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

CFPPP Unique ID: VA\_605 KING & QUEEN COURTHOUSE DAM

Diadromous Tier 1

Brook Trout Tier N/A

Resident Tier 1

NID ID VA09702

State ID 605

River Name Courthouse Creek

Dam Height (ft) 12

Dam Type Gravity

Latitude 37.6736

Longitude -76.8775

Passage Facilities None Documented

Passage Year N/A

Size Class 1b: Creek (3.861 - 38.61 sq mi)

HUC 12 Courthouse Creek-Mattaponi Ri

HUC 10 Garnetts Creek-Mattaponi River

HUC 8 Mattaponi

HUC 6 Lower Chesapeake

HUC 4 Lower Chesapeake







Landcover						
NLCD (2011)		Chesapeake Conservancy (2016)				
% Impervious Surface in Upstream Drainage Area 0.2		% Tree Cover in ARA of Upstream Network				
% Natural Cover in Upstream Drainage Area	92.28	% Tree Cover in ARA of Downstream Network	81.81			
% Forested in Upstream Drainage Area	70.27	% Herbaceaous Cover in ARA of Upstream Network	0.89			
% Agriculture in Upstream Drainage Area	5.09	% Herbaceaous Cover in ARA of Downstream Network	10.66			
% Natural Cover in ARA of Upstream Network	99.29	% Barren Cover in ARA of Upstream Network	0			
% 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	64	% Road Impervious in ARA of Upstream Network	0.04			
% 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	0.44	% Other Impervious in ARA of Upstream Network	0.02			
% 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	0.01					
% Impervious Surf in ARA of Downstream Network	0.44					



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

CFPPP Unique ID: VA\_605 KING & QUEEN COURTHOUSE DAM

Fotal Functional Network (mi) 1709.99 # Downsteam Natural Barriers 0 Absolute Gain (mi) 21.02 # Downstream Hydropower Dams 0 # Size Classes in Total Network 4 # Downstream Barriers 0 # Upstream Network Size Classes 2 # of Downstream Barriers 0 Not Scored / Unavailable at this scale Dam is on Conserved Land No # Conserved Land in 100m Buffer of Upstream Network 16.9 # Conserved Land in 100m Buffer of Downstream Network 6.56 Density of Crossings in Upstream Network Watershed (#/m2) 0.23 Density of Crossings in Downstream Network Watershed (#/m2) 0.64 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Diadromous Fish Downstream Alewife Current Downstream Striped Bass None Documented Downstream Alewife Current Downstream Striped Bass None Documented 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 Stream Health FAIR Barrier is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Enthic 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) 4  # Rare Fish (HUC8) 4	CIFFF Offique ID. VA_003 KING & QUEEN	COOK	1003F DVIAI		
Fotal Functional Network (mi) 1709.99 # Downsteam Natural Barriers 0 Absolute Gain (mi) 21.02 # Downstream Hydropower Dams 0 # Size Classes in Total Network 4 # Downstream Barriers 0 # Upstream Network Size Classes 2 # of Downstream Barriers 0 Not Scored / Unavailable at this scale Dam is on Conserved Land No # Conserved Land in 100m Buffer of Upstream Network 16.9 # Conserved Land in 100m Buffer of Downstream Network 6.56 Density of Crossings in Upstream Network Watershed (#/m2) 0.23 Density of Crossings in Downstream Network Watershed (#/m2) 0.64 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Diadromous Fish Downstream Alewife Current Downstream Striped Bass None Documented Downstream Alewife Current Downstream Striped Bass None Documented 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 Stream Health FAIR Barrier is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Enthic 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) 4  # Rare Fish (HUC8) 4	Network, S	System	ype and Condition		
Absolute Gain (mi)  21.02 # Downstream Hydropower Dams 0 # Size Classes in Total Network 4 # Downstream Barriers 0 # Upstream Network Size Classes 2 # of Downstream Barriers 0 Not Scored / Unavailable at this scale Dam is on Conserved Land No # Conserved Land in 100m Buffer of Upstream Network 16.9 # Conserved Land in 100m Buffer of Downstream Network 6.56 Density of Crossings in Upstream Network Watershed (#/m2) 0.23 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 American Shad None Documented Downstream American Sturgeon None Documented 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 Stream Health FAIR Barrier is in EBTJV BKT Catchment (DeWeber) 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) 4 # Rare Mussel (HUC8) 4	Functional Upstream Network (mi) 21.02		Upstream Size Class Gain (#)	0	
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Resident Fish  Barrier is in EBTJV BKT Catchment  Barrier is in Modeled BKT Catchment (DeWeber)  Barrier Blocks an EBTJV Catchment  Barrier Blocks a Modeled BKT Catchment (DeWeber)  No  MD MBSS Fish 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  NO  Notive Fish Species Richness (HUC8)  # Rare Fish (HUC8)  # Rare Mussel (HUC8)  4	Downstream Hickory Shad None Documented		Downstream American Eel C	urrent	
Resident Fish  Barrier is in EBTJV BKT Catchment  No  Chesapeake Bay Program Stream Health  FAIR  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  MD MBSS Combined IBI Stream Health  N/A  Native Fish Species Richness (HUC8)  Fare Fish (HUC8)  A INSTAR mIBI Stream Health  N/A  PA IBI Stream Health  N/A  M/A	Presence of 1 or More Downstream Anadromous Sp	ecies	Current		
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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 Combined IBI Stream Health  N/A  NA  No  No  No  No  No  No  No  No  N	Resident Fish		Stream	Health	
Barrier Blocks an EBTJV Catchment  No  MD MBSS Fish IBI Stream Health  N/A  MD MBSS Combined IBI Stream Health  N/A  Native Fish Species Richness (HUC8)  # Rare Fish (HUC8)  PA IBI Stream Health  N/A  N/A  PA IBI Stream Health  N/A  N/A	Barrier is in EBTJV BKT Catchment		Chesapeake Bay Program Stream Health FAIR		
Barrier Blocks a Modeled BKT Catchment (DeWeber) No  Native Fish Species Richness (HUC8)  # Rare Fish (HUC8)  MD MBSS Combined IBI Stream Health  VA INSTAR mIBI Stream Health  PA IBI Stream Health  N/A  # Rare Mussel (HUC8)  4	Barrier is in Modeled BKT Catchment (DeWeber)		MD MBSS Benthic IBI Stream Ho	MD MBSS Benthic IBI Stream Health N/A	
Native Fish Species Richness (HUC8)  # Rare Fish (HUC8)  # Rare Mussel (HUC8)  54  VA INSTAR mIBI Stream Health  High  N/A	Barrier Blocks an EBTJV Catchment		MD MBSS Fish IBI Stream Healt	h <b>N/A</b>	
# 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 Mussel (HUC8) 4	# Rare Fish (HUC8)	2	PA IBI Stream Health	N/A	
# Rare Crayfish (HUC8) 0	# Rare Mussel (HUC8)	4		•	
	# Rare Crayfish (HUC8)	0			

