

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_1014**

FALLING CREEK RESERVOIR DAM

Diadromous Tier	2
Brook Trout Tier	N/A
Resident Tier	4
NID ID	VA04115
State ID	1014
River Name	Falling Creek
Dam Height (ft)	34
Dam Type	Buttress
Latitude	37.4618
Longitude	-77.4661
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi)
HUC 12	Falling Creek
HUC 10	Falling Creek-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	14.94	% Tree Cover in ARA of Upstream Network	59.51
% Natural Cover in Upstream Drainage Area	31.04	% Tree Cover in ARA of Downstream Network	50.43
% Forested in Upstream Drainage Area	27.19	% Herbaceous Cover in ARA of Upstream Network	21.39
% Agriculture in Upstream Drainage Area	2.13	% Herbaceous Cover in ARA of Downstream Network	21.6
% Natural Cover in ARA of Upstream Network	51.71	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	66.86	% Barren Cover in ARA of Downstream Network	1.39
% Forest Cover in ARA of Upstream Network	41.47	% Road Impervious in ARA of Upstream Network	6.62
% Forest Cover in ARA of Downstream Network	23.65	% Road Impervious in ARA of Downstream Network	3.27
% Agricultural Cover in ARA of Upstream Network	1.48	% Other Impervious in ARA of Upstream Network	9.94
% Agricultural Cover in ARA of Downstream Network	11.44	% Other Impervious in ARA of Downstream Network	6.14
% Impervious Surf in ARA of Upstream Network	10.44		
% Impervious Surf in ARA of Downstream Network	7.27		

Metric descriptions can be found at:

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)	56.5	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	352.86	# Downstream Natural Barriers	0
Absolute Gain (mi)	56.5	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	3	# of Downstream Barriers	0
NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	1.41		
% Conserved Land in 100m Buffer of Downstream Network	7.43		
Density of Crossings in Upstream Network Watershed (#/m2)	1.68		
Density of Crossings in Downstream Network Watershed (#/m2)	1.5		
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	Current	Downstream Striped Bass	None Documented
Downstream Blueback	Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Current	Downstream American Eel	Current
Presence of 1 or More Downstream Anadromous Species	Current		
# Diadromous Species Downstream (incl eel)	5		

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	POOR
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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