

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA\_VA70006**      **Lee Hall Upper Dam Outlet**

Diadromous Tier	2
Brook Trout Tier	N/A
Resident Tier	9
NID ID	VA70006
State ID	70006
River Name	Warwick River
Dam Height (ft)	21.8
Dam Type	Earth
Latitude	37.179
Longitude	-76.561
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Warwick River
HUC 10	Pagan River-James River
HUC 8	Lower James
HUC 6	James
HUC 4	Lower Chesapeake



### Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	2.42	% Tree Cover in ARA of Upstream Network	81.19
% Natural Cover in Upstream Drainage Area	76.26	% Tree Cover in ARA of Downstream Network	46.93
% Forested in Upstream Drainage Area	54.74	% Herbaceous Cover in ARA of Upstream Network	6.9
% Agriculture in Upstream Drainage Area	4.83	% Herbaceous Cover in ARA of Downstream Network	13.62
% Natural Cover in ARA of Upstream Network	84.79	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	39.96	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	45.97	% Road Impervious in ARA of Upstream Network	1.3
% Forest Cover in ARA of Downstream Network	18.87	% Road Impervious in ARA of Downstream Network	8.57
% Agricultural Cover in ARA of Upstream Network	3.08	% Other Impervious in ARA of Upstream Network	1.24
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	17.48
% Impervious Surf in ARA of Upstream Network	1.53		
% Impervious Surf in ARA of Downstream Network	24.33		

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf)

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### Network, System Type and Condition

Functional Upstream Network (mi)	30.14	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	33.35	# Downstream Natural Barriers	0
Absolute Gain (mi)	3.21	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	1
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	89.15		
% Conserved Land in 100m Buffer of Downstream Network	54.22		
Density of Crossings in Upstream Network Watershed (#/m2)	0.8		
Density of Crossings in Downstream Network Watershed (#/m2)	4.21		
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	Historical	Downstream Striped Bass	Current
Downstream Blueback	Historical	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	None Documented
Presence of 1 or More Downstream Anadromous Species	Current		
# Diadromous Species Downstream (incl eel)	1		

### Resident Fish

Barrier is in EBTJV BKT Catchment	No
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	62
# Rare Fish (HUC8)	2
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

### Stream Health

Chesapeake Bay Program Stream Health	FAIR
MD MBSS Benthic IBI Stream Health	N/A
MD MBSS Fish IBI Stream Health	N/A
MD MBSS Combined IBI Stream Health	N/A
VA INSTAR mIBI Stream Health	High
PA IBI Stream Health	N/A

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