## **Chesapeake Fish Passage Prioritization - Dam Fact Sheet**

CFPPP Unique ID: PA\_54-001 LOFTY RESERVOIR

Bay-wide Diadromous Tier 12
Bay-wide Resident Tier 7

Bay-wide Brook Trout Tier 14

NID ID PA00681 State ID 54-001

River Name

Dam Height (ft) 30

Dam Type Earth
Latitude 40.872

Longitude -76.0441

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Messers Run-Catawissa Creek

HUC 10 Catawissa Creek

HUC 8 Upper Susquehanna-Lackawann

HUC 6 Upper Susquehanna

HUC 4 Susquehanna







	Land	cover	
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.83	% Tree Cover in ARA of Upstream Network	91.83
% Natural Cover in Upstream Drainage Area	90.59	% Tree Cover in ARA of Downstream Network	93.54
% Forested in Upstream Drainage Area	87.36	% Herbaceaous Cover in ARA of Upstream Network	1.51
% Agriculture in Upstream Drainage Area	0	% Herbaceaous Cover in ARA of Downstream Network	2.46
% Natural Cover in ARA of Upstream Network	99.34	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	93.37	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	91.72	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	87.21	% Road Impervious in ARA of Downstream Network	0.08
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0
% Agricultral Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	0.1
% Impervious Surf in ARA of Upstream Network	0		
% Impervious Surf in ARA of Downstream Network	0.1		



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	Network, S	System	Type and Cond	lition		
Functional Upstream Network	l Upstream Network (mi) 1.57		Upstream Size Class Gain (#)			0
Total Functional Network (mi)	9.21		# Dow	nsteam Natural Barr	ers	0
Absolute Gain (mi)	1.57		# Dow	nstream Hydropowe	r Dams	4
# Size Classes in Total Networ	k 1		# Dow	nstream Dams with	Passage	6
# Upstream Network Size Clas	sses 1		# of Do	ownstream Barriers		9
NFHAP Cumulative Disturband	ce Index			Not Scored / Unav	ailable at th	nis scale
Dam is on Conserved Land				Yes		
% Conserved Land in 100m Buffer of Upstream Network				33.06		
% Conserved Land in 100m Bu	ıffer of Downstream Ne	etwork		62.12		
Density of Crossings in Upstream Network Watershed (#/m			2)	0		
Density of Crossings in Downs	tream Network Waters	shed (#	:/m2)	0.17		
Density of off-channel dams in	n Upstream Network W	atersh	ed (#/m2)	0		
Density of off-channel dams in	n Downstream Network	k Wate	rshed (#/m2)	0		
		Die due	mous Fish			
		Diadic	illous Fish			
Downstroam Alowifo	None Decumented		Downstroam	Stripad Pacc	None Dec	umontoc
Downstream Alewife	None Documented		Downstream S		None Doc	
Downstream Alewife Downstream Blueback	None Documented  None Documented		Downstream A	Atlantic Sturgeon	None Doc	
			Downstream A			umented
Downstream Blueback	None Documented		Downstream A	Atlantic Sturgeon Shortnose Sturgeon	None Doc	umented
Downstream Blueback  Downstream American Shad	None Documented None Documented None Documented	ecies	Downstream S	Atlantic Sturgeon Shortnose Sturgeon American Eel	None Doc	umented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad	None Documented None Documented None Documented Stream Anadromous Spe	ecies	Downstream S  Downstream S	Atlantic Sturgeon Shortnose Sturgeon American Eel	None Doc	umented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs	None Documented None Documented None Documented stream Anadromous Spettream (incl eel)	ecies	Downstream S Downstream S None Docume	Atlantic Sturgeon Shortnose Sturgeon American Eel	None Doc None Doc Current	umented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside	None Documented None Documented None Documented Stream Anadromous Spetream (incl eel)		Downstream S Downstream S None Docume 1	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea	None Doc None Doc Current m Health	umented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn	None Documented None Documented None Documented Stream Anadromous Spetream (incl eel) ent Fish ment	Yes	Downstream & Downstream & None Docume  1  Chesape	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea	None Doo None Doo Current m Health	umented umented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier is in Modeled BKT Catch	None Documented None Documented None Documented Stream Anadromous Spetream (incl eel) ent Fish ment chment (DeWeber)	Yes No	Downstream & Downstream & None Docume 1  Chesape MD MBS	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea Strea Strea Strea Stream SS Benthic IBI Stream	None Doo None Doo Current m Health ream Health	umented tumented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier Blocks an EBTJV Catch	None Documented None Documented None Documented Stream Anadromous Spetream (incl eel) ent Fish ment chment (DeWeber)	Yes No No	Downstream & Downstream & None Docume 1  Chesape MD MBS MD MBS	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea eake Bay Program Stream SS Benthic IBI Stream He	None Doo None Doo Current m Health ream Health i Health alth	umented tumented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier is in Modeled BKT Catch	None Documented None Documented None Documented Stream Anadromous Spetream (incl eel) ent Fish ment chment (DeWeber)	Yes No No	Downstream & Downstream & None Docume 1  Chesape MD MBS MD MBS	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea Strea Strea Strea Stream SS Benthic IBI Stream	None Doo None Doo Current m Health ream Health i Health alth	umented tumented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier Blocks an EBTJV Catch	None Documented None Documented None Documented Stream Anadromous Spetream (incl eel) ent Fish ment chment (DeWeber) ment Catchment (DeWeber)	Yes No No	Downstream A Downstream A None Docume  1 Chesape MD MBS MD MBS MD MBS	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea eake Bay Program Stream SS Benthic IBI Stream He	None Doo None Doo Current m Health ream Health alth alth	umented tumented N/A N/A
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier is in Modeled BKT Catch  Barrier Blocks an EBTJV Catch  Barrier Blocks a Modeled BKT	None Documented None Documented None Documented Stream Anadromous Spetream (incl eel) ent Fish ment chment (DeWeber) ment Catchment (DeWeber)	Yes No No	Downstream A Downstream A None Docume  1 Chesape MD MBS MD MBS VA INSTA	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea Strea Strea Stream SS Benthic IBI Stream SS Fish IBI Stream He SS Combined IBI Stre	None Doo None Doo Current m Health ream Health alth alth	rumented sumented sum
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier is in Modeled BKT Catch  Barrier Blocks an EBTJV Catch  Barrier Blocks a Modeled BKT  Native Fish Species Richness (	None Documented None Documented None Documented Stream Anadromous Spetream (incl eel) ent Fish ment chment (DeWeber) ment Catchment (DeWeber)	Yes No No No 37	Downstream A Downstream A None Docume  1 Chesape MD MBS MD MBS VA INSTA	Atlantic Sturgeon Shortnose Sturgeon American Eel Stream Stream SS Benthic IBI Stream SS Fish IBI Stream He SS Combined IBI Stre AR mIBI Stream Heal	None Doo None Doo Current m Health ream Health alth alth	rumented sumented sum

