

THE SITUATION

Who's asking for help

- Faculty and students
- For publications or class assignments
- All subject areas, science, social sciences and humanities

Not heavy traffic, but those that need help, need a lot of it

- Fundamentals of geospatial literacy
- Software training (ArcGIS Pro or ArcGIS Online)
- Most begin with 'I need to make a map', only a few looking to do geospatial analysis

The library's GIS team

- 2 people; data services librarian and science & engineering librarian (geography liaison)
- Both with GIS experience and training

INITIAL ATTEMPTS TO HELP

Always glad to work with individuals over email or consultations

Workshops

- After seeing the need for instruction of some kind
- Very low attendance
- Created guides on making maps in ArcGIS Online



LibGuides

- Posted the workshop materials online
- Quickly point people here when they requested help, so they could start before we met with them
- Fulfilled the 'how to use the software' component of the need

Just like reading makes you a better writer, it's hard to make a map if you haven't seen and analyzed too many examples

THE UNDERLYING PROBLEM

Generally talk through what we see

Point out common features

A NEW APPROACH TO HELPING

Map show-and-tell

Include map reading skills

Showcase the diversity of maps

Explain that maps are communication pieces

Maps should be tailored to the intended audience

WHY YOUTUBE VIDEOS?

Canvas is capable of more robust learning materials...

We tried a set of Canvas modules for easy to use, asynchronous, learning materials for research data management – was not as successful as hoped

Based on feedback from these modules, we aimed for more foundational skills, in an open accessible platform, YouTube - much more success here at Miami and beyond

YouTube also has great usage stats for analysis



Walking someone through a database or a software program isn't the same as talking through a map

