

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](#)

[NAIP Collection status maps Prices for Aerial Imagery and Related Products- APFO](#)

[USDA's Geospatial Data Gateway – NAIP download](#)

NEXT MEETING FEBRUARY 5th , 2020

November 6, 2019

- NAIP:
 - Data acquisition for 2019 Idaho NAIP is complete.
 - NAIP specifications: ([Eric Buehler](#) is the Imagery TWG's FSA contact)
 - resolution: 60 cm (the new norm!)
 - specifications: 4-bands
 - Idaho vendor: Hexagon
 - size: approx. 3.2 TB
 - Check on the NRCS website for [Compressed County Mosaics](#): availability secure as part of the contract, but date unknown. Natural-color and color-infrared CCMs will be available for download.
 - [Bob Smith](#) (OITS) placed the APFO "REQUEST FOR AERIAL IMAGERY" (i.e. NAIP external drives) this morning so Idaho is in the queue for data delivery when 2019 is finalized and ready for distribution.
 - INSIDE Idaho ([Bruce Godfrey](#)) and ISU GIS TRc ([Keith Weber](#)) will serve the 2019 NAIP via image services. INSIDE provides access to all years of NAIP, ISU provides only the current year.
- Miscellaneous:
 - Those in the GIS community that would like to know about additional high resolution imagery products are welcome to contact [Mike McGuire](#) (Ascent GIS), who partners closely with [Hexagon](#).
 - [Sam Young](#) (Blaine County) may be interested in partnering to purchase high resolution imagery. Contact Sam if you would like to discuss details.
 - [Geoff Klein](#) (Idaho Department of Lands) is interested in talking with folks familiar with Phodar. "Phodar" refers to a 3D point cloud derived from photogrammetric processing of aerial photos. Please contact Geoff if you can provide any tips for obtaining, creating, or working with Phodar.
 - [Keith Weber](#) (ISU TRc) conducts monthly (ish) TECH Talks. Short 15 minute demonstrations cover various GIS topics.
 - Misc. Imagery-related Link: [Benchmark of Satellites Image Services for Precision Agricultural use](#)
- Lidar:
 - Lidar: [Jerry Korol](#) (NRCS) noted that FEMA is collecting Q1 and Q2 lidar for much of southern Idaho. Check the [Idaho Lidar Consortium](#) or the [Elevation Framework](#) page to stay up to date with lidar collections in Idaho.
 - The [Bi-Annual IGC meeting](#) is scheduled in conjunction with GIS Day on November 13th in Moscow, Idaho. The session from 1-2:30 (PST) will include updates from the IGC and Framework Technical Working Groups.
 - Misc. Lidar-related Link: [Open Topography](#)

August 7, 2019

- NAIP:
 - Data acquisition for 2019 Idaho NAIP is currently underway.
 - NAIP specifications:
 - acquisition cycle: every 3 years or better;
 - resolution: 60 cm;
 - specifications: 4-bands
 - [Compressed County Mosaics](#): availability secure as part of the contract, but date unknown. Natural-color and color-infrared CCMs will be available for download.
 - Idaho vendor: Hexagon
 - 2019 Idaho Acquisition Status Maps are unavailable.
 - [Background](#): in 2017, USDA initiated the realignment of a number of offices to improve customer service and maximize efficiency and in doing so established the Farm Production and Conservation (FPAC) Mission Area to: centralize business functions; modernize and consolidate Information Technology infrastructure and services; consolidate end-user services and data centers from 39 USDA data centers to a single data center and a back-up; reduce the number of Departmental legacy networks from 17 to five; and improve the USDA customer experience by creating online service portals that are easy-to-use, include additional self-service capabilities, and integrate data for common customers.
 - APFO field office recently relocated to a new building within Salt Lake City, UT
 - [December 2018 - January 2019 Government shutdown](#) slowed the initial progress of 2019 NAIP data collection
 - Although NAIP is financially healthy due to appropriated funds of the [2018 Farm Bill](#) (see SEC. 12612), funds are not necessarily being allocated to meet the timely nature of NAIP acquisition.
 - A likely transitory consequence of USDA consolidation may be reduced management and resource availability.
 - [Mike McGuire](#) (Ascent GIS), who partners closely with Hexagon, reports (from Hexagon) that 61% of Idaho has been collected.
- LANDSAT:
 - The Landsat Advisory Group (LAG) provided a [status report](#) to the National Geospatial Advisory Committee (NGAC) on June 12, 2019. Detailed discussion and findings are available in the full report, "[Evaluation Of A Range Of Landsat Data Cost Sharing Models](#)"

