SDRGC Meeting Minutes – January 11, 2012

1. INTRODUCTIONS

Welcome by Pat Landrum , SDRGC Chair. For a list of attendees, please see attachment. Hosted by Brad Rosen at Poway City Council Chambers. A special thanks to Brad for providing a place to meet and breakfast items.

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2. GEONEWS

CA GIS Update – Pat Landrum

State GIO / Tech Advisory committee to review server technologies: Google Earth Builder, ArcGIS.com, Geoportal Server. Google is good at State level. ESRI is good at District level for workflows.

CGIA – Wordpress (free and open source) is being used as CGIA's web portal. You can see it at CGIA.org and can share info, blogs, web maps, data, etc.

USGS – Drew Decker

Planning for 2012 imagery for the San Diego Region underway (presentation below).

Training on the National Hydrography Dataset (NHD) is coming soon. We have an edit tools class in February to be held in Sacramento. SanGIS is the NHD steward for the San Diego Region. We are also planning a couple one day NHD applications workshops to be held in the Los Angeles area. Probably will be in April and will let everyone know when these are set.

Completed the National Enhanced Elevation Assessment (NEEA) which examines the need for, and current holdings of, higher resolution digital elevation data. We have a shapefile and details on data located within California. Drew is working with the project's managers to be able to release a copy to share with everyone.

More imagery coming soon. Imperial and Santa Barbara Counties done, along with portions Ventura and San Bernardino and Riverside. Los Angeles data coming in early 2012.

New US Topo maps coming for California in 2012.

Historical Topographic Map Collection recently released for California.

Questions, Answers & Comments:
Q: What's the deliverable date on the NEEA?
A: Preliminary data is available now.

SANGIS Update – Brad Lind

This update/discussion took place during the SanGIS presentation that occurred later in the meeting.

<u>**SANDAG Update**</u> **– Steve Hossack**

Census dataset - SANDAG is currently working on census dataset and has created a poster of census tracts. It will be available for download soon from SANDAG's web site.

GIS Clearinghouse – SANDAG is hosting this site and it can be accessed from either SANDAG's or SANGIS's website. There is no login required; data is downloadable as zipped shape files and metadata is available in PDF format. The site received 102 hits on Monday, 1/9/12.

<u>Questions, Answers & Comments</u>:
Q: Can there be a single download for all the data?
A: This is not set up yet, but they are working towards it. Currently, you can get the full DVD set from SANGIS for a $75 processing fee.

Q: Any plans to make the data available as rest services?
A: Not now because the infrastructure is not in place to be able to do that. Maybe in the future.

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3. CITY OF POWAY GIS PROGRAM – Brad Rosen

Brad gave a presentation re: Poway's GIS Program and focused on 2 topics – (1) Cartegraph work order management system and GIS integration, and (2) PowGIS - Poway's new silverlight GIS viewer. Presentation consisted mainly of mobile app demo and POWGIS Silverlight app demo.

(1) Poway has used Cartegraph for about 10 years. Now it is being integrated with GIS. Currently staff is capturing signs and sprinklers using Trimble mobile devices and Cartegraph's mobile app. So far, memory on the devices is the only issue. After the data capture is complete, staff will use the mobile devices for work orders.

<u>Questions, Answers & Comments</u>:
Q: Is the sync done wirelessly?
A: No, sync'ed over USB.

Q: What's the GPS accuracy?
A: Pretty good. Not great if features are within 4-5 feet of each other. Fine for signs.

Q: Is there a map screen on the mobile devices?
A: Yes, but staff was not using it, so turned it off to see if that would help with the memory issue.

Comment: May want to purchase a GeoXH for better accuracy when mapping sprinklers.

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(2) The Silverlight internal web app is scheduled to go public in a few weeks and will replace the current ArcIMS site. It's called POWGIS and the viewer was built by WebGIS Solutions (webgis_solutions.com). For a good price ($8000 for base product), it has lots of functionality built in. Contracted with Quartic Solutions for set-up and some customization.

Currently includes:
- Good search capability

- Aerial photo history tool
- Draw tools
- Export table tool
- Select/buffer tool
- Community info tool
- Mailing label tool
- Themes tool
- Google Streetview tool
- Layer list/TOC tool to allow staff to control what's shown on the map

Adding:
- CCTV viewer

Only one site needed. Code added at field-level to secure / make private. Staff will have sign ins so that they can log in externally and see all they can see internally without having to VPN in to the 'internal' app.

