#### Announcements

- Check in on map tutorials
  - First map tutorial write-ups were due by 2:00 PM
     Mountain Time Wed/Thurs
  - Map tutorials turned in using the Microsoft Form on the Map Tutorial assignment page
- First Voices of GIS guest next Thursday!
  - Lee Macholz of Missoula City GIS
  - Submit questions for Lee by 2:00 PM on Tuesday
  - Filming?

# Whence Geospatial Data: (Mis)Placing things

Kyle Bocinsky

FORS350 / GPHY488

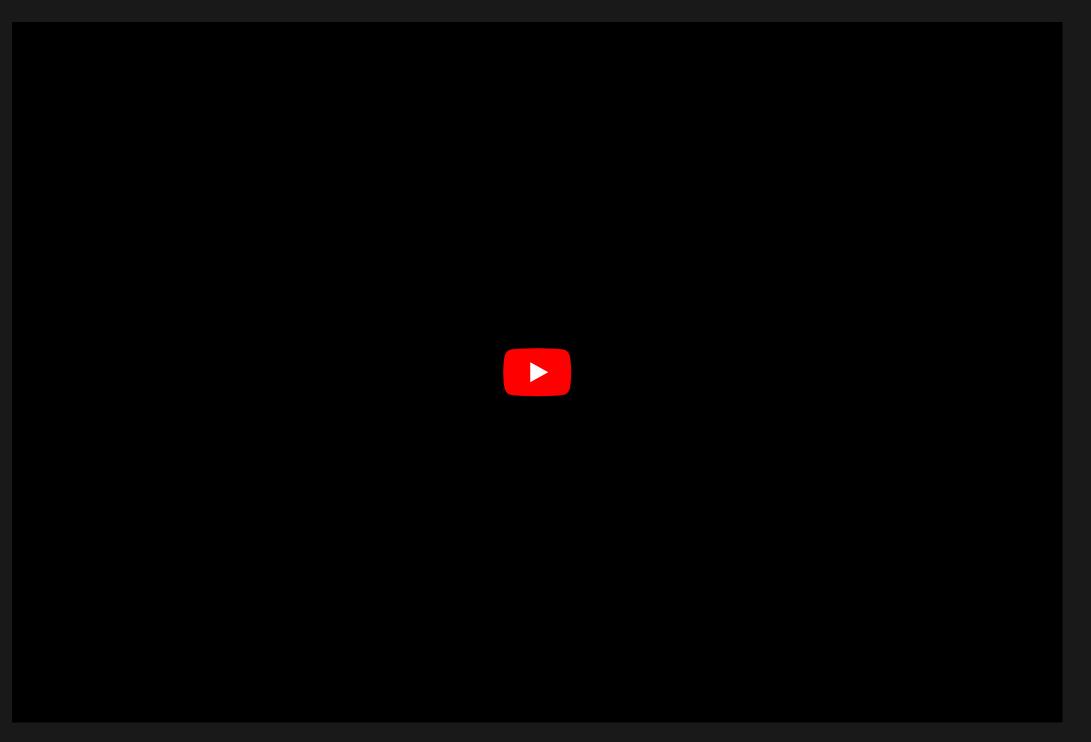
(Forestry) Applications of GIS

University of Montana

WA Franke College of Forestry & Conservation

## (Mis)Placing things

- Understanding the Global Positioning System(s)
- Placing things with ArcGIS Field Maps



### How is GPS changing the world?

- In 2008, only 8% of US used GPS on Mobile Phones
- From 2010 to 2014, GPS production went from 500 million to 1.1 Billion
- By 2014, 81% had adopted Mapping Apps
- By 2022, over 7 billion GPS chips were manufactured!

A new[^] data collection tool from ESRI

[^]: Sort of a re-brand, really...

Step 1: Install the ArcGIS Field Maps app





Step 2: Create a map on ArcGIS Field Maps Designer https://www.arcgis.com/apps/fieldmaps/

- Sign in with our ArcGIS Organization's URL: umontana.maps.arcgis.com
- Follow with you UM NetID credentials
- Select + New Map to start a new map
- Build layers first, then configure forms

Step 3: Access your map from the Field Maps app, and start collecting data!

- Sign in with our ArcGIS Organization's URL: umontana.maps.arcgis.com
- Your maps should appear in your app (pull down to refresh)

Your family and/or non-Griz friends miss you! Create a map that shares what you enjoy about the University of Montana Campus.

1. Create a map in Field Maps Designer titled "My Griz Life"

- 2. Create a layer to map out your activities around campus
- Develop a simple form
- Consider using a Choice field (Combo Box or Radio Buttons) for different types of activities (e.g., Academics, Extracurriculars, Food)

- 3. Start collecting data!
- Consider adding photos or other attachments to help illustrate your life
- Be mindful of content!

  Please don't share anything you wouldn't want your grandmother (or me, or others) to see

- 4. When you are done collecting data, share your map with the **Applications of GIS Spring 2024** group on ArcGIS Online
- Join the group<sup>1</sup> by clicking Groups in the top menu bar, then My Organization's Groups on the right. Search for Applications of GIS, and click Join Group on the bottom left.
- Share by 2:00 PM on Tuesday, February 13 for 10 participation points

#### QUESTIONS?