San Diego Regional GIS Council Meeting Minutes
Wednesday April 10th, 2019
County of San Diego Operations Center

GEO NEWS

USGS Update – Drew Decker

- National Hydrography Dataset (NHD)
  - NHDPlus
    - Seamless network of stream reaches, elevation-based catchment areas, flow surfaces, and value-added attributes
    - Enhance stream network navigation, analysis, and data display
  - NHDPlus High Resolution (NHDPlus HR)
    - Now being completed for California (Region 18)
    - USGS will be seeking people interested in helping with QC work on the NHDPlus HR Beta product for CA
      - Details can be found on the NHDPlus High Resolution QC Interest form.
  - CA DWR and USGS are working on holding a series of NHD Applications workshops around the state to educate users on NHD and NHDPlus HR
- New digital topographic maps for California – US Topo
  - Third cycle of maps in late 2018 after editions in 2012 and 2015
  - USGS has also scanned its older historic topographic maps which are available
  - USGS now offering both map series in GeoTIFF format so they can be used with GIS software
    - Can be downloaded from the Topoview site here
- NAIP imagery
  - Was collected by Farm Service Agency for CA in late summer 2018
  - Four band near infrared, 60cm spatial resolution
  - Data should be available in late spring or early summer 2019
  - Link available here to monitor for the California mosaics
- USGS continues to produce how-to videos on using and accessing National Map data
  - Lessons vary in length and will focus on a certain dataset or website application
  - Videos can be accessed here
  - New Lessons include 10b1 (LAS files in ArcGIS Pro), 15c (Intro to NHD), and 15d (NHD Markup application)
- 3D Elevation Program (3DEP)
  - Continues to support new high-resolution elevation data development nationwide
  - Plans to release new Broad Agency Announcement soliciting proposals for data development later in 2019, details here

- Groups interested in partnering on LiDAR are encouraged to use the Seasketch application to post details on their area of interest to help generate partnerships
- Local, regional, and state organizations can use the Public 3DEP Project Collector Tool to enter information on their LiDAR project needs

SanGIS Update – Tod Chee

- Next Gen 911 Compliance
  - Contract with Michael Baker International completed
  - Plan is still to provide two road layers, one legacy and one compliant
  - No precise timeline for delivery of compliant layer; currently working on script for parsing out the layer
    - Aiming for a fall 2019 delivery, but not definite
- Address Point Correction
  - Working with City of San Diego Fire and Rescue for all the points they service
  - Finish mid to late summer 2019
- Assessor maintained parcels
  - Assessor maps being created, positive feedback so far on these
- Reviewing 5-year IT plan
  - Reviewing how newer technologies like ArcGIS Portal can be used
  - Infrastructure support for more modern technology

SANDAG Update – Pat Landrum

- Layer updates
  - Annual land use snapshot for 2018 available in RDW
  - Updating public-facing land use cache services
  - Schools layer updated as of October 2018 enrollment
    - School polygons are back by popular demand, available in RDW
      - School outlines of active schools
- Bike map update
  - Goal of updating online bike map by May 1st for Bike Month
  - Adding Bike to Work Day Pit Stops layer to online map
  - Hard copy not being updated this year
    - Last year's paper map still free and available; has 2018 data
- Building outlines
  - Ready to execute task order soon, dataset ready by Fall 2019
  - Updated through June 2019
  - Added information on changes from 2017 data, additional attribution for land inventory system
    - Reach out to Pat Landrum or Grace Chung to incorporate attribution of local data
- Executed contract with MS2 for traffic count database
  - User accounts for local jurisdictions to utilize data
  - Publishers can share traffic count data
- Server migration nearly complete
  - ETA for completion late April 2019

- GIS1/GIS2 rest endpoints going away soon: switch services over to new server at GIS.sandag.org/rest/services
  - Pat will send a note out to community as a reminder
- New Regional Vision/Plan
  - Various customers, stakeholders, consultants may be affected
  - Goal of leveraging new technologies for greenhouse emissions reduction

