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

CFPPP Unique ID: PA\_01-085 BAUGHER

Diadromous Tier 20

Brook Trout Tier N/A

Resident Tier 17

NID ID PA01506 State ID 01-085

River Name

Dam Height (ft) 18

Dam Type Earth

Latitude 39.9808

Longitude -77.1767

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Mud Run-Bermudian Creek

HUC 10 Bermudian Creek

HUC 8 Lower Susquehanna

HUC 6 Lower Susquehanna

HUC 4 Susquehanna







Landcover								
NLCD (2011)		Chesapeake Conservancy (2016)						
% Impervious Surface in Upstream Drainage Area	0.95	% Tree Cover in ARA of Upstream Network	0.08					
% Natural Cover in Upstream Drainage Area	15.2	% Tree Cover in ARA of Downstream Network	52.76					
% Forested in Upstream Drainage Area	4.63	% Herbaceaous Cover in ARA of Upstream Network	99.92					
% Agriculture in Upstream Drainage Area	79.74	% Herbaceaous Cover in ARA of Downstream Network	42.71					
% Natural Cover in ARA of Upstream Network	0	% Barren Cover in ARA of Upstream Network	0					
% Natural Cover in ARA of Downstream Network	50.36	% Barren Cover in ARA of Downstream Network	0.11					
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	0					
% Forest Cover in ARA of Downstream Network	32.7	% Road Impervious in ARA of Downstream Network	1.14					
% Agricultral Cover in ARA of Upstream Network	100	% Other Impervious in ARA of Upstream Network	0					
% Agricultral Cover in ARA of Downstream Network 37.57		% Other Impervious in ARA of Downstream Network						
% Impervious Surf in ARA of Upstream Network	0							
% Impervious Surf in ARA of Downstream Network	1.63							



