Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12145** **REWASTICO POND**

Bay-wide Diadromous Tier	2
Bay-wide Resident Tier	10
Bay-wide Brook Trout Tier	N/A
NID ID	MD00086
State ID	NA006
River Name	Rewastico Creek
Dam Height (ft)	10
Dam Type	Earth
Latitude	38.4107
Longitude	-75.7537
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Rewastico Creek
HUC 10	Lower Nanticoke River
HUC 8	Nanticoke
HUC 6	Lower Chesapeake
HUC 4	Lower Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	1.57
% Natural Cover in Upstream Drainage Area	37.63
% Forested in Upstream Drainage Area	19.59
% Agriculture in Upstream Drainage Area	54.41
% Natural Cover in ARA of Upstream Network	40.11
% Natural Cover in ARA of Downstream Network	50.61
% Forest Cover in ARA of Upstream Network	20.27
% Forest Cover in ARA of Downstream Network	11.37
% Agricultral Cover in ARA of Upstream Network	49.67
% Agricultral Cover in ARA of Downstream Network	43.1
% Impervious Surf in ARA of Upstream Network	2.05
% Impervious Surf in ARA of Downstream Network	1.22

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	41.79
% Tree Cover in ARA of Downstream Network	43.34
% Herbaceaous Cover in ARA of Upstream Network	52.49
% Herbaceaous Cover in ARA of Downstream Network	49.7
% Barren Cover in ARA of Upstream Network	0.16
% Barren Cover in ARA of Downstream Network	0.22
% Road Impervious in ARA of Upstream Network	1.3
% Road Impervious in ARA of Downstream Network	0.98
% Other Impervious in ARA of Upstream Network	3.07
% Other Impervious in ARA of Downstream Network	1.52

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)	10.29	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1215.98	# Downsteam Natural Barriers	0
Absolute Gain (mi)	10.29	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Moderate
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	9.97
% Conserved Land in 100m Buffer of Downstream Network	31.2
Density of Crossings in Upstream Network Watershed (#/m2)	0.56
Density of Crossings in Downstream Network Watershed (#/m2)	0.61
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	Current	Downstream Striped Bass	None Documented
Downstream Blueback	Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Current	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Current
# Diadromous Species Downstream (incl eel)	5

Resident Fish

Barrier is in EBTJV BKT Catchment	No
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	46
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	Fair
MD MBSS Fish IBI Stream Health	Poor
MD MBSS Combined IBI Stream Health	Fair
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

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