

SDRGC Meeting Notes: July 2017

July 5, 2017, 9:00 am - 11:00 am

Hosted by City of San Diego Pure Water Demonstration Facility
4949 Eastgate Mall, San Diego, CA 92121

USGS GEONEWS

USGS has the 3D Elevation Program (3DEP) underway to support generation of new elevation data across the country. There are several projects supported by 3DEP in different stages of LiDAR production:

- LiDAR is under production for eastern San Diego County. This will align with LiDAR produced for the western part of the County in 2014 and with LiDAR generated in 2015 for FEMA in the central part of the County. This project recently delivered a pilot project to USGS which was reviewed and approved. Data should be delivered to USGS by end of September but judging by the last progress report, it may be ready before then. A new progress report (for June) is due anytime now.
- New LiDAR for Los Angeles County has also been underway and has now been delivered to USGS where it is under review. There are also new LiDAR projects getting underway in northern California. Southwest Mendocino County (collecting now) and Sacramento Delta LiDAR (starting in 2018 due to flooding).
- USGS will release the next 3DEP Broad Agency Announcement for elevation funding probably sometime late this summer. There will be national informational webinars tentatively scheduled for August 10 (1:00 PM EDT) and August 17 (3:00 PM EDT).
- FEMA is planning new LiDAR for eight different areas of interest in Arizona and California. The nearest one in California to San Diego is the Salinas Watershed in Monterey and San Luis Obispo Counties.
- Outside of 3DEP funding, USGS has a new LiDAR project planned for the Mojave Desert which will get underway shortly. The agency is using Science Application for Risk Reduction (SAFRR) funds over two sites (Pinto Mountain Fault Zone and a region between Fort Irwin and Twentynine Palms) for seismic hazards studies and other applications. The project will also include polygons covering northwestern Joshua Tree National Park and a smaller region in Los Angeles County for landslide risk assessment. Total project extent is about 1,200 square miles at quality level 1.

Another non-3DEP LiDAR project now has data available. NOAA, USACE, and USGS funded an interagency effort to survey the 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 several hundred meter wide swath beginning just seaward of the water's edge. This is similar to the USACE Joint Airborne LiDAR Bathymetry Technical Center of Expertise (JALBTCX) LiDAR gathered periodically. Data were collected in April 2016 and have just been released. I have a copy of the data locally and it is available on the NOAA Digital Coast site.

CA Department of Water Resources is the new NHD stewardship coordinating group for the state. The primary point of contact is Jane Schafer-Kramer (Jane.Schafer-Kramer@water.ca.gov, 916-653-4441). Anyone interested in learning about contributing to NHD in a stewardship capacity can contact Jane (or

Drew at USGS). Aside from the state's efforts, we also have an NHD data update project underway with the Los Angeles County Department of Public Works.

Conferences – At the 2017 CalGIS Conference last month in Oakland, Carol Ostergren (USGS National Map Liaison for Northern California) presented on the 3DEP program and Drew presented on the National Map Corps (which is our crowdsourcing program to collect data on selected structure types). The California NHD program (managed by DWR) also gave a presentation on their work (assisted by CSU - Northridge).

At the Esri UC, Drew presented on the NHD, 3DEP, and Watershed Boundary Dataset (WBD).

For questions or further information: Drew Decker, ddecker@usgs.gov , 619-225-6430

CA GIS COUNCIL GEONEWS

CA GIS Council quarterly was held on Jun 8, 2017

Main discussion concerned Open Data Portal roundtable:

- Steve Goldman with CDFW on their BioSystem, <https://www.wildlife.ca.gov/data/BIOS> which uses ArcGIS & SQL Stack with prioritizing findability via search.
- Nate Roth w/Dept of Conservation, <http://maps.conservation.ca.gov/> involving hosting their data with links finable through AGOL and notes that JQuery to be exceptionally helpful for data list.
- Russell Slatton with BLM CA office on their Navigator Portal, <https://navigator.blm.gov/home> , as well as “Landscape” Approach for National data, <https://landscape.blm.gov/geoportal/catalog/main/home.page>
- Mark Greniger w/LA County both GIS Portal, <http://egis3.lacounty.gov/egis/> which is WordPress-based, noted for ease of finding data through search as well as social media integration) and regular Open Data portal, <https://data.lacounty.gov/> which is Socrata-based, noted built-in connector to daily pull all tabular info from ArcServer as well as spatial lens option to use polygons for spatial join responses on available tabular data.

