Chesapeake Fish Passage Prioritization - Dam Fact Sheet

	CFPPP Unique ID:	VA_747 CARTER & HARRELL DAM					
1	Diadromous Tier	6					
	Brook Trout Tier	N/A	1				
	Resident Tier	4					
	NID ID	VA07514	1				
	State ID	747	No P				
	River Name		1				
	Dam Height (ft)	24	13				
	Dam Type	Earth					
	Latitude	37.6367					
	Longitude	-77.7799					
	Passage Facilities	None Documented	1				
	Passage Year	N/A	/ 1				
	Size Class	1a: Headwater (0 - 3.861 sq mi)	1				
	HUC 12	Little River-James River	MO P				
	HUC 10	Tuckahoe Creek-James River	1 4				
	HUC 8	Middle James-Willis					
	HUC 6	James					
	HUC 4	Lower Chesapeake					



Landcover							
NLCD (2011)		Chesapeake Conservancy (2016)					
% Impervious Surface in Upstream Drainage Area	0.09	% Tree Cover in ARA of Upstream Network	84.09				
% Natural Cover in Upstream Drainage Area	80.11	% Tree Cover in ARA of Downstream Network	79.1				
% Forested in Upstream Drainage Area		% Herbaceaous Cover in ARA of Upstream Network	7.82				
% Agriculture in Upstream Drainage Area		% Herbaceaous Cover in ARA of Downstream Network	15.73				
% Natural Cover in ARA of Upstream Network	86.11	% Barren Cover in ARA of Upstream Network	0				
% Natural Cover in ARA of Downstream Network	79.33	% Barren Cover in ARA of Downstream Network	0.1				
% Forest Cover in ARA of Upstream Network	76.34	% Road Impervious in ARA of Upstream Network	0.03				
% Forest Cover in ARA of Downstream Network	65.28	% Road Impervious in ARA of Downstream Network	0.6				
% Agricultral Cover in ARA of Upstream Network	13.74	% Other Impervious in ARA of Upstream Network	0.7				
% Agricultral Cover in ARA of Downstream Network	16.03	% Other Impervious in ARA of Downstream Network	0.78				
% Impervious Surf in ARA of Upstream Network	0						
% Impervious Surf in ARA of Downstream Network	0.71						

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Absolute Gain (mi) 2.16 # Downstream Hydropower Dams 2 # Size Classes in Total Network 6 # Downstream Dams with Passage 4 # Upstream Network Size Classes 1 # of Downstream Barriers 4 Not Scored / Unavailable at this scale Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 11.23 Density of Crossings in Upstream Network Watershed (#/m2) Density of Crossings 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) Downstream Allamic Sturgeon Downstream Allamic Sturgeon Downstream Allamic Sturgeon None Documented Downstream American Shad None Documented Downstream American Shad None Documented Downstream Hickory Shad None Documented Downstream American Eel Current Resident Fish Rarrier is in EBTJV BKT Catchment No Barrier is in Modeled BKT Catchment No Barrier is in Modeled BKT Catchment No Barrier Blocks a Modeled BKT Catchment (DeWeber) No Native Fish Species Richness (HUC8) 51 VA INSTAR mIBI Stream Health Very High # Rare Fish (HUC8) 0 PA IBI Stream Health Very High # Rare Fish (HUC8) 0 PA IBI Stream Health Very High # Rare Fish (HUC8)		Notwork Co	istem	Type an	d Cond	lition		
Total Functional Network (mi) 5433.18 # Downsteam Natural Barriers 0 Absolute Gain (mi) 2.16 # Downstream Hydropower Dams 2 # Size Classes in Total Network 6 # Downstream Dams with Passage 4 # Upstream Network Size Classes 1 # of Downstream Barriers 4 NPHAP Cumulative Disturbance Index Not Scored / Unavailable at this scale Dam is on Conserved Land in 100m Buffer of Downstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 11.23 Density of Crossings in Upstream Network Watershed (#/m2) 0.47 Density of Crossings in Downstream Network Watershed (#/m2) 0.84 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 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 da			stem					
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				PA IBI Stream Health				N/A
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	# Rare Crayfish (HUC8)		0					

