

Imagery TWG Meeting Notes  
Idaho Water Center  
June 2, 2010

Attendees:

Margie Wilkins, IDWR	Gail Ewart, IGO	Bruce Godfrey, INSIDE Idaho*
Jerry, Korol, NRCS	Wilma Robertson, IGO	Dawn Leatham, Bonneville Co. *
Scott Van Hoff, USGS	Jim Szpara, DEQ	Carl Balmforth, Bingham Co.*
Walt Bulawa, Tax	Keith Weber, ISU*	Laurie Ames, Nez Perce Tribe*

\*via telephone

**Update from USDA/FSA: (Margie)**

- Although Toni Williams was unable to attend today's meeting, she had previously sent Margie contractor's reports on the QC done for Idaho. Unfortunately, background images in the report were missing (stripped by email security?). Corrected reports have been requested.
- Margie will post reports on Framework /Imagery TWG site when they become available.
- Gail mentioned that Mike McGuire with Ascent GIS would like the opportunity to discuss some of the QA/QC issues from the Surdex perspective.

**Imagery Services: (Keith and Bruce)**

- Both ISU and INSIDE Idaho have the services up and running!!! There were some problems creating caches, but those problems have been resolved. Data was moved between ISU and INSIDE Idaho using Internet 2.
- Both ISU and INSIDE Idaho provide one Image Services and multiple Map Services
- Quick re-cap on the difference between image services and map services:
  - Image service
    - 4-band data, therefore can switch from natural color to false color within the same service
    - raw data with original RGB and infrared pixel values
    - user can clip scenes up to 20,000 X 20,000 pixels (INSIDE image service only)
    - bit slower than a map service
  - Map service
    - 3-band data
    - Separate natural color and false color services
    - Cached map service serves a "picture" of the data
    - Faster performance than an image service
- Both Map and Image services can be accessed using layer files that users bring into ArcMap using the "Add Data" button. Those layer files will automatically connect to the correct server and bring in the correct bands.
- INSIDE offers a polygon footprint layer labeled with QQ image name and collection date. Using the identify tool on the footprints layer lists hotlinks to open the QQ metadata URL or download the QQ tif.
- Margie will email layer files to partners. Bruce and Keith will post layer files on their respective websites.
  - <http://beta.insideidaho.org/> (INSIDE Idaho)
  - [http://giscenter-sl.isu.edu/AOC/AOC\\_DOQQ/Idaho/7-NAIP\\_2009/LayerFiles/](http://giscenter-sl.isu.edu/AOC/AOC_DOQQ/Idaho/7-NAIP_2009/LayerFiles/) (ISU's GIS TReC)
- Noted post-meeting: The layer files were created using ArcGIS 9.3. Layer files will not work directly in earlier versions of ArcGIS, however, making a direct connection to ArcGIS Server will allow access to the image and map services. Email Margie for instructions to connect directly to ArcGIS Server if necessary.
- If there are problems with a service, users can look at the properties of the layer file to determine which server is having problems.

- IDWR has completed the creation of 100K tiles and once the metadata is complete (in the next couple of days) those files will be sent to INSIDE Idaho to be made available for download. ([updated post-meeting after referring to the Imagery TWG's February Meeting Notes.](#))
- Some discussions have taken place between Keith and Bruce about ways to optimize traffic between ISU's and INSIDE Idaho's service. It is difficult and requires expensive software to automatically direct users to a specific service based on geography (i.e., using the geographically closest location). Since links to both servers will be posted on the ISU and INSIDE Idaho websites, it is believed users will "self regulate" and go to the service that works best for them.

#### **Other items**

- In the near future Wilma Robertson (Framework Coordinator) will conduct interviews with the major Imagery TWG Stakeholders and Partners to determine the "lessons learned" to find out what worked well, what did not work, and how the process could be improved next time NAIP is flown.
- Gail Ewart suggested that we should have a discussion during the next TWG meeting about the 2011 NAIP capture and if/how we would like to participate. Margie will email this agenda item to TWG members early so they have time to consult within their organization about their position on this.

## **NEXT MEETING JULY 7th**

These notes are provided for general information purposes only and are intended to highlight major points of the shared discussion. Our meetings are not recorded, but every effort has been made to ensure the accuracy of information presented; however, errors may be present as well as omissions of pertinent discussion. As Imagery TWG lead, I value the opportunity to participate in the discussion and am not always able to document all verbal exchanges. "Thank You" to Wilma Robertson for her assistance with this month's notes. Thank you – mw