

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_615**

ICE HOUSE DAM

| | |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier | 8 |
| Bay-wide Resident Tier | 3 |
| Bay-wide Brook Trout Tier | N/A |
| NID ID | VA09716 |
| State ID | 615 |
| River Name | |
| Dam Height (ft) | 13 |
| Dam Type | Gravity |
| Latitude | 37.7468 |
| Longitude | -76.9323 |
| Passage Facilities | None Documented |
| Passage Year | N/A |
| Size Class | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12 | Garnetts Creek |
| HUC 10 | Garnetts Creek-Mattaponi River |
| HUC 8 | Mattaponi |
| HUC 6 | Lower Chesapeake |
| HUC 4 | Lower Chesapeake |



Landcover

| NLCD (2011) | | Chesapeake Conservancy (2016) | |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area | 0.18 | % Tree Cover in ARA of Upstream Network | 85.52 |
| % Natural Cover in Upstream Drainage Area | 90.22 | % Tree Cover in ARA of Downstream Network | 70.87 |
| % Forested in Upstream Drainage Area | 59.9 | % Herbaceous Cover in ARA of Upstream Network | 9.23 |
| % Agriculture in Upstream Drainage Area | 8.07 | % Herbaceous Cover in ARA of Downstream Network | 1.52 |
| % Natural Cover in ARA of Upstream Network | 89.24 | % Barren Cover in ARA of Upstream Network | 0 |
| % Natural Cover in ARA of Downstream Network | 98.1 | % Barren Cover in ARA of Downstream Network | 0 |
| % Forest Cover in ARA of Upstream Network | 55.38 | % Road Impervious in ARA of Upstream Network | 0.31 |
| % Forest Cover in ARA of Downstream Network | 62.09 | % Road Impervious in ARA of Downstream Network | 0.17 |
| % Agricultural Cover in ARA of Upstream Network | 9.24 | % Other Impervious in ARA of Upstream Network | 0.12 |
| % Agricultural Cover in ARA of Downstream Network | 0 | % Other Impervious in ARA of Downstream Network | 0.08 |
| % Impervious Surf in ARA of Upstream Network | 0.16 | | |
| % Impervious Surf in ARA of Downstream Network | 0.13 | | |

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: **VA_615**

ICE HOUSE DAM

Network, System Type and Condition

| | | | |
|--|--|--------------------------------|---|
| Functional Upstream Network (mi) | 6 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 9.04 | # Downstream Natural Barriers | 0 |
| Absolute Gain (mi) | 3.03 | # Downstream Hydropower Dams | 0 |
| # Size Classes in Total Network | 1 | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes | 1 | # of Downstream Barriers | 1 |
| NFHAP Cumulative Disturbance Index | Not Scored / Unavailable at this scale | | |
| Dam is on Conserved Land | Yes | | |
| % Conserved Land in 100m Buffer of Upstream Network | 74.19 | | |
| % Conserved Land in 100m Buffer of Downstream Network | 35.63 | | |
| Density of Crossings in Upstream Network Watershed (#/m2) | 0 | | |
| Density of Crossings in Downstream Network Watershed (#/m2) | 0.67 | | |
| 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 | Historical | Downstream Striped Bass | None Documented |
| Downstream Blueback | Historical | Downstream Atlantic Sturgeon | None Documented |
| Downstream American Shad | None Documented | Downstream Shortnose Sturgeon | None Documented |
| Downstream Hickory Shad | None Documented | Downstream American Eel | None Documented |
| Presence of 1 or More Downstream Anadromous Species | Historical | | |
| # Diadromous Species Downstream (incl eel) | 0 | | |

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) | 54 |
| # Rare Fish (HUC8) | 2 |
| # Rare Mussel (HUC8) | 4 |
| # Rare Crayfish (HUC8) | 0 |

Stream Health

| | |
|--------------------------------------|-----------|
| Chesapeake Bay Program Stream Health | FAIR |
| 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 |

Metric descriptions can be found at:

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