

## Resource Links

- [Idaho Geospatial Office Imagery Framework](#)
- [subscribe to the GeoTech ListServe](#)
- [Idaho State University's GIS Center's Spatial Data Library](#)
- [INSIDE Idaho Geospatial Clearinghouse](#)
- [USDA/APFO/FSA NAIP Image Server](#)
- [Prices for Aerial Imagery and Related Products- APFO](#)
- [USDA's Geospatial Data Gateway](#)
- [NAIP Collection status maps](#)

## NEXT MEETING February 7<sup>th</sup>

### November 1, 2017 Meeting Highlights

- 2017 Idaho NAIP:
  - [2017 NAIP Acquisition Status Map](#) – as of today, the status map shows that major portions of Boundary and Bonner Counties and a very small portion of Shoshone County have yet to be collected. However, Eric Buehler (FSA) reiterated that the maps may not show real-time collection status even though they are updated on a weekly basis.
  - 2017 NAIP flight specifications have been adjusted slightly to meet statewide delivery and to accommodate poor weather and various hazardous conditions (fire) in Idaho and surrounding states.
  - APFO is in the planning stages for new 5-year contracts and standards.
- Treasure Valley High Resolution Imagery opportunity:
  - Collected early Spring 2018 by [Aero-Graphics Geospatial Services](#)
- Google Imagery:
  - Bruce Godfrey (INSIDE Idaho), Bill Farnsworth (GIO), and Margie Wilkins (IDWR) attended a web-ex presentation by Google Imagery representatives [Kyle Campbell](#) and [Maurice Kholman](#) at their invitation on Oct 24<sup>th</sup>. The main takeaway points are 1) Google imagery has come down in price and 2) may serve as a viable alternative especially if pursued in a piecemeal fashion by interested entities.
    - Approximate cost for RGB 6" imagery for Idaho is \$649,293 (Idaho = 216,431 km<sup>2</sup>; imagery = \$3.00/km<sup>2</sup>)
    - Additional \$0.02/GB/month for hosting
    - Additional costs for storage is approx. \$10,000/yr
    - Management of licensed user access varies: one option is by a Google partner, Applied Geographics, or Idaho may set up its own management system.
    - Data may be displayed in public web applications but not the services or as downloadable data
    - Downloadable access by licensed users
  - See below for presentations provided by Google Imagery:
    - [Google Imagery partnership](#) provides mission critical map context for Utah government
    - [Response Summary](#) on Utah's Licensed Google Imagery and Base Map Services
  - Blaine County is very happy with the Google imagery purchase they made in 2016. [Sam Young](#), GIS Manager of Blaine County, invites anyone who would like to hear about their experience to contact him.
- LiDAR
  - Quantum Spatial completed LiDAR collection for Bear Lake County and Franklin County – an area of 1,054,130 acres
  - Data will eventually be available via the [LiDAR Consortium website](#)
- [SWIG](#)
  - [Map Mania 2017](#): November 18 at the [Boise WaterShed](#)
  - There will be a meeting February 22-23, 2018 with the theme of "Lessons Learned". Extended Esri workshops will be offered.
- The aerial imagery survey to investigate what aerial imagery properties and associated services are most important for discovery, access, and explorability of aerial imagery collections conducted by [Bruce](#)

[Godfrey](#), INSIDE Idaho's GIS Librarian, is now closed. The number of responses to the survey have been broken out by work categories:

Federal Government	8
State Government	30
Local Government	36
Tribal Government	3
Academic Institution	21
Private Company	13
Other	3

## August 2, 2017 Meeting Highlights

- 2017 Idaho NAIP:
  - [2017 NAIP Acquisition Status Map](#)
  - Appears that the Idaho flight season will be extended beyond August 1<sup>st</sup> since only half (?) of the state has been collected
  - This year is the last in current federal NAIP cycle – new contracts, standards are being discussed/planned
  - FSA/APFO collected ground control points this summer to assist in NAIP orthorectification
    - This topic lead to discussion of the [Multi-State Control Point Database MCPD](#) (requires Adobe Flash Player version 11.1.0 or greater) or <http://giscenter.isu.edu/research/Techpg/GC/>
- Hexagon update: contact [Mike McGuire](#) for specifics
  - Wide Area Coverage (WAC) in Idaho is being refreshed this year – 1 ft resolution
  - Urban Area Coverage (UAC) in Idaho is not being refreshed
  - 2017 data is expected to be available in the 1<sup>st</sup> Quarter of 2018
- LiDAR
  - [USGS Broad Agency Announcement \(BAA\) for 3DEP FY17 National Webinars](#):
    - August 10, 2017 at 1pm ET [Register](#)
    - August 17, 2017 at 3pm ET [Register](#)
- [Bruce Godfrey](#), INSIDE Idaho's GIS Librarian, encourages the GIS community to participate in the [aerial imagery survey](#) they are conducting to investigate what aerial imagery properties and associated services are most important for discovery, access, and explorability of aerial imagery collections. The survey will be available through August.

## May 3, 2017 Meeting Highlights

- 2017 Idaho NAIP data collection:
  - 1-meter resolution
  - Northwest Geomatics will be the vendor for Idaho
  - Early Access Web Service will *not* be available this year
  - CCMs expected to be included with deliverables
  - Flight schedule: approximate and dependent on weather, fire, etc
    - Western Idaho: ~ June 1 – July 15
    - Eastern Idaho: ~ July 15 – August 1
  - GIO [Bill Farnsworth](#) has agreed to purchase data on external drives as in past years
- The Idaho Geologic Survey (IGS) is interested in production of state-wide stereo-pairs and semi-global point cloud products in conjunction with the 2017 Idaho NAIP collection. IGS has set aside funds to contribute to the purchase of stereo pairs (cost for statewide coverage \$138,275.28) and is seeking advice and partners. Please contact [Bill Phillips](#) for further information 208.885.8928
- [Jessie Sherburne](#), coordinator for the [Idaho LiDAR Consortium](#), spoke briefly about the [Statewide LiDAR Plan](#) and [The Priority Watershed Survey](#). She will be conducting a survey to: find and connect LiDAR interested parties; create a top 10 priority list of areas (by HUC) for LiDAR collection; discern and encourage collection of other products that may be available during LiDAR collection, etc.
- Building off the [presentation](#) he gave late last year for re-organizing the aerial imagery collection in preparation for creating a single service providing access to all of the individual imagery dataset, Bruce Godfrey will be

conducting a survey to investigate what properties (date, spatial resolution, rectification, # of bands, leaf status, etc) are most important to users in order to be able to explore the data more efficiently. Contact [Bruce Godfrey](#) if you would like to be involved in forming and creating the survey.

- 2017 Flooding Events – Imagery inquiries/interest
  - Boise River Flood Control District #10 has acquired high resolution aerial imagery over the Boise River (from the Snake River below Parma to Lucky Peak Dam above Boise) on April 5 and April 21, 2017.
    - April 5 images (are “Public Domain;” copy rights have been forfeited):
      - Project sponsorship by [Boise River Flood Control District #10](#)
      - Project management by [Quadrant Consulting](#) of Boise, Idaho (208.342.0091)
      - Images are compressed to accommodate a [web-based distribution process](#); see map by [Idaho Airships, Inc.](#) of Boise, Idaho (208.861.2477)
      - Aerial images by [Valley Air Photos](#) of Caldwell, Idaho (208.454.1344); uncompressed images are available for a nominal handling fee at [info@valleyairphotos.com](mailto:info@valleyairphotos.com) or by calling Valley Air Photos at 208.454.1344
    - April 21 images:
      - Funding for these images is currently underway with a deadline of May 5, 2017. Interested parties may contact [Steve Sweet at Quadrant Consulting, Inc](#) for more information.
  - Hazards Data Distribution System (HDDS) from USGS’ EarthExplorer: the following information was made available after our meeting. Contact [Margie Wilkins](#) for additional documentation for the URLs listed below: (\*note – some access restrictions may apply)
    - [Hazards Data Distribution System \(HDDS\)](#): event based interface through USGS EarthExplorer
    - [Collection Management Tool \(CMT\)](#): events being supported through USGS Emergency Response
- Mike McGuire with Ascent GIS indicated in an email correspondence prior to our meeting that [Hexagon](#) expects a statewide, one-foot resolution, RGB/CIR refresh of Idaho imagery for 2017. Contact [Mike McGuire](#) for more information on Hexagon’s streaming access to high resolution imagery.

## February 1, 2017 Meeting Highlights

- The Idaho Geologic Survey is interested in production of state-wide stereo-pairs and semi-global point cloud products in conjunction with the 2017 Idaho NAIP collection (as well as earlier collections) in order to assist with applied geologic hazard and mapping research the agency carries out throughout the state. IGS has set aside funds to contribute to the purchase of stereo pairs, and is seeking advice and partners on how to proceed. Please contact [Bill Phillips](#) for further information 208.885.8928
- There was a short discussion on the possibility of providing image services in Web Mercator projection in addition to the image services already provided. Although the addition/change is not technically difficult, some drawbacks to the Web Mercator projection were raised:
  - increased demands on the server side of the service
  - increased storage size by about 20%
  - decreased distance and area measurement accuraciesWe may address this topic again at a later date once more information is known about the reasons Web Mercator has been requested.
- FSA/APFO is currently re-negotiating the NAIP contract. The 2017 NAIP collection is considered to be an add-on year for the previous contracting cycle. New developments for 2018 and beyond will be announced through the geotech listserve and at future Imagery TWG meetings. [Eric Buehler](#) with FSA provided the following information regarding the NAIP in an after-meeting correspondence:
  - Idaho is in the plan to be flown in 2017 NAIP
  - Compressed County Mosaics (CCMs) will still be the same as previous contracts (there was some discussion regarding the possibility of future changes)
  - The current 2017 Idaho NAIP plan is for a 1m resolution flight. If funding allows, 60cm could be an option.
  - For 2018 and beyond, we are looking at 50cm to 60cm imagery.