Introductory GIS for Fisheries Biologists using Open-Source QGIS

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This course will be an introduction to using spatial data in a geographic information system platform. QGIS is a free and open-source GIS application supported by the Open-Source Geospatial Foundation (OSGeo) that runs on Windows, Linux, Mac OSX, and Android. Capabilities consist of core functions, external applications integration, and plugins, which are similar to R packages.

The course will consist of short lectures focused on concepts combined with self-guided exercises applying those concepts to a final map product. Participants will learn basic cartographic techniques and how to locate and read metadata, use existing datasets, create new datasets by digitizing spatial data and incorporating field-collected data, join tables to spatial data, measure and summarize metrics, and carry out other useful GIS operations for fisheries biologists. The concepts and techniques learned in this course are applicable to fisheries professionals for their own work.

Participants will need to provide their own laptop computer and come to class with QGIS already installed on the machine. Download instructions will be provided to registrants prior to the course.

YOU MUST BE REGISTERED BY FEBRUARY 13, 2024 TO PARTICIPATE IN THE WORKSHOP

Course Size: 30-35 participants

Registration fee: $0 for students, $20 for professionals

Course Prerequisites: must provide own computer, no prior GIS experience necessary.