Questions, Answers & Comments:
Q: Does it have editing tools?
A: No. Editing done through ArcEditor in the desktop. GIS staff creates MXDs that look similar to the Silverlight app for consistency.

Q: What's the backend?
A: SDE 9.3. Upgrading to 10. SQL database.

Q: Open up via hole to firewall?
A: Working on that with ESRI. Setting up tokens so it's secure.

Q: Is the Community Info tool grabbing just from GIS, or from other database tables?
A: Just from GIS. All info was collected over the last 5 years from interns and volunteers. Engineering plans are just hyperlinked tiff files on a file server. They were in Laserfiche, but it was too much trouble to get them out, so they were moved out of Laserfiche.

Q: Is symbology controlled by the map services?
A: Yes, worked to make symbology look like the hard copy map books. Big effort.

Q: Who is WebGIS?
A: Two guys who were GIS Managers at cities – one from Ohio, one not. Poway bought the source code. Pays 20% of base cost for annual maintenance.

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4. **SANGIS** – Brad Lind, SanGIS

Brad gave a presentation on current and future SANGIS projects. Brad gets a copy of emails that are sent to webmaster@sangis.org and this may be the best way to reach him.

Projects in progress or completed:
- Rewrite/consolidate 4000 scripts down to ~ 60. Quartic Solutions did this.
- Map parcel history back to 2001.

- Capturing backlog of 3500 County drainage/flowage easements.
- NHD steward. *(NOTE: Please contact SANGIS with surface water errors/omissions)*
- Implement SANGIS/SANDAG regional data warehouse.

Future projects:
- Updating the quality of the address data
- Public-facing website replacement
- New interactive mapping site (working with SANDAG on single source site). Upgrades to infrastructure needed.
- Data download service (will charge a fee for some data for cost recovery)

Objectives/goals to complete by the end of the fiscal year:
1. Complete MOU with SANDAG for data warehouse
2. Redo website with interactive map
3. Address updates/QC
4. Develop procedures for capturing more easement data. Currently defining scope.

Questions, Answers & Comments:
None

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5. JESSICA'S LAW PROJECT – Julie Wartell (San Diego County District Attorney Office)

Julie gave a presentation on how GIS was used to understand the implications of Jessica's Law. Maps and analysis were done initially in preparation for the ballot measure in 2006 and updated for a recent court case on sex offenders and residency restrictions.

Prop 83 was passed in 2006. The law was not well written. Often times sex offenders become homeless because they can't find a place to live within the restrictions.

School polygons were created from the location of SANDAG's school points, and polygons were buffered by 2000 feet. Parks are now maintained by the region through a SANDAG app that's been set-up for park QC. 'Active Use' parks have been defined as parks where children gather. In San Diego, buffers around parks and schools show that there are very few places for offenders to live. This analysis helped determine a stay on the law in 2011 – so that this law is no longer enforced in San Diego County.

Questions, Answers & Comments:
Q: With use of GPS anklets, have they thought about enhanced probation methods?
A: They already do that. They can tell when someone's in the wrong place at the wrong time, but this technology is expensive to implement for all offenders.

Q: With law 'stayed', will a new law be proposed?
A: Possibly buffers of 1000 feet and restrictions specific to offender.

Comment: In this era of technological advances, it's great to see the analytical use of GIS in addition to web services, etc.
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6. USGS GPSC CONTRACT – Drew Decker (USGS)

Drew gave a presentation on SD Regional Imagery plans and projects, along with info regarding USGS GPSC contract. The USGS Geospatial Products and Services Contract (GPSC) is an open end service contract vehicle available to local and regional agencies for base mapping projects.

There is NGA funding available in 2012 for San Diego. NGA funding has been used for local partnerships in the past. NGA wants to work when local partnerships want to work.

NAIP (4-band, 1ft res. or better) imagery is coming in 2012 for coastal urban areas of San Diego.

GPSC projects – for more info, go to USGS website and search 'GPSC'.

Questions, Answers & Comments:

Comment: Carlsbad is trying to assess interest in another high-res imagery partnership.

Comment: The County is participating in the project. Quality can be suspect, but is better because USGS is doing the QA/QC.

Comment: Hopeful that this kind of partnership will move beyond regional struggles we've had and will make things more streamlined. Then, we can build from there.

