

## **SUB-REGIONAL IMAGERY PROJECT PARTICIPANT MEETING**

**Tuesday, June 24th, 2008  
9 to 11 a.m.**

The SDRGC Imagery Subcommittee and SANDAG Service Bureau discussed project specs (imagery only), DTM requirements, and Administrative schedule and procedures (MOU process, RFP process, and contract process) with approximately 25 interested agencies.

### **1. Welcome and Introductions**

Wendy and Karl discussed the project background and current status. The Powerpoint presentation is on the SDRGC website.

### **2. Imagery Participant Survey Results**

Karl and Wendy presented the findings and discussed the key issues from the Imagery Participant Survey.

#### **a) Image Product**

- USGS will resample the orthos to a coarser resolution (6-inch or 1 ft) and put the data into the public domain on the USGS website
- SDGE is not willing to release imagery at 1ft resolution in the public domain.
- There was some discussion on the possibility of purchasing sections of tiles for agencies only requiring coverage of their corridors; however, most agreed that the cost of each tile should be split evenly by the number of agencies requiring a particular tile versus pro-rated on proportion of area needed.

#### **b) Terrain Data**

- Paul H. mentioned that the 2005 City of San Diego LiDAR is in the public domain and available through USGS.
- Estimate from Merrick to purchase existing 2005 raw LiDAR collected from the 2005 partnership effort would be approximately \$160 per square mile (costs to acquire new LiDAR data will be significantly higher than that).
- Dan H from Escondido suggested that agencies, who need terrain data and are covered by Merrick's 2005 LiDAR, work together to purchase the LiDAR from Merrick.
- Is Merrick 2005 LiDAR at a 'lower level' east of I-15? Will it only support the generation of 5-ft contours rather than 2-ft contours in that area?
- Is 2003 regional NOAA DEM (3-meter resolution) too coarse for use in this project (to orthorectify to ASPRS 1" = 100 ft map accuracy standards)?
- Vista needs to have LiDAR data converted to NAVD27. Do any other agencies need that?
- After the July 9 SDRGC quarterly meeting there will be a presentation by HJW re: the generation of autocorrelated terrain models from digital imagery and their use in orthorectifying imagery. If you don't have an existing high-res terrain model, you should attend this presentation. It will be at SANDAG from 1:30 to 3:30 in the 7<sup>th</sup> Floor Conference Room.

- c) Out of Scope Products
  - Airport Authority wants true orthos and 3" resolution. Atta mentioned that the Airport had a rooftop survey done, which may be used in generating true orthos.

### 3. Project Administration

Cheryl Mason from the SANDAG Service Bureau discussed the project administration and timeline.

- a) Project administration
  - Cheryl handed out a description of the project administration process and proposed timeline (the handout is on the SDRGC website)
  - All participating agencies will need to sign a legally binding MOU committing them to the project
  - SANDAG will post their MOU template on their ftp site for agency internal review and acceptance
  - The SANDAG Service Bureau will administer the project for a 15% fee
- b) Project timeline/milestones
  - The current schedule shows the flight will be Fall 2009 (FY10 Q1-2)
  - SANDAG will invoice agencies 3 times: 25% at MOU signing, 25% at contract award, and 50% at final deliverable. This means the funding will need to straddle 2 fiscal years – FY09 and FY10.
  - RFP will go out with 2 bids: one for image acquisition, and the other for QA/QC
- c) Budgetary cost estimates
  - \$500 per sq mile – imagery only; agency provides DTM to vendor
  - \$900 per sq mile – imagery; terrain spot updates; regenerate 2ft contours (all?); agency provides existing DTM to vendor
  - \$1200 per sq mile – imagery; DTM, 2 ft contours; agency does not have existing DTM at start of project
  - 30% padding should be included on the cost estimates above to cover administrative and QA/QC costs
  - USGS has funds available to contribute towards the project (75K?). These funds would go toward the base cost of imagery for the overall project. USGS participation requires that the imagery for all or a significant portion of the project be placed in the public domain after the project is completed. The imagery placed in the public domain could be at a reduced resolution than the final products received by the partners.
  - SDSURF has requested UASI grant funds for this project as well. Awards will not be granted until August or September 2008.
- d) Contract issues
  - Key for many agencies is to have a contract awarded in FY09 (by June 2009).
  - Agencies unable to straddle funding in 2 fiscal years have the option of paying fully in FY09.
  - Not all agencies will be able to release funds prior to some deliverable

- Agencies are concerned that they may not get approval for funding at full cost; but think they could get approval using the 'shared' cost.
- SDGE does not think they can submit payments during MOU and contract award phases.

#### 4. Map and Tile Selection

Mettja showed everyone a map of the current tile selection. The map can be found on the SDRGC website.

- As of 6/24/08, these agencies want to change their tile selections: SDGE, CCDC, Vista, Poway, Escondido
- Mettja will post the updated tile selection shapefile on the SANDAG ftp site in July
- Mettja will post the shapefile of the 2005 LiDAR coverage on the SANDAG ftp site.

#### **ACTION ITEMS:**

BY JULY 16, all agencies should have:

1. chosen their preliminary tile selections
2. completed the 'matrix' indicating products needed
3. finalized a list of their product specifications (including extras, out-of-scope items, and required base products) for inclusion in the MOU
4. provided SANDAG (Cheryl Mason – [cma@sandag.org](mailto:cma@sandag.org) – (619) 699-1951) with the 'Information Required from Agencies' on the handout given out at the meeting
5. have internal review of the MOU with appropriate staff

BY JULY 23, all agencies should have:

1. finalized their tile selections
2. estimated their full tile costs (including extras and out-of-scope items)

BY JULY 30, all agencies should have:

1. provided budgetary cost estimates for approval by appropriate staff (we suggest providing 3 cost estimates:
  - 1 – doing the project on your own (including RFP, administration, flight mobilizations, etc);
  - 2 – doing the project with the regional partnership, using the full cost for all tiles in your AOI; and
  - 3 – doing the project with the regional partnership using potential shared tile costs.Explain that funding commitments should be at level 2 – although it is highly likely that you will be reimbursed down to funding level 3 as long as no overlapping partnering agency drops out.

**List of Attendants**

<b>Agency</b>	<b>Contact Name</b>
Airport Authority	Atta Aly
Borrego Water District	Greg Holloway
CalTrans	Pat Landrum
CalTrans	Barbara Kent
Carlsbad	Karl von Schlieder
Chula Vista	Bob Blackwelder
Coronado	Peter Fait
County Water Authority	Matt Brown
Encinitas	Wendy Flynn
Escondido	Dan Hildebrand
Heartland Fire	Bob Ordeck
Imperial Beach	Michael Piasecki
National City	Raymond Pe
Navy	Lisa Carman
North County Fire	Don Krafft
Oceanside	Talli Carey
Otay Water District	Leonel Torres
Port District	Malcolm Meikle
Poway	Brad S. Rosen
San Marcos	Mettja Kuna
Sandag	Cheryl Mason
Sandag	Grace Chung
Sandag	Sue Carnevale
SDGE	Jennifer Hall
SDGE	Rick Quinlan
SDSURF Homeland Security	Paul Hardwick
Solana Beach	Tina Christiansen
Sweetwater	George Silva
USFWS	Tony McKinney
USGS	Drew Decker
Viejas Fire	Ray Trussell
Vista	Richard Caldwell
Wild Animal Park	Mark Huston