Working Group updates:

- Emergency Management Working Group reminder on CalOES meeting during Esri. Also note Bay Area UASI recent outreach event output developing and emergency state-wide GIS backup 1TB external drive due to Oroville Dam findings.
- Next-Generation 9-1-1 comment that CHP may be working on a state-wide Public Safety Answering Point (PSAP) response area layer
- National Hydrography Dataset working group draft charter will soon be available on CA GIS Council website

General Announcements:

- Southern California Coastal Water Research Project (SCCWRP) released their every 5-year Regional Monitoring Data on their open data portal available at <http://www.sccwrp.org/Data/SearchAndMapData/DataCatalog/Bight13Survey.aspx>
- DWR Data Science Symposium, http://www.waterboards.ca.gov/resources/data_databases/wq_science_symposium.shtml

SANGIS GEONEWS

Council District Updates: In the past SanGIS has maintained a layer called COUNCIL_DISTRICTS that showed the council districts for the City of San Diego only. There are now five cities in the County that hold council elections by district and more are expected in the near future. As a result, SanGIS has updated the COUNCIL_DISTRICTS layer to show council districts for all cities that hold election by district. Additional cities will be added as their district elections and boundaries are approved.

Stream/River Layer Changes: As previously threatened, SanGIS has removed the older and outdated streams and rivers layers from the Regional Data Warehouse. These have been replaced by two new layers: FLOWLINES and FLOWLINES_CARTO. The FLOWLINES data is basically the NHD flowline dataset for the water courses impacting San Diego County. FLOWLINES_CARTO is a SanGIS-modified subset of the FLOWLINES data depicting the major water courses in the County and is intended to be used for cartographic purposes only. That is, it is not suitable for analysis. Any suggestions for changes to the carto layer are welcome. Just send comments to Brad or to webmaster@sangis.org.

Tax Rate Area Updates: The Assessor closed the tax roll on June 16th and is working on the annual updates to the Tax Rate Areas (TRA). This includes updates to the municipal boundary and various district layers including any annexations or detachments that were approved by the State and LAFCO. SanGIS will publish the new layers once they've been received from the County and will notify all jurisdictions when they are available.

SanGIS turned 20 years old on July 3, 2017!

For questions or further information: Brad Lind, blind@sangis.org , 858-874-7020

SANDAG GEONEWS

- Completed Land Inventory System (SPACECORE) updates. Updated Land Use layer will be available in the RDW soon.
- LiDAR project progressing on schedule
- Created new Railroads layer for the Southern California region. Includes passenger and freight rail service names, operators, ownership and track types. Will be available in the RDW, and a REST service has been published at <http://gis1.sandag.org/sdgis/rest/services/Transportation/Railroads/MapServer> Old "RAILROAD" layer will be removed from RDW.
- SD2014 and FEMA2015 DEMs published as Image Services:
<http://gis1.sandag.org/sdgis/rest/services/Elevation>
 - SD2014 Contours published as a service:
http://gis1.sandag.org/sdgis/rest/services/Elevation/SD2014_Contours/MapServer
 - FEMA2015 will be published shortly. Working on a web app with Select-and-Ship functionality for DEM tiles and contours, with export to CADD included.
- Executed the contract with Pictometry for the creation of regional building outlines. Work will commence as soon as the imagery acquisition project is complete. Estimated 6-month timeline.

- Major Roads update – recently completed project SR-11 and SR-76. Also, focusing on areas outside of county, particularly Orange County.

For questions or further information: Pat Landrum, Pat.Landrum@sandag.org , 619-595-5602

WORKING GROUP UPDATES

IMAGERY WORKING GROUP – BRAD LIND, SANGIS

Capture of all 4", 9", and oblique imagery is essentially complete except for a couple of areas that needed to be reflown and a portion of Camp Pendleton that is waiting for air traffic control approval. Early access imagery is in the ConnectExplorer application as it becomes available. Pictometry is slightly behind schedule on the capture but has expressed confidence that the time will be made up in the image processing so that final deliverables are available on-time in early Fall.

A reminder that access to ConnectExplorer is available to all project participants at this time. Partners in the oblique capture option can administer their own user accounts. Orthoimagery only accounts should contact Louise at SanGIS to have users accounts created. Thanks to Pat Landrum at SANDAG for making a number of GIS services available on the ConnectExplorer application. Parcels, roads, and ABC licenses should be available to all users or sub-orgs. Address points are also available for search only. Additional layers can be added and SanGIS will be polling users on desired changes once the end of fiscal year/start of fiscal year chaos has subsided.

The City of El Cajon has joined the oblique capture portion of the project which will result in additional oblique imagery in East County.

GEOCODE WORKING GROUP – PAT LANDRUM, SANDAG

- Held kickoff meeting at the end of April. Very good attendance and a high level of interested
- Key action item was to perform outreach via a survey to determine organizational business needs and data/service requirements
- Draft survey has been shared with review team. Final survey should go out in a week or so. If your agency is interested in taking the survey, please contact me.
 - **Thank you to Dawn Martin for assisting with the survey effort!**

PRESENTATION: PURE WATER

Presentation by City of San Diego's Pure Water program. Presentation available on SDRGC website. Meeting concluded with optional site tour of the Pure Water Demonstration Facility. Thank you to support coordinated by the City of San Diego Public Utilities Department's Public Outreach program.

SDRGC Attendance July 5, 2017

Contact	Organization	Email
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