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

CFPPP Unique ID: VA\_70 ROSEGILL UPPER DAM

Diadromous Tier 7

Brook Trout Tier N/A

Resident Tier 8

NID ID VA11906

State ID 70

River Name

Dam Height (ft) 9

Dam Type Gravity
Latitude 37.6276

Longitude -76.5602

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Lagrange Creek-Rappahannock

HUC 10 Lancaster Creek-Rappahannock

HUC 8 Lower Rappahannock

HUC 6 Lower Chesapeake

HUC 4 Lower Chesapeake







Landcover						
NLCD (2011)		Chesapeake Conservancy (2016)				
% Impervious Surface in Upstream Drainage Area	0.86	% Tree Cover in ARA of Upstream Network	84.34			
% Natural Cover in Upstream Drainage Area	72.52	% Tree Cover in ARA of Downstream Network	54.16			
% Forested in Upstream Drainage Area	58.36	% Herbaceaous Cover in ARA of Upstream Network	7.23			
% Agriculture in Upstream Drainage Area	21.21	% Herbaceaous Cover in ARA of Downstream Network	24.48			
% Natural Cover in ARA of Upstream Network	89.69	% Barren Cover in ARA of Upstream Network	0			
% Natural Cover in ARA of Downstream Network	71.88	% Barren Cover in ARA of Downstream Network	0			
% Forest Cover in ARA of Upstream Network	63.65	% Road Impervious in ARA of Upstream Network	0			
% Forest Cover in ARA of Downstream Network	33.42	% Road Impervious in ARA of Downstream Network	0.03			
% Agricultral Cover in ARA of Upstream Network	9.42	% Other Impervious in ARA of Upstream Network	0.33			
% Agricultral Cover in ARA of Downstream Network	28.12	% Other Impervious in ARA of Downstream Network	0			
% Impervious Surf in ARA of Upstream Network	0.03					
% Impervious Surf in ARA of Downstream Network	0					



