Geospatial Glossary: Maps, Apps, and Websites in Summary

Smartphone Apps:

AllTrails

- Map based. Allows user to collect tracks/routes as well as waypoints
- Can take photos and brief descriptions at waypoints
- Allows for offline data collection, cached basemaps (no internet or cell service required)
- Includes free online storage of tracks and data as well as basic web mapping tools
- Allows for data export
- Free!
- Website: https://www.alltrails.com/

Epicollect5

- Form based. Allows user to collect data at waypoints, but not collect tracks/routes
- Requires field form to be created before collecting data
- Form can be kept private or made public for multiple people to collect data
- Allows offline data collection (no internet or cell service)
- Includes free online storage of form responses, including photographs and video
- Web hosted data, basic visualization tools, allows for data export
- Free!
- Website: https://five.epicollect.net/

Websites:

Natural Resources Conservation Academy

- Home base for all three NRCA programs
- Provides information about programs, schedule and application details
- Gateway to helpful resources, links to content and community forum
- Website: http://nrca.uconn.edu/

NRCA Story Map

- An ArcGIS Online "story map" – interact with media, maps and narrative describing NRCA projects completed by past participants
- Describes the geospatial technology and tools used to enrich project work
- Website: http://s.uconn.edu/nrcastorymap

Connecticut's Changing Landscape Story Map

- A study of land cover change in CT from 1985-2010, created by UConn CLEAR
- An ArcGIS Online "story map". Allows users to click through interactive maps, charts, images and videos about the changing land cover in Connecticut
- Website: CLEAR story map gallery clear.uconn.edu/storymaps
  Or directly at s.uconn.edu/ctstory

More Websites:

Google Maps – Google My Maps

- Serves several purposes, in context of this workshop as a map making tool!
- Go to https://www.google.com/maps > Sign in > Menu > Your Places > Maps > Create Map
- Allows user to import data (csv for Epicollect5 and gpx/kml for AllTrails)
    - Symbolize data and create map
    - Invite and collaborate on maps
    - Embed maps or share link to map through social media and email
- Website: https://www.google.com/maps/about/mymaps/

CT Environmental Conditions Online (CT ECO)

- CT ECO is the collaborative work of DEEP and CLEAR to share environmental and natural resource information with the public
- Includes many online maps and tools for viewing Connecticut's environmental and natural resources
- Can "connect" to web map services (data layers) in ArcGIS Online and other web mapping tools.
- Website: http://cteco.uconn.edu

ArcGIS Online

- Requires a free ArcGIS Online Public Account or Organizational Account ($$)
- Basic and professional tools for creating customized web maps
- Can search for public domain data layers, import CSV files (Epicollect), GPX files (AllTrails) or KML files (also AllTrails).
- Users can also create new data or import GIS data layers.
- Can connect to "map services" from CT ECO and other sources.
- Can collaborate with other ArcGIS Online users
- Share maps, embed on website, create web applications and story maps

UConn CLEAR

- CLEAR stands for Center for Land Use Education and Research at UConn
- Consists of four program areas: Water, Land Use & Climate Resiliency, Geospatial Tools & Training, and STEM Education & Local Conservation
- CLEAR created the Connecticut's Changing Landscape story map and CT ECO.
- CLEAR faculty is very involved in NRCA programs
- Website: http://clear.uconn.edu