



The Source

San Diego Geographic Information Source Newsletter
SUMMER 2008

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SanGIS Board of Directors and Management Committee

Mayor Jerry Sanders has designated William Anderson, FAICP, Deputy Chief Operating Office over Land Use and Economic Development, as the City of San Diego member of the Board of Directors for SanGIS. Welcome, Bill!

The SanGIS Board of Directors has approved the creation of a Management Committee to manage the operational decisions of SanGIS so that Board involvement could be limited to high level decisions. Mayor Sanders has designated the Citywide Applications and Technologies Program Manager, Phyllis Chapin, as the City's representative to the committee.

Chandra Wallar, SanGIS Board of Director and Deputy Chief Administrative Officer for the County of San Diego, has designated the GIS Manager for the County, Ross Martin, as the County's representative to the committee. A charter for the Management Committee is forthcoming and will be posted to the SanGIS website.

The [SanGIS Board of Directors meeting Agendas and Minutes](#) from December 2006 through April 2008 are available on the [SanGIS website](#). In addition, the website is also a source for the agency's [financial reports](#), [presentations and reports](#), and [business process documents](#).

Public Safety Layers Enhancement Complete

Quick Links

[SanGIS SDE Layers](#)

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Featured Article

2008 Countywide Eagle Imagery Update

SanGIS has received the countywide imagery from Eagle Aerial Imaging for the 2008 product of the multi-year contract with Eagle. This imagery will be available in 3 formats: Geotiff, [Shapefile](#), and [Mxd](#).

SanGIS has completed a several month effort - assisted by City Fire and Police, County Sheriff, SDDPC and ARJIS - to improve the geometry of the Lawbeats layer so that the beat boundaries align with the SanGIS Roads layer. In addition, attribute coding of the Roads layer with Lawbeat, MGRA and Census information has also been improved. These enhancements will provide more accurate information for use in 911 vehicle routing, and crime analysis and statistics reporting. More information about this project can be found in the [Spring 2008 The Source](#) newsletter or by contacting Andrew Abouna at AAbouna@sangis.org.

Landbase, Warehouse and Services Report

Landbase

SanGIS continues to ensure that the regional landbase (parcels, lots, roads) that you access through SanGIS SDE contains the most timely, and topologically and attribute-accurate information. During the 4th Quarter of FY 2008 SanGIS performed the following updates to the landbase. Also shown in bold are the totals for FY08:

- Subdivision Maps Processed: 88 (**381**)
- Lots Added: 548 (**2615**)
- Parcels Added: 1067 (**9916**)
- Parcels Split: 255 (**1272**)
- Roads Added: 61 (**1286**)
- Landbase Corrections: 58 (**224**)
- Parcels/Lots Processed to Goal: 99.7% (**98.5%**)
- Roads Processed to Goal: 100% (**100%**)

Warehouse

Since April 2008, the following 13 new Layers were **added** to the regional Data Warehouse on SanGIS SDE:

- CMTY_GENERAL_PLAN_DRAFT_ENV_CN
- CMTY_GENERAL_PLAN_DRAFT_HYB_CN
- CMTY_GENERAL_PLAN_DRAFT_REF_CN
- HLTH_ADULT_DAY_CARE
- HLTH_CNCIL_CMTY_CLINICS
- HLTH_COOL_ZONES
- HLTH_FAMILY_RESOURCE_CENTERS
- HLTH_IMMUNIZATION_REGISTRY_LOC
- HLTH_SMOKING_CESSATION_PROG
- HLTH_SOCIAL_REHAB_FAC
- HLTH_STATE_LIC_CHILD_CARE_CNTR
- HLTH_STATE_LIC_GROUP_HOMES

goal is to consolidate the data and make it available to you as fast as possible. The geotiffs will be combined into one raster dataset and placed on SDE, with the other data formats made available on DVD. Loading of the single raster dataset to SDE will however be delayed while SanGIS awaits receipt and implementation of a new NAS to replace our old device that has insufficient space. For more information on the NAS upgrade please the adjacent article in this newsletter.

