

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12241** **LONACONING RESERVOIR**

| | |
|--------------------|---------------------------------|
| Diadromous Tier | 17 |
| Brook Trout Tier | 5 |
| Resident Tier | 6 |
| NID ID | MD00251 |
| State ID | 12241 |
| River Name | Jackson Run |
| Dam Height (ft) | 15 |
| Dam Type | Gravity |
| Latitude | 39.552 |
| Longitude | -78.9742 |
| Passage Facilities | None Documented |
| Passage Year | N/A |
| Size Class | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12 | Lower Georges Creek |
| HUC 10 | Georges Creek |
| HUC 8 | North Branch Potomac |
| HUC 6 | Potomac |
| HUC 4 | Potomac |



Landcover

| NLCD (2011) | | Chesapeake Conservancy (2016) | |
|---------------------------------------------------|-------|-------------------------------------------------|-------|
| % Impervious Surface in Upstream Drainage Area | 0.01 | % Tree Cover in ARA of Upstream Network | 97.08 |
| % Natural Cover in Upstream Drainage Area | 94.04 | % Tree Cover in ARA of Downstream Network | 71.2 |
| % Forested in Upstream Drainage Area | 91.39 | % Herbaceous Cover in ARA of Upstream Network | 2.39 |
| % Agriculture in Upstream Drainage Area | 5.6 | % Herbaceous Cover in ARA of Downstream Network | 20.09 |
| % Natural Cover in ARA of Upstream Network | 100 | % Barren Cover in ARA of Upstream Network | 0.05 |
| % Natural Cover in ARA of Downstream Network | 68.35 | % Barren Cover in ARA of Downstream Network | 0.24 |
| % Forest Cover in ARA of Upstream Network | 99.66 | % Road Impervious in ARA of Upstream Network | 0.2 |
| % Forest Cover in ARA of Downstream Network | 64.28 | % Road Impervious in ARA of Downstream Network | 1.47 |
| % Agricultural Cover in ARA of Upstream Network | 0 | % Other Impervious in ARA of Upstream Network | 0.03 |
| % Agricultural Cover in ARA of Downstream Network | 11.77 | % Other Impervious in ARA of Downstream Network | 4.93 |
| % Impervious Surf in ARA of Upstream Network | 0 | | |
| % Impervious Surf in ARA of Downstream Network | 4.71 | | |

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) | 2.81 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 341.68 | # Downstream Natural Barriers | 1 |
| Absolute Gain (mi) | 2.81 | # Downstream Hydropower Dams | 2 |
| # Size Classes in Total Network | 4 | # Downstream Dams with Passage | 1 |
| # Upstream Network Size Classes | 1 | # of Downstream Barriers | 7 |
| NFHAP Cumulative Disturbance Index | High | | |
| Dam is on Conserved Land | No | | |
| % Conserved Land in 100m Buffer of Upstream Network | 0 | | |
| % Conserved Land in 100m Buffer of Downstream Network | 12.4 | | |
| Density of Crossings in Upstream Network Watershed (#/m2) | 0.51 | | |
| 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 | None Documented | Downstream Striped Bass | None Documented |
| Downstream Blueback | None Documented | 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 | None Docume | | |
| # Diadromous Species Downstream (incl eel) | 0 | | |

Resident Fish

| | |
|--------------------------------------------------|-----|
| Barrier is in EBTJV BKT Catchment | Yes |
| Barrier is in Modeled BKT Catchment (DeWeber) | No |
| Barrier Blocks an EBTJV Catchment | No |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) | Yes |
| Native Fish Species Richness (HUC8) | 36 |
| # Rare Fish (HUC8) | 0 |
| # Rare Mussel (HUC8) | 3 |
| # Rare Crayfish (HUC8) | 0 |

Stream Health

| | |
|--------------------------------------|-----------|
| Chesapeake Bay Program Stream Health | FAIR |
| MD MBSS Benthic IBI Stream Health | Poor |
| MD MBSS Fish IBI Stream Health | Very Poor |
| MD MBSS Combined IBI Stream Health | Poor |
| VA INSTAR mIBI Stream Health | N/A |
| PA IBI Stream Health | N/A |

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