Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12229** **RIAWALKIN POND**

Bay-wide Diadromous Tier	4
Bay-wide Resident Tier	17
Bay-wide Brook Trout Tier	N/A
NID ID	MD00213
State ID	12229
River Name	Rockawalking Creek
Dam Height (ft)	12
Dam Type	Earth
Latitude	38.3683
Longitude	-75.6745
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Shiles Creek-Wicomico River
HUC 10	Wicomico River
HUC 8	Tangier
HUC 6	Lower Chesapeake
HUC 4	Lower Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	2.62
% Natural Cover in Upstream Drainage Area	19.3
% Forested in Upstream Drainage Area	12.44
% Agriculture in Upstream Drainage Area	64.12
% Natural Cover in ARA of Upstream Network	24.29
% Natural Cover in ARA of Downstream Network	69.21
% Forest Cover in ARA of Upstream Network	14.4
% Forest Cover in ARA of Downstream Network	28.76
% Agricultral Cover in ARA of Upstream Network	65.86
% Agricultral Cover in ARA of Downstream Network	6.07
% Impervious Surf in ARA of Upstream Network	1.77
% Impervious Surf in ARA of Downstream Network	4.16

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	28.07
% Tree Cover in ARA of Downstream Network	61.85
% Herbaceaous Cover in ARA of Upstream Network	64.43
% Herbaceaous Cover in ARA of Downstream Network	17.39
% Barren Cover in ARA of Upstream Network	0.5
% Barren Cover in ARA of Downstream Network	0.01
% Road Impervious in ARA of Upstream Network	1.22
% Road Impervious in ARA of Downstream Network	2.96
% Other Impervious in ARA of Upstream Network	5
% Other Impervious in ARA of Downstream Network	5.07

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12229** **RIAWALKIN POND**

Network, System Type and Condition

Functional Upstream Network (mi)	4.21	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	5.15	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.94	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	1

NFHAP Cumulative Disturbance Index	High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	6.57
% Conserved Land in 100m Buffer of Downstream Network	0
Density of Crossings in Upstream Network Watershed (#/m2)	0.66
Density of Crossings in Downstream Network Watershed (#/m2)	0.74
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	Historical	Downstream Striped Bass	None Documented
Downstream Blueback	Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Current
# Diadromous Species Downstream (incl eel)	2

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)	31
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	0
# 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	Poor
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy