

WATER QUALITY DATA MANAGER

at Operation Osprey

Fall 2025



The OPERATION OSPREY mission is to conduct an annual Osprey nesting and population survey in the Severn River watershed as well as engage and educate the public about the raptors migratory life and behaviors. The Osprey serves as a touchstone of the health of our aquatic ecosystem since their survival is completely dependent on harvesting fish from our waters. The pillars of Operation Osprey include Nest Monitoring, Engagement and Education. Our NEST MONITORING surveys and specific nest seasonal observations will generate an annual, comprehensive inventory of osprey nests and their populations living in the Severn River watershed. We created the Severn River Watershed Osprey census tracking system that records: nest location, return dates of resident birds to nests, mated pairs, number of chicks born (June), surviving juveniles (August), nests with single birds, and dates when birds migrate to South America. We now desire to integrate 8 years of water quality monitoring data collected by the Severn River Association (SRA) to portray conditions and trends across our watershed.

<https://operationosprey.org/>

CONTACT PERSON

This work will be under the guidance of Dr. Ken Green,
Operation Osprey President and Science Associate.

Contact 301 518 0989

Email: greenest11@gmail.com

Duties of the DATA MANAGER are as follows:

- Extract public domain Water Quality datasets archived at the Chesapeake Monitoring Cooperative
- Use GIS platforms such as Google Earth
- Analyze WQ datasets and develop maps, data graphs, and easy to understand graphics
- Help develop OO presentations
- Coordinate with partners and sponsors on the use of our data
- Assist with writing content for email newsletters and creating content for social media

Qualifications: demonstrated analytical and problem-solving skills, proficiency in water quality data management tools and technologies, experience in generating user friendly WQ maps and reports especially using R, ability to work independently and as part of a team. Experience in the nonprofit sector is a plus.

Compensation: \$35 per hour

Posted: November, 2025

Location: Annapolis area via remote work

Start Date: December 1, 2025

Anticipated Hours: Starting at 15 hours per week for 3 months with expanded hours pending funding

PLEASE SEND COVER LETTER WITH CURRENT RESUME TO DR. GREEN