

**San Diego Regional GIS Council
Imagery Acquisition Subcommittee
July 10, 2006
2-4 pm, SANDAG**

Attendees:

Sue Carnevale, SANDAG
Barbara Kent, CalTrans
Clint Garrison, San Diego County Water Authority
Lisa Lubeley, City of San Diego
Tom McDowell, City of Chula Vista
Dan Hildebrand, City of Escondido
Steve Kunkel, SANDAG
David Lindsay, County of San Diego

1. Establishment of Subcommittee

The group agreed to create an Imagery Acquisition subcommittee and post minutes and other documents to the SDRGC website. Tom McDowell agreed to provide a presentation to the full SDRGC meeting on July 12th, 2006.

2. Review of Image Surveys

The group reviewed the latest version of the image survey and suggested only minor changes which Sue will incorporate. The group decided it is best to keep two separate surveys (for those that participated in the latest regional imagery acquisition and for those that did not). The surveys will be sent via email. Sue will have the SANDAG word processing department design the survey to allow for electronic replies. The group also agreed that a three week response period will be given for the surveys with a two week reminder and additional follow-up after three weeks.

Sue suggested that a glossary of terms be included in the survey to help recipients understand terms such as DTM, DEM, DSM, etc. Sue agreed to do some research and include definitions in the footer of the survey.

The subcommittee members agreed to submit to Sue the contact information for agencies (non-members of the SDRGC) that may be interested in participating. Some possibilities include: utilities, private industry, military, federal and state, homeland security (Border Patrol), tribes, universities and community colleges, non-profits, and public safety agencies.

The following subcommittee members agreed to research and submit contact information for the following:

- Tribes/Reservations (David through County tribal liaison)
- Water districts (Clint)
- Non-profit agencies (Sue)
- Public Safety (Sue and Dave)
- Fire districts (Dave)
- Dispatch centers (Dave)
- Community Colleges (Sue)

3. Review of Los Angeles Regional Imagery Acquisition Consortium (LARIAC) – Cost Allocation Method

Tom and Sue worked up some per agency cost allocations based on information provided by LARIAC. After reviewing the figures, it was determined that further follow-up with LA representatives is necessary. Sue, Clint, and Tom will form a workgroup to further analyze the methods used by the LA consortium and report to the group at the next subcommittee meeting.

4. Merging Sub-regional elevation data into a regional data set

Tom McDowell recounted his recent discussions with the vendor DMI concerning LIDAR. DMI stated that LIDAR is adequate for ortho-rectification but not necessarily the best for developing terrain models. DMI states that traditional aerial photography produces a better elevation dataset.

Lisa Lubeley summarized her recent review of the LIDAR data acquired by the City of San Diego. She stated that for the most part, the LIDAR is more accurate than the 1999 traditional terrain model with a lower average RMSE. However, the City is looking into using components (including breaklines from the 1999 data) of both datasets to create a merged product. Lisa stated the City is evaluating options to accomplish this task whether that is in-house or through a vendor. Lisa will summarize her findings at the next subcommittee meeting. This will also provide information to the subcommittee on how difficult it is to merge various terrain datasets.

Tom, Lisa, Steve, and Clint will form a smaller workgroup to consider the issues with merging sub-regional data into a regional dataset.

5. Next Meeting – Monday September 11th at 2-4 pm. Location to be determined.