Recently we have been working with the MrSID data in preparation for generating copies for distribution. However, this product is proving problematic because of white bands between adjacent MrSID tiles. These bands are the result of extreme reflectance values that were not coded to 255. This problem was not evident in the .ECW and sample MrSID files that the County, City and SanGIS

- HLTH_WOMAN_INFANT_CHILD_PROG

The following 30+ Layers were also **updated** on SanGIS SDE during that time:

- ADDRAPN
- AG_COMMODITY_07
- AIR_SAFETY_ZONES_CN
- CMTY_GENERAL_PLAN_DRAFT_CN
- CMTY_PLAN_CN
- DIST_FIRE_ENGINE
- DIST_PRECINCT_CONSOLIDATED
- ECO_MSCP_CN_NORTH_DRAFT
- FIRE_SIGNIFICANT_EVENTS
- FIRE_STATION
- FIRESAFE_COUNCILS
- FIRESTORM_2007_DAMAGES_CN_ALL
- FIRESTORM_2007_DAMAGES_UNINC
- FIRESTORM_2007_PERIMETERS
- HOSPITAL
- HYD_RIVER_TB
- LAND_OWNERSHIP_SG
- LAW_BEATS
- PARKS_CN
- PO_BOX
- PORTS_OF_ENTRY_CA
- RAILROAD
- RD_MAJOR_SG
- SCHOOL
- SD_FIRE_HISTORY_THRU_2006
- SD_FIRE_SIGNIFICANT_EVENTS
- SURVEY_MAP_AREA
- SURVEY_ORTHO_AREA
- TRAN_ROUTE_SG
- TRAN_STOPS_SG
- ZONING_UN
- All CIP Layers

Note, the Landbase (such as PARCELS, ROADS, ANNOTATION) is updated weekly, with the newest versions made available Mondays.

For a complete listing of all [SanGIS SDE Layers](#) available to our members, please click the above link.

Services

SanGIS's Mapping and Data Services continue to provide GIS products to our members and to the public. We also provide online access to our GIS Data. For the 4th Quarter of 2008, and in bold for the year, the following services

approved in mid-June. We are in contact with Eagle to have them correct this product. They have informed us that the problem could be a result of how the geotiffs were processed by their vendor, but they are now looking into how to correct the problem.

Unfortunately a delay in the delivery of the MrSID is now anticipated. In the meantime we have complete countywide 2008 imagery coverage in .ECW format files that is compatible with ArcGIS, which we can make available to you on DVD.

Fortunately there are some improvements with the Eagle product this year for the Western, urbanized part of the county, such as increased spatial resolution and better coloration. The Eagle imagery product for 2008 has 1' spatial resolution in the Western part of the county and was flown January 15, 18 and 19, 2008. In the Eastern part of the county the spatial resolution is 1.5' and

were performed:

- Custom Mapping for our Members: 42 (**157**)
- Custom Mapping for the Public: 230 (**930**)
- Data Extracts for our Members: 17 (**66**)
- Data Extracts for the Public: 105 (**332**)
- FTP Logons: 5064 (**19,985**)
- FTP Data Downloads: 10,663 (**39,889**)
- Website Hits: 2,306,930 (**28,709,556**)
- Most Popular Webpage & Hits: "SanGIS Interactive Map" - 439,109 (**4,429,198**)

IT Upgrade and New NAS Storage Status

Most of SanGIS's twelve servers are 7-12 years old. Consequently, an [IT upgrade plan](#) was presented to the Board in July 2007 who later approved Priority 1 of a refined 3-phase plan. The Priority 1 IT upgrade plan calls for two new VMWare virtualization servers each with dual, quad-core CPUs, sufficient RAM and hard drive space, plus a new tape backup drive. These servers will replace most of the existing servers with both new servers running in tandem to load share, but with each server providing redundant fail over to the other. Due to a variety of circumstances the equipment has not yet been purchased although replacement has become critical, as again exhibited through our recent NAS outage. However, our intent is to seek Board of Directors approval at the next meeting for purchase of the equipment based upon updated quotes and using budgeted funds.

Meanwhile, SanGIS is moving forward with the replacement of its NAS (network attached storage) device because this device not only represents our highest point of likely failure, but the device can no longer be maintained and has no more available space for loading new data, such as the 2008 countywide Eagle imagery. Like much of SanGIS IT infrastructure, the NAS is a critically important and this device contains all of the SanGIS Data Warehouse data. An implementation plan has been formulated for the new NAS and a schedule of its activation will be communicated to you when the time nears so that you are properly noticed to help avoid and/or minimize impacts to your business. The new NAS will be compatible with the forthcoming IT upgrade and have 4TB (terabytes) or raw storage space, compared to 2TB of raw space with the old, current device.