April 3, 2019

- LANDSAT:
 - According to a letter received by IDWR in response to IDWR's letter of support for keeping Landsat data free and open to the public: *"The Landsat Advisory Group is currently examining various technology and business models for future Landsat missions, including the continuity of the USGS's current full, free, and open data policy, the recovery of Landsat costs through user fees, and other possible approaches. The LAG's final recommendations, which will be publicly available by mid-2019, are advisory in nature for USGS and DOI leadership."*
 - GIO, Bill Farnsworth also received a similar letter thanking the IGC-EC/ITA for their Letter of Support.
 - [Landsat Science Team Members Support the Free and Open Landsat Data Policy](#)
- NAIP:

- Contracting is in progress for Statewide, 0.6 meter, 4-band Idaho coverage.
- flight schedule, as always, is fire and weather dependent
- Additional information, as it becomes available, will be shared via [Geotech List Server](#)

January 30, 2019 (interim update)

- NAIP:
[H. R. 2 became Public Law No. 115-334 on 2018-12-20](#)

SEC. 12612. NATIONAL AGRICULTURE IMAGERY PROGRAM.

(a) IN GENERAL.—The Secretary of Agriculture, acting through the Administrator of the Farm Service Agency, shall carry out a national agriculture imagery program to annually acquire aerial imagery during agricultural growing seasons from the continental United States.

(b) DATA.—The aerial imagery acquired under this section shall—

- (1) consist of high resolution processed digital imagery;
- (2) be made available in a format that can be provided to Federal, State, and private sector entities;
- (3) be technologically compatible with geospatial information technology; and
- (4) be consistent with the standards established by the Federal Geographic Data Committee.

(c) SUPPLEMENTAL SATELLITE IMAGERY.—The Secretary of Agriculture may supplement the aerial imagery collected under this section with satellite imagery.

(d) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated to carry out this section \$23,000,000 for fiscal year 2019 and each fiscal year thereafter.

November 7, 2018

- [Bruce Godfrey](#) (University of Idaho Library and INSIDE Idaho) presented a beta version of the [Idaho Aerial Imagery Explorer Application](#). The app enables users to explore and download digital, georeferenced aerial imagery from the UofI's library collection. Collections may be filtered by any combination of geographic location, year, resolution, rectification, and image type. Bruce welcomes your feedback and is accepting public imagery data for publication. Email [Bruce](#) for more information.
 - [GeoService](https://uidaho.maps.arcgis.com/home/item.html?id=e09c52ad1ee04077af56f6f6be4378483) (https://uidaho.maps.arcgis.com/home/item.html?id=e09c52ad1ee04077af56f6f6be4378483)
 - [Web Map](https://uidaho.maps.arcgis.com/home/item.html?id=1a7d854380c44f0387c2fb7a0e038356) (https://uidaho.maps.arcgis.com/home/item.html?id=1a7d854380c44f0387c2fb7a0e038356)
 - [Web App](https://uidaho.maps.arcgis.com/home/item.html?id=46daf3a711904a62aee702b616c9b527) (https://uidaho.maps.arcgis.com/home/item.html?id=46daf3a711904a62aee702b616c9b527)
 - [ArcGIS Group](https://uidaho.maps.arcgis.com/home/group.html?id=980b4d2408cb4f8292ea502dd86d1cf7&start=17&view=list#content) (https://uidaho.maps.arcgis.com/home/group.html?id=980b4d2408cb4f8292ea502dd86d1cf7&start=17&view=list#content)
- NAIP:
 - no final decisions have been made regarding the future of NAIP (following the 2019 collection).
 - Uncertain whether Idaho will be included in the 2019 collection (since federal funding budget of NAIP is not yet finalized).
 - Links:
 - [The National Imagery Summit: Proceedings, Outcomes, and Possible Next Steps](#)
 - [Geospatial Data as a Service: A Vital Investment in American Enterprise](#)
- LANDSAT:

- no final decisions have been made regarding fee recovery/cost sharing
- Margie Wilkins and Keith Weber will draft a letter of support regarding free access to Landsat data. It will be presented to the IGC-EC at their November 15, 2018 meeting for approval.
- Links:
 - [USGS Landsat Cost Recovery Study FAQs](#)
 - [Landsat Advisory Group \(LAG\) Status Report \(August 8, 2018\)](#)
 - [National Geospatial Advisory Committee Key Documents](#)
 - [Landsat Future Missions Recommendations](#)
 - [Landsat Data Cube Feasibility for Forecasting](#)
 - [National Geospatial Advisory Committee – Landsat Advisory Group Statement on Landsat Data Use and Charges \(September 28, 2012\)](#)

