ArcGIS: Understanding the Platform

Allison Rost, Miriam Schmidts
What’s covered in this session

- ArcGIS: a comprehensive geospatial platform
- Case Study: Volunteer bald eagle count
  - Empowering all aspects of the organization
  - Components for shared mapping
ArcGIS
A Comprehensive Geospatial Platform

A Platform for….
- Visualization & Mapping
- Data Management & Integration
- Analysis & Modeling
- Sharing & Collaborating

Leveraging the Power of Geography . . .
to Better Manage Our World
What makes Web GIS so Compelling?

Helping Everyone Do Their Work Better

Leveraging Web Services

Communities

Organizations

Departments

Teams

Individuals

Sharing and Collaboration

Engaging Everyone

Distributed . . . and Interconnected

Interconnected Information, Processes, and Workflows . . .
All Happening at the Same Time
Bald Eagle Counting
Big Bear Lake, California
Case Study: People across the ArcGIS Platform
Case Study 1A: Analyzing Information using ArcGIS Desktop
Using ArcGIS Desktop…
and Web GIS

Mapping

Visualization

Editor
Tom
Bill
Joe

Analysis

½ Mile
¾ Mile
1 Mile
Case Study 1B: Using a Web GIS portal to Create and Share Content
Create and Share GIS Content

Web Maps

• Web Maps are:
  - A type of content stored in your Web GIS
  - Accessed over the web

• Web Maps are made up of:
  - A Basemap
  - Operational layers
  - Map Elements
    - Legend
    - Scalebar
    - Bookmarks
Adding Web Layers to a Web Map

- **Feature layer**
- **Tile layer**
- **Web Map**

Species: Bald Eagle

Year: 2019

Observer: Beth
Case Study 1C: Collecting Data in the Field

Portal
Beth
Rick
Gina
Office Apps
ArcGIS Online
ArcGIS Pro
Mobile Apps
ArcGIS Apps

Web GIS

Desktop apps

Web apps

Mobile apps
Operations Dashboard for ArcGIS

- Configurations of maps, data sources, and elements
Case Study 1D: Using ArcGIS Apps in the Office
What makes Web GIS so Compelling?

Helping Everyone Do Their Work Better

Engaging Everyone

Distributed... and Interconnected

Sharing and Collaboration

Leveraging Web Services

Interconnected Information, Processes, and Workflows... All Happening at the Same Time
ArcGIS: A Comprehensive GIS Platform

- Spatial Analysis and Data Science
- Field Operations
- Mapping and Visualization
- Real-Time Visualization and Analytics
- 3D GIS
- Imagery and Remote Sensing
Please Share Your Feedback in the App

Download the Esri Events app and find your event.

Select the session you attended.

Scroll down to “Survey”.

Log in to access the survey.

Complete the survey and select “Submit”.