SDRGC Meeting Notes: January 2017

SANDAG/USGS GEONEWS:

USGS Contact Information:

- Drew Decker
- Email: ddecker@usgs.gov
- Phone: 619-225-6430

USGS 3D ELEVATION PROGRAM (3DEP) UPDATE

- USGS has the 3D Elevation Program (3DEP) to support generation of new elevation data across the country. A new FY16/FY17 Broad Agency Announcement (BAA) has been opened with the first round of proposals due October 2016. The BAA solicits proposals for the generation of new elevation and requests for matching federal funds. This is the third round of funding for lidar through 3DEP. Last year, program funds were provided to add to those from San Diego County and SANDAG to generate lidar for the eastern portion of San Diego County. This project is now underway. Details on 3DEP can be found on the program's website here: http://nationalmap.gov/3DEP/
- USGS will host a meeting (and webinars) next month for interest in new lidar in the Mojave Desert, related to seismic hazards and other applications. Lidar has been underway in Los Angeles County and delivery to USGS is expected next month. Other new lidar projects are getting underway in northern California (Mendocino and Bay-Delta areas).
- LIDAR Update (USGS, NOAA, USACE): USGS, NOAA, and USACE funded an interagency effort to survey the entire Pacific Coast from the Mexican border north to Canada with lidar to document the topography of West Coast beaches when they are at or near minimum sea levels because of El Niño-driven erosion, so scientists can then track subsequent changes. The flight extent is a 500m wide swath beginning just seaward of the water's edge. Data were collected last April; the data were reviewed by USGS and some final corrections surfaced last week which will take another two weeks before the data are made available through NOAA.

TRIBAL EXCHANGE NETWORK CONFERENCE

Dates: February 28, 2017 – March 1, 2017

Location: Alpine, CA

Description/Notes: Depending on abstract acceptance, I may be giving a presentation on NHD and Carol Ostergren may be giving one on 3DEP. Exchange Network events have their roots in EPA-related requirements and will attract folks working in environmental data exchange. Info at: http://www.tribalexchangenetwork.org/

- NAIP (from Marie Kennedy). CA Dept of Fish & Wildlife is now serving NAIP 2016 (rgb), 4-band, CIR, and NDVI. The server URL is https://map.dfg.ca.gov/arcgis/rest/services under "Base_Remote_Sensing." USDA will have the CA data under its national service (https://gis.apfo.usda.gov/arcgis/services). 2016 CA is not available yet but it should be later and this service has NAIP for other states.
- CA Department of Water Resources is the new NHD stewardship coordinating group for the state.
  - Primary Contact Info
    - Jane Schafer-Kramer
    - Email: Jane.Schafer-Kramer@water.ca.gov
    - Phone: 916-653-4441
  - Individuals interested in learning about contributing to NHD in a stewardship capacity can contact Jane Schafer-Kramer or Drew Decker (USGS).

SANGIS GEONEWS

- County Assessor's Office
  - New attributes available in parcel data, including number of bedrooms, bathrooms, and pools.
  - Attribute data available via data published to Regional Data Warehouse (www.sangis.org)
  - Uniform data availability to the public, local jurisdictions, SanGIS JPA members
- SanGIS Regional base map
  - Available as a service or export
  - Updates published monthly
  - SanGIS finalizing scripts and update interval. Announcement will be made when implementation is complete.
- Open Street Map
  - A couple of applications are offering Open Street Map as the basemap for San Diego County.
  - Recent review by SanGIS revealed that Open Street Map data is incomplete and in some cases out-of-date by many years. SanGIS advises against using Open Street Map for online mapping applications, web maps, etc.
- Data/Content
  - Three (3) new subtypes added to Open Space Easement layers.
  - Jurisdictions encouraged to report additions, modifications, or deletes that should be made to the layer. Updates can be submitted to SanGIS via email or SanGIS Online Forum.
  - Regional Data Warehouse (usage statistics): file download every 5.7 minutes when averaged out over a 24/7/365 time period.

IMAGERY WORKING GROUP

- The SanGIS Board of Directors approved the contract with Pictometry for ortho and oblique imagery collection and the contract was signed December 29, 2016. A kickoff meeting is being held with

Pictometry the week of January 15th at which time a schedule will be developed. Imagery is still expected to be flown in March 2017. All participants will be receiving quotes from SanGIS in order to issue purchase orders. Brad requested prompt attention to issuing the POs so that funds can be collected in the fiscal year that they are available.

The imagery project now consists of 31 regional partners including all but one of the incorporated cities in the County, and federal, state, regional, local and tribal governments. Costs will be below original low estimates, and deliverables will cover more area than originally anticipated. At present the project is on time, under budget, and over performing on scope. Another great example of SDRGC cooperation.

SANDAG GEONEWS

LIDAR ACQUISITION FOR EAST COUNTY

- Quality Level-2 LiDAR, 2' contours, 2.5' x 2.5' DEM
- Local 2014 data, FEMA 2015 data, and current (2016) DEM data will be used to create a continuous contour layer covering the San Diego County.
- Final acceptance of USGS data: currently on-schedule for December 31, 2017

PARCEL LOOKUP TOOL

- Migration/upgrade in progress
- Enhancement: "Select and Ship" tool for parcel export to Shapefile, GDB, and CAD formats.
  - Potentially helpful for CAD users to use parcels as an input for CAD
- SANDAG Geographic Boundary Viewer: Data and functionality to be consolidated into one application.

SERIES 14 LAND USE

- Outreach to local jurisdiction Planning Departments under way
- Request updates to Development types, Land Use types, Land Inventory, etc.
- SANDAG point of contact: Rachel Cortez

REGIONAL BIKE MAP

SANDAG point of contact: Becca Grover

Reach out to regional transportation personnel for updates to regional bike map.
- SANDAG to roll out crowdsource application to accept local agency updates.
- Data currently available should match assets on the ground now.
- 'Future' bike map data will be sourced from bike master plan for each jurisdiction
- Updates will be made available via SANDAG Interactive online map.

OTHER SANDAG GEONEWS

- Public-facing geocode service available from SANDAG
- Gauging interest in the formation of a SDRGC Geocode Working Group. Pat will follow-up with interested parties.

PRESENTED BY: RUSSELL MERCER, GIS ADMINISTRATOR, CITY OF IMPERIAL BEACH

This presentation focused on solutions for limited-resource environments, including applications of open source GIS, data assessment options, and integrating alternative providers.

For more information about the presentation by City of Imperial Beach, contact Russell Mercer, GIS Administrator.

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SDRGC Attendance January 11, 2016

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