Title: Spring water temperatures in Chesapeake rivers

Time period: 2021 – 2022

Location: Choptank River, Maryland

Patapsco River, Maryland

Rappahannock River, Virginia

Purpose: To collect hourly water temperature data during the spring (February-June) from multiple sites in the Choptank River, Patapsco River, and Rappahannock River watersheds. The objective of this project is to understand water temperature patterns in these rivers during river herring (Alewife *Alosa pseudoharengus* and Blueback Herring *A. aestivalis*) migrations. This project is part of the Smithsonian Institution Working Land and Seascapes program.

Access: These data are not sensitive or classified.

Owners:Matthew Ogburn (Smithsonian Environmental Research Center)

Data compiled by: Matthew Ogburn (Smithsonian Environmental Research Center)

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Cross reference: NA

File names: Folders:

Choptank River

Patapsco River

Rappahannock River

Status: Complete

Keywords: alewife, anadromous fish, blueback herring, phenology, temperature effects

Methodology: Hourly measures of water temperature were collected from February or early March to June in each river using HOBO water temperature loggers (Onset Computer Corp, UA-002-08 or Pro V2 U22-001). All temperature data was set to a local standard time of GMT/UTC-5.

Completeness: These data are complete