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

	Cilesapeak	2 LI211 La22	
CFPPP Unique ID:	VA_593	RAINER DAM	
Diadromous Tier	1		
Brook Trout Tier	N/A		
Resident Tier	2		
NID ID	VA08538		
State ID	593		
River Name	Hawes Millrace		
Dam Height (ft)	18		
Dam Type	Gravity		
Latitude	37.6651		
Longitude	-77.2997		
Passage Facilities	None Documente	d	
Passage Year	N/A		
Size Class	1a: Headwater (0 - 3.861 sq mi)		
HUC 12	Totopotomoy Creek		
HUC 10	Upper Pamunkey	River	
HUC 8	Pamunkey		
HUC 6	Lower Chesapeak	е	
HUC 4	Lower Chesapeak	е	



Landcover							
NLCD (2011)		Chesapeake Conservancy (2016)					
% Impervious Surface in Upstream Drainage Area	0.21	% Tree Cover in ARA of Upstream Network	94.45				
% Natural Cover in Upstream Drainage Area	72.76	% Tree Cover in ARA of Downstream Network	65.24				
% Forested in Upstream Drainage Area	61.96	% Herbaceaous Cover in ARA of Upstream Network	4.49				
% Agriculture in Upstream Drainage Area	23.41	% Herbaceaous Cover in ARA of Downstream Network	23.41				
% Natural Cover in ARA of Upstream Network	95.46	% Barren Cover in ARA of Upstream Network	0				
% Natural Cover in ARA of Downstream Network	76.09	% Barren Cover in ARA of Downstream Network	0.11				
% Forest Cover in ARA of Upstream Network	73.92	% Road Impervious in ARA of Upstream Network	0.12				
% Forest Cover in ARA of Downstream Network	32.03	% Road Impervious in ARA of Downstream Network	0.61				
% Agricultral Cover in ARA of Upstream Network	1.81	% Other Impervious in ARA of Upstream Network	0.94				
% Agricultral Cover in ARA of Downstream Network	19.65	% Other Impervious in ARA of Downstream Network	1.09				
% Impervious Surf in ARA of Upstream Network	0.05						
% Impervious Surf in ARA of Downstream Network	0.68						

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

CFPPP Unique ID: VA\_593 RAINER DAM

CIFFF Offique ID. VA_393	NAMEN DAM				
	Network, Syste	em Type	e and Condition		
Functional Upstream Network	(mi) 2.37		Upstream Size Class Gain (‡	<b>!)</b>	0
Total Functional Network (mi) 1344.5			# Downsteam Natural Barriers		0
Absolute Gain (mi) 2.37			# Downstream Hydropower Dams		0
# Size Classes in Total Network 5			# Downstream Dams with Passage		0
# Upstream Network Size Classes 1			# of Downstream Barriers		0
NFHAP Cumulative Disturband	e Index		Not Scored / Unavailable at this scale		
Dam is on Conserved Land			No		
% Conserved Land in 100m Bu	ffer of Upstream Network		0		
% Conserved Land in 100m Bu	ffer of Downstream Netwo	ork	6.63		
Density of Crossings in Upstre			0		
Density of Crossings in Downs		-			
Density of off-channel dams in					
Density of off-channel dams in	ı Downstream Network W	atershe	d (#/m2) 0		
	Dia	dromou	ıs Fish		
Downstream Alewife	Current	Dov	wnstream Striped Bass	None Doc	umented
Downstream Blueback	pack Current		Downstream Atlantic Sturgeon None Doc		umented
Downstream American Shad	None Documented	Dov	wnstream Shortnose Sturgeon	None Doc	umented
Downstream Hickory Shad	None Documented	Dov	wnstream American Eel	Current	
Presence of 1 or More Downstream Anadromous Spec			Current		
# Diadromous Species Downs	tream (incl eel)	3			
Reside	nt Fish		Strea	m Health	
Barrier is in EBTJV BKT Catchment No		0	Chesapeake Bay Program Stream Health FAIR		
		0			N/A
		0	MD MBSS Fish IBI Stream Health		N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)		0	MD MBSS Combined IBI Stream Health		N/A
		6	VA INSTAR mIBI Stream Health		Outstanding
# Rare Fish (HUC8)			PA IBI Stream Health		N/A
# Rare Mussel (HUC8)					,
# Rare Crayfish (HUC8)	0				
, ( )	_				

