




## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

| CFPPP Unique ID: <b>PA_18-008</b> |                                 | <b>HARVEYS</b> | <b>Upper Castanea Reservoir</b>  |  |
|-----------------------------------|---------------------------------|----------------|--|--|
| Diadromous Tier                   | 10                              |                |   |   |
| Brook Trout Tier                  | 6                               |                |  |  |
| Resident Tier                     | 4                               |                |  |  |
| NID ID                            |                                 |                |  |  |
| State ID                          | 18-008                          |                |  |  |
| River Name                        | Harveys Run                     |                |  |  |
| Dam Height (ft)                   | 10                              |                |  |  |
| Dam Type                          | Earth                           |                |  |  |
| Latitude                          | 41.1155                         |                |  |  |
| Longitude                         | -77.4219                        |                |  |  |
| Passage Facilities                | None Documented                 |                |  |  |
| Passage Year                      | N/A                             |                |  |  |
| Size Class                        | 1a: Headwater (0 - 3.861 sq mi) |                |  |  |
| HUC 12                            | Bald Eagle Creek-West Branch S  |                |  |  |
| HUC 10                            | Bald Eagle Creek                |                |  |  |
| HUC 8                             | Bald Eagle                      |                |  |  |
| HUC 6                             | West Branch Susquehanna         |                |  |  |
| HUC 4                             | Susquehanna                     |                |  |  |

| Landcover   |       |   |       |
|---|-------|---|-------|
| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
| % Impervious Surface in Upstream Drainage Area    | 0.64  | % Tree Cover in ARA of Upstream Network         | 98.75 |
| % Natural Cover in Upstream Drainage Area         | 95.25 | % Tree Cover in ARA of Downstream Network       | 68.74 |
| % Forested in Upstream Drainage Area              | 95.13 | % Herbaceous Cover in ARA of Upstream Network   | 0.3   |
| % Agriculture in Upstream Drainage Area           | 0     | % Herbaceous Cover in ARA of Downstream Network | 23.35 |
| % Natural Cover in ARA of Upstream Network        | 94.81 | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 71.46 | % Barren Cover in ARA of Downstream Network     | 0.16  |
| % Forest Cover in ARA of Upstream Network         | 93.77 | % Road Impervious in ARA of Upstream Network    | 0.11  |
| % Forest Cover in ARA of Downstream Network       | 63.46 | % Road Impervious in ARA of Downstream Network  | 1.49  |
| % Agricultural Cover in ARA of Upstream Network   | 0     | % Other Impervious in ARA of Upstream Network   | 0     |
| % Agricultural Cover in ARA of Downstream Network | 18.38 | % Other Impervious in ARA of Downstream Network | 2.39  |
| % Impervious Surf in ARA of Upstream Network      | 0.07  |   |       |
| % Impervious Surf in ARA of Downstream Network    | 2.27  |   |       |

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf)

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|  |                 |  |                 |                          |  |
|--|-----------------|--|-----------------|--------------------------|--|
| CFPPP Unique ID: PA_18-008   |                 | HARVEYS                                |                 | Upper Castanea Reservoir |  |
| Network, System Type and Condition                                 |                 |  |                 |                          |  |
| Functional Upstream Network (mi)                                   | 3.54            | Upstream Size Class Gain (#)           |                 | 0                        |  |
| Total Functional Network (mi)                                      | 1962.06         | # Downstream Natural Barriers          |                 | 0                        |  |
| Absolute Gain (mi)   | 3.54            | # Downstream Hydropower Dams           |                 | 4                        |  |
| # Size Classes in Total Network                                    | 6               | # Downstream Dams with Passage         |                 | 6                        |  |
| # Upstream Network Size Classes                                    | 1               | # of Downstream Barriers               |                 | 7                        |  |
| NFHAP Cumulative Disturbance Index                                 |                 | Not Scored / Unavailable at this scale |                 |                          |  |
| Dam is on Conserved Land   |                 | No                                     |                 |                          |  |
| % Conserved Land in 100m Buffer of Upstream Network                |                 | 75.49                                  |                 |                          |  |
| % Conserved Land in 100m Buffer of Downstream Network              |                 | 38.6                                   |                 |                          |  |
| Density of Crossings in Upstream Network Watershed (#/m2)          |                 | 0.42                                   |                 |                          |  |
| Density of Crossings in Downstream Network Watershed (#/m2)        |                 | 0.72                                   |                 |                          |  |
| 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                | Current         |                          |  |
| Presence of 1 or More Downstream Anadromous Species                |                 | None Docume                            |                 |                          |  |
| # Diadromous Species Downstream (incl eel)                         |                 | 1                                      |                 |                          |  |
| Resident Fish  |                 |  | Stream Health   |                          |  |
| Barrier is in EBTJV BKT Catchment                                  | Yes             | Chesapeake Bay Program Stream Health   | GOOD            |                          |  |
| Barrier is in Modeled BKT Catchment (DeWeber)                      | No              | MD MBSS Benthic IBI Stream Health      | N/A             |                          |  |
| Barrier Blocks an EBTJV Catchment                                  | No              | MD MBSS Fish IBI Stream Health         | N/A             |                          |  |
| Barrier Blocks a Modeled BKT Catchment (DeWeber)                   | No              | MD MBSS Combined IBI Stream Health     | N/A             |                          |  |
| Native Fish Species Richness (HUC8)                                | 35              | VA INSTAR mIBI Stream Health           | N/A             |                          |  |
| # Rare Fish (HUC8)   | 0               | PA IBI Stream Health                   | Good            |                          |  |
| # Rare Mussel (HUC8)   | 0               |  |                 |                          |  |
| # Rare Crayfish (HUC8)   | 0               |  |                 |                          |  |

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