

Environmental Justice GIS and Data Support

STEP INTERNSHIP 2023

Raleigh, NC
Office of Environmental Education
and Public Affairs

PROJECT DESCRIPTION / OBJECTIVE

The overall project objective is to help advance the DEQ Title VI and Environmental Justice Program's Community Mapping System functions and Environmental Justice Reports. The intern will be supervised by DEQ senior policy advisor and will work closely with the team's Program Coordinators, DEQ GIS specialist, and other Public Affairs staff.

MAJOR TASKS TO BE PERFORMED

- **Improve DEQ Community Mapping System:** Work with Environmental Justice Team and DEQ GIS experts to add additional functionality to the Community Mapping System.
- **Support Environmental Justice report writing:** Follow standard protocol to assess demographic and other data for potentially underserved communities. Assist team with additional geospatial and/or tabular data analysis and automation.
- **Support Environmental Justice team public engagement and outreach activities:** Work with the Public Affairs team to support enhanced stakeholder outreach, and/or coordination activities with the public, federal, state, Tribal, and local officials. This includes identifying community leaders for enhanced outreach in potentially underserved communities, identifying language needs for additional translation services, etc.

FINAL PRODUCT OR OUTCOME ANTICIPATED

- Additional functionality for DEQ's Community Mapping System
- Streamlined Environmental Justice Report (automated data extraction)

QUALIFIED CANDIDATE MUST POSSESS

- Strong data analysis and GIS skills
- Proficiency in Microsoft Excel and/or Access
- Experience with demographic, health, or other complex datasets
- Strong interpersonal skills
- Strong initiative and leadership skills

• **BONUS POINTS**

Programming experience a plus

Experience with ArcGIS Online, operations dashboards, or AGOL a plus

Experience building a website is a plus