**SAN DIEGO REGION GIS COORDINATORS' GROUP**
**MINUTES**
**April 7, 1999**

## 1.    WELCOME AND INTRODUCTIONS

Matt Brown of Encinitas welcomed the group to its second meeting of 1999. Representatives present at this meeting included staff from the cities of Chula Vista, Encinitas, Poway, San Diego, and San Marcos. Other agencies in attendance were the County of San Diego, CALTRANS, San Diego County Water Authority, Otay Water District, San Diego Unified Port District, SanGIS, and SANDAG.

## 2.    GEONEWS

### MAPPING & CADASTRAL STANDARDS

Fred Wong informed us about a new set of cadastral data content standards which have been endorsed by FGDC. You can read the standards by following the link at the bottom of the web page on these standards at: http://www.fgdc.gov/standards/status/sub3_5.html

Fred also reminded the group about ESRI's local government grants and 1995 Census TIGER data. More information on the grants can be found at: http://www.esri.com/industries/localgov/grants-new.html and on the Census data at: http://www.esri.com/data/online/tiger/.

### CURRENT LEGISLATION

Bob Parrott gave a short update on Senate Bill 1065 and Assembly Bill 1099. These bills deal with the Public Records Act and fulfilling requests for data in electronic format. We heard from the group that the County of San Diego is opposing AB 1099. Follow the links at the bottom of the group's web site for current information on these two bills.

### CIR DOQQ PARTNERSHIP STATUS

Bob gave an update on the CIR DOQQ project. The contract work to complete the value-added image processing and creation of MrSID products is nearly complete.  Products will be delivered to the partners, at a meeting at SANDAG on July 7, 1999.  As a reminder, these products may be copied and/or placed on networks for agency use. MrSID products created as part of this partnership are fully compatible with ArcView 3.1.

Under a separate contract with San Diego Data Processing Corporation (SDDPC), an ARC/INFO application is being developed to interface ARC/INFO and the MrSID imagery.  This should also be completed by and delivered to appropriate partners at the July 7, 1999 meeting.

**B&W DOQQ DATA & ARC/VIEW 3.1 MrSID EXTENSION**

Matt asked the group if anyone knows what changes need to be made to ArcView or to the data files to make the ArcView 3.1 MrSID extension "see" the black & white DOQQ data. These data were developed with a custom extension prior to ESRI's extension. Bob said that SANDAG would investigate further and report back with findings.

There are multiple issues associated with this mix of MrSID formats and viewing software. Below is a little history of the MrSID products to help shed some light on the issue that Matt brought up.

During the time of the B&W partnership, the MrSID technology was new and evolving. The industry standard formats for MrSID images we now have were not developed until after the data was already prepared for the B&W partnership.

In most cases, the old extension developed for AV3.0 for the three B&W MrSID CD ROM set can still be loaded into AV3.1 and used to view the B&W data, and it appears that one machine can be set up to use both extensions. The regional B&W MrSID product (a single file) is in a format that is viewable by AV3.1. Therefore, if you have (or want to get) the regional B&W MrSID image, and have 1.7 gigabytes of storage space, it can used with the AV3.1 extension.

We have not had the opportunity to contact LizardTech to confirm this; but we believe that in order to make the old data viewable with the AV3.1 extension, each MrSID sub-image would have to have its own header file with the appropriate header information in the appropriate format. The header file would contain the Geographic X, Y reference coordinate information, as well as some other information. We will try to verify this with LizardTech, and if this is the answer try to provide the user community with appropriate header files within the next few months.

If you have any questions or concerns about the custom extension vs the AV3.1 extension, please contact Sue Carnevale at SANDAG via email at sca@sandag.cog.ca.us or by phone at 619-595-5381. If there is a large enough need, SANDAG will work with LizardTech to find the most appropriate way to solve this issue.


**CHRIS PARTNERSHIP**

Bob indicated that a meeting to finalize a partnership for the San Diego Historical Resources GIS (SDHRGIS) project would be held on May 20 at SANDAG.
(Note: a local consortium has been formed between SANDAG, the City and County of San Diego, Caltrans, Sempra Energy and the County Water Authority to provide $30,000 in matching funds to the South Coast Information Center (SCIC) for the SDHRGIS project – total project costs are $90,000. SCIC has submitted a proposal to the California Urban Environmental Research and Education center (CUEREC) for Phase I of the project (total project cost is $50,000 with the local consortium funding $20,000). SCIC will also be submitting a proposal for Phase II of the project (total cost is $40,000 with

the local consortium funding $10,000). We should know by the end of August if the Phase I proposal will be funded).

**SAN DIEGO HOST COMMITTEE (ESRI CONFERENCE)**
The host committee has been meeting to plan conference activities. See the committee's web site at http://www.sandag.cog.ca.us/sdhost/ for the latest information on conference activities, and contest awards. Bob mentioned that there will not be demos this year because they were a lot of work and there wasn't much interest in them from conference attendees. Also reminded the group about submitting posters to the poster gallery. Deadline has been extended to July 8th. The next meeting of the Host Committee is at 3 PM on Wednesday July 14th at SANDAG.

