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

CFPPP Unique ID: MD\_MA002

Diadromous Tier 6

Brook Trout Tier N/A

Resident Tier 17

NID ID

State ID MA002

River Name Cattail Creek

Dam Height (ft) 3

Dam Type Unspecified Type

Latitude 39.0833

Longitude -76.5628

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Cattail Creek-Magothy River

HUC 10 Magothy River-Chesapeake Bay

HUC 8 Severn

HUC 6 Upper Chesapeake

HUC 4 Upper Chesapeake







Landcover									
NLCD (2011)		Chesapeake Conservancy (2016)							
% Impervious Surface in Upstream Drainage Area	19.6	% Tree Cover in ARA of Upstream Network	77.34						
% Natural Cover in Upstream Drainage Area	26.72	% Tree Cover in ARA of Downstream Network	70.79						
% Forested in Upstream Drainage Area	20.73	% Herbaceaous Cover in ARA of Upstream Network	9.65						
% Agriculture in Upstream Drainage Area	0	% Herbaceaous Cover in ARA of Downstream Network	10.94						
% Natural Cover in ARA of Upstream Network	41.26	% Barren Cover in ARA of Upstream Network	0						
% Natural Cover in ARA of Downstream Network	57.53	% Barren Cover in ARA of Downstream Network	0						
% Forest Cover in ARA of Upstream Network	24.96	% Road Impervious in ARA of Upstream Network	4.57						
% Forest Cover in ARA of Downstream Network	31.23	% Road Impervious in ARA of Downstream Network	2.36						
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	8.45						
% Agricultral Cover in ARA of Downstream Network	0.87	% Other Impervious in ARA of Downstream Network	6.48						
% Impervious Surf in ARA of Upstream Network	15.98								
% Impervious Surf in ARA of Downstream Network	8.17								



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Functional Upstream Network (mi)  Functional Upstream Network (mi)  Total Functional Network Network (mi)  Total Downstream Dams with Passage  ## Downstream Barriers  ## Downstream Network Size Classes  ## Downstream Network Size Classes  ## Opomstream Network Size Classes  ## Opomstream Network Size Classes  ## Opomstream Network Size Classes  ## No  ## Downstream Network Size Classes  ## Downstream Network Size Classes  ## Downstream Network Size Classes  ## Downstream Network Watershed (#/m2)  ## Diadromous Fish  ## Downstream Alewife  ## Downstream Alewife  ## Downstream Allemife  ## Downstream Alle			_									
Total Functional Network (mi)  74.8  Absolute Gain (mi)  1.99  # Downstream Hydropower Dams # Size Classes in Total Network  2  # Downstream Dams with Passage # Upstream Network Size Classes 1  # of Downstream Barriers  NFHAP Cumulative Disturbance Index  Very High  No  % Conserved Land in 100m Buffer of Upstream Network  Conserved Land in 100m Buffer of Downstream Network  A.02  Density of Crossings in Upstream Network Watershed (#/m2)  Doensity of Off-channel dams in Upstream Network Watershed (#/m2)  Doensity of Off-channel dams in Downstream Network Watershed (#/m2)  Downstream Alewife  Current  Downstream Striped Bass  None Docu  Downstream Alewife  Current  Downstream Shortnose Sturgeon  None Docu  Downstream Hickory Shad  None Documented  Downstream American Eel  Current  Presence of 1 or More Downstream Anadromous Species  Current  # Diadromous Species Downstream (incl eel)  3  Resident Fish  Stream Health  Barrier is in EBTJV BKT Catchment  No  Chesapeake Bay Program Stream Health  Barrier is in Modeled BKT Catchment (DeWeber)  No  MD MBSS Benthic IBI Stream Health  Barrier Blocks a Modeled BKT Catchment (DeWeber)  No  MD MBSS Fish IBI Stream Health  Notine Fish Stream Health	e and	System	(	Condi	ition							
Absolute Gain (mi)  # Size Classes in Total Network  # Upstream Network Size Classes  # Opomostream Barriers  No  # Conserved Land in 100m Buffer of Upstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Conserved Land in 100m Buffer of Downstream Network  # Downstream Network Watershed (#/m2)  # Downstream Alewife  Current  Downstream Striped Bass    None Documented   Downstream Striped Bass   None Documented	l		J۴	pstrea	am Si	ize Cl	lass (	Gain (	#)			0
# Size Classes in Total Network 2 # Downstream Dams with Passage # Upstream Network Size Classes 1 # of Downstream Barriers NFHAP Cumulative Disturbance Index Very High Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 4.02 Density of Crossings in Upstream Network Watershed (#/m2) 1.77 Density of Crossings in Downstream Network Watershed (#/m2) 0.68 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Downstream Alewife Current Downstream Striped Bass None Docu Downstream American Shad None Documented Downstream Shortnose Sturgeon None Docu Downstream Hickory Shad None Documented Downstream American Eel Current  # Downstream Hickory Shad None Documented Downstream American Eel Current  # Diadromous Species Downstream (incl eel) 3  Resident Fish Barrier is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health Barrier is in Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health Barrier Blocks an Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health Barrier Fish (HUC8) 1 PA IBI Stream Health  # Rare Fish (HUC8) 1 PA IBI Stream Health # Rare Fish (HUC8) 1 PA IBI Stream Health # Rare Fish (HUC8) 1 PA IBI Stream Health	‡		: [	Down	nsteai	m Na	atura	l Barr	riers	S		0
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NFHAP Cumulative Disturbance Index  Dam is on Conserved Land  No  Conserved Land in 100m Buffer of Upstream Network  Conserved Land in 100m Buffer of Downstream Network  Loursity of Crossings in Upstream Network Watershed (#/m2)  Density of Crossings in Downstream Network Watershed (#/m2)  Density of off-channel dams in Upstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Downstream Alewife  Current  Downstream Striped Bass  None Docu  Downstream Atlantic Sturgeon  None Docu  Downstream American Shad  None Documented  Downstream American Eel  Current  Presence of 1 or More Downstream Anadromous Species  # Diadromous Species Downstream (incl eel)  Resident Fish  Barrier is in EBTJV BKT Catchment  No  Resident Fish  Barrier is in Modeled BKT Catchment (DeWeber)  No  MD MBSS Benthic IBI Stream Health  Barrier Blocks an EBTJV Catchment  No  MD MBSS Fish IBI Stream Health  MD MBSS Combined IBI Stream Health  Native Fish Species Richness (HUC8)  1 PA IBI Stream Health	#		:	Down	nstrea	am D	ams	with	Pas	sage		0
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# Rare Mussel (HTIC8)	P/	1	. [	IBI Str	ream	Неа	lth					N/A
# Nate (Masser (Moed)		0										
# Rare Crayfish (HUC8) 0		0										