SCREEN CAPTURE ISN'T GOING TO HELP,
SO WE NEED A NEW METHOD TO MAKE THESE VIDEOS

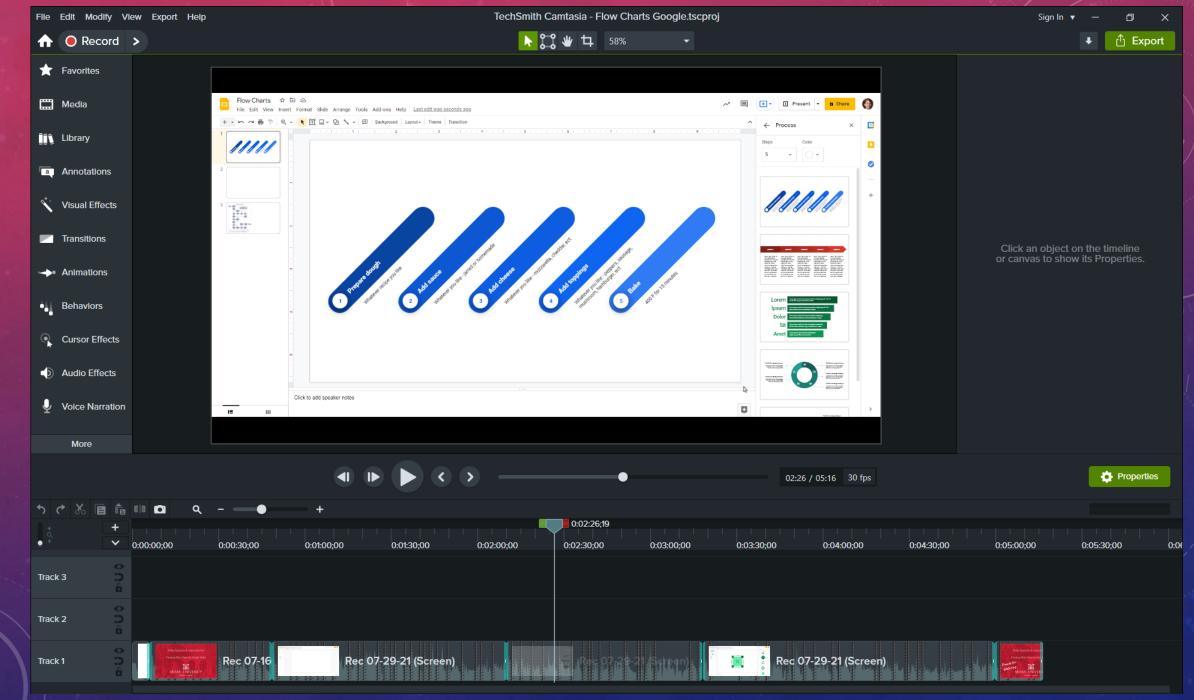
VIDEO CREATION PROCESS

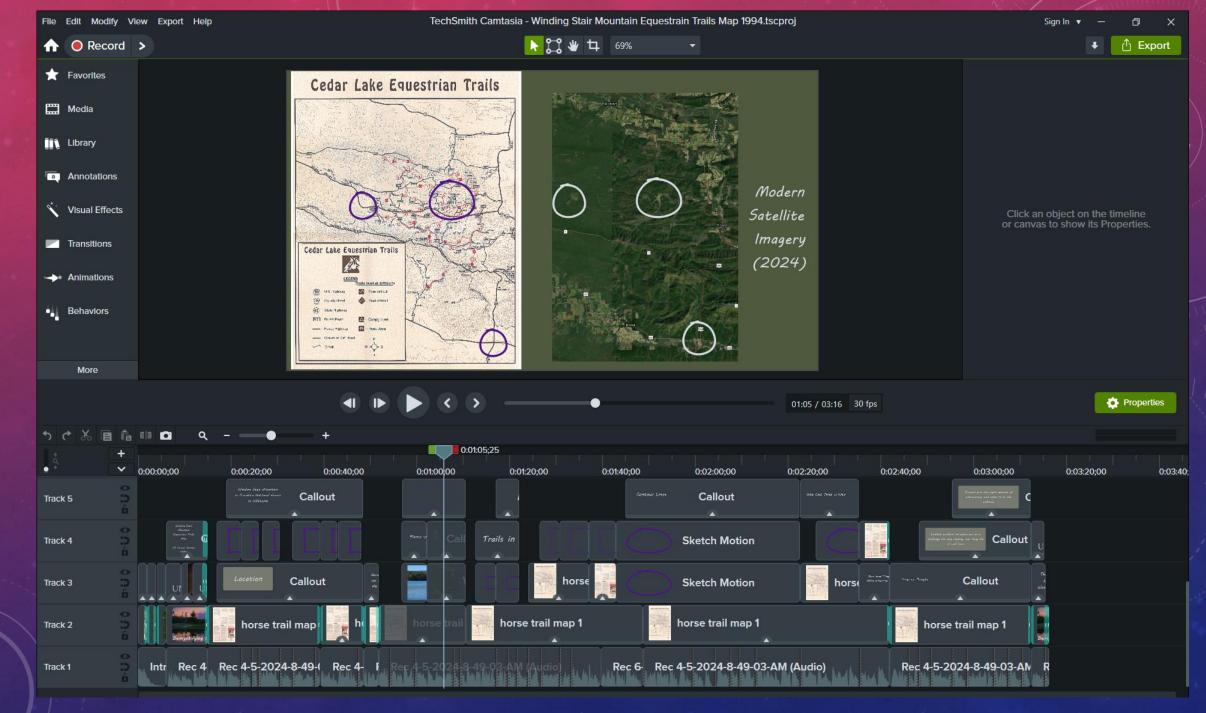
Previous method (software or database tutorial)

- 1. Outline, not script
- 2. Simultaneously screen capture with voice
 - Most time intensive
- 3. Edit video
- 4. Add to YouTube
- 5. Edit captions

New method (map walk-thru – and more)

- 1. Obtain the map, and other images
- 2. Write the script
- 3. Record audio
- 4. Edit video
 - Most time intensive
 - Need to make what's happening on screen engaging
- 5. Add to YouTube
- 6. Edit captions





THE SERIES SO FAR...



Arisoa Coffee Trading Cards of U.S. States and Territories



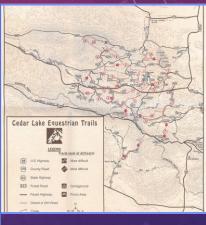
Ohio Counties 1823



Nebraska State Highway Map 1996



National Historical Park, Boston, 1991



Winding Stair Mountain Equestrian Trails Map 1994

SOME TAKE-AWAY MESSAGES

Variety of maps, and talking points, was intentional

Things, and places, change over time

Maps should be tailored to the intended audience and need

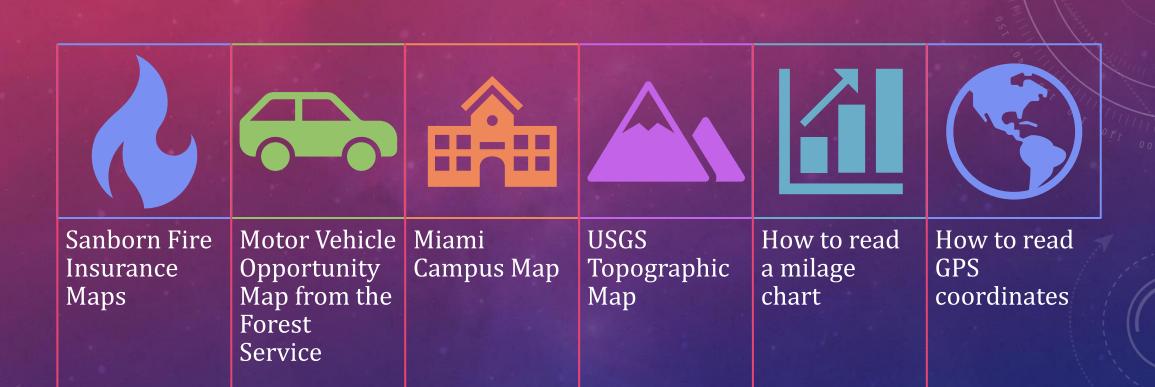
So many map maker choices, even minor ones make a difference

Standard features and symbology

Sometimes map reading involves some 'detective work'

Maps can just be for fun

MORE VIDEOS IN PROGRESS...



MEASURING SUCCESS

Still too early to determine, just created this year

Videos are added to the Maps

LibGuide

They are open educational resources for anyone to use

While educational, they are also entertaining too

THANKS FOR LISTENING

Feel free to reach out to Kristen Adams at

adamsk3@miamioh.edu

The video series can be found at: https://www.youtube.com/@mulibraries



Miami's Oxford campus at night
Photo credit: Miami University