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

CFPPP Unique ID: VA\_825 RED HILL ORCHARD DAM

Bay-wide Diadromous Tier 6
Bay-wide Resident Tier 5

Bay-wide Brook Trout Tier N/A

NID ID VA00320

State ID 825

River Name

Dam Height (ft) 27

Dam Type Earth

Latitude 37.9488

Longitude -78.6057

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 North Fork Hardware River

HUC 10 Hardware River

HUC 8 Middle James-Buffalo

HUC 6 James

HUC 4 Lower Chesapeake







Landcover								
NLCD (2011)		Chesapeake Conservancy (2016)						
% Impervious Surface in Upstream Drainage Area	0.84	% Tree Cover in ARA of Upstream Network	2.7					
% Natural Cover in Upstream Drainage Area	56.63	% Tree Cover in ARA of Downstream Network	79.1					
% Forested in Upstream Drainage Area	45.96	% Herbaceaous Cover in ARA of Upstream Network	72.01					
% Agriculture in Upstream Drainage Area	34.6	% Herbaceaous Cover in ARA of Downstream Network	15.73					
% Natural Cover in ARA of Upstream Network	51.01	% 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	25.76	% Road Impervious in ARA of Upstream Network	0					
% 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	28.79	% Other Impervious in ARA of Upstream Network	0.21					
% 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	2.54							
% Impervious Surf in ARA of Downstream Network	0.71							



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CFPPP Unique ID: VA\_825 RED HILL ORCHARD DAM

CITTI Ollique ID. VA_623	KLD HILL OKCHA	לו טאר	AIVI				
	Network, Sy	ystem	Туре	and Condition			
Functional Upstream Network (mi) 0.68			Upstream Size Class Gain (#)		0		
Total Functional Network (mi) 5431.7			# Downsteam Natural Barriers		0		
Absolute Gain (mi) 0.68				# Downstream Hydropower Dams		2	
# Size Classes in Total Network 6			# Downstream Dams with Passage		4		
# Upstream Network Size Classes 1			# of Downstream Barriers		4		
NFHAP Cumulative Disturband	ce Index			Very High			
Dam is on Conserved Land				No			
% Conserved Land in 100m Buffer of Upstream Network				0			
% Conserved Land in 100m Bu	iffer of Downstream Ne	twork		11.23			
Density of Crossings in Upstre	am Network Watershed	d (#/m	12)	0			
Density of Crossings in Downs	tream Network Waters	hed (#	‡/m2)	0.84			
Density of off-channel dams in	n Upstream Network Wa	atersh	ned (#,	/m2) 0			
Density of off-channel dams in	n Downstream Network	Wate	ershed	(#/m2) 0			
	[	Diadro	mous	Fish			
Downstream Alewife	Potential Current	rrent		nstream Striped Bass	None Documented		
Downstream Blueback	ream Blueback Potential Current		Dow	Downstream Atlantic Sturgeon None Doc		cumented	
Downstream American Shad	None Documented		Downstream Shortnose Sturgeon N		None Doo	None Documented	
Downstream Hickory Shad	None Documented		Dow	nstream American Eel	Current		
Presence of 1 or More Downs	tream Anadromous Spe	ecies	Pote	ntial Curre			
# Diadromous Species Downs	tream (incl eel)		1				
Resident Fish			Stream Health				
Barrier is in EBTJV BKT Catchment No		No		Chesapeake Bay Program Stream Health FAIR			
Barrier is in Modeled BKT Catchment (DeWeber) No		No		MD MBSS Benthic IBI Stream Health N/A		N/A	
Barrier Blocks an EBTJV Catchment Ye		Yes		MD MBSS Fish IBI Stream Health		N/A	
Barrier Blocks a Modeled BKT Catchment (DeWeber) No		No		MD MBSS Combined IBI Stream Health		N/A	
Native Fish Species Richness (HUC8) 50		50		VA INSTAR mIBI Stream Health		Moderate	
# Rare Fish (HUC8)		0		PA IBI Stream Health		N/A	
		4				•	
		0					

