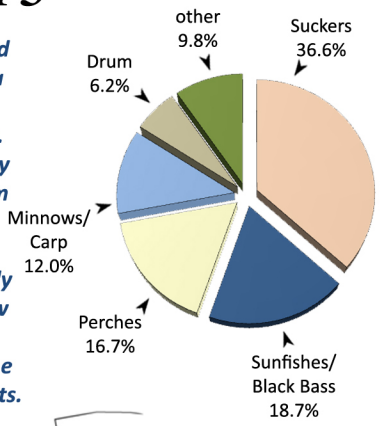
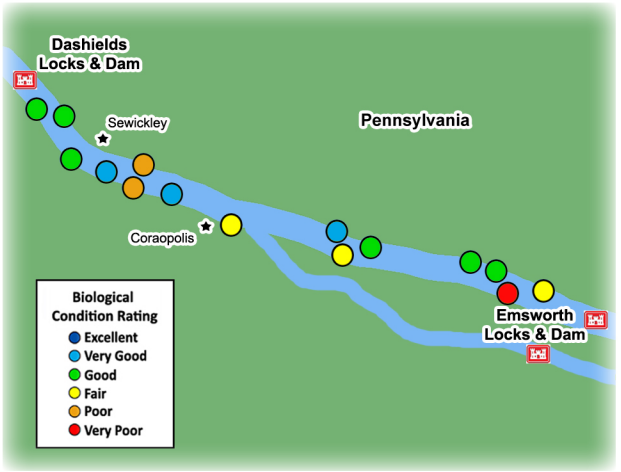
Dashields Pool - *2013*

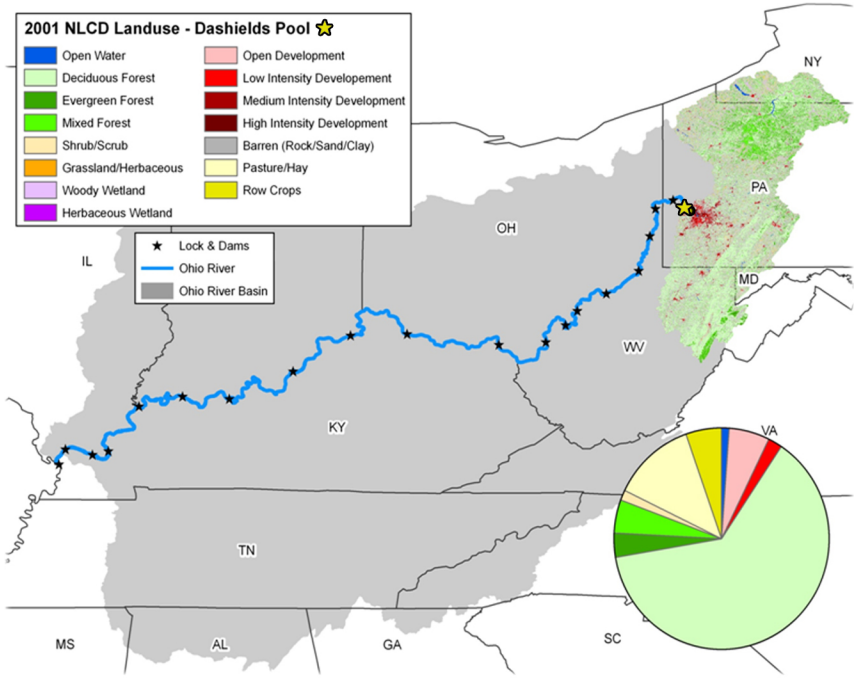
The Dashields pool is 7.1 miles long, extending from Emsworth Locks and Dam (ORM 6.2) to Dashields Locks and Dam (ORM 13.3). The pool has a gradient drop of 0.7 feet per mile and averages 1,467 feet wide and 14 feet deep (ORSANCO 1994). The entirety of the pool lies in Pennsylvania. This pool lies in a portion of the Ohio River heavily influenced by industry with a large amount of barge activity. The pool receives little water from tributaries. The shorelines of this pool support a moderate degree of aquatic vegetation, and where aquatic vegetation was observed, the dominant species was invasive (Hydrilla spp.). The watershed is primarily forested (60.7%), and is also comprised of pasture lands (12.0%) and row crops (5.2%). The Ohio Park Superfund site lies on the western tip of Neville Island, which creates a 3 mile back channel on the Ohio River. The site has been reclaimed to an extent by removing and isolating pollutants.



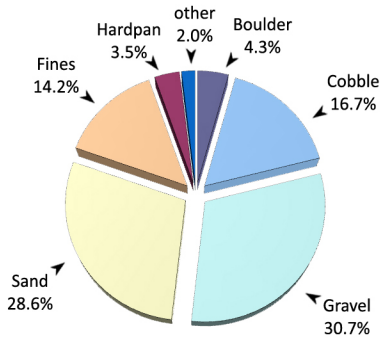


Locations of the 15 randomly chosen electrofishing sites in Dashields Pool

The shorelines of Dashields Pool are lined with mooring cells, loading docks & other industrial infrastructure



Land-use types within the Dashields Pool watershed



streamline chub (*Erimystax dissimilis*)

sauger (*Sander canadensis*)

Site Performance

Site No.	River Mile	Habitat Class	ORFIn Exp	ORFIn Obs	*m*ORFIn Score
1	6.7	A	50.03	54.04	26.8
2	7.1	C	44.55	29.98	9.9
3	7.3	C	44.55	57.09	35.5
4	7.6	C	44.55	57.75	36.2
5	8.6	C	44.55	54.85	32.9
6	8.9	B	46.71	53.97	28.7
7	8.9	C	44.55	68.46	46.1
8	10	B	46.71	50.10	24.1
9	10.8	C	44.55	64.87	43.1
10	11.2	C	44.55	33.58	12.4
11	11.2	B	46.71	38.91	11.2
12	11.5	D	41.80	64.52	46.2
13	11.9	B	46.71	63.25	39.4
14	12.3	B	46.71	57.89	33.3
15	12.6	C	44.55	58.53	37.1
			Average Pool *mORFIn* Score		**30.8**

Dashields Pool - Results Overview

Sampling Results

Environmental Measures

Dominant Habitat Class: C - equal mix of coarse and fines

Notable Measures: Above average flows and poor water clarity were observed during the sampling period

Biological Measures

Total No. of Fish Species: 38

Average No. of Individuals: 134

Dominant Family (*minus herring/shad*): Suckers

Dominant Species (*minus shad/shiners*): sauger

Threatened and Endangered Species: mooneye & longear sunfish

Rare Ohio River Mainstem Species: streamline chub

Notable Catch: muskellunge & ohio lamprey

Assessment Results

Highest scoring ORFIn metric (*minus DELTs*): Sucker Species

Lowest scoring ORFIn metric (*minus GR Species*): % Invertivores

Sites Above 25th percentile (i.e. *m*ORFIn Score = 20): 12

Sites Below 25th percentile (i.e. *m*ORFIn Score = 20): 3

Aquatic Life-Use Designation: Met

Overall Biological Condition Rating: Good