

Self-Paced Workshop: Fishery Applications of GIS II

Course Topics

Fish Density Mapping, Biomass, Species Distribution, Mapping/Modeling CPU, Benthic Habitat Modeler, Correlation with Environmental Variables, Interpolating Point Data & more!!

Self-Paced Workshop

This is a **self-paced** course, therefore the student is responsible for taking full advantage of the materials they will be sent (CD of data and PDF of Workbook). If a Certificate of Completion is desired, the student will be required to submit *.jpgs of certain exercises in a timely manner to our staff as proof of progress. There is no lecture for this workshop and no meetings; everything is on your own using the materials provided.

TOPICS COVERED

Mapping/Modeling Optimal Habitat Determination

- Correlation with Environmental Variables Seasonal Optimal Habitat Determination for CPU Recommendation
- Graphing Seasonal Habitat Data
- Seasonal Comparison of Fish Habitat Maps (Using the Map Comparison Kit)

Biomass Mapping

- Converting Vector Polylines to RasterConverting Vector Points to Raster
- Reclassifying Raster/Grid DatasetsUse Tabulate Areas Command in Spatial Analyst Tools
- Calculation of Relative Biomass

Advanced Point Data Integration Methods

- Density Mapping I: Estimate Density for Fish Population
- Density Mapping II: Estimate Density Using Attributes
- Species Distribution Mapping
- Random Sample Selection Tool
- Extracting Point Data from Raster

What Is Unique About Self-Paced Workshops?

Instructor-Led Workshop	Self-Paced Workshop
On 9am-4pm schedule	On your schedule
On-site (USF St. Petersburg)	At your location of choice
Instructor available in class	Assistance available via email/phone
Certificate of Completion at end of course	Certificate of Completion at end of course upon submission of *.jpgs
Use lab computers with software and data pre-installed	Install data on your computer and 180-day trial version of ArcGIS (with extensions)

Contact Us

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