# Chesapeake Fish Passage Prioritization - Dam Fact Sheet

**CFPPP Unique ID: MD_12167**      **GALESTOWN MILLPOND**

| | |
|---|---|
| Diadromous Tier | 3 |
| Brook Trout Tier | N/A |
| Resident Tier | 10 |
| NID ID | MD00124 |
| State ID | 12167 |
| River Name | Gales Creek |
| Dam Height (ft) | 9 |
| Dam Type | Earth |
| Latitude | 38.5673 |
| Longitude | -75.7141 |
| Passage Facilities | Steepass |
| Passage Year | N/A |
| Size Class | 1b: Creek (3.861 - 38.61 sq mi) |
| HUC 12 | Gales Creek-Nanticoke River |
| HUC 10 | Upper Nanticoke River |
| HUC 8 | Nanticoke |
| HUC 6 | Lower Chesapeake |
| HUC 4 | Lower Chesapeake |



## Landcover

### NLCD (2011)

| | |
|---|---|
| % Impervious Surface in Upstream Drainage Area | 0.83 |
| % Natural Cover in Upstream Drainage Area | 29.67 |
| % Forested in Upstream Drainage Area | 12.33 |
| % Agriculture in Upstream Drainage Area | 64.51 |
| % Natural Cover in ARA of Upstream Network | 32.45 |
| % Natural Cover in ARA of Downstream Network | 50.61 |
| % Forest Cover in ARA of Upstream Network | 11.77 |
| % Forest Cover in ARA of Downstream Network | 11.37 |
| % Agricultral Cover in ARA of Upstream Network | 62.26 |
| % Agricultral Cover in ARA of Downstream Network | 43.1 |
| % Impervious Surf in ARA of Upstream Network | 0.43 |
| % Impervious Surf in ARA of Downstream Network | 1.22 |

### Chesapeake Conservancy (2016)

| | |
|---|---|
| % Tree Cover in ARA of Upstream Network | 31.26 |
| % Tree Cover in ARA of Downstream Network | 43.34 |
| % Herbaceaous Cover in ARA of Upstream Network | 65.77 |
| % Herbaceaous Cover in ARA of Downstream Network | 49.7 |
| % Barren Cover in ARA of Upstream Network | 0.07 |
| % Barren Cover in ARA of Downstream Network | 0.22 |
| % Road Impervious in ARA of Upstream Network | 0.67 |
| % Road Impervious in ARA of Downstream Network | 0.98 |
| % Other Impervious in ARA of Upstream Network | 1.12 |
| % Other Impervious in ARA of Downstream Network | 1.52 |

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy

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## Network, System Type and Condition

| | | | |
|---|---|---|---|
| Functional Upstream Network (mi) | 6.99 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 1212.68 | # Downsteam Natural Barriers | 0 |
| Absolute Gain (mi) | 6.99 | # Downstream Hydropower Dams | 0 |
| # Size Classes in Total Network | 4 | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes | 2 | # of Downstream Barriers | 0 |

NFHAP Cumulative Disturbance Index        Not Scored / Unavailable at this scale

Dam is on Conserved Land        No

% Conserved Land in 100m Buffer of Upstream Network        4.66

% Conserved Land in 100m Buffer of Downstream Network        31.2

Density of Crossings in Upstream Network Watershed (#/m2)        0.6

Density of Crossings in Downstream Network Watershed (#/m2)        0.61

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 | 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) | 46 |
| # Rare Fish (HUC8) | 1 |
| # Rare Mussel (HUC8) | 1 |
| # 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 | 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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