

San Diego Regional GIS Council Meeting Minutes

November 9, 2022

Virtual meeting via MS Teams

WELCOME AND SDRGC NEWS

Brenda Maldonado, SDRGC Chair, announced:

- Welcome to all new SDRGC members!
- Drew Decker (USGS) will not be able to join this meeting, but Jennifer Maria-Benavides (SDRGC Secretary) will step in for Drew.
- Abe A. Coughlin (City of Escondido-GIS Manager) will not be attending today's meeting, but Brenda Maldonado (SDRGC Chair) will be presenting in his absence.

GEONEWS

USGS UPDATE

Drew Decker reported:

1. The 3D Elevation program (3DEP) continues to support new high-resolution elevation data development nationwide. The program manages an annual Broad Agency Announcement (BAA) which welcomes proposals for cooperative elevation data projects. The FY2023 BAA was recently released. Anyone interested in a lidar project, building partnerships, or having lidar questions is welcome and encouraged to contact us. BAA link: <https://usgs.gov/3DEP/FY23BAA>
2. A large lidar project is underway focused on much of Imperial County (Salton Sea Trough project). This includes a 360 square mile portion of northeast San Diego County. Lidar is at the QL1 level. Data are expected in spring or summer 2023
3. USGS gave a brief presentation on the USGS National Digital Trails program to the San Diego GIS Managers group on Oct 25. A planned Trail Data Portal should may allow local trail data to be brought into the national holdings in 2023
4. USGS released a new set of 1:24,000-scale US Topo maps for California, with production in fall/winter 2021. It contained data updates (such as hydrography, roads, and structures) gathered over the past few years and included the latest NAIP imagery (from 2020). It is a digital product in Geospatial PDF format and files can be downloaded on the National Map Downloader site (link below). CA DWR continues to support NHD and WBD data maintenance as the steward for California.
5. Building on the US Topo map theme...A new USGS web application enables the public to create custom topographic maps on demand. The online application is called **topoBuilder** and the output maps are known as **OnDemand Topos**. Users can build a USGS-style topographic map with choice of format, area of interest, and contour smoothness. I showed a quick demo of this on the April 2022 call. Links for related datasets include:
 - a. TopoBuilder page (<https://www.usgs.gov/programs/national-geospatial-program/topobuilder>). Intro to new application
 - b. USGS Store for historical and current topographic maps (<https://store.usgs.gov/>). Including print option for current maps
 - c. topoView for access to historical topographic maps (<https://ngmdb.usgs.gov/topoview/>)
 - d. TNM Downloader. Download structures, US Topo maps, elevation, NAIP imagery, hydrography, boundaries, names, and more (<https://apps.nationalmap.gov/downloader>)

Please contact Drew Decker (ddecker@usgs.gov, 619-225-6430) or Carol Ostergren (costergren@usgs.gov, 831-460-7539) with any questions or requests for presentations on the above topics.

SANDAG UPDATE

Andy Gordon, reported:

- 2021 Population and Housing Estimates will be released later this month
 - Not benchmarked to Census 2020, waiting on Census Bureau to release Demographic and Household Characteristics file (expected in Spring 2023)
- 2022 Land Use will be released by the end of year
- Currently in the process of cloud migration for SANDAG Enterprise GIS
 - Will inform SDRGC/GIS community in advance of any changes to REST services, applications, or other resources

SANGIS UPDATE

Tod Chee, reported:

- Imagery Contract
 - SanGIS and Nearmap is going sole source!
 - Contract renewal should be at the end of November.
 - Quotes will go out before the end of the year and invoices will be sent out in January.

WORKING GROUP UPDATES

GIS MANAGER'S WORKING GROUP

Robert O'Donnell, City of Chula Vista, reported:

SD GIS Managers met October 25, 2022.

- Drew Decker from USGS gave presentation on **National Trails Dataset**.
 - Updated version expected Spring 2023.
 - Plan is to build truly authoritative dataset,
 - with local data input (County/SanGIS interested in heading local effort).
 - Modeling tool available to assist trail creation.
 - Initial focus on joining trail systems between multiple agencies.
 - Can be used for reserve or urban trails.
- Update on **Nearmap** contract.
 - Nearmap contract to be renewed.
 - AI layers and DSM expected to be available at a discount.
 - Discussion on timing of downloaded imagery
 - Current winter capture download results in heavy shadowing.
 - Survey showed Spring capture to be preferred for download.
 - Tod Chee to inquire with Nearmap.
- Conversation on **Intterra** effort:
 - Intterra is web platform that regional Fire agencies are employing for Common Operating Picture.
 - Local agencies to provide address points, hydrants, trails and premap data.
 - USGS trails dataset will potentially be source of data.
 - Variation exists in agency support, due to knowledge of platform, effort involved and NDA considerations.
- Conversation on **license types**
 - Many agencies still make use of concurrent licenses, but new Portal/AGO approach doesn't support concurrent.
 - No solution beyond maintaining three separate license manager systems for now.
- Conversation about **Collaborations**
 - Valuable, but not perfect yet.
 - Management of collaborating users is a challenge.

