

Imagery TWG Meeting Notes  
Idaho Water Center  
April 15, 2009

Attendees:

Margie Wilkins, IDWR	Eric Rafn, IDWR	Craig Molander, Surdex*
Toni Williams, FSA	Michael Ciscell, IDWR	Todd Quast, Cassia Co.*
Jerry Korol, NRCS	Nick Nydeggar, IDM	Keith Weber, ISU*
Donna Pitzer, USBR	David Paul	Don Patterson, USFS R1*
Gail Ewart, DoA/IGO	Mike McGuire, Ascent GIS*	Anne Hillyer, BPA*
Chris Clay, IDL	Scott Van Hoff, USGS*	Dawn Letham, Bonneville Co.*
Ross Dodge, COMPASS	Bruce Godfrey, INSIDEIdaho*	James Zehner, Idaho Co.*

\*via telephone

### Selection of 2009 NAIP Contractor for Idaho

- Toni Williams reported that APFO/FSA has selected Surdex as the 2009 NAIP Contractor for Idaho;
- however, funding has not been finalized through the appropriate Federal Agencies so no official signatures and contracts have been signed.
- Funding parameters are expected to be finalized on April 17<sup>th</sup>. The contract will be “officially” awarded at that time.
- We are allowed to proceed under the expectation that Surdex will be the contractor.

### Spending Authority Approved

- Gail reported that Joint Finance Appropriations Committee (JFAC) has approved the Imagery Spending Authority line item
- Imagery consortium needs the approval of the Legislature to spend the dollars we have secured
- It will not be a formal commitment until the budget bill is passed.

### Blurring Issues on Compressed County Mosaics (CCMs)

- Keith has done more testing with Minnesota (MN) data.
- Testing has most likely removed the following as possible causes for the blurring:
  - ArcGIS software
  - LizardTech software
  - camera (Zeiss DMC vs Leica ADS40-II)
  - inclusion of near infrared band
- Current thinking is that blurring is a result of tiling artifacts in large files that have been compressed into JPEG2000 format.
- MrSID uses a block architecture and does not have blurring issues.
- Errors are random and appear only in larger files (CCMs). We don't see the blurring in 4-band QQs compressed into JPEG2000.

**Additional Data Options** (see “Additional Data Options letter provided by Surdex” and “Follow-up on Additional Data Options provided by Surdex” on Framework website: <http://gis.idaho.gov/framework.htm>)

- Margie provided copies of Craig Molander's (Surdex) letter to attendees
- Craig briefly summarized the letter for phone attendees
- Surdex may offer additional products and/or software at additional cost
- nothing needs to be done right now, Surdex just wanted to make the consortium aware of the opportunity
- The task order with APFO/FSA requires that the CCMs be delivered by September 13<sup>th</sup> (or 30 days after final flight)
- One of the options is a seamless mosaic, 4-band dataset.
- The consortium must take into consideration the requested projection system for a seamless mosaic data set (e.g. State Plane has 3 zones, UTM has 2 zones, IDTM has 1 zone).
- Another option is to purchase re-projection software that may be (?) integrated with the seamless data set. This would allow various tiling schemes, projections, and band combinations. Margie asked for clarification on this option in Surdex's follow-up

- **ACTION ITEM:** Margie will request a cost estimate for the various options highlighted in Surdex's letter as well as some additional possibilities.

### Ground Control:

- Surdex will be setting ground control points (GCPs) themselves – approximately 40-60 statewide
- Minnesota set over 500 panels – probably overkill
- flight plans are determined first, then GCP locations
- Surdex will make GCP database available after the flight
- APFO is still requesting GCP submittals for review, particularly in Boundary, Lewis, Minidoka, Fremont, Madison, Teton, Franklin, and Bear Lake counties (see "Idaho Control Point Status (4/2/09) Graphic" on Framework website: <http://gis.idaho.gov/framework.htm>)

### Miscellaneous Discussion

#### Upgrades

- Gail reminded the group that although there is funding support from interested federal agencies for stereo pairs and high resolution, there is no FSA support for the "back office" requirements to support the upgrades (i.e. storage, processing work-hours, archiving, and QA/QC). The consortium is reminded to choose carefully what upgrades and custom orders are requested to most efficiently spend the limited funding dollars raised by the partnership.
- Available consortium funds above and beyond cost of the data (\$268,794 according to [http://gis.idaho.gov/framework/imagery/naip2008\\_costshare\\_estimates.pdf](http://gis.idaho.gov/framework/imagery/naip2008_costshare_estimates.pdf)) will be used to purchase equipment, software, and improve load capability for delivering the data to partners.
- All equipment needs must be made known to Gail ASAP in order to avoid any bottlenecks in distributing the data to partners.
- Surdex will provide upgrade cost estimates – stereo pairs, increased resolution for interested partners. Upgrades must not interfere with NAIP task order schedule and will require an additional contract between Surdex and the interested partner.

#### QA/QC

- The turn around for reporting CCM errors is very limited. It is very important that the consortium devote resources to QA/QC.
- **ACTION ITEM:** Margie will send out an email to partners confirming volunteer QA/QC assignments. See QA/QC Coverage for CCMs: Assignment Chart on <http://gis.idaho.gov/framework.htm>
- **ACTION ITEM:** Toni will contact APFO to determine the error reporting deadline
- It is important to deliver the CCMs to the consortium partners as quickly as possible even though the CCMs will also be made available through the NRCS Spatial Data Gateway. The consortium will attempt to serve partners first!

#### CCM Delivery

- Mike McGuire will provide Washington's dataset to Bruce for continued testing at INSIDE Idaho. Bruce, in turn, will provide the WA dataset to Keith for continued testing at ISU.
- FGDC supported metadata will be provided.

**NEXT MEETING MAY 6TH**