

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12266**

VON SPRECKELSON FARM POND

| | |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier | 3 |
| Bay-wide Resident Tier | 13 |
| Bay-wide Brook Trout Tier | N/A |
| NID ID | MD00346 |
| State ID | 12266 |
| River Name | Hambleton Creek |
| Dam Height (ft) | 8 |
| Dam Type | Earth |
| Latitude | 39.1813 |
| Longitude | -76.0161 |
| Passage Facilities | None Documented |
| Passage Year | N/A |
| Size Class | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12 | Middle Chester River |
| HUC 10 | Chester River |
| HUC 8 | Chester-Sassafras |
| HUC 6 | Upper Chesapeake |
| HUC 4 | Upper Chesapeake |



Landcover

| NLCD (2011) | | Chesapeake Conservancy (2016) | |
|---------------------------------------------------|-------|-------------------------------------------------|-------|
| % Impervious Surface in Upstream Drainage Area | 0.88 | % Tree Cover in ARA of Upstream Network | 31.5 |
| % Natural Cover in Upstream Drainage Area | 10.72 | % Tree Cover in ARA of Downstream Network | 36.77 |
| % Forested in Upstream Drainage Area | 5.72 | % Herbaceous Cover in ARA of Upstream Network | 61.71 |
| % Agriculture in Upstream Drainage Area | 80.79 | % Herbaceous Cover in ARA of Downstream Network | 54.04 |
| % Natural Cover in ARA of Upstream Network | 28.99 | % Barren Cover in ARA of Upstream Network | 0.16 |
| % Natural Cover in ARA of Downstream Network | 40.6 | % Barren Cover in ARA of Downstream Network | 0.15 |
| % Forest Cover in ARA of Upstream Network | 13.02 | % Road Impervious in ARA of Upstream Network | 1.1 |
| % Forest Cover in ARA of Downstream Network | 11.65 | % Road Impervious in ARA of Downstream Network | 1 |
| % Agricultural Cover in ARA of Upstream Network | 65.64 | % Other Impervious in ARA of Upstream Network | 0.56 |
| % Agricultural Cover in ARA of Downstream Network | 51.32 | % Other Impervious in ARA of Downstream Network | 1.46 |
| % Impervious Surf in ARA of Upstream Network | 0.8 | | |
| % Impervious Surf in ARA of Downstream Network | 1.17 | | |

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) | 1.58 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 622.64 | # Downstream Natural Barriers | 0 |
| Absolute Gain (mi) | 1.58 | # Downstream Hydropower Dams | 0 |
| # Size Classes in Total Network | 4 | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes | 1 | # of Downstream Barriers | 0 |
| NFHAP Cumulative Disturbance Index | Very High | | |
| Dam is on Conserved Land | No | | |
| % Conserved Land in 100m Buffer of Upstream Network | 52.67 | | |
| % Conserved Land in 100m Buffer of Downstream Network | 20.13 | | |
| Density of Crossings in Upstream Network Watershed (#/m2) | 0.61 | | |
| Density of Crossings in Downstream Network Watershed (#/m2) | 0.46 | | |
| 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) | 48 |
| # Rare Fish (HUC8) | 1 |
| # Rare Mussel (HUC8) | 2 |
| # Rare Crayfish (HUC8) | 0 |

Stream Health

| | |
|--------------------------------------|------|
| Chesapeake Bay Program Stream Health | FAIR |
| MD MBSS Benthic IBI Stream Health | Fair |
| MD MBSS Fish IBI Stream Health | Fair |
| MD MBSS Combined IBI Stream Health | Fair |
| 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