Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_532**   SUNKEN MEADOW DAM

Bay-wide Diadromous Tier	1
Bay-wide Resident Tier	6
Bay-wide Brook Trout Tier	N/A
NID ID	VA18101
State ID	532
River Name	Sunken Meadow Creek
Dam Height (ft)	14
Dam Type	Earth
Latitude	37.2182
Longitude	-76.9346
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Sunken Meadow Pond-James Ri
HUC 10	Upper Chippokes Creek-James R
HUC 8	Lower James
HUC 6	James
HUC 4	Lower Chesapeake

Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.27	% Tree Cover in ARA of Upstream Network	83.74
% Natural Cover in Upstream Drainage Area	84.53	% Tree Cover in ARA of Downstream Network	55.25
% Forested in Upstream Drainage Area	49.65	% Herbaceaous Cover in ARA of Upstream Network	2.31
% Agriculture in Upstream Drainage Area	10.41	% Herbaceaous Cover in ARA of Downstream Network	11.96
% Natural Cover in ARA of Upstream Network	97.35	% Barren Cover in ARA of Upstream Network	0.35
% Natural Cover in ARA of Downstream Network	74.07	% Barren Cover in ARA of Downstream Network	11.66
% Forest Cover in ARA of Upstream Network	41.34	% Road Impervious in ARA of Upstream Network	0.12
% Forest Cover in ARA of Downstream Network	27.16	% Road Impervious in ARA of Downstream Network	1.81
% Agricultral Cover in ARA of Upstream Network	1.47	% Other Impervious in ARA of Upstream Network	0.05
% Agricultral Cover in ARA of Downstream Network	2.06	% Other Impervious in ARA of Downstream Network	2.27
% Impervious Surf in ARA of Upstream Network	0.09		
% Impervious Surf in ARA of Downstream Network	4.84		

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)	21.4	Upstream Size Class Gain (#)	2
Total Functional Network (mi)	21.51	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.11	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# 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		1.4	
% Conserved Land in 100m Buffer of Downstream Network		0	
Density of Crossings in Upstream Network Watershed (#/m2)		0.19	
Density of Crossings in Downstream Network Watershed (#/m2)		0.44	
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	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)	3

Resident Fish and Rare Species

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
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

Stream Health

Chesapeake Bay Program Stream Health	GOOD
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	Very High
PA IBI Stream Health	N/A

Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	No

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