

SDRGC Meeting Notes: April 2017

USGS GEONEWS:

USGS Contact Information:

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USGS 3D ELEVATION PROGRAM (3DEP) UPDATE

- USGS has the 3D Elevation Program (3DEP) 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.
 - New lidar for Los Angeles County has also been underway and is expected to be delivered around mid-May 2017.
 - There are also new lidar projects are getting underway in northern California.
 - Southwest Mendocino County (collecting now)
 - Sacramento Delta lidar (starting in 2018 due to flooding)
- Outside of 3DEP funding, USGS is planning a new LiDAR project in the Mojave Desert. The agency is using Science Application for Risk Reduction (SAFRR) funds over two sites for seismic hazards studies and other applications. The project will include smaller polygons covering part of Joshua Tree National Park and a smaller region in Los Angeles County for landslide risk studies. Total project extent is about 1,200 square miles.
- Pacific Coast survey from US-Mexico border to US-Canada border
 - (Non-3DEP) LiDAR project data now available
 - Survey completed 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.
 - Joint funding and effort between NOAA, USACE, and USGS.
 - 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 will be available on the NOAA Digital Coast site.
- 2017 Geospatial Summit
 - Host: National Geodetic Survey
 - Dates: April 24-25, 2017
 - Location/Venue: Silver Spring Civic Building at 1 Veterans Pl, Silver Spring, MD 20910.
 - The 2017 Geospatial Summit will provide updated information about the planned modernization of the National Spatial Reference System (NSRS).

- Specifically, NGS plans to replace the North American Datum of 1983 (NAD 83) and the North American Vertical Datum of 1988 (NAVD 88) in 2022.
 - Webinar access: Summit can be attended remotely via webinar.
 - NGS will make every effort to provide live webinar access to meeting presentations.
 - Remote attendees are encouraged to register for the meeting and note that they will be attending remotely.
 - A webinar registration link will be provided to everyone who registers as a "webinar" or "unsure" attendee.
 - Contact Information:
 - Dana Caccamise, Pacific Southwest Regional Advisor, National Geodetic Survey
 - 858-822-0557
 - dana.caccamise@noaa.gov
 - Please check the NOAA website for more information: <https://www.ngs.noaa.gov/geospatial-summit/index.shtml>
- Repeating info on NAIP (from January meeting). CA Dept of Fish & Wildlife is now serving 2016 NAIP and earlier years in four variations (RGB, 4-band, CIR, and NDVI) via map services.
 - Information on the services can be found here: <https://www.wildlife.ca.gov/Data/GIS/Map-Services>
- USDA also has RGB 2016 CA data under its national service (<https://gis.apfo.usda.gov/arcgis/services>). USDA now has the compressed county mosaics for download on its Geospatial Data Gateway site (<https://gdg.sc.egov.usda.gov>).
- CA Department of Water Resources is the new NHD stewardship coordinating group for the state.
 - Primary point of contact:
 - 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).
 - Jane and DWR will be presenting on NHD at the 2017 CalGIS Conference in May up in Oakland.
 - USGS will present on 3DEP (Carol) and The National Map Corps (Drew).

SANGIS GEONEWS

ELEVATION/TOPO DATA UPDATE

- New 5-ft contour models are available for the middle third of the County.
 - Contours developed from QL2 LiDAR collected in late 2015.
 - Available for download via Regional Data Warehouse under the Topography category.
 - Digital Elevation Model and raw LiDAR data available through SanGIS via special request.
- Gas Stations:
 - SanGIS has worked with the County Dept of Ag, Weights, and Measures to update the Gas Stations layer on the Regional Data Warehouse.
 - Update interval: at least annually per arrangements between SanGIS and AGM.
- Stream and River layers:

- SanGIS will replace all stream and river layers within the next month (by May 2017).
- FLOWLINES will be an extract of the NHD flowline data for the two WBD HU6 water basins affecting San Diego County.
- FLOWLINES_CARTO will be a new layer, developed by SanGIS and based on the flowline data, that represents the major streams in the region.
 - The carto layer is intended primarily to be used for presentation mapping.
- Parcel data update
 - SanGIS, San Diego County Assessor's Office working to close all 2017 cuts.
 - Next priority will be to revise parcel data in the tidelands to better represent possessory interests for Port District-controlled properties.

IMAGERY WORKING GROUP

- 2017 Regional Imagery Project
 - Status: In Progress
 - Appears to be on time, on schedule, and within scope at this time.
 - Data capture in progress: figures and status
 - 4" resolution imagery: 94% complete per status update provided April 7, 2017.
 - 9" imagery: 44% complete
 - Online Access tool
 - Training for project participants to view "Early Access" data discussed during March 22, 2017 briefing at San Diego County Operations Center.
 - Online Access tool will also cover existing imagery and obliques provided by County of San Diego Assessor's Office.

SANDAG GEONEWS

LIDAR ACQUISITION FOR EAST COUNTY

- Project Status: 69% complete
 - Data processing in progress (60% complete)
 - QAQC pilot area near Borrego Springs scheduled for May 2017
 - Final product delivery: 30Nov2017
- Final Product:
 - 2014, 2015, 2016/2017 data currently separate datasets
 - Vendor to compile data into a single comprehensive set of DEM tiles and contours at 2-ft intervals

PARCEL LOOKUP TOOL

- Status: Beta as of April 2017
- Export Data tool (for GIS and CAD formats)
- Estimated delivery date: May-June 2017

LOCAL UPDATES FOR CENSUS ADDRESSES

- April 24, 2017: workshop at SANDAG
- Attendance available via webinar

REGIONAL BIKE MAP

SANDAG point of contact: Becca Grover

- Comments on network classifications via crowdsource application
- SANDAG outreach to Planning, GIS Departments for local agencies
- Update elevation, slope/grade attributes on bike map using regional LiDAR data

WORKING GROUP UPDATES

IMAGERY – BRAD LIND, SANGIS

- See updates from Brad Lind in SanGIS Geo News

GEOCODE – PAT LANDRUM, SANDAG

- April 20, 2017: Kick-off meeting

CAD/GIS DATA AND WORKFLOW – ALEX SAINZ, CITY OF SAN MARCOS

- Begin establishing guidelines for CAD data submittals from developers
- Existing documentation and guidelines from some agencies.
 - City of Oceanside
 - CAD data guidelines for CIP projects
 - City of Chula Vista
 - City of Carlsbad
 - City of San Marcos
- City of Imperial Beach: Russel Mercer
 - Engineering firms required to submit GIS data with attribute information prior to approval of as-builts
- Outreach to interested agencies – coordinate next steps
 - City of Oceanside
 - City of Chula Vista
 - City of Imperial Beach
 - City of Carlsbad

OTHER UPDATES

ESRI UC HOST BOOTH: 2017

- SDRGC has decided to discontinue the Host Booth at the ESRI User Conference at this time. We are seeking feedback heading into the next meeting to re-purpose the Host Booth looking forward to the 2018 ESRI User Conference.

PRESENTATION:

PRESENTED BY:

SDRGC Attendance April 12, 2017

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