Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_05-077** **F PAUL REIGHARD**

Bay-wide Diadromous Tier	7
Bay-wide Resident Tier	4
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	05-077
River Name	Raystown Branch Juniata River
Dam Height (ft)	5
Dam Type	Concrete
Latitude	40.0204
Longitude	-78.5013
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Cumberland Valley Run-Raystow
HUC 10	Upper Raystown Branch Juniata
HUC 8	Raystown
HUC 6	Lower Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	1.26
% Natural Cover in Upstream Drainage Area	73.65
% Forested in Upstream Drainage Area	72.88
% Agriculture in Upstream Drainage Area	18.08
% Natural Cover in ARA of Upstream Network	63.39
% Natural Cover in ARA of Downstream Network	66.7
% Forest Cover in ARA of Upstream Network	63.01
% Forest Cover in ARA of Downstream Network	57.52
% Agricultral Cover in ARA of Upstream Network	21.09
% Agricultral Cover in ARA of Downstream Network	23.08
% Impervious Surf in ARA of Upstream Network	2.77
% Impervious Surf in ARA of Downstream Network	1.58

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	62.11
% Tree Cover in ARA of Downstream Network	58.94
% Herbaceaous Cover in ARA of Upstream Network	32.67
% Herbaceaous Cover in ARA of Downstream Network	29.57
% Barren Cover in ARA of Upstream Network	0.13
% Barren Cover in ARA of Downstream Network	0.25
% Road Impervious in ARA of Upstream Network	2.15
% Road Impervious in ARA of Downstream Network	1.14
% Other Impervious in ARA of Upstream Network	1.86
% Other Impervious in ARA of Downstream Network	1.41

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)	250.47	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1941.99	# Downsteam Natural Barriers	0
Absolute Gain (mi)	250.47	# Downstream Hydropower Dams	4
# Size Classes in Total Network	4	# Downstream Dams with Passage	5
# Upstream Network Size Classes	3	# of Downstream Barriers	6

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	4.46
% Conserved Land in 100m Buffer of Downstream Network	9.8
Density of Crossings in Upstream Network Watershed (#/m2)	1.91
Density of Crossings in Downstream Network Watershed (#/m2)	1.41
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	Historical	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	Historical	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	None Documented

Presence of 1 or More Downstream Anadromous Species	Historical
# Diadromous Species Downstream (incl eel)	0

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)	29
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

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

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