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7. SDRGC OFFICER ELECTIONS – Wendy Flynn (Encinitas)

o Wendy announced the new SDRGC Board for the 2012-2014 term based on SDRGC public agency member votes. Thank you to everyone who accepted nominations, or who stepped up by volunteering a self-nomination.

o The new board is as follows:
- Chairperson – Steve Hossack, SANDAG
- Vice Chairperson – Bob Blackwelder, City of Chula Vista
- Secretary – Deniz Ozakcay, CALTRANS
- Webmaster – Harry Johnson, SDSU

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8. OPEN DISCUSSION

No items.

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9. NEXT MEETING

The next SDRGC meeting will be held on April 11, 2012. Tentative meeting location to be determined. If you have any ideas for possible agenda items please contact Bob Blackwelder at bblackwelder@chulavistaca.gov

Meeting attendees, January 11, 2012

Contact	Organization	Email
Bevins, Orson	Resource Conservation District	orson.bevins@rcdsandiego.org
Blackwelder, Bob	City of Chula Vista	bblackwelder@ci.chula-vista.ca.us
Blades, Tony	Caltrans	tony_blades@dot.ca.gov
Blumberg, David	Navy Region Southwest	david.blumberg@navy.mil
Bracknell, Lenska	Lenska Aerial	lenska@lenska.com
Brown, Matthew	San Diego County Water Authority	mbrown@sdcwa.org
Buchans, Alex	Vista Irrigation District	abuchans@vid-h2o.org
Carey, Talli	City of Oceanside	tcarey@ci.oceanside.ca.us
Chung, Grace	SANDAG	grace.chung@sandag.org
Craig, Tim	ESRI	tcraig@esri.com
Decker, Drew	US Geological Survey	ddecker@usgs.gov
Flynn, Wendy	City of Encinitas	wflynn@encinitasca.gov
Garcia, Patricia	Valley Center Municipal Water District	pgarcia@vcmwd.org
Garrison, Clint	San Diego County Water Authority	cgarrison@sdcwa.org
Gipson, Jon	ASC Scientific/Trimble	jgipson@ascscientific.com
Hopkins, Gregory	City of San Diego	ghopkins@sandiego.gov
Hossack, Steve	SANDAG	steve.hossack@sandag.org
Johnson, Harry	San Diego State University	hjohnson@geography.sdsu.edu
Kent, Barbara	Caltrans	barbara_j_kent@dot.ca.gov
Landrum, Pat	Caltrans	pat_landrum@dot.ca.gov
Lathrop, Steven	Navy Region Southwest	steven.j.lathrop@navy.mil
Ledbetter, Jeff	LR Kimball	jeff.ledbetter@lrkimball.com
Lind, Bradley	San Diego Data Processing Corp./SanGIS	blind@sddpc.org
Lubeley, Lisa	DUDEK & Associates	llubeley@dudek.com
Luostarinen, Timo	Quartic Solutions	timo@quarticsolutions.com
Martin, Ross	County of San Diego	ross.martin@sdcounty.ca.gov
McNeil, Jason	City of Escondido	jmcneil@escondido.org
Noori Bushehri, Saeid	City of Oceanside	snooribushehri@ci.oceanside.ca.us
Ozakcay, Deniz	Caltrans	deniz.ozakcay@dot.ca.gov
Pagni, Dan	Redzone Disaster Intelligence	dpagni@rzintel.com
Powvall, Sam	La Jolla Indian Tribe	spowvall@gmail.com
Preciado, Guillermo	Santa Fe Irrigation District	mpreciado@sfidreb.org
Rodgers, Martha	Consultant	mrodgers25@gmail.com
Shananerger, Robert	Caltrans	robert_shanaberger@dot.ca.gov

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Contact	Organization	Email
Stapleton, Lisa	City of San Diego	lstapleton@sandiego.gov
Tessier, John	Technology Associates	jtessier@taic.net
Tilley, Greg	Aerometric	gtilley@aerometric.com
von Schlieder, Karl	City of Carlsbad	karl.vonschlieder@carlsbadca.gov
Wartell, Julie	Private Consultant	julie.wartell@att.net
Wolf, Tobias	HDR	Tobias.Wolf@hdrinc.com
Woodhouse, Sandy	Woodhouse Consulting	woodhouse.consulting@cox.net
Youngflesh, Lee	San Diego Law Enforcement Coordination	lee.youngflesh@sd-lecc.org