



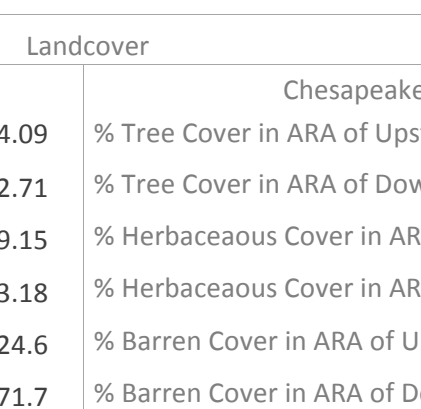
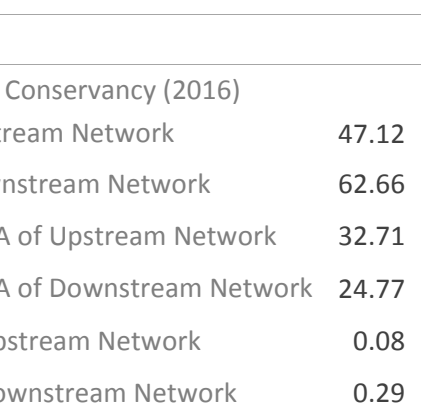
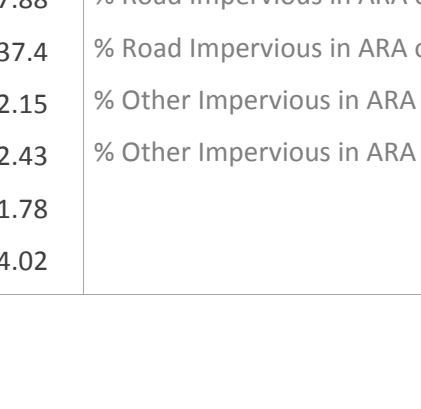
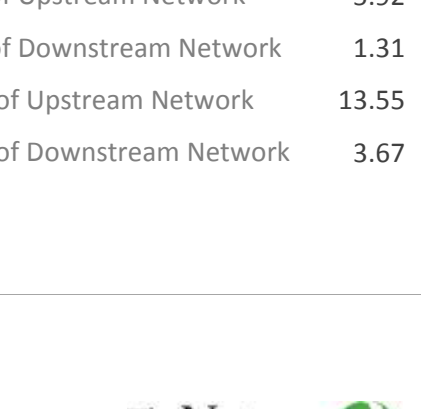
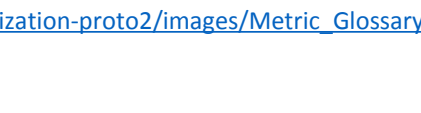



Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: MD_LPX10		SOLDIERS LAKE DAM	LAKE ALLEN DAM
Bay-wide Diadromous Tier	6		
Bay-wide Resident Tier	12		
Bay-wide Brook Trout Tier	N/A		
NID ID	MD00066		
State ID	LPX10		
River Name	Midway Branch		
Dam Height (ft)	11		
Dam Type	Unspecified Type		
Latitude	39.0807		
Longitude	-76.7316		
Passage Facilities	None Documented		
Passage Year	N/A		
Size Class	1b: Creek (3.861 - 38.61 sq mi)		
HUC 12	Towers Branch-Little Patuxent		
HUC 10	Little Patuxent River		
HUC 8	Patuxent		
HUC 6	Upper Chesapeake		
HUC 4	Upper Chesapeake		

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	24.09	% Tree Cover in ARA of Upstream Network	47.12
% Natural Cover in Upstream Drainage Area	22.71	% Tree Cover in ARA of Downstream Network	62.66
% Forested in Upstream Drainage Area	19.15	% Herbaceous Cover in ARA of Upstream Network	32.71
% Agriculture in Upstream Drainage Area	3.18	% Herbaceous Cover in ARA of Downstream Network	24.77
% Natural Cover in ARA of Upstream Network	24.6	% Barren Cover in ARA of Upstream Network	0.08
% Natural Cover in ARA of Downstream Network	71.7	% Barren Cover in ARA of Downstream Network	0.29
% Forest Cover in ARA of Upstream Network	17.88	% Road Impervious in ARA of Upstream Network	5.92
% Forest Cover in ARA of Downstream Network	37.4	% Road Impervious in ARA of Downstream Network	1.31
% Agricultural Cover in ARA of Upstream Network	2.15	% Other Impervious in ARA of Upstream Network	13.55
% Agricultural Cover in ARA of Downstream Network	12.43	% Other Impervious in ARA of Downstream Network	3.67
% Impervious Surf in ARA of Upstream Network	21.78		
% Impervious Surf in ARA of Downstream Network	4.02		

Metric descriptions can be found at:

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: **MD_LPX10**

SOLDIERS LAKE DAM

LAKE ALLEN DAM

Network, System Type and Condition

Functional Upstream Network (mi)	9.09	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1239.86	# Downstream Natural Barriers	0
Absolute Gain (mi)	9.09	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	0
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	Yes		
% Conserved Land in 100m Buffer of Upstream Network	89.39		
% Conserved Land in 100m Buffer of Downstream Network	19.68		
Density of Crossings in Upstream Network Watershed (#/m2)	2.27		
Density of Crossings in Downstream Network Watershed (#/m2)	0.64		
Density of off-channel dams in Upstream Network Watershed (#/m2)	0		
Density of off-channel dams in Downstream Network Watershed (#/m2)	0.02		

Diadromous Fish

Downstream Alewife	Current	Downstream Striped Bass	None Documented
Downstream Blueback	Current	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	Current		
# Diadromous Species Downstream (incl eel)	3		

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)	51
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	VERY_POOR
MD MBSS Benthic IBI Stream Health	Poor
MD MBSS Fish IBI Stream Health	Fair
MD MBSS Combined IBI Stream Health	Poor
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf