GPL Monthly Meeting
December 12, 2023
Scribe: Cassidy Wood, OSFM

1. Roll Call and Introductions
    a. DAS GEO: Melissa Foltz, Rachel Smith, Willow Crum, David Mather
    b. Business Oregon: Melanie Wadsworth
    c. DHS: Arron Heriford
    d. DLCD: Tanya Haddad
    e. DOGAMI: n/a
    f. DOR: Thom York, Phil McClellan
    g. DSL: Randy Sounhein
    h. ESRI: Chris Marsh
    i. INR: Myrica McCune
    j. LPRO: Ariel Low
    k. ODA: Diana Walker
    l. DEQ: Malavika Bishop
    m. ODF: Arthur Rodriguez
    n. ODFW: Jon Bowers
    o. ODOT: Phil Smith
    p. ODEM: Alex Petzold
    q. OHA: n/a
    r. Parks and Rec: n/a
    s. OSFM: Cassidy Wood
    t. OSMB: Joe Severson
    u. OWEB: n/a
    v. OWD: Bob Harmon
    w. OGIC TAC
        i. Coordination with TAC or Tom Elder/TAC Chair didn't occur. TAC members were not notified of the joint GPL/TAC meeting.
2. Announcements
    a. Daniel from OEM will be Chair of GPL starting in January.
        i. DLCD is the next agency on the agency rotation list for serving in a leadership role on GPL. Vice-Chair person needs to be identified – deferred being the chair for a year.
    b. Chris from Esri:
        i. On Jan. 8 the imagery team will be in Salem, so anyone can meet with them (i.e. for drone program, image data mgmt., image servers, etc.) Reach out to Lacey Summers or Chris Marsh.
        ii. Also, the experience builder workshop will be in Esri Portland office on Wed 23rd. Registrations will be sent out. Will be an advanced workshop.
    c. John Bowers: The ORURISA/ASPRS GIS in Action conference early abstract submission deadline is on Jan. 5. The conference is on April 30 and May 1 in Portland. More info on ORURISA site.

3. GEO/OGIC Update - Rachel Smith, GEO
    a. Esri EA renewal conversations continue. Technical meeting with Chris Marsh Dec. 13 at 1pm. It's a follow up to hear from Chris and allow for Q&A. Will be about AGOL user types/roles (and how those apply to Esri apps) and an Insights demo/discussion because Insights is not currently widely used.
    b. Website redesign for GEO continues. Framework theme pages were removed because they moved to GEOHub.
    c. UC registration is open. Digital access is available for $99.
        i. EA ends at end of June, UC is in July. GEO working to ensure registration will go smoothly given the EA expiration date.
        ii. DAS has 14 complementary passes. Email David Mather if you intend to register. They are first come first serve.
            1. Can't use your AGOL account to register. Will have to make a new Esri Events account with a new password.
    d. Email is already out for dev summit registration.
4. Views on Data Management in ArcGIS Online - Ariel Low, LPRO
    a. Review hosted feature service settings
        i. The settings tab doesn't exist for sublayers in a hosted feature service. You can control some sublayer settings (like manage geometry editing) but may want to separate them into their own feature services to have more control. Most other settings are set at feature service level.
        ii. Setting the extent: can use preset, organization extent, based on features, or draw extent if all the features aren't created yet.
            1. Extent matters b/c AGOL and Hub have location search now.
                a. New Hub search is becoming default on Jan 9.
        iii. Editing settings
            1. Use lowest necessary permissions for users.
            2. Track who edited the data – only shows last edit – no way of knowing who made previous edits.
            3. Intersection of settings, sharing, and privileges. Who can edit: there has to be editing enabled on feature service + shared w/ the person + they have a privilege associated w/ their role, or they have to be a data curator/admin.
        iv. Keep track of changes to the data
            1. Different from editor tracking b/c it's more like archiving.
            2. Necessary for hosted tile layer generation and some Power Automate/webhook connectors, i.e. to auto notify users when the data has been updated. Can be used for custom development.
            3. Expands size of feature service
                a. Manage size of change log – appears in settings after you save changes. Lets you choose how many days of changes to keep in the log. Keep an eye on layer size.
        v. Enable sync for offline use and distributed collaboration but not partnered collab.

1. Expands size of feature service – don't want to cut down the size of the change log if people have un-synced edits.
vi. Optimize layer drawing = increase performance at small or med scales.
   1. Most useful for features w/ many vertices.
   2. Uses additional storage space.
   3. Alternatives: simplify features before publishing, or publish tiled data.
   4. Don't publish super high vertex data – causes portal issues.
vii. Spatial and field indexes
   1. Spatial index is auto created. Improves performance of spatial queries. Update when features are added outside initial extent.
   2. Field indexes: some are pre-created, but you can create new ones to improve performance, such as w/ large datasets.
   3. Enabling export enables download. When disabled, only item owners see the export data option on the layer. Can't disable file download type (i.e. SHPs)
viii. Demo
   1. Note: cache control is disabled when editing is enabled
b. Benefits of hosted feature service views
   i. Create different views of the data for different people. Can differ in symbology, item details, capabilities, definitions (show/hide fields/ features), sharing.
   ii. Makes data updating easier.
   iii. Can do more w/ views than by registering the service URL – that only allows u to change symbology and item details.
   iv. Demo
   v. More complex ways to make views:
      1. View definition in the admin API (edit service URL). Useful for top filter (i.e. showing only most recent data).
      2. Joined views: 1:1, 1:many, left, inner. Pros: data mgmt. Cons: on the fly, can't make schema changes once joined, read only, online only.
      3. Views of the ArcGIS world geocoder: can limit geography and type of locations returned.
c. Configuration for public viewing
   i. CDN = content delivery network
      1. Access public layers through CDN to reduce load on server and databases. CDN is districted and cache mirrored, so data is closer, better performance for users.
      2. Cache control settings: controls how often cache is updated: longer time = better performance but slower to get data updates.
      3. Mapping and apping for scalability
         a. Disable editing. No dynamic or relative time queries/filters. No dynamic extent queries like info summary widget.

    b. Can check a configuration to see if queries are hitting the CDN using dev tools.

   ii. Swap layers in views

    1. Instantaneous data updates, consistent URL, preserves symbology and popup configuration. Can edit layer behind the scenes and swap it out, don't have to overwrite the public layer, and can swap back to the old one.

    2. Demo

 d. Organizing content

   i. Categories are new. 3 types: organization (high level, created by admin), group (created by group managers), and member (created by admin – can do bulk transfer of content, assign group memberships, etc.) Anyone can change content.

 e. Contact: ariel.low@oregonlegislature.gov

5. Framework Update - Melissa Foltz, GEO

 a. Next forum will be in Astoria. Send Melissa Foltz ideas for topics.

 b. FIT lead: If you are participating in a theme, now is time to participate in meetings, not enough engagement.

 c. January = another OGIC mtg. Agenda will incl. updates on framework program charter and performance measures that align w/ OGIC's strategic plan.

 d. End of January: RFP update

6. GPL-TAC Roundtable

 a. DLCD: Working on GIS related pop. Coastal Marine FIT update: 2 active workgroups, 1 working on prior data development grant for remote sensing kelp/eelgrass, other scoping new NOAA funding on shore zone data product. Reach out if interested in shore zone data.

 b. Revenue: Wrapping up GPL Chair duties. Ongoing GIS modernization. Esri convo: if using Pro 3.x residing in Enterprise 10.9.1, annotations are not editable.

 c. State Lands: Pro 3.2 across agency, no longer using ArcMap.

 d. INR: Seeking input on creating a detailed process for data mgmt., documenting steps, linking products with their code, etc.

 e. LPRO: Did a business analyst infographic deep dive, reach out to her for info.

 f. Esri: Tiffany still wants to do the presentation for GPL at some point; not available today as planned (out sick).

 g. ODA: Strategic planning extended through January b/c of new director and IT people. Using field maps. Naming conventions for SQL database.

 h. DEQ: Seeking input on connecting Survey 123 to SQL Server database.

 i. ODFW: Framework grant on hold. Leverage contractor data? Massive hydro standard issues. Filled conservation GIS analyst position.

 j. OHA: Environmental public health GIS analyst position closed yesterday. 10 days, 50 applicants.

 k. Oregon State Marine Board: New map for the Outfitter Guides Program https://experience.arcgis.com/experience/18f42df93f474cc2a58d79a4672d3ce8

7. ArcGIS Workflow Manager - Tiffany Weintraub, ESRI

       a. Skipped b/c Tiffany is out today.
8. Adjourn