



**CAC AmeriCorps Service Description  
Town of Farragut  
Water Quality Technician**

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**Site Supervisor:** Lori Saal, Stormwater Coordinator

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### **Service Description Summary**

The Town of Farragut seeks motivated individuals with a passion for the environment to serve as its next Water Quality Technician in support of its stormwater program. This individual will aid in carrying out the Town's responsibilities to comply with the Federal Clean Water Act and National Pollutant Discharge Elimination System (NPDES) permit. The individual is expected to provide an exceptional level of service to Town regulators, peers, the general public and other community members. An abundance of opportunities to work collaboratively with other AmeriCorps partners as well as other Departments within the Town will be available.

The Water Quality Technician's main responsibilities fall into two categories: water quality education and field work/mapping. The work mix varies from year-to-year, but ranges from development of educational materials and presentations to invasive species removal and physically removing waste material from streams. Successful implementation of the job duties can result in water quality improvements within the Town through a reduction of waste and other pollutants entering the Town's storm sewer system and ultimately Town waterways.

### **List of duties and responsibilities**

- Assist in the development and implementation of new and existing education projects
- Develop presentations, workshops and outreach materials for distribution throughout the community. Audiences include children, homeowner's association members, teachers, Town staff, etc.
- Lead classroom lessons and activities surrounding water quality in public and private schools
- Promote stormwater-related environmental awareness and education through social media
- Assist with the planning of and participate in a variety of environmental education events. Attend meetings, staff an outreach booth, conduct activities, etc.
- Recruit and manage volunteers for environmental conservation and water quality activities
- Coordinate the Adopt-A-Stream program: Promote the Adopt-A-Stream program, recruit and train new groups, secure existing groups and lead stream clean-ups
- Coordinate presentations, special events and hands-on service learning projects at the Town's Outdoor Classroom and Water Quality Demonstration Space.
- Conduct visual assessments of Town waterways to identify potential pollutant sources and remediation sites
- Screen pipe outfalls to the stream for possible illicit discharges

- Collect stream samples for laboratory analysis
- Map and assess a variety of water quality infrastructure elements, such as detention basins, rain gardens, grassed swales, etc.
- Create and modify basic maps using GIS software
- Present a status report at monthly meetings of the Stormwater Advisory Committee, a citizen-led group supporting the Town's stormwater program
- Prepare grant proposals and obtain funding for a variety of projects such as tree plantings, stream clean-ups and analytical monitoring of streams

### **Examples of Equipment Used**

- iPad
- Digital camera
- Water quality testing kits and sensors
- Waders
- Gardening equipment (shovels, wheel barrow, rakes, loppers, etc.)
- Printer/copier/scanner
- Microsoft Office software, primarily Word, Excel and PowerPoint
- AV equipment for Power Point presentations
- Photo and video software
- Arts and crafts-type materials

### **Required Knowledge, Skills and Abilities**

- Willingness and ability to work outdoors for extended periods of time and under challenging conditions (various weather conditions, rough/uneven terrain, water, bugs/pests)
- Flexibility in taking on a range of tasks
- Organized and detail-oriented with the ability to collect, document, and maintain recorded information. Maintain a clean and organized office
- Ability to effectively communicate and coordinate with others, including local media, both verbally and written
- Ability to take direction while also showing initiative in daily tasks
- Ability to apply verbal directions to the implementation of program tasks
- Dependable, prompt and professional. A motivated and personable individual.
- Present a pleasant and engaging demeanor when interacting with the public and colleagues.
- A sense of creativity and passion for service and the environment are highly valued.
- Willing to work weekends and extended hours, on occasion
- A valid driver's license and reliable transportation.

### **Academic Qualifications**

- Bachelor's Degree in Environmental Science, Geography, Biology or related field.

*The above functions may be completed with or without accommodations. This description lists the minimum duty requirements. Individuals may be required to perform additional position duties as requested by their supervisor.*