

**Request for Proposals**  
Transquaking River Watershed Fund

**Summary of Need:**

Chesapeake Bay Foundation, ShoreRivers, and Dorchester Citizens for Planned Growth (collectively, “NGOs”), seek an expert firm to conduct a data collection, reporting, and analysis project in the Transquaking River (“the Project”).

**Scope of Work:**

**1) Flow & Temperature Data Collection:**

The expert firm hired for the Project will collect flow and temperature data from the Transquaking River. Data collection shall begin as soon as possible and continue for three (3) years (“the Project Term”). The Project Term may be extended by mutual agreement of all parties.

Flow data shall be derived from the installation of three flow gauges: 1) one upstream from the confluence of the unnamed tributary to which Valley Proteins’ Linkwood Facility discharges and the Transquaking River; 2) one at the inlet to Higgins Mill Pond in the Transquaking River; and 3) one at the outlet to Higgins Mill Pond.

Temperature data shall be derived from the installation of four temperature monitors: 1) one in the Transquaking River upstream from the confluence of the unnamed tributary to which Valley Proteins’ Linkwood Facility discharges and the Transquaking River; 2) one in the Transquaking River downstream from the Facility, but above Higgins Mill Pond; 3) one in Higgins Mill Pond; and 4) one below Higgins Mill Pond.

The flow gauges and temperature monitors shall continuously monitor, record, and transmit data to NGOs. Exact timing and format/process for transmittal of data shall be determined through consultation between NGOs and the expert firm. The flow gauges and temperature monitors shall be maintained and calibrated frequently to ensure proper function and reliable results.

**2) Surface Water Quality Data Collection:**

Surface water quality data shall be collected bi-weekly at sites in the Transquaking River to account for, at a minimum:

1. Water quality upstream from the Linkwood Facility’s discharge
2. Water quality downstream from the Linkwood Facility’s discharge
3. Water quality upstream from Higgins Mill Pond
4. Water quality downstream from Higgins Mill Pond
5. Non-point source discharges to the Transquaking River

The water quality samples shall be tested for BOD, Total Nitrogen, Total Phosphorus, and fecal coliform. The results of the water quality testing shall be transmitted to NGOs as recorded.

**3) Data Analysis:**

After the Project Term is complete, the expert firm will conduct an analysis of the temperature and flow data, surface water quality data, and publicly-available discharge data from the Linkwood Facility (via discharge monitoring reports) to describe the impact of the discharge from the Linkwood Facility on the Transquaking River, in context with non-point source discharges in the watershed and the influence of Higgins Mill Pond. The firm will provide NGOs with a written report describing the data collection, analysis, and results.

NGOs will consider alternative sampling methodology (e.g., location, frequency) that meet the objective of describing the impact of the discharge from the Linkwood Facility on the Transquaking River, and bidders are encouraged to propose such alternatives/variations.

**NGOs request separate quotes/proposals for each of the following:**

- 1) Flow and temperature data collection
- 2) Surface water quality data collection
- 3) Data Analysis

**Minimum Requirements:** Applicants must demonstrate prior experience and expertise conducting data collection and analysis projects of similar scope to the one summarized above.

**Deadline for Proposals:** February 6, 2023

**Submit Proposals to:**

Alan Girard  
Eastern Shore Director  
Chesapeake Bay Foundation  
[agirard@cbf.org](mailto:agirard@cbf.org)

**Virtual and in-person meetings are available upon request to discuss logistics and details.**