WORKING GROUP UPDATES

CalGIS Update – Ross Martin

- NAIP imagery
  - Flown/completed January 2019
  - County mosaics available in February 2019
  - Military bases are blanked out (redacted) for 2019
  - 4 band imagery is included
- NextGen911 collaboration
  - CalOES is requesting coordination for addressing for NG911
    - NG911 working group is already doing this so it may be a matter of communication and coordination
  - Coordinate what level of effort jurisdictions need for update
- Involvement of public utilities during disasters
  - How much info coming from utilities for recovery efforts
  - How to better involve public utilities in disaster response information sharing during events
  - Better information and support for fire recovery operations
    - Infrastructure information
    - Which places receiving or not receiving service
    - Busiest task is creating energy electric shut off maps to prevent fires
  - Some efforts with the California Energy Commission to coordinate and share information about transmission pole locations
- MyHazards dataset
  - MyHazards and USGS/CalOES discussion on what data is available in hazards datasets that could be useful to help mitigate risks at local levels
  - County OES has these data: http://myhazards.caloes.ca.gov/
  - Seismic info, etc available on viewer in AGOL
- State Spatial Data Infrastructure
  - Presented by Cy Smith, CIO State of Oregon
  - Petition state of Oregon to create state data warehouse
  - Framework for sharing datasets at a state level
    - State Enterprise geospatial data warehouse for land base layers across jurisdictional boundaries
  - Entities spend over $200 million a year in duplicate efforts to create state data
    - Have data in one central location

- - - Argument for having agency like SanGIS but at the state level in the state of Oregon
  - National Spatial Reference System (NSRS) Modernization Project
    - Modernize state plane coordinate system for California - replace NAD83
    - The establishment of a new working group is proposed to review and report on State Plane Coordinate 2022 (SPCS2022)
      - To become involved in working group, contact Nathaniel Roth
    - Goal is to distribute error away from coast, where most people live and things like property lines are important
    - Full presentation is available here

GIS Manager's Working Group – Eric Culp

- Has been meeting regularly
- Extensive discussions on Enterprise, Portal, and modernization and upgrading

Geocode Working Group – *On hold until after SanGIS completes NG911 efforts*

2019/2020 REGIONAL IMAGERY CONSORTIUM

Tod Chee, SanGIS and Ross Martin, County of San Diego

- Reviewing business requirements with NearMap - leaning towards that vendor
  - Lots of experience working with SCAG
  - Three inch resolution orthos
  - Focus is on urban areas, can adjust to include more areas
  - Willing to do countywide flight every three years
- Finalizing business requirements and pricing requirements
  - Consumption based model
  - Hard delivery of tiles
  - Predictability in operationalizing the cost
- Figure out pricing for jurisdictions – goal is to have this figured out by next meeting (July 2019)
  - Move forward after new fiscal year on July 1st
- Questions:
  - Will contours be available?
    - Need to inquire about this
    - Pat: LiDAR acquisition for western third of region?
    - NearMap or other subscription likely not to have contours or LiDAR
    - Contact Pat or Scott if interested in contours/LiDAR
    - Use USGS specifications for LiDAR
  - Four band imagery available?
    - Typically only NAIP
      - Could maybe get higher quality next cycle, need to collaborate with Feds
    - Subscription service mostly high frequency flyovers

- Can we budget now for imagery?
  - Yes, particularly because NearMap is flying now and can deliver faster
  - Can price things out more quickly if we need to, just need to figure out subscription pricing for jurisdictions
- What will resolution and accuracy be like?
  - Built for urban areas, so good quality

SELECT INTERIM SDRGC SECRETARY

- Volunteer: Brenda Maldonado, County of San Diego

OPEN DISCUSSION

- Who's going to ESRI Developer summit? Report back next time

ANNOUNCEMENTS

- FOSS4G-NA: Geospatial conference in Mission Bay April 15th-18th 2019
  - Free and open source geospatial software
  - Sponsors like ESRI
  - Proj4 projection development teams
  - Open street map representatives
  - Key notes from John Hopkins institute, UCSD, plus many government reps from Canada, US, and Australia
  - View program here: https://2019.foss4g-na.org/program/

NEXT MEETING

TBD

SDRGC Attendance April 10, 2019

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