

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_05-083**

BARNETT DIKE NO 2

Bay-wide Diadromous Tier 11
 Bay-wide Resident Tier 19
 Bay-wide Brook Trout Tier N/A
 NID ID
 State ID 05-083
 River Name
 Dam Height (ft) 3.5
 Dam Type Gravity
 Latitude 40.0157
 Longitude -78.6797
 Passage Facilities None Documented
 Passage Year N/A
 Size Class 1a: Headwater (0 - 3.861 sq mi)
 HUC 12 Headwaters Raystown Branch Ju
 HUC 10 Upper Raystown Branch Juniata
 HUC 8 Raystown
 HUC 6 Lower Susquehanna
 HUC 4 Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.71	% Tree Cover in ARA of Upstream Network	24.39
% Natural Cover in Upstream Drainage Area	43.84	% Tree Cover in ARA of Downstream Network	13.74
% Forested in Upstream Drainage Area	43.38	% Herbaceous Cover in ARA of Upstream Network	67.16
% Agriculture in Upstream Drainage Area	49.25	% Herbaceous Cover in ARA of Downstream Network	75.18
% Natural Cover in ARA of Upstream Network	48.15	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	36.59	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	48.15	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	36.59	% Road Impervious in ARA of Downstream Network	0
% Agricultural Cover in ARA of Upstream Network	51.85	% Other Impervious in ARA of Upstream Network	0
% Agricultural Cover in ARA of Downstream Network	63.41	% Other Impervious in ARA of Downstream Network	0
% Impervious Surf in ARA of Upstream Network	0		
% Impervious Surf in ARA of Downstream Network	0		

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_05-083**

BARNETT DIKE NO 2

Network, System Type and Condition			
Functional Upstream Network (mi)	0.09	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	0.17	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.08	# Downstream Hydropower Dams	4
# Size Classes in Total Network	0	# Downstream Dams with Passage	5
# Upstream Network Size Classes	0	# of Downstream Barriers	8
NFHAP Cumulative Disturbance Index		High	
Dam is on Conserved Land		No	
% Conserved Land in 100m Buffer of Upstream Network		0	
% Conserved Land in 100m Buffer of Downstream Network		0	
Density of Crossings in Upstream Network Watershed (#/m2)		0	
Density of Crossings in Downstream Network Watershed (#/m2)		0	
Density of off-channel dams in Upstream Network Watershed (#/m2)		0	
Density of off-channel dams in Downstream Network Watershed (#/m2)		0	
Diadromous Fish			
Downstream Alewife	None Documented	Downstream Striped Bass	None Documented
Downstream Blueback	Historical	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	None Documented
One or More DS Anadromous Species	Historical	# Diadromous Sp Dnstrm (incl eel)	0
Resident Fish and Rare Species		Stream Health	
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	NO_SCORE
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	N/A
Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health	N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No	MD MBSS Combined IBI Stream Health	N/A
Native Fish Species Richness (HUC8)	29	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	0	PA IBI Stream Health	Fair
# Rare Mussel (HUC8)	1		
# Rare Crayfish (HUC8)	0		
Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No	Rare fish or mussel in upstream or downstream functional network	No

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf