

Imagery TWG Meeting Notes  
Idaho Water Center  
March 5, 2008

Attendees:

Margie Wilkins, IDWR  
Donna Pitzer, BOR  
Rob Sosnowski, ITD  
Nathan Bentley, Ada County  
Jim Hetherington, Boise City  
Jim Szpara, DEQ

Chandler Coleman  
Bill Kramber, IDWR  
Stacey Shaffer, IDARNG  
Keith Weber, ISU  
Frank Mynar, Idaho Power  
Chris Clay, IDL

Gail Ewart, DoA/IGO  
Scott Van Hoff, USGS  
Don Patterson, USFS – R1\*  
Mike McGuire, Ascent GIS\*  
Frank Roberts, CdA Tribe\*  
Laurie Ames, Nez Perce Tribe\*

\*via telephone

Report on Information Gathering: Gail Ewart

- Has not contacted Puget Sound LiDAR Consort – thought it was premature as we aren't to that point
- Gail has submitted a proposal to USGS to fund imagery consortium coordinator. Scott Van Hoff agrees for the need, but depends on USGS funding. Timeline for funding is unknown at this time.
- Bob Smith with IGO is setting up web pages specifically for framework groups.
- Asking all groups to examine how GIS has made life easier in our organization. Quantify if possible. Include things like carbon footprints, productivity, etc. She would like to catalog this information to present to decision makers since there is not enough CAP fund money available to do exhaustive ROI study. She would like to have the information back by June 1, 2008. The Oregon Geospatial Enterprise Office (GEO) website (<http://www.oregon.gov/DAS/EISPD/GEO/index.shtml>) has a good example of how to promote GIS coordination with their navigatOR video (<http://gis.oregon.gov/DAS/EISPD/GEO/navigatORformats.shtml>).

Information gathering with AGRC (Utah): Margie Wilkins

- Utah shared many details of their experience, however, the main point to walk away with is that their process required 2 FTE to coordinate. The lessons learned from Utah will be useful as the imagery wants/wishes/details of the group become better formulated. (I have added the notes in bullet form here for future reference and apologize for whittling down all this information gathered to just one main point at the meeting.)

Conference call with AGRC – Dennis Gorham and Jeannie Watanabe

02-06-08

- Products
  - NAIP (APFO)
    - natural color
    - CIR
  - LIDAR and Hi Resolution Imagery
    - (lead was AGRC, funded by Fed, State, County, Local agencies)
    - Autocorrelated DEM
    - 1 foot and 6 inch add-ons
- Absolute Control
  - Utah was the pilot project for absolute control
  - allows for < 1meter accuracy vs 5 meter with DOQQs
  - 3 controls per county
  - \$150 per control

- surveyor collected for accuracy
- APFO involved in determining discreet points
- Autocorrelated 5m DEMs
- Contract Structure & Administration
  - Consortium administration required 2FTs for 1.5 years
  - Unit price bids requested at rate / square mile
  - AGRC issued an RFI first
  - Sole source contract with vendor for NAIP
  - Sole source contract with vendors for CIR and 5m DEMs, HR for USGS 133 MSAs (1ft & .5ft around Salt Lake City), and 1m LiDAR for NGA; plus more partners for 2mLiDAR
  - Utah Legislature allocated \$500,000 for consortium administration and absolute control
  - invited agencies to expand coverage
  - 65 partners from all types of organizations, each with a contract
  - QA/QC performed by USGS Denver – NGPO (National Geospatial Program Office) and NGTOC (National Geospatial Technical Operations Center). Thousands of hours required.
- Distribution
  - Physical
    - TB drives transferred between partners;
    - specified 4000m x 4000m grids (1 ft data) or 2000m x 2000m grids (6" data)
  - OnLine
    - ftp (inefficient)
    - ESRI's Image Server
- Vendors
  - Northwest Geomatics (NAIP)
  - EarthData (autocorrelated DEMs)
  - Horizon (LIDAR – project manager)
  - APS40 camera (assures digital capture)
- Aquisition Specs
  - QA/QC
    - who will do it
    - provide samples of acceptable and/or unacceptable
    - consider building lean; shadows; and contrast within image
  - LIDAR
    - clean-up to be done
    - major break lines
    - how are water bodies to be handled (size and elevation?)
  - height of flight
  - % overlap of collections (tall bldgs need 80%)
  - scheduling
    - flights (weather and fire delays)
    - QC deliverables
    - penalties for missing deadlines
  - public data vs compensation
  - jpeg2000 vs MrSID
  - FUNDING

- Utah legislature allocated \$500,000 for consortium administration and collection of control, and filling in data gaps
  - FEMA Flood Map Modernization program contributed
  - Sold project comparing cost of individual projects with Statewide approach
- Jeanne Watanabe comes to Idaho frequently and is willing to meet with us in Boise if so desired.

Discussion on the Next Steps for this group: What products is this group interested in?

- Nathan Bentley
  - how to combine w/ NAIP
  - Interested in buy up if possible
  - 6" product for urban areas, 1 foot for rural – never have been able to get entire county
- Gail - private contributions may have mechanism in place
- Don Patterson
  - likes NAIP
  - interested in natural color with 4<sup>th</sup> band CIR
  - budget cycle requires that he submit request to USFS for funds within next 2 months.
  - FS contributes at national level to APFO, but it also needs to be coordinated regionally
- Mike McGuire
  - Idaho is now at priority level 2
  - there is a 50/50 chance of partial coverage in 2008 at 1 meter, not 2 meter
  - suggests that, with partners, a state will move up in priority
  - letters of intent should go to Toni Williams w/FSA to demonstrate partnership. Report what the state has "collected" and keep FSA informed – this will move Idaho up in priority
- Keith Weber
  - requires 1 meter product
  - CIR is not critical
  - Keith met with people from the Potato Grower's Association (?). They use NAIP to make decisions about planting potatoes which, in turn, impacts global markets.
- Margie
  - suggested to send out something to the group gauge interest
- Frank Roberts
  - Potential funding model – the flow of funds needs to be considered
  - an IGO would take care of these details
- Action Item:
  - a letter of interest will be put together and sent out. Results will be collected and compiled.
  - should attempt to send out letter of interest in 2 weeks
  - may also include an on-line survey with a paper option
  - Keith, Gail, Margie will work out survey format
  - Rob offered to help with compilation of results.
- Nancy Glenn via Keith Weber
  - agreement with SPOT to use data if user belongs to AmericaView
  - AmericaView can only give \$20,000/year rather than the previously discussed \$80,000 for affiliates/partners.

- Next meeting scheduled for Wednesday, April 2<sup>nd</sup> 10-12 with suggestion that everyone mark their calendars for the first Wednesday of the month for Imagery TWG meetings to avoid scheduling conflicts.