



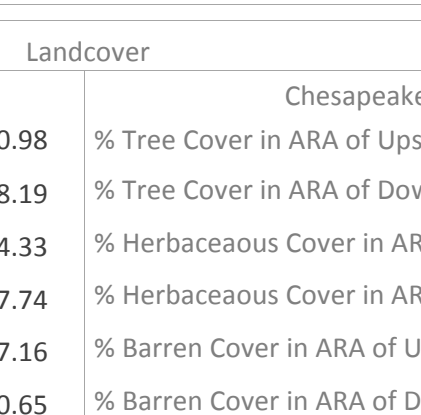
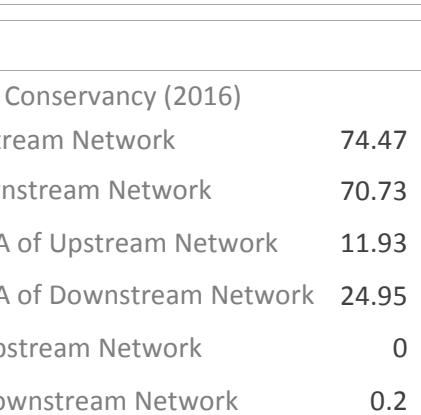
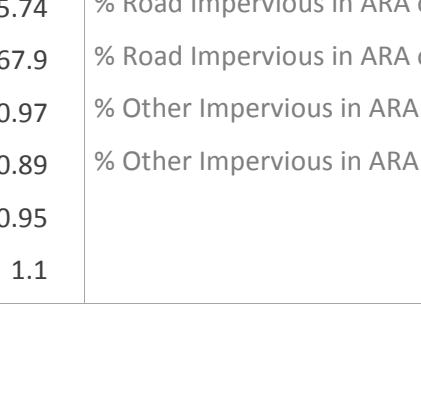
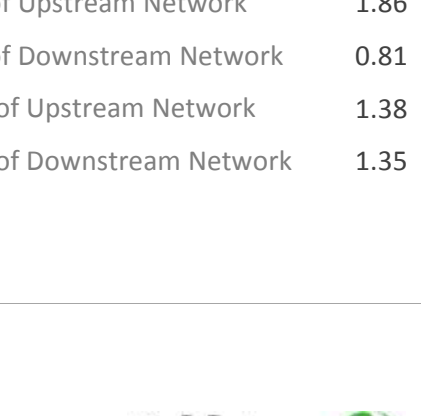
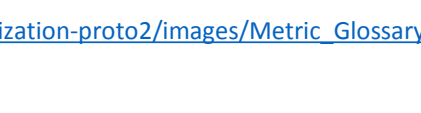
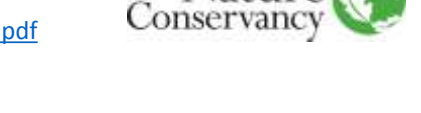


## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: <b>VA_1098</b>		<b>SUMMIT DAM</b>	<b>Lake Holiday Dam</b>
Diadromous Tier	12		
Brook Trout Tier	N/A		
Resident Tier	1		
NID ID	VA06914		
State ID	1098		
River Name	Isaacs Creek		
Dam Height (ft)	102		
Dam Type	Gravity		
Latitude	39.3092		
Longitude	-78.3069		
Passage Facilities	None Documented		
Passage Year	N/A		
Size Class	1b: Creek (3.861 - 38.61 sq mi)		
HUC 12	Isaacs Creek-Back Creek		
HUC 10	Back Creek		
HUC 8	Conococheague-Opequon		
HUC 6	Potomac		
HUC 4	Potomac		

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.98	% Tree Cover in ARA of Upstream Network	74.47
% Natural Cover in Upstream Drainage Area	68.19	% Tree Cover in ARA of Downstream Network	70.73
% Forested in Upstream Drainage Area	64.33	% Herbaceous Cover in ARA of Upstream Network	11.93
% Agriculture in Upstream Drainage Area	17.74	% Herbaceous Cover in ARA of Downstream Network	24.95
% Natural Cover in ARA of Upstream Network	77.16	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	70.65	% Barren Cover in ARA of Downstream Network	0.2
% Forest Cover in ARA of Upstream Network	65.74	% Road Impervious in ARA of Upstream Network	1.86
% Forest Cover in ARA of Downstream Network	67.9	% Road Impervious in ARA of Downstream Network	0.81
% Agricultural Cover in ARA of Upstream Network	10.97	% Other Impervious in ARA of Upstream Network	1.38
% Agricultural Cover in ARA of Downstream Network	20.89	% Other Impervious in ARA of Downstream Network	1.35
% Impervious Surf in ARA of Upstream Network	0.95		
% Impervious Surf in ARA of Downstream Network	1.1		

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)

# Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: <b>VA_1098</b>		<b>SUMMIT DAM</b>		<b>Lake Holiday Dam</b>	
Network, System Type and Condition					
Functional Upstream Network (mi)	29.93	Upstream Size Class Gain (#)	0		
Total Functional Network (mi)	7742.79	# Downsteam Natural Barriers	1		
Absolute Gain (mi)	29.93	# Downstream Hydropower Dams	2		
# Size Classes in Total Network	6	# Downstream Dams with Passage	1		
# Upstream Network Size Classes	2	# of Downstream Barriers	6		
NFHAP Cumulative Disturbance Index		Moderate			
Dam is on Conserved Land		No			
% Conserved Land in 100m Buffer of Upstream Network		0			
% Conserved Land in 100m Buffer of Downstream Network		13.88			
Density of Crossings in Upstream Network Watershed (#/m2)		1.19			
Density of Crossings in Downstream Network Watershed (#/m2)		1.14			
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	None Documented	Downstream Striped Bass	None Documented		
Downstream Blueback	None Documented	Downstream Atlantic Sturgeon	None Documented		
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented		
Downstream Hickory Shad	None Documented	Downstream American Eel	Current		
Presence of 1 or More Downstream Anadromous Species		None Docume			
# Diadromous Species Downstream (incl eel)		1			
Resident Fish			Stream Health		
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	GOOD		
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	N/A		
Barrier Blocks an EBTJV Catchment	Yes	MD MBSS Fish IBI Stream Health	N/A		
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes	MD MBSS Combined IBI Stream Health	N/A		
Native Fish Species Richness (HUC8)	42	VA INSTAR mIBI Stream Health	Moderate		
# Rare Fish (HUC8)	0	PA IBI Stream Health	N/A		
# Rare Mussel (HUC8)	5				
# Rare Crayfish (HUC8)	0				

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