**SLUC UPDATE**
Joey Perry updated the group on the status of SLUC. A second request for comments was mailed out, and a number of agencies responded. The SLUC Subcommittee will be reviewing all comments received and work on an update of the codes. This final draft of the codes will be used in pilot studies to determine the effectiveness of the codes and compare them to other coding systems. The subcommittee is looking for other volunteers to help with this important effort.

**GROUP WEB SITE**
Tim Craig gave a quick overview and reminder about the group's web site at http://www.sandag.cog.ca.us/localgis/. This is a dynamic site that would benefit from more content. Please email any ideas for the site to Tim at tcr@sandag.cog.ca.us. Look to the site for current and historical meeting minutes, a member contact list, and links to current legislative items.

## 3.    AERIAL PHOTO PROVIDERS

Three aerial photo providers joined our group to discuss their products and how we would be able use their data within our GISs. The providers were Aerial Photobank, Lenska Aerial Images, and Eagle Aerial Photography. We had a set of standard questions that went out with the last meeting agenda. Answers to these questions can be found in the table below, followed by short descriptions of the products presented.

| Question | Aerial Fotobank | Lenska Aerial Images | Eagle Aerial Photography |
|---|---|---|---|
| Data Resolution? | 1 meter standard. To 3 inch if needed. | .5 & 1 meter | 1 meter |
| Image Altitude? | 21,000 standard | 21,000 current; planned 18,000 | |
| Image Type? | Black & White and color aerials | Black & White and color aerials | Vertical and Oblique color aerials |
| Data Date? | 1998 | San Diego 8/21/98 Orange 11/13/98 | 1999 in San Diego |

| Question | Aerial Fotobank | Lenska Aerial Images | Eagle Aerial Photography |
|---|---|---|---|
| Update Schedule? | Yearly | April 2000-to match Census. Update yearly, more as needed | |
| Extent? Sub-areas? | Western San Diego, Riverside, and Los Angeles counties. All of Orange, and portions of San Luis Obispo, Santa Barbara, and Ventura counties. | Most of western portion of county. Can fly more if needed. Sub-areas with prior notice. | San Diego, Los Angeles, Riverside, San Bernardino, Orange Counties. As well as areas in other states. |
| Cost? | | County-wide mosaic $4,500 (single user), $9,900 (multi-user). | |
| Limitations on Use? | | All images are copyrighted. | Single and network licenses for software. |
| Geocoding? Projection? | UTM NAD 27. State Plane soon. | Lat/long NAD 83. Can also do State Plane. | State Plane NAD 83, zone 6. |
| Rectification? | | Not standard. | |
| Edge-matching? | | Yes. | |

| Aerial Fotobank Inc. | Lenska Aerial Images | Eagle Aerial Images |
|---|---|---|
| 6181 Cornerstone Ct. E., #106<br>San Diego CA 92121<br>(619) 455-0780<br>(619) 455-9683 FAX<br>www.aerialfotobank.com | 6755 Mira Mesa Blvd. #119<br>San Diego CA 92121<br>(619) 453-1585<br>1-800-300-2759<br>(619) 453-7884 FAX<br>www.lenska.com | 3198 #K Airport Loop Road<br>Costa Mesa CA 92626<br>(714) 754-7670<br>(760) 438-0770<br>(714) 641-7593 FAX<br>www.eagleaerial.com |

The vendors are all just getting into the digital aerial imagery market. They have a varying number of years in the hard-copy imagery field. Each company seemed very open to hearing what the GIS community requires to make this imagery useful to them.

The companies all have (or are finishing development on) applications which allow you to view their imagery, overlay vector data, query data layers, pan/zoom, etc. Two of these applications are designed as stand-alone tools for viewing the data, as opposed to a tool for creating a digital image of a select area to be used within a GIS package. The package

from Eagle Aerial isn't as robust in stand-alone mode, but is much more compatible with image output for use within a GIS.

**Aerial Fotobank** has been in the aerial imagery field for 40 years. Their mapping program is called Aerial Navigator, and runs about $4,200 for the full county. Costs change depending on the capabilities of the different versions. This program contains the DynaMap2000 street atlas. The software will export files as jpg, tiff, or tifw. Lenska is a MrSID reseller and provides MrSID compression services.

**Lenska Aerial Images** admits to being new to the GIS field, but says they are pouring lots of money into developing GIS capabilities. They have been in the aerial imagery field for 10 years, and are a MrSID reseller. They also said they are always looking for GIS interns.

**Eagle Aerial**'s application – PhotoMapper – will export images as a GIS layer. Their product is currently the only one that is in State Plane NAD 83. This application also includes TIGER data files.