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### Downstream Natural Barriers 0  #### Downstream Natural Barriers 0  #### Downstream Natural Barriers 3  ###################################								
### Downstream Natural Barriers 0  #### Downstream Natural Barriers 0  #### Downstream Natural Barriers 3  ###################################		Network, Sy	/stem	Type and Con	dition			
Absolute Gain (mi) 0.05 # Downstream Hydropower Dams 3 # Size Classes in Total Network 4 # Downstream Dams with Passage 3 # Upstream Network Size Classes 0 # of Downstream Barriers 4 NFHAP Cumulative Disturbance Index High No % Conserved Land in 100m Buffer of Upstream Network 0 No % Conserved Land in 100m Buffer of Downstream Network 2.69 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Upstream Network Watershed (#/m2) 1.23 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0.01  Diadromous Fish  Downstream Alewife None Documented Downstream Striped Bass None Documented Downstream Hickory Shad None Documented Downstream Antantic Sturgeon None Documented Downstream American Shad None Documented Downstream American Eel Current  Resident Fish Stream Health POOR Barrier is in EBTJV BKT Catchment (incl eel) 1  Resident Fish Stream Health N/A MD MBSS Benthic IBI Stream Health N/A MD MBSS Fish IBI Stream Health N/A MD MBSS Fish IBI Stream Health N/A MD MBSS Combined IBI Stream Health N/A Native Fish Species Richness (HUC8) 2 PA IBI Stream Health N/A WA INSTAR mIBI Stream Health N/A WA Rare Fish (HUC8) 3	Functional Upstream Network (mi) 0.05		Upstream Size Class Gain (#)			0		
# Size Classes in Total Network 4 # Downstream Dams with Passage 3 # Upstream Network Size Classes 0 # of Downstream Barriers 4 NFHAP Cumulative Disturbance Index High Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 2.69 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 1.23 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0.01  Diadromous Fish Downstream Alewife None Documented Downstream Striped Bass None Documented Downstream American Shad None Documented Downstream Atlantic Sturgeon None Documented Downstream American Shad None Documented Downstream American Eel Current  Presence of 1 or More Downstream Anadromous Species None Docume # Diadromous Species Downstream (incl eel) 1  Resident Fish Stream Health POOR Barrier is in BEDIV BKT 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 Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A	Total Functional Network (mi) 323.89			# Downsteam Natural Barriers			0	
# Upstream Network Size Classes 0  # of Downstream Barriers 4 NFHAP Cumulative Disturbance Index Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0, % Conserved Land in 100m Buffer of Downstream Network 2.69 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 1.23 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0.01    Diadromous Fish	Absolute Gain (mi)	0.05		# Dow	nstream Hydropowe	r Dams	3	
NFHAP Cumulative Disturbance Index Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network % 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 2.69 Density of Crossings in Downstream Network Watershed (#/m2) 1.23 Density of Off-channel dams in Downstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 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 Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Densi	# Size Classes in Total Networ	k 4		# Dow	nstream Dams with I	Passage	3	
Dam is on Conserved Land  No % Conserved Land in 100m Buffer of Upstream Network % Conserved Land in 100m Buffer of Downstream Network % Conserved Land Buffer of Downstream Network # Current  None Documented Downstream Striped Bass None Documented Downstream Strip	# Upstream Network Size Clas	ses 0	0		# of Downstream Barriers		4	
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Diadromous Fish  Downstream Alewife None Documented Downstream Striped Bass None Documented Downstream Blueback 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 None Docume # Diadromous Species Downstream (incl eel)  Resident Fish Stream Health Stream Health POOR MD MBSS Benthic IBI Stream Health N/A Barrier Blocks an EBTJV Catchment Yes 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)  # Rare Fish (HUC8)  # Rare Mussel (HUC8)  3  None Documented Downstream Atlantic Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream American Eel Current  # None Docume  **Current**  **One Docume  **Current**  **One Docume  **Outhories Sturgeon None Documented Downstream Atlantic Sturgeon None Documented Downstream Atlantic Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream Atlantic Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream Atlantic Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream Atlantic Sturgeon None Documented Downstream Atlantic Sturgeon None Documented Downstream Atlantic Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream Atlantic Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream Shortnose Sturgeon None Documented Downstream Atlantic Sturgeon	Density of off-channel dams in	າ Upstream Network Wa	atersh	red (#/m2)	0			
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Downstream Hickory Shad None Documented Downstream American Eel Current  Presence of 1 or More Downstream Anadromous Species None Docume  # Diadromous Species Downstream (incl eel)  Resident Fish Stream Health  Barrier is in EBTJV BKT Catchment No Chesapeake Bay Program Stream Health POOR  Barrier is in Modeled BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health N/A  Barrier Blocks an EBTJV Catchment Yes 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) 53 VA INSTAR mIBI Stream Health N/A  # Rare Fish (HUC8) 2 PA IBI Stream Health Poor  # Rare Mussel (HUC8) 3	Downstream Blueback	None Documented		Downstream Atlantic Sturgeon N		None Doc	cumented	
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Resident Fish  Resident Fish  Barrier is in EBTJV BKT Catchment  Barrier is in Modeled BKT Catchment (DeWeber)  Barrier Blocks an EBTJV Catchment  Barrier Blocks an Modeled BKT Catchment (DeWeber)  Barrier Blocks a Modeled BKT Catchment (DeWeber)  Barrier Blocks an EBTJV Catchment  Barrier	Downstream Hickory Shad	None Documented	ne Documented		Downstream American Eel			
Resident Fish  Resident Fish  Barrier is in EBTJV BKT Catchment  Barrier is in Modeled BKT Catchment (DeWeber)  Barrier Blocks an EBTJV Catchment  Barrier Blocks an Modeled BKT Catchment (DeWeber)  Barrier Blocks a Modeled BKT Catchment (DeWeber)  Barrier Blocks an EBTJV Catchment  Barrier	Presence of 1 or More Downs	tream Anadromous Spe	cies	None Docum	e			
Resident Fish  Barrier is in EBTJV BKT Catchment  No  Chesapeake Bay Program Stream Health  POOR  Barrier is in Modeled BKT Catchment (DeWeber)  No  MD MBSS Benthic IBI Stream Health  N/A  Barrier Blocks an EBTJV Catchment  Yes  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)  Fare Fish (HUC8)  PA IBI Stream Health  Poor  # Rare Mussel (HUC8)  3		·		1				
Barrier is in EBTJV BKT Catchment  Barrier is in Modeled BKT Catchment (DeWeber)  Barrier Blocks an EBTJV Catchment  Yes  MD MBSS Benthic IBI Stream Health  N/A  MD MBSS Fish IBI Stream Health  N/A  MD MBSS Fish IBI Stream Health  N/A  MD MBSS Combined IBI Stream Health  N/A  NA  NA  Native Fish Species Richness (HUC8)  # Rare Fish (HUC8)  A IBI Stream Health  Poor  # Rare Mussel (HUC8)  3	" Diddiomods species bowns			-				
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Native Fish Species Richness (HUC8)  # Rare Fish (HUC8)  # Rare Mussel (HUC8)  53  VA INSTAR mIBI Stream Health  Poor  # Rare Mussel (HUC8)  3	Barrier Blocks an EBTJV Catchment Ye		Yes	MD MB	MD MBSS Fish IBI Stream Health		N/A	
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	# Rare Fish (HUC8)		2	PA IBI S	tream Health		Poor	
# Rare Crayfish (HUC8) 0	# Rare Mussel (HUC8)		3					
	# Rare Crayfish (HUC8)		0					