5, 7 and 11, 2008. Because of the increased resolution in the Western area the complete data set is very large in total file size. Some of the MrSID tiles are now larger than the 4.7GB that will fit on single layer DVDs, therefore, we will need to copy the MrSID data for distribution onto dual layer, 8+GB format DVDs.

If you have a GIS article or presentation incorporating SanGIS data and would like to share your experience with others through The Source and on the SanGIS website, please contact Andrew Abouna at AAbouna@sangis.org

Need Data?



Get SanGIS

Recent SanGIS SDE Interruption

The existing SanGIS NAS device was unexpectedly offline for a brief period of about 10-15 minutes the morning of Monday July 21, 2008. The interruption occurred when we attempted to replace a bad spare drive with a new one. Unfortunately the new drive proved incompatible with our antiquated NAS so the device would not reboot until we refitted the old drive. With only one good spare drive remaining, the importance of the upcoming NAS drive replacement becomes even more important. The NAS drive holds all of the SanGIS Data Warehouse data and is accessed through the server called Vulcan.

We apologize for the recent unanticipated interruption in SDE service. All subsequent system updates or upgrades, no matter how minor will be scheduled to occur on Friday afternoons and with adequate pre- and post-event noticing to help make you aware of possible system impacts.

MPRDATA Interruption in May/June 2008

Feature attributes for SanGIS SDE PARCELS, PARCELS_ALL and ROW were not updated during June 2008. However, as of July 8, 2008 these layers have all been refreshed and are again fully updated.

The attributes for parcels are typically updated every weekend with Master Property Record (MPRDATA) information that is automatically copied by FTP from the County. In mid-May the MPRDATA ceased being copied to SanGIS, although what are now apparently faulty automatic email notifications reported that the data was successfully copied.

SanGIS is continuing to work with the County's IT vendor, Northrop Grumman (NG) to correct the FTP problem. In the meantime, we will continue to manually copy the MPRDATA to SanGIS as needed so that the weekly parcel attribute update scripts can be run. In addition, SanGIS has optimized the script that updates the parcel attributes with the MPRDATA so that overall processing time is reduced. Please note, the parcels geometry was unaffected by the MPRDATA copy

Data on DVD!

SanGIS now provides a convenient DVD set containing the 245 public-facing data layers in uncompressed shapefiles and metadata.

As a service to you, our members, and to the public, SanGIS hosts a public-facing FTP site with 245 select layers from our internal SanGIS SDE Data Warehouse. The public-facing data are free to download through our [Download GIS Data](#) page. However, the data are stored as compressed shapefiles requiring a network connection, time and effort to download, before uncompressing. The new 5-DVD set provides a fast, convenient and mobile way to access the data.

The DVD set is available free to City and County staff, or for a nominal cost recovery fee of \$75 for non-members. The DVD set can be refreshed with the same quarterly frequency as the website data.

issue.

We apologize for any inconvenience this attribute update process problem may have caused you and will continue to keep you update. Thank you.

Custom Maps are FREE to City and County Staff

As a member of SanGIS, City and County staff may request **FREE** custom maps and data extracts from SanGIS. This is a great service, especially when you are too busy or short-staffed to prepare your own maps for studies, projects, presentations, and reports. We also offer lamination and mounting for a nominal cost of materials only, and response time is always fast. For more information please contact Erma (EBarnett@sandis.org) or Peg (PGodden@sangis.org).

Reminders

Report Data Errors

For landbase errors please contact Frank Jessie, Operations Manager, at FJessie@sangis.org or 858-874-7010. For other data errors please contact Peg Godden, Data Services Manager, at PGodden@sangis.org or 858-874-7005. *Or you may use the SanGIS Online Forum to report errors.*

SDE/Oracle Accounts

New SDE/Oracle accounts can be obtained by contacting Peg Godden at PGodden@sangis.org or 858-874-7005. She can also change your password or delete accounts.

Online Forum

The SanGIS [Online Forum](#) is a resource for announcements, data lists, newsletter, reporting data errors, and other information. We encourage you to post your questions or requests using the forum. Thank you to those who have been providing us information for landbase corrections.

Suggestions and Website

The [SanGIS website](#) has undergone some changes recently, with more to follow. Let us know if it still provides what you need. As you continue to use SanGIS as a resource for obtaining regional GIS information, but discover you have questions or comments, please contact

For more information,
contact Peg at
PGodden@sangis.org



Web Links

[SanGIS](#)

[City of San Diego](#)

[County of San Diego](#)

Andrew Abouna, Executive Director, AAbouna@sangis.org,
or 858-874-7020. Thank you.