SAN DIEGO MANAGEMENT AND MONITORING PROGRAM (SDMMP)

Emily Perkins, GIS Manager, USGS San Diego Management and Monitoring Program presented:

- The SDMMMP is a program designed for habitat and species management and monitoring that is funded by SANDAG, through the 2008 Transnet sales tax, and is operated by USGS.
- The program tracks 111 species, works with local, state, federal and non-profit organizations, and it provides support for species permit requirements.
- The program prioritizes species and actions needed to ensure the persistence of native species in San Diego County ([MSP Portal](#)), and evaluates the success of projects and the preserve system (Metrics Dashboard).

The screenshot shows the San Diego Management & Monitoring Program website. At the top, there is a navigation bar with 'Portal', 'Metrics', 'Resources', 'News', and 'About' menus, along with a search bar. The main header features a landscape image with the title 'San Diego Management & Monitoring Program'. Below the header, three key metrics are displayed: 669,302 acres conserved, 98,614 acres of shrublands with low herbaceous cover, and 924,257 acres burned at least once since 1989.

The main content area is titled 'State of the Preserve' and includes a section 'How Healthy is the Regional Preserve System?'. This section explains that the health of the regional preserve system is assessed by combining information on environmental conditions and species in natural ecosystems with information on impacts from anthropogenic (human caused) threats. It defines ecological integrity as the ecosystem's ability to support and maintain a community of organisms that has species composition, diversity, and functional organization comparable to those of natural habitats within a region. It notes that an understanding of the health of the regional preserve system is necessary for identifying and prioritizing management strategies to effectively and efficiently manage natural resources within the preserve system. To measure this system, a set of indicators were chosen to represent the major components of the system and to assess achievement of conservation and management objectives. Within each indicator, one or more measurable metrics were chosen to represent the indicator's ability to maintain a functional community and to meet conservation and management objectives.

Overall, the regional preserve system was determined to be a condition of Concern. Out of 19 indicators, 10 were either Concern or Significant Concern. Regional threats have increased in the last several decades and often interact to negatively impact the health of the regional preserve system.

On the right side of the dashboard, there are three interactive panels: 'Dashboard' (View data and detailed information in the Metrics Dashboard), 'Indicator Chart' (View a list of all indicators with the status, trend, and confidence), and 'Metrics Report' (Download the full report with detailed appendices for each indicator).

At the bottom center, there is a circular indicator chart. The chart is divided into four main categories: 'Indicator Species', 'Landscape Processes & Threats', 'Habitat/Vegetation Communities', and 'Landscape Species'. Each category contains several sub-indicators, each represented by a colored segment with an icon and a status label (Good, Cautions, Concern, or Significant Concern). A legend at the bottom of the chart identifies the colors: Good (green), Cautions (yellow), Concern (orange), and Significant Concern (red).

A copy of Emily's presentation has been added to the SDRGC Website under the "Documents" tab.

OPEN DISCUSSION

No additional questions.

Confirmed attendance for November 9, 2022

Alexandra Olivier-Morgan

Jen Kay

Deniz Ozakcay

Suzanne Walther

Jessica Gerski

Derek Kruger

Robert O'Donnell

Brenda MC

Kurt Baron

Drew Decker

Sarah Hudson

Michelle Kinzel

Aurora Moreno-Valdez

Paula Birdwell

Drew Haney

Nicholas Camacho

Gary Ross

Sarah McTague

Luis Manuel Garcia

Amy Storey

Brian Giorgi

Kevin Anderson

Mario Terrazas

Dan Arellano

Harry Johnson

Matthew McSpadden

Camille Lill

Diana Henderson

Elizabeth Ridder

Tim Williams

Sara Jadhav

Andy Gordon

Space Kraft

Tobias

Brian Gaze

Jacob Helfman

Zahra Khani

Emma Shu

Yasnaia Massie

Corey

Scott Daeschner

Vaishali Kulkarni

Justin Nettleton

Emily Perkins

Jessica Sanchez

Marco dipp

Natalie Carter

Kevin Volz

Daniel DuGal

Nick Archer

Fernando Garcia Ortiz

Phoebe Ho

Cristina Torres

Dawn Martin

Suzanne Walther

Kari Palm

Brittany Burson

Antonella Giorgi

Rebecca Kress

Lorie Roberts

Erick Pate