

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_36-255**

MUDDY RUN RECREATION

Bay-wide Diadromous Tier	16
Bay-wide Resident Tier	6
Bay-wide Brook Trout Tier	N/A
NID ID	PA01562
State ID	36-255
River Name	Muddy Run
Dam Height (ft)	90
Dam Type	Earth
Latitude	39.8406
Longitude	-76.2831
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Muddy Run-Susquehanna River
HUC 10	Susquehanna River
HUC 8	Lower Susquehanna
HUC 6	Lower Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.57	% Tree Cover in ARA of Upstream Network	46.94
% Natural Cover in Upstream Drainage Area	42.1	% Tree Cover in ARA of Downstream Network	27.55
% Forested in Upstream Drainage Area	34.99	% Herbaceous Cover in ARA of Upstream Network	41.81
% Agriculture in Upstream Drainage Area	50.89	% Herbaceous Cover in ARA of Downstream Network	13.7
% Natural Cover in ARA of Upstream Network	56.64	% Barren Cover in ARA of Upstream Network	0.03
% Natural Cover in ARA of Downstream Network	93.44	% Barren Cover in ARA of Downstream Network	3.23
% Forest Cover in ARA of Upstream Network	41.47	% Road Impervious in ARA of Upstream Network	0.54
% Forest Cover in ARA of Downstream Network	25.86	% Road Impervious in ARA of Downstream Network	0.1
% Agricultural Cover in ARA of Upstream Network	38.63	% Other Impervious in ARA of Upstream Network	1.87
% Agricultural Cover in ARA of Downstream Network	4.08	% Other Impervious in ARA of Downstream Network	0.25
% Impervious Surf in ARA of Upstream Network	0.24		
% Impervious Surf in ARA of Downstream Network	0.6		

Metric descriptions can be found at:

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

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Network, System Type and Condition			
Functional Upstream Network (mi)	8.02	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	14.19	# Downsteam Natural Barriers	0
Absolute Gain (mi)	6.17	# Downstream Hydropower Dams	2
# Size Classes in Total Network	2	# Downstream Dams with Passage	1
# Upstream Network Size Classes	1	# of Downstream Barriers	2
NFHAP Cumulative Disturbance Index		Not Scored / Unavailable at this scale	
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)		0.88	
Density of Crossings in Downstream Network Watershed (#/m2)		0.58	
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	None Documented	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	None Docume	# 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	FAIR
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	Fair
Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health	Fair
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No	MD MBSS Combined IBI Stream Health	Fair
Native Fish Species Richness (HUC8)	53	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	2	PA IBI Stream Health	Good
# Rare Mussel (HUC8)	3		
# 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

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