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

CFPPP Unique ID: VA 33 **DIGIULIAN DAM** Diadromous Tier 9 Brook Trout Tier N/A **Resident Tier** 11 NID ID VA06102 33 State ID River Name Dam Height (ft) 30

Dam Type Gravity Latitude 38.8616 Longitude -78.0297

Passage Facilities None Documented

N/A Passage Year

Size Class 1a: Headwater (0 - 3.861 sq mi) HUC 12 Buck Run-Rappahannock River HUC 10 Thumb Run-Rappahannock Rive HUC8 Rapidan-Upper Rappahannock HUC 6 Lower Chesapeake

HUC 4 Lower Chesapeake







	Land	cover	
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0	% Tree Cover in ARA of Upstream Network	73.69
% Natural Cover in Upstream Drainage Area	100	% Tree Cover in ARA of Downstream Network	61.16
% Forested in Upstream Drainage Area	94.07	% Herbaceaous Cover in ARA of Upstream Network	0
% Agriculture in Upstream Drainage Area	0	% Herbaceaous Cover in ARA of Downstream Network	33.55
% Natural Cover in ARA of Upstream Network	100	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	54.83	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	64.03	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	48.17	% Road Impervious in ARA of Downstream Network	0.68
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0
% Agricultral Cover in ARA of Downstream Network 42.01		% Other Impervious in ARA of Downstream Network	0.15
% Impervious Surf in ARA of Upstream Network	0		
% Impervious Surf in ARA of Downstream Network	0.18		



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CFPPP Unique ID: VA\_33 DIGIULIAN DAM

	Network, Sy	ystem	Type and Condi	tion		
Functional Upstream Network	k (mi) 0.63		Upstrea	m Size Class Gain (‡	<b>‡</b> )	0
Total Functional Network (mi)	7.5		# Down	steam Natural Barri	ers	0
Absolute Gain (mi)	0.63		# Down	stream Hydropowe	r Dams	0
# Size Classes in Total Networ	k 1		# Down	stream Dams with F	Passage	0
# Upstream Network Size Clas	sses 1		# of Dov	wnstream Barriers		2
NFHAP Cumulative Disturband	ce Index			Not Scored / Unav	ailable at th	is scale
Dam is on Conserved Land				No		
% Conserved Land in 100m Buffer of Upstream Network				0		
% Conserved Land in 100m Bu	uffer of Downstream Ne	twork		15.73		
Density of Crossings in Upstre	eam Network Watershed	d (#/m	2)	0		
Density of Crossings in Downs	stream Network Waters	hed (#	<sup>2</sup> /m2)	0.46		
Density of off-channel dams in	n Upstream Network Wa	atersh	ed (#/m2)	0		
Density of off-channel dams in	n Downstream Network	Wate	rshed (#/m2)	0		
	Į.	Diadro	mous Fish			
Downstream Alewife	ا Historical	Diadro	omous Fish Downstream St	triped Bass	None Doc	umented
Downstream Alewife  Downstream Blueback		Diadro	Downstream St	triped Bass tlantic Sturgeon	None Doc	
	Historical	Diadro	Downstream A			umented
Downstream Blueback	Historical Historical	Diadro	Downstream A	tlantic Sturgeon	None Doc	umented umented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad	Historical Historical None Documented None Documented		Downstream A  Downstream SI	tlantic Sturgeon	None Doc	umented umented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs	Historical Historical None Documented None Documented stream Anadromous Spe		Downstream A Downstream SI Downstream A	tlantic Sturgeon	None Doc	umented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs	Historical Historical None Documented None Documented stream Anadromous Spe		Downstream A Downstream A Downstream A Historical	tlantic Sturgeon nortnose Sturgeon merican Eel	None Doca None Doca	umented umented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs	Historical Historical None Documented None Documented stream Anadromous Spectream (incl eel)		Downstream Al Downstream Al Downstream Al Historical	tlantic Sturgeon nortnose Sturgeon merican Eel Strea	None Doct None Doct None Doct m Health	umented umented umented
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside	Historical Historical None Documented None Documented stream Anadromous Spectream (incl eel) ent Fish ment	ecies	Downstream And Downstream And Historical	tlantic Sturgeon nortnose Sturgeon merican Eel	None Doct  None Doct  m Health eam Health	umented umented umented FAIR
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier is in Modeled BKT Catchn	Historical Historical None Documented None Documented Stream Anadromous Spectream (incl eel) ent Fish ment schment (DeWeber)	ecies	Downstream And Downstream And Downstream And Historical  Chesapea MD MBS	tlantic Sturgeon nortnose Sturgeon merican Eel Strea	None Doct  None Doct  Mealth  Health	umented umented umented FAIR N/A
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier Blocks an EBTJV Catch	Historical Historical None Documented None Documented stream Anadromous Spectream (incl eel) ent Fish ment schment (DeWeber)	No No No	Downstream St Downstream A Downstream A Historical 0 Chesapea MD MBSS MD MBSS	tlantic Sturgeon nortnose Sturgeon merican Eel  Strea ake Bay Program Str S Benthic IBI Stream S Fish IBI Stream He	None Doct  None Doct  Mone Doct  Mealth  Health  Health  alth	FAIR N/A
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier is in Modeled BKT Catch  Barrier Blocks an EBTJV Catch  Barrier Blocks a Modeled BKT	Historical Historical None Documented None Documented Stream Anadromous Spectream (incl eel) ent Fish ment schment (DeWeber) ment Catchment (DeWeber)	No No No No	Downstream St Downstream A Downstream A Historical 0 Chesapea MD MBSS MD MBSS	stream Senthic IBI Stream He	None Doct  None Doct  Mone Doct  Mealth  Health  Health  alth  am Health	FAIR N/A N/A
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier is in Modeled BKT Catch  Barrier Blocks an EBTJV Catch  Barrier Blocks a Modeled BKT  Native Fish Species Richness (	Historical Historical None Documented None Documented Stream Anadromous Spectream (incl eel) ent Fish ment schment (DeWeber) ment Catchment (DeWeber)	No No No No No 38	Downstream St Downstream A Downstream A Downstream A Historical O Chesapea MD MBS MD MBS VA INSTA	stlantic Sturgeon nortnose Sturgeon merican Eel  Strea ake Bay Program Str S Benthic IBI Stream S Fish IBI Stream He S Combined IBI Stream R mIBI Stream Heal	None Doct  None Doct  Mone Doct  Mealth  Health  Health  alth  am Health	FAIR N/A N/A High
Downstream Blueback  Downstream American Shad  Downstream Hickory Shad  Presence of 1 or More Downs  # Diadromous Species Downs  Reside  Barrier is in EBTJV BKT Catchn  Barrier is in Modeled BKT Catch  Barrier Blocks an EBTJV Catch  Barrier Blocks a Modeled BKT	Historical Historical None Documented None Documented Stream Anadromous Spectream (incl eel) ent Fish ment schment (DeWeber) ment Catchment (DeWeber)	No No No No	Downstream St Downstream A Downstream A Downstream A Historical O Chesapea MD MBS MD MBS VA INSTA	stream Senthic IBI Stream He	None Doct  None Doct  Mone Doct  Mealth  Health  Health  alth  am Health	FAIR N/A N/A

