Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: PA_01-071 SHEPPARD

Diadromous Tier 15

Brook Trout Tier N/A

Resident Tier 14

NID ID PA00333 State ID 01-071

River Name

Dam Height (ft) 23

Dam Type Earth

Latitude 39.7638

Longitude -77.0166

Passage Facilities None Documented

Passage Year N/A

Size Class 1a: Headwater (0 - 3.861 sq mi)

HUC 12 Headwaters South Branch Cone

HUC 10 South Branch Conewago Creek

HUC 8 Lower Susquehanna
HUC 6 Lower Susquehanna

HUC 4 Susquehanna







	Land	cover	
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.31	% Tree Cover in ARA of Upstream Network	55.43
% Natural Cover in Upstream Drainage Area	36.22	% Tree Cover in ARA of Downstream Network	25.19
% Forested in Upstream Drainage Area	32.36	% Herbaceaous Cover in ARA of Upstream Network	40.88
% Agriculture in Upstream Drainage Area	59.58	% Herbaceaous Cover in ARA of Downstream Network	70.69
% Natural Cover in ARA of Upstream Network	48.97	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	21.21	% Barren Cover in ARA of Downstream Network	0.31
% Forest Cover in ARA of Upstream Network	37.39	% Road Impervious in ARA of Upstream Network	0.25
% Forest Cover in ARA of Downstream Network	10.56	% Road Impervious in ARA of Downstream Network	1.03
% Agricultral Cover in ARA of Upstream Network	46.51	% Other Impervious in ARA of Upstream Network	0.93
% Agricultral Cover in ARA of Downstream Network	72.76	% Other Impervious in ARA of Downstream Network	1.85
% Impervious Surf in ARA of Upstream Network	0.1		
% Impervious Surf in ARA of Downstream Network	0.81		



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Network	, System	Type and Condition
Functional Upstream Network (mi) 3.58		Upstream Size Class Gain (#) 0
Total Functional Network (mi) 27.63		# Downsteam Natural Barriers 0
Absolute Gain (mi) 3.58		# Downstream Hydropower Dams 3
# Size Classes in Total Network 2		# Downstream Dams with Passage 3
# Upstream Network Size Classes 1		# of Downstream Barriers 12
NFHAP Cumulative Disturbance Index		High
Dam is on Conserved Land		No
% Conserved Land in 100m Buffer of Upstream Net	twork	0
% Conserved Land in 100m Buffer of Downstream	Network	k 0
Density of Crossings in Upstream Network Watersh	hed (#/m	n2) 0.86
Density of Crossings in Downstream Network Water	ershed (#	#/m2) 1.2
Density of off-channel dams in Upstream Network	Watersh	hed (#/m2) 0
Density of off-channel dams in Downstream Netwo	ork Wate	ershed (#/m2) 0
Downstream Alewife Historical		Downstream Striped Bass None Documented
Downstream Blueback Historical		Downstream Atlantic Sturgeon None Documented
Downstream American Shad None Documented		Downstream Shortnose Sturgeon None Documented
Downstream Hickory Shad None Documented	I	Downstream American Eel Current
Presence of 1 or More Downstream Anadromous S	Species	Historical
# Diadromous Species Downstream (incl eel)		1
Resident Fish		Stream Health
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health POOR
	No	MD MBSS Benthic IBI Stream Health N/A
Barrier is in Modeled BKT Catchment (DeWeber)		
Barrier is in Modeled BKT Catchment (DeWeber) Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health N/A
·		MD MBSS Fish IBI Stream Health N/A MD MBSS Combined IBI Stream Health N/A
Barrier Blocks an EBTJV Catchment		· ·
Barrier Blocks an EBTJV Catchment Barrier Blocks a Modeled BKT Catchment (DeWebe	er) No	MD MBSS Combined IBI Stream Health N/A
Barrier Blocks an EBTJV Catchment Barrier Blocks a Modeled BKT Catchment (DeWebe Native Fish Species Richness (HUC8)	er) No 53	MD MBSS Combined IBI Stream Health N/A VA INSTAR mIBI Stream Health N/A

