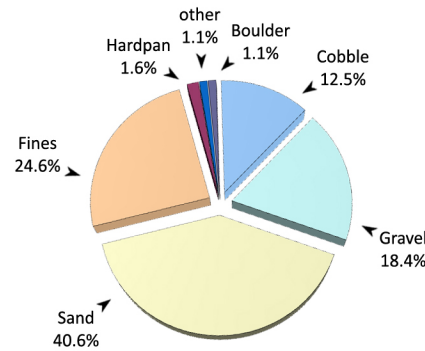
Land-use types within the Meldahl Pool watershed



sauger (*Sander canadensis*)



Locations of the 15 randomly chosen electrofishing sites in Meldahl Pool



freshwater drum (*Aplodinotus grunniens*)

Site Performance

Site No.	River Mile	Habitat Class	ORFIn Exp	ORFIn Obs	mORFIn Score
1	344.6	A	50.03	82.18	60.0
2	348.0	C	44.55	65.51	43.6
3	360.8	E	39.59	63.65	45.5
4	374.2	D	41.80	43.35	22.0
5	374.8	C	44.55	65.49	43.6
6	376.3	E	39.59	57.81	38.4
7	387.3	E	39.59	55.48	35.7
8	392.7	D	41.80	46.71	26.2
9	394.9	D	41.80	59.76	41.7
10	395.1	E	39.59	66.31	48.8
11	402.6	E	39.59	70.33	60.0
12	405.3	C	44.55	42.88	18.8
13	431.5	D	41.80	52.51	33.4
14	433.0	E	39.59	57.39	37.9
15	434.7	C	44.55	64.24	42.6

Average Pool mORFIn Score 39.9

Meldahl Pool - Results Overview

Sampling Results

Environmental Measures

Dominant Habitat Class: E - deep sand/fines
Notable Measures: high occurrence of woody structure

Biological Measures

Total No. of Fish Species: 41
Average No. of Individuals: 191
Dominant Family (*minus herring/shad*): Minnows/Carp
Dominant Species (*minus shad/shiners*): freshwater drum
Threatened and Endangered Species: channel darter (T)
Rare Ohio River Mainstem Species: slenderhead darter
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: Good

Forested shorelines and woody cover are a common sight within Meldahl pool, like this photo taken near Vanceburg, KY

