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

CFPPP Unique ID:	VA_856		CUSTIS DAM		
Bay-wide Diadron	nous Tier	1			
Bay-wide Residen	t Tier	1			
Bay-wide Brook T	rout Tier	N/A			
NID ID	VA10102				
State ID	856				
River Name	Mill Creek				
Dam Height (ft)	12				
Dam Type	Gravity				
Latitude	37.609				
Longitude	-76.8703				
Passage Facilities	None Doci	ument	ed		
Passage Year	N/A				
Size Class	1b: Creek (3.861 - 38.61 sq mi)				
HUC 12	Heartquake Creek-Mattaponi Ri				
HUC 10	Garnetts Creek-Mattaponi River				
HUC 8	Mattaponi	İ			
HUC 6	Lower Che	sapea	ke		

Lower Chesapeake







Landcover								
NLCD (2011)		Chesapeake Conservancy (2016)						
% Impervious Surface in Upstream Drainage Area	0.25	% Tree Cover in ARA of Upstream Network	83.12					
% Natural Cover in Upstream Drainage Area	72.21	% Tree Cover in ARA of Downstream Network	81.81					
% Forested in Upstream Drainage Area	51.42	% Herbaceaous Cover in ARA of Upstream Network	10.48					
% Agriculture in Upstream Drainage Area	23.91	% Herbaceaous Cover in ARA of Downstream Network	10.66					
% Natural Cover in ARA of Upstream Network	88.19	% Barren Cover in ARA of Upstream Network	0.07					
% Natural Cover in ARA of Downstream Network	86.69	% Barren Cover in ARA of Downstream Network	0.32					
% Forest Cover in ARA of Upstream Network	51.93	% Road Impervious in ARA of Upstream Network	0.23					
% Forest Cover in ARA of Downstream Network	38.6	% Road Impervious in ARA of Downstream Network	0.49					
% Agricultral Cover in ARA of Upstream Network	10.39	% Other Impervious in ARA of Upstream Network	0.17					
% Agricultral Cover in ARA of Downstream Network	9.76	% Other Impervious in ARA of Downstream Network	0.52					
% Impervious Surf in ARA of Upstream Network	0.1							
% Impervious Surf in ARA of Downstream Network	0.44							



HUC 4

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

CFPPP Unique ID: VA\_856 CUSTIS DAM

Absolute Gain (mi) 17.15 # Downstream Hydropower Dams 0 # Size Classes in Total Network 4 # Downstream Dams with Passage 0 # Upstream Network Size Classes 2 # of Downstream Barriers 0 NFHAP Cumulative Disturbance Index Not Scored / Unavailable at this scale Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 33.04 % Conserved Land in 100m Buffer of Downstream Network 6.56 Density of Crossings in Upstream Network Watershed (#/m2) 0.28 Density of Crossings in Upstream Network Watershed (#/m2) 0.64 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 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 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 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 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 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 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 D		Network, Systen	m Type	and Condition		
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Dam is on Conserved Land  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 Watershed (#/m2) 0.64  Density of Crossings in Downstream Network Watershed (#/m2) 0  Diadromous Fish  Downstream Alewife Current Downstream Striped Bass None Documented Downstream Atlantic Sturgeon None Documented Downstream American Shad None Documented Downstream Shortnose Sturgeon None Documented Downstream Hickory Shad None Documented Downstream American Eel Current  Presence of 1 or More Downstream Anadromous Species # Diadromous Species Downstream (incl eel) 3  Resident Fish Barrier is in EBTJV BKT Catchment No Chesapeake Bay Program Stream Health N/A Barrier Blocks an EBTJV Catchment No MD MBSS Benthic IBI Stream Health N/A Barrier Blocks an EBTJV Catchment No MD MBSS Fish IBI Stream Health N/A Barrier Blocks an Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Native Fish Species Richness (HUC8) 4  PA IBI Stream Health N/A # Rare Fish (HUC8) 4	# Upstream Network Size Clas	ses 2		# of Downstream Barriers		0
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Density of Crossings in Downstream Network Watershed (#/m2) 0.64  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 Current Downstream Striped Bass None Documented  Downstream Blueback Current Downstream Atlantic Sturgeon None Documented  Downstream American Shad None Documented Downstream Shortnose Sturgeon None Documented  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 FAIR  Barrier is in EBTJV BKT Catchment No Chesapeake Bay Program Stream Health N/A  Barrier Blocks an EBTJV Catchment No MD MBSS Benthic IBI Stream Health N/A  Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Fish IBI Stream Health N/A  Native Fish Species Richness (HUC8) 54 VA INSTAR mIBI Stream Health High  # Rare Fish (HUC8) 2 PA IBI Stream Health N/A  # Rare Mussel (HUC8) 4	% Conserved Land in 100m Bu	iffer of Downstream Networ	rk	6.56		
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# Diadromous Species Downstream (incl eel)  Resident Fish  Barrier is in EBTJV BKT Catchment  Barrier is in Modeled BKT Catchment (DeWeber)  Barrier Blocks an EBTJV Catchment  No  MD MBSS Benthic IBI Stream Health  N/A  MD MBSS Fish IBI Stream Health  N/A  MD MBSS Combined IBI Stream Health  N/A  MD MBSS Combined IBI Stream Health  N/A  MD MBSS Combined IBI Stream Health  N/A  NO	Downstream Hickory Shad	None Documented	Dow	Downstream American Eel Current		
Resident Fish  Barrier is in EBTJV BKT Catchment  No Chesapeake Bay Program Stream Health  FAIR  Barrier is in Modeled BKT Catchment (DeWeber)  No MD MBSS Benthic IBI Stream Health  N/A  Barrier Blocks an EBTJV Catchment  No MD MBSS Fish IBI Stream Health  N/A  Barrier Blocks a Modeled BKT Catchment (DeWeber)  No MD MBSS Combined IBI Stream Health  N/A  Native Fish Species Richness (HUC8)  FAIR  N/A  NATIVE FISH Species Richness (HUC8)  BARRIE FISH (HUC8)  ABARRIE FISH (HUC8)  ABARRIE FISH (HUC8)  ABARRIE FISH (HUC8)  ABARRIE FISH (HUC8)	Presence of 1 or More Downs	tream Anadromous Species	Curr	ent		
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Native Fish Species Richness (HUC8)  # Rare Fish (HUC8)  # Rare Mussel (HUC8)  54  VA INSTAR mIBI Stream Health  High  N/A  4	Barrier Blocks an EBTJV Catchment No			MD MBSS Fish IBI Stream Health		N/A
# Rare Fish (HUC8)  2 PA IBI Stream Health N/A  # Rare Mussel (HUC8)  4	Barrier Blocks a Modeled BKT Catchment (DeWeber) No			MD MBSS Combined IBI Stream Health		N/A
# Rare Mussel (HUC8) 4	Native Fish Species Richness (HUC8) 54			VA INSTAR mIBI Stream Health		High
	# Rare Fish (HUC8)			PA IBI Stream Health		N/A
# Rare Crayfish (HUC8) 0						
	# Rare Crayfish (HUC8)	0				

