LAB 1

• Lab particulars

• 6 Cs

• Lab 1 assignment

• Resources

Login with A# and USU user password
Shannon Belmont
Office: 270H BNR
Office hours: by appointment or stop by anytime during the week

Email: swb.in.ut@gmail.com
      shannon.belmont@usu.edu
      message via Canvas
Lab Particulars

Lab accounts
• A# and USU user password
  • Admin privileges
  • User profile
• Data saved to profile will slow down log-in process over semester
• Recommended to work on USB drive
• REALLY recommended that you use your own computer

Lab attendance is not required

Communication via Canvas

Issues? Troubles? Questions?
• Course website
• Lab
• Forum
• Online resources: ESRI, Google, etc.
and…

Lab submissions

Labs are due before start of lab the following week

Submit URL to Canvas

Lab Schedule:
*Intense* (and gets more aggressive as semester progresses) and
*unforgiving* (i.e. keep up)

Late labs will be graded ferociously

ArcMap crashes. Data can be glitchy.
Build these realities into your schedule.
Lab 1 - ArcGIS Refresher

Instructions for Lab 1

Download a zipped data folder for Lab 1 here.

Upload URL for your website by start of lab next week.

Point breakdown:

- Maps 100 pts
- Website 70 pts
- Write-up 30 pts

See Lab 1 rubric (below) for grading details.

<table>
<thead>
<tr>
<th>Lab 1</th>
<th>Ratings</th>
<th>Pts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maps: Layers displayed correctly</td>
<td>This area will be used by the assessor to leave comments related to this criterion.</td>
<td>20 pts</td>
</tr>
<tr>
<td>Maps: Clear purpose with effective title and/or caption</td>
<td>This area will be used by the assessor to leave comments related to this criterion.</td>
<td>15 pts</td>
</tr>
<tr>
<td>Maps: Legend descriptive and well-edited</td>
<td>This area will be used by the assessor to leave comments related to this criterion.</td>
<td>10 pts</td>
</tr>
<tr>
<td>Maps: Consistent (font, symbols [with Google map], units, etc.)</td>
<td>This area will be used by the assessor to leave comments related to this criterion.</td>
<td>10 pts</td>
</tr>
<tr>
<td>Maps: Effective symbology</td>
<td>This area will be used by the assessor to leave comments related to this criterion.</td>
<td>10 pts</td>
</tr>
<tr>
<td>Maps: Meaningful spatial context (locator, north arrow, scale bar, etc.)</td>
<td>This area will be used by the assessor to leave comments related to this criterion.</td>
<td>10 pts</td>
</tr>
</tbody>
</table>
Lab 1 Assignment

- Make a great map
  - Embrace the 6 C’s of good GIS-ing & map making

- Build a great website
  - Get comfortable managing your web pages
  - Apply the 6 C’s to your website

- Populate Lab 1 child page with maps and write-up
Lab 1

Correct
Convincing
Context
Consistent
Concise
Colorful
Creative
Composition
Cartography
Compelling
Think of write-ups as tools to supply context and convince your audience that you are a competent and professional GISer.

Intro, methods, results, discussion, references
Instructions on how you too can connect to the Utah AGRC SDE vector geodatabase are found here.

Create a shapefile of the rupture from provided coordinates

Because I was only given a coordinate of the rupture, I must next convert this into a shapefile so that it can be displayed in my maps. The process of doing this is outlined below:

- enter the coordinates into an excel spreadsheet (example seen below), with one column for the easting (433321.82m) and one column for the northing (4512098.775m)
- also throw in a column that pertains to the details of what the coordinates are
- add the table to arcmap (yes you can add tables, not just shapefiles and images!)
- once added, right click on the table and click on Display XY Data
- fill out the table, X Field = easting, Y Field = Northing
- make sure the coordinate system is the same as the map you want it in, in this case NAD83 Zone 12N
- click okay
- now export this event layer to a shapefile – and voila you have a shapefile from coordinates
This is a demo page for WATS 4930/6920.
Lab 1 Assignment

Upload URL to Canvas

Due: Next week (Jan 15-18) before lab
Questions?