GIS PROJECT DESIGN II

DATA ANALYSIS AND MODEL BUILDING

U.S. Fish & Wildlife Service
National Conservation Training Center
Shepherdstown, West Virginia

Instructors

Eric Kelchlin (HQ) – Geospatial Course Leader
National Conservation Training Center, WV

Mark Richardson (HQ) – Geospatial Course Leader
National Conservation Training Center, WV

Gabriel DeAlessio (R3) - Biologist/GIS Specialist
Regional Office, MN

Daryl Van Dyke (R8) – GIS Analyst
Klamath Strategic Habitat Conservation Team
Arcata Fish & Wildlife Office, CA

Instructors

Sean Fields (R6) – Biologist/GIS Specialist
Benton Lake NWR, MT

Amy Keister (R4) – Geographer
South Atlantic Landscape Conservation Cooperative
Raleigh, NC

Mike Strager, Ph.D. – Assist Professor of Spatial Analysis
West Virginia University
Morgantown, WV

Course Objectives

- Learn how to analyze data in ArcGIS using hands-on, real-world examples.
- Learn how to create dynamic models using Modelbuilder to process and analyze data.
- Provide time to work on your own GIS project and provide consultants to keep you on track.

Agenda

Mon	Tues	Wed	Thur	Fri
Overview	7 – 8 am Open Lab			
	Review			
Raster Data Analysis	Suitability Modeling	Watershed Analysis	Project Consult. / Resource Selection	Project Work
Raster / SharePoint	Project Consultations			
	Model Builder			
	Project Consultations			
	7 – 9 pm Project Consultations			

Materials

Notebook

- Campus Map
- Agenda
- Exercises

Software

- ArcGIS 10
- R
- GME
- OpenJump HORAE

DATA→ D:\CSP7300

Training Challenges

Wide range of skill levels

- Encourage you to help others
- Extra time? Please explore hardware/software functionality on your own

Instructors <u>always</u> learn in every class

Introductions

Name… Location… Position

What's your project about?