# Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_1031** **LAKE SALISBURY DAM**

| | |
|---|---|
| Diadromous Tier | 16 |
| Brook Trout Tier | N/A |
| Resident Tier | 15 |
| NID ID | VA04136 |
| State ID | 1031 |
| River Name | Falling Creek |
| Dam Height (ft) | 37 |
| Dam Type | Earth |
| Latitude | 37.5182 |
| Longitude | -77.6435 |
| Passage Facilities | None Documented |
| Passage Year | N/A |
| Size Class | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12 | Falling Creek |
| HUC 10 | Falling Creek-James River |
| HUC 8 | Lower James |
| HUC 6 | James |
| HUC 4 | Lower Chesapeake |


## Landcover

| NLCD (2011) | |
|---|---|
| % Impervious Surface in Upstream Drainage Area | 6.56 |
| % Natural Cover in Upstream Drainage Area | 25.26 |
| % Forested in Upstream Drainage Area | 18.02 |
| % Agriculture in Upstream Drainage Area | 1.32 |
| % Natural Cover in ARA of Upstream Network | 31.87 |
| % Natural Cover in ARA of Downstream Network | 46.99 |
| % Forest Cover in ARA of Upstream Network | 16.43 |
| % Forest Cover in ARA of Downstream Network | 31.77 |
| % Agricultral Cover in ARA of Upstream Network | 1.53 |
| % Agricultral Cover in ARA of Downstream Network | 0.85 |
| % Impervious Surf in ARA of Upstream Network | 6.72 |
| % Impervious Surf in ARA of Downstream Network | 9.43 |

| Chesapeake Conservancy (2016) | |
|---|---|
| % Tree Cover in ARA of Upstream Network | 33.39 |
| % Tree Cover in ARA of Downstream Network | 58.82 |
| % Herbaceaous Cover in ARA of Upstream Network | 39.13 |
| % Herbaceaous Cover in ARA of Downstream Network | 21.2 |
| % Barren Cover in ARA of Upstream Network | 0 |
| % Barren Cover in ARA of Downstream Network | 0.14 |
| % Road Impervious in ARA of Upstream Network | 3.18 |
| % Road Impervious in ARA of Downstream Network | 6.86 |
| % Other Impervious in ARA of Upstream Network | 10.81 |
| % Other Impervious in ARA of Downstream Network | 10.54 |

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) | 2.89 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 36.75 | # Downsteam Natural Barriers | 0 |
| Absolute Gain (mi) | 2.89 | # Downstream Hydropower Dams | 0 |
| # Size Classes in Total Network | 2 | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes | 1 | # of Downstream Barriers | 2 |

| | |
|---|---|
| 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 | 4.35 |
| Density of Crossings in Upstream Network Watershed (#/m2) | 1.37 |
| Density of Crossings in Downstream Network Watershed (#/m2) | 1.59 |
| 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) | 62 |
| # Rare Fish (HUC8) | 2 |
| # Rare Mussel (HUC8) | 1 |
| # Rare Crayfish (HUC8) | 0 |

## Stream Health

| | |
|---|---|
| Chesapeake Bay Program Stream Health | POOR |
| 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 | High |
| PA IBI Stream Health | N/A |

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