Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_21-007** **NEW CUMBERLAND**

Bay-wide Diadromous Tier	5
Bay-wide Resident Tier	12
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	21-007
River Name	Yellow Breeches Creek
Dam Height (ft)	6
Dam Type	Stone
Latitude	40.2241
Longitude	-76.861
Passage Facilities	None Documented
Passage Year	N/A
Size Class	3a: Medium Tributary River (200
HUC 12	Lower Yellow Breeches Creek
HUC 10	Yellow Breeches Creek
HUC 8	Lower Susquehanna-Swatara
HUC 6	Lower Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	5.18
% Natural Cover in Upstream Drainage Area	53.09
% Forested in Upstream Drainage Area	50.79
% Agriculture in Upstream Drainage Area	27.45
% Natural Cover in ARA of Upstream Network	23.68
% Natural Cover in ARA of Downstream Network	50.92
% Forest Cover in ARA of Upstream Network	21.32
% Forest Cover in ARA of Downstream Network	21.43
% Agricultral Cover in ARA of Upstream Network	18.56
% Agricultral Cover in ARA of Downstream Network	11.86
% Impervious Surf in ARA of Upstream Network	19.87
% Impervious Surf in ARA of Downstream Network	15.91

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	45.11
% Tree Cover in ARA of Downstream Network	36.88
% Herbaceaous Cover in ARA of Upstream Network	30.13
% Herbaceaous Cover in ARA of Downstream Network	20.37
% Barren Cover in ARA of Upstream Network	1.56
% Barren Cover in ARA of Downstream Network	0.36
% Road Impervious in ARA of Upstream Network	3.25
% Road Impervious in ARA of Downstream Network	1.82
% Other Impervious in ARA of Upstream Network	18.73
% Other Impervious in ARA of Downstream Network	15.55

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)	36.52	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	289.81	# Downsteam Natural Barriers	0
Absolute Gain (mi)	36.52	# Downstream Hydropower Dams	4
# Size Classes in Total Network	5	# Downstream Dams with Passage	4
# Upstream Network Size Classes	4	# of Downstream Barriers	4

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	1.39
% Conserved Land in 100m Buffer of Downstream Network	1.2
Density of Crossings in Upstream Network Watershed (#/m2)	1.84
Density of Crossings in Downstream Network Watershed (#/m2)	2.34
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	Potential Current	Downstream Striped Bass	None Documented
Downstream Blueback	Potential Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)	2

Resident Fish and Rare Species

Barrier is in EBTJV BKT Catchment	No
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	Yes
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	38
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	2
# Rare Crayfish (HUC8)	0
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

Stream Health

Chesapeake Bay Program Stream Health	ERY_POOR
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
Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	No

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