## **Chesapeake Fish Passage Prioritization - Dam Fact Sheet**

CFPPP Unique ID:	PA_40-212	2	RAY T MANTZ				
Bay-wide Diadron	13						
Bay-wide Residen	7						
Bay-wide Brook T	rout Tier	N/A					
NID ID	PA00544						
State ID	40-212						
River Name	Mill Creek						
Dam Height (ft)	13						
Dam Type	Earth						
Latitude	41.0844						
Longitude	-75.8129						
Passage Facilities	None Documented						
Passage Year	N/A						
Size Class	1a: Headwater (0 - 3.861 sq mi)						
HUC 12	Little Nescopeck Creek-Nescope						
HUC 10	Nescopecl	k Creel	k				

HUC8

HUC 6 HUC 4 Upper Susquehanna-Lackawann

Upper Susquehanna

Susquehanna



**Bryant's Pond** 





Landcover						
NLCD (2011)		Chesapeake Conservancy (2016)				
% Impervious Surface in Upstream Drainage Area	0.69	% Tree Cover in ARA of Upstream Network	66.26			
% Natural Cover in Upstream Drainage Area	89.42	% Tree Cover in ARA of Downstream Network	86.1			
% Forested in Upstream Drainage Area	85.93	% Herbaceaous Cover in ARA of Upstream Network	24.59			
% Agriculture in Upstream Drainage Area	3.59	% Herbaceaous Cover in ARA of Downstream Network	9.86			
% Natural Cover in ARA of Upstream Network	97.46	% Barren Cover in ARA of Upstream Network	0.03			
% Natural Cover in ARA of Downstream Network	94.69	% Barren Cover in ARA of Downstream Network	0.12			
% Forest Cover in ARA of Upstream Network	76.93	% Road Impervious in ARA of Upstream Network	0.08			
% Forest Cover in ARA of Downstream Network	88.72	% Road Impervious in ARA of Downstream Network	0.34			
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.14			
% Agricultral Cover in ARA of Downstream Network	1.02	% Other Impervious in ARA of Downstream Network	0.38			
% Impervious Surf in ARA of Upstream Network	0.08					
% Impervious Surf in ARA of Downstream Network	0.25					



## **Chesapeake Fish Passage Prioritization - Dam Fact Sheet**

Downstream Blueback None Documented Downstream Atlantic Sturgeon None Downstream American Shad None Documented Downstream Shortnose Sturgeon None 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 Barrier Blocks an EBTJV Catchment Yes MD MBSS Fish IBI Stream Health MD MBSS Combined IBI Stream Health		PPP Unique ID: PA_40-212 RAY T MANTZ		Bryant's Pond		
Total Functional Network (mi) 65.2 # Downstream Natural Barriers Absolute Gain (mi) 2.85 # Downstream Hydropower Dams # Size Classes in Total Network 2 # Downstream Dams with Passage # Upstream Network Size Classes 1 # of Downstream Barriers NFHAP Cumulative Disturbance Index Very High Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 54.59 Density of Crossings in Upstream Network Watershed (#/m2) 0.34 Density of Grossings in Downstream Network Watershed (#/m2) 0.84 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream 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 Downstream Allamic Sturgeon None Downstream American Shad None Documented Downstream Atlantic Sturgeon None Downstream Hickory Shad None Documented Downstream American Eel Curren 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 (DeWeber) No MD MBSS Benthic IBI Stream Health Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes MD MBSS Combined IBI Stream Health Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes MD MBSS Combined IBI Stream Health Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes MD MBSS Combined IBI Stream Health	sten	Network, S	ype and Condition			
Absolute Gain (mi)  2.85  # Downstream Hydropower Dams # Size Classes in Total Network  2  # Downstream Dams with Passage # Upstream Network Size Classes 1  # of Downstream Barriers  NFHAP Cumulative Disturbance Index  Dam is on Conserved Land  No  % Conserved Land in 100m Buffer of Upstream Network  Conserved Land in 100m Buffer of Downstream Network  Conserved Land in 100m Buffer of Downstream Network  Conserved Land in 100m Buffer of Downstream Network  S4.59  Density of Crossings in Upstream Network Watershed (#/m2)  Density of Gff-channel dams in Upstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Downstream Alewife  None Documented  Downstream Striped Bass  None Downstream Atlantic Sturgeon  None Downstream American Shad  None Documented  Downstream American Shad  None Documented  Downstream American Eel  Curren  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  Barrier is in Modeled BKT Catchment (DeWeber)  No  MD MBSS Benthic IBI Stream Health  Barrier Blocks a Modeled BKT Catchment  Ves  MD MBSS Combined IBI Stream Health  Barrier Blocks a Modeled BKT Catchment  No  MD MBSS Combined IBI Stream Health		ctional Upstream Network (mi) 2.85	Upstream Size Class Gain (#)		<b>‡</b> )	0
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Dam is on Conserved Land  No  Conserved Land in 100m Buffer of Upstream Network  Conserved Land in 100m Buffer of Downstream Network  Conserved Land in 100m Buffer of Downstream Network  S4.59  Density of Crossings in Upstream Network Watershed (#/m2)  Density of Crossings in Downstream Network Watershed (#/m2)  Density of off-channel dams in Upstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Diadromous Fish  Downstream Alewife  None Documented  Downstream Striped Bass  None Downstream Atlantic Sturgeon  None Downstream American Shad  None Documented  Downstream American Sturgeon  None Downstream American Eel  Curren  Presence of 1 or More Downstream Anadromous Species  # Diadromous Species Downstream (incl eel)  Resident Fish  Stream Health  Barrier is in EBTJV BKT Catchment  No  MD MBSS Benthic IBI Stream Health  Barrier Blocks an BBTJV Catchment  Yes  MD MBSS Combined IBI Stream Health  MD MBSS Combined IBI Stream Health		ostream Network Size Classes 1	# of Downstre	eam Barriers		7
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Native Fish Species Richness (HUC8) 37 VA INSTAR milli Stream Health	Native Fish Species Richness (HUC8) 37		VA INSTAR mIB	VA INSTAR mIBI Stream Health		
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# Rare Mussel (HUC8) 2	2	are Mussel (HUC8)				
# Rare Crayfish (HUC8) 0	0	are Crayfish (HUC8)				