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

CFPPP Unique ID: VA\_70 ROSEGILL UPPER DAM

Total Functional Network (mi)  2.94  Absolute Gain (mi)  0.46  # Downstream Hydropower Dams  0  # Size Classes in Total Network  1  # Downstream Dams with Passage  0  # Upstream Network Size Classes  1  # of Downstream Barriers  1  No  Scored / Unavailable at this scal  Dam is on Conserved Land  No  Conserved Land in 100m Buffer of Upstream Network  Conserved Land in 100m Buffer of Downstream Network						
Total Functional Network (mi)  2.94  Absolute Gain (mi)  0.46  # Downstream Hydropower Dams  0  # Size Classes in Total Network  1  # Downstream Dams with Passage  0  # Upstream Network Size Classes  1  # of Downstream Barriers  1  No  Scored / Unavailable at this scal  Dam is on Conserved Land  No  Conserved Land in 100m Buffer of Upstream Network  Conserved Land in 100m Buffer of Downstream Network		Network, Syste	em Type	e and Condition		
Absolute Gain (mi)  O.46  # Downstream Hydropower Dams  O# Size Classes in Total Network  1 # Downstream Barriers  1 NFHAP Cumulative Disturbance Index  Dam is on Conserved Land  **Conserved Land in 100m Buffer of Upstream Network  Density 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)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Downstream Alewife  Historical  Downstream Striped Bass  None Documen  Downstream American Shad  None Documented  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  Chesapeake Bay Program Stream Health  Presence of Barrier is in Modeled BKT Catchment (DeWeber)  No  MD MBSS Benthic 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  Native Fish Species Richness (HUC8)  Sa VA INSTAR mIBI Stream Health  High  # Rare Fish (HUC8)  2 PA IBI Stream Health  N/A  # Rare Mussel (HUC8)	Functional Upstream Network (mi) 2.48			Upstream Size Class Gain (#)		1
# Size Classes in Total Network 1 # Downstream Dams with Passage 0 # Upstream Network Size Classes 1 # of Downstream Barriers 1  NFHAP Cumulative Disturbance Index Not Scored / Unavailable at this scal Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 0 Conserved Land in 100m Buffer of Downstream Network 0 Conserved Land in 100m Buffer of Downstream Network 0 Conserved Land in 100m Buffer of Downstream Network 0 Conserved Land in 100m Buffer of Downstream Network 0 Conserved Land in 100m Buffer of Downstream Network 0 Conserved Land in 100m Buffer of Downstream Network 0 Conserved Land in 100m Buffer of Downstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffer of Upstream Network 0 Conserved Land in 100m Buffe	Total Functional Network (mi) 2.94			# Downsteam Natural Barriers		0
# Upstream Network Size Classes 1 # of Downstream Barriers 1 NFHAP Cumulative Disturbance Index Not Scored / Unavailable at this scal Dam is on Conserved Land	Absolute Gain (mi) 0.46			# Downstream Hydropower Dams		
Not Scored / Unavailable at this scal Dam is on Conserved Land  Mo % 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 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 % 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 Striped Bass None Documen Downstream Atlantic Sturgeon None Documen Downstre	# Size Classes in Total Network 1			# Downstream Dams with Passage		
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% Conserved Land in 100m Buffer of Downstream Network  Density 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 Upstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Downstream Alewife  Historical  Downstream Striped Bass  None Documen  Downstream Allantic Sturgeon  None Documen  Downstream American Shad  None Documented  Downstream American Eel  Current  Presence of 1 or More Downstream Anadromous Species  # Diadromous Species Downstream (incl eel)  Resident Fish  Stream Health  Barrier is in EBTJV BKT Catchment  No  MD MBSS Benthic IBI Stream Health  N/A  Barrier Blocks an EBTJV Catchment (DeWeber)  No  MD MBSS Combined IBI Stream Health  N/A  Native Fish Species Richness (HUC8)  No  MD MBSS Combined IBI Stream Health  N/A  Native Fish Species Richness (HUC8)  PA IBI Stream Health  N/A  WA INSTAR mIBI Stream Health  N/A  # Rare Fish (HUC8)  PA IBI Stream Health  N/A	Dam is on Conserved Land			No		
Density of Crossings in Upstream Network Watershed (#/m2) 2.37  Density of Crossings in Downstream 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  Diadromous Fish  Downstream Alewife Historical Downstream Striped Bass None Documen  Downstream Blueback Historical Downstream Stortiped Bass None Documen  Downstream American Shad None Documented Downstream Shortnose Sturgeon None Documen  Downstream Hickory Shad None Documented Downstream American Eel Current  Presence of 1 or More Downstream Anadromous Species Historical  # Diadromous Species Downstream (incl eel) 1  Resident Fish 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 Combined IBI Stream Health N/A  Native Fish Species Richness (HUC8) 58 VA INSTAR mIBI Stream Health High  # Rare Fish (HUC8) 2 PA IBI Stream Health N/A  # Rare Mussel (HUC8) 2 PA IBI Stream Health N/A	% Conserved Land in 100m Bu	ffer of Upstream Network		0		
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Density of off-channel dams in Downstream Network Watershed (#/m2) 0  Diadromous Fish  Downstream Alewife Historical Downstream Striped Bass None Documen  Downstream Blueback Historical Downstream Atlantic Sturgeon None Documen  Downstream American Shad None Documented Downstream Shortnose Sturgeon None Documen  Downstream Hickory Shad None Documented Downstream American Eel Current  Presence of 1 or More Downstream Anadromous Species Historical  # Diadromous Species Downstream (incl eel) 1  Resident Fish Stream Health  Barrier is in EBTJV BKT Catchment No Chesapeake Bay Program Stream Health N/A  Barrier Blocks an EBTJV Catchment (DeWeber) No MD MBSS Benthic 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) 58 VA INSTAR mIBI Stream Health High  # Rare Fish (HUC8) 2 PA IBI Stream Health N/A  # Rare Mussel (HUC8) 2	Density of Crossings in Downst	tream Network Watershed	l (#/m2)	2.37		
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# Diadromous Species Downstream (incl eel)  Resident Fish  Barrier is in EBTJV BKT Catchment  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)  # Rare Fish (HUC8)  PA IBI Stream Health  N/A  N/A	Downstream Hickory Shad None Documented			vnstream American Eel	Current	
Resident Fish  Barrier is in EBTJV BKT Catchment  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 Fish IBI Stream Health  N/A  Native Fish Species Richness (HUC8)  FAIR  N/A  NATIVE Fish Species Richness (HUC8)  AND  NO  MD MBSS Combined IBI Stream Health  N/A  NATIVE Fish Species Richness (HUC8)  PA IBI Stream Health  N/A  # Rare Mussel (HUC8)  2	Presence of 1 or More Downs	tream Anadromous Specie	s Hist	orical		
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Barrier is in Modeled BKT Catchment (DeWeber)  No  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 Fish IBI Stream Health  N/A  MD MBSS Combined IBI Stream Health  N/A  Native Fish Species Richness (HUC8)  Fare Fish (HUC8)  MD MBSS Combined IBI Stream Health  N/A  VA INSTAR mIBI Stream Health  High  N/A  PA IBI Stream Health  N/A	Reside	nt Fish		Strea	m Health	
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Native Fish Species Richness (HUC8)  # Rare Fish (HUC8)  # Rare Mussel (HUC8)  58  VA INSTAR mIBI Stream Health  High  N/A	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)	Barrier Blocks a Modeled BKT Catchment (DeWeber) No		)	MD MBSS Combined IBI Stream Health		N/A
# Rare Fish (HUC8)  2 PA IBI Stream Health N/A  # Rare Mussel (HUC8)  2	Native Fish Species Richness (HUC8) 58		}	VA INSTAR mIBI Stream Health		High
	# Rare Fish (HUC8)			PA IBI Stream Health		N/A
						•
# Rare Crayfish (HUC8) 0	,					

