

Imagery TWG Meeting Notes
FSA Boise Office
January 16, 2008

Attendees:

Toni Williams, FSA	Donna Pitzer, BOR
Nancy Glenn, ISU	Keith Weber, ISU
Chandler Coleman	Scott Van Hoff, USGS
Bill Kramber, IDWR	Michael Ciscell, IDWR
Margie Wilkins, IDWR	Stacey Shaffer, IMD
Jason Talbot, APHIS	Brian Liberty, IPC
Chris Clay, IDL	Walt Bulawa, ISTC
Bob Smith, IGO	Michael Williamson, USFS/BNF
Gary Young, BOR	Gail Ewart, IGO
Frank Roberts, CdA Tribe*	Mike McGuire, Ascent GIS*
Eric Smith, Teton County*	Derek McNamara, CdA*
?, USFS (Salt Lake City)*	?, USFS (Idaho)*
Russ Jackson, BLM (Denver)*	Bruce Godfrey, U of I*
?, vendor, Seattle?*	Angela Vander Pas, Clearwater County
Cargie Aitchison, ITD	Jerry Korol, NRCS
Nathan Bentley, Ada County	Diane McConnaughey, BLM
John Courtright, BLM	Laurie Ames, Nez Perce Tribe*
Wendy Hawley, Census*	

*via telephone

Meeting Purposes: Reinvigorate Imagery TWG, establish new chair, begin partnership discussions for Imagery consortium purchase for 2009, including learning about USDA's NAIP program, developing a minimum standard, updating the implementation plan, sharing lessons learned from the previous imagery purchase, and getting to know each other and our organization's respective needs.

Introductions and logistics.

Idaho Geospatial Office (Gail Ewart)

Gail introduced herself as Idaho's Geospatial Information Officer and provided a brief peak into her approach and overall primary areas of emphasis over the coming year: Complete statewide strategic and business planning efforts and infuse structure, standards and stewardship into Framework efforts. Imagery is key to many other Framework themes, and getting an early start at a consortium positions us to take advantage of the most opportunities.

NAIP Program in 2009 (Toni Williams)

The NAIP program and its approach are maturing. The five-year cycle predominates, but some states are on a three-year cycle because of their

cohesion of the partnerships and funding streams. The three-year cycle is proposed for the entire program, with CLU occurring annually. There's still a potluck quality to the program in that the particular contractor assigned to Idaho may not be equipped to capture the imagery we decide we want.* NAIP is now offering 4-band imagery for higher cost. The partnership shares are in thirds: 1/3 FSA, 1/3 federal agencies, 1/3 all others. Costs are perQQ, regardless of how many units are purchased. Three-band costs \$1,271,790 for entire state, with \$423,930 being borne by all nonfederal partners. With a fourth band, the cost is \$1,486,976 statewide, and the nonfederal partners' share is \$486,976. (These are 2008 costs, so we'll need to get updated information when known.) Cut-off date for funds is December 15, 2008.

4-Band is probably going to be digital, but could be done with film (depends on the contractor you get).*

NAIP is leaf-on.

NAIP permits us to pick and choose the areas we want flown if not statewide.

NAIP is avoiding buy-ups because of the administrative lifting required.

*This is a risk we must acknowledge and mitigate.

IdahoView (Nancy Glenn)

IdahoView is a university-based initiative designed to promote the capture and use of remotely sensed imagery. It is part of AmericaView. Idaho is an affiliate member this year, with full membership coming next year. Partnerships are required to sustain the effort. To find out more, visit idahoview.org.

Discussion

1-meter resolution is sufficient for most uses.

Ada County and CdA Tribe will not be contributing because they already have been imagery. Mike McGuire will send Gail information on Washington's approach where King County is in a similar position.

How do we pay for this and future imagery cycles. Need to find a stable solution.

Generally agreed that JPEG2000 is the preferred format.

LiDAR – one-time purchase? Some agree; some disagree. Need variable resolution. Do we continue to assemble the state piecemeal? Estimated cost of statewide LiDAR estimated at about \$6M.

Strategies for reducing the cost include requesting only DEMs from the contractor and the public sector processes other products in-house.

Good model exists in the Puget Sound LiDAR Consortium

Action: Gail will invite someone from PSLC to share their experience.

Lessons Learned from 2004 Cycle

Frank Roberts:

- 1) 2004 IR was not flown at NADIR so it is somewhat useless since it doesn't register with RGB bands of the image, so make sure it is in the contract to get it flown at NADIR.
- 2) Getting IR from vendor at 2004 was time consuming and late, bundle hand off of IR into FSA contract if you want to get it sooner
- 3) 2006 1m was not as visually pleasing since it was a film collection, might want to make a bigger push for digital.
- 4) LiDAR may be a good investment to improve imagery, and it shouldn't be looked at as a separate thing from imagery. LiDAR data = better registration of imagery, especially if we take a jump to higher resolution of imagery.
- 5) We may be able to get higher resolution imagery for the same cost as the 1m if FSA will look at alternate vendors such as Pictometry.

Nathan Bentley:

- 1) Purchasing laws inhibited full partnership with the private sector
- 2) ????

Oregon's Lessons Learned (Gail recalled this info post-meeting)

- 1) For smoother copying and distribution, it's important to provide a directory structure to the contractor.
- 2) Be specific about datum/projection specifications, especially with contractors originating outside the USA.
- 3) Choose JPEG2000 for the format
- 4) Contractor should not build pyramids.

Imagery for the Nation (Nathan Bentley)

This is a NSGIC effort that has an excellent chance of leading to stable funding for capturing imagery nationwide. Nathan handed out materials from the website: <http://www.nsgic.org/hottopics/imageryforthenation.cfm>.

Leadership (Gail Ewart)

Gail broadly outlined the responsibilities as chair of the Imagery TWG and asked for nominations or a volunteer. Margie Wilkins, IDWR, accepted the challenge.

Next Meeting (Margie Wilkins)

Margie will find a date/time/place for the next meeting with 4-6 weeks of this one. She will announce on listserv.

Gail suggests figuring out what Idaho's needs are first and then examining how NAIP fits into those needs.