August 1, 2018

- Today's meeting consists primarily of a link dump...
 - From the [FGDC GeoPlatform-Imagery](#) website: NAIP will continue as a public domain dataset for the FY2019 acquisition period. (Idaho is not currently scheduled to be flown)
 - Due to funding shortfalls, the program is currently on a three-year refresh cycle.
 - RE: discussion/interest/possibility of a buy up the next time Idaho is flown - possibly 2020 if 3-year cycle is still in play. Based on information for the 2017 Idaho flight acquisition, ½ meter buy-up for Idaho was approximately \$275,000. All funding and signed agreements needed by January 15th.
 - Subscribe to the Google Forum [Save the NAIP](#) moderated by [Tom Lee of Mapbox](#). The following information comes from Tom's July 18th post:
 - [Nature article](#) explaining that the US Government may begin charging for Landsat as well.
 - [Landsat Advisory Group \(LAG\) Status Report](#): Nat'l Geospatial Advisory Committee
 - Note: slide 5 for background and slide 6 for timelines
 - Note: slide 8 for request for comments from User Community (<mailto:LandsatDataPolicy@usgs.gov>)
 - [Developing Federal Data Strategy](#) and its [associated RFP](#): although the deadline for comments was July 27th, look for the Draft Practices document that will open for review in October, 2018.
 - Organizations that do important work on open data issues:
 - [University Consortium for Geographic Information Science \(UCGIS\)](#)
 - [Urban and Regional Information Systems Association \(URISA\)](#)
 - [National States Geographic Information Council \(NSGIC\)](#)
 - [Association of Public Data Users \(APDU\)](#)
 - [Open Knowledge International \(OKFN\)](#)
 - [Sunlight Foundation](#)
 - [Public.Resource.Org](#)
 - [Data Coalition](#)
- [Recommendations For Possible Future U.S. Global Land Data Collection Missions Beyond Landsat 9](#)
- [Coordination Group Meeting FGDC Business Report](#)
- [2018 National Imagery Summit](#) – [Contact the Organizer](#) to request an invitation
- Presentation by Bruce Godfrey:
 - The University of Idaho Library offers a new image web service using the information obtained from last fall's survey results. The service is a derived mosaic dataset collection of all digital

georeferenced aerial image collections with enhanced discovery parameters built in for geographic extents, resolution, and acquisition date.

- [the presentation](#)
- [Idaho Digital Aerial Imagery Collections GeoService](#)
- Follow-up correspondence from [Mike McGuire](#) Assent GIS:
 - 2017 Statewide 1' is available now – price has not changed - \$9 per sq mile
 - 2018 6" populated places (50K +) - \$18 per sq mile available 1st quarter 2019
 - Streaming Services are available and Hexagon has become more flexible over time.

May 2, 2018 Meeting Highlights

- 2017 NAIP:
 - Bruce Godfrey with INSIDEIdaho and Keith Weber with ISU GIS TRcC have completed building the image services for the 2017 NAIP.
 - The data resides on two separate physical servers and is being served in two separate image services to minimize possible downtime.
 - In addition, USDA/APFO provides public access to the 2017 NAIP ([instructions](#) for adding a GIS service in ArcMAP)
 - REST endpoints for the various services:
 - **INSIDE Idaho:**
https://www.insideidaho.org/arcgis/rest/services/imagery/idaho_2017/ImageServer
 - **ISU's GIS TRcC:**
<https://gisu.rdc.isu.edu/server/rest/services/NAIP2017/ImageServer>
 - **USDA/APFO/FSA:**
<https://gis.apfo.usda.gov/arcgis/rest/services/NAIP/Idaho/ImageServer>
 - URLs for use in ArcGIS:
 - https://www.insideidaho.org/arcgis/services/imagery/idaho_2017/ImageServer
(NAD_1983_Idaho_TM)
 - <https://gisu.rdc.isu.edu:6443/arcgis/services/NAIP2017/ImageServer>
(NAD_1983_Idaho_TM)
 - <https://gis.apfo.usda.gov/arcgis/services/NAIP/Idaho/ImageServer>
(WGS_1984_Web_Mercator_Auxiliary_Sphere)
- 2018 NAIP:
 - 2018 NAIP is currently being flown for some states (Idaho is not flown in 2018)
 - status quo: 3-year cycle, 1-meter resolution
- Future of NAIP discussion
 - May 1, 2018 was the initial deadline given in the [November 2017 presentation](#) (slide 10) for a USDA decision regarding the future of the NAIP; however discussions are ongoing.
 - from the NSGIC newsletter: "USDA and DOI will host a National Imagery Summit from May 22 to 23, where NSGIC President Andy Rowan will present the states' perspective on the NAIP program, among other imagery issues. The summit, held at the USGS headquarters in Reston, VA, is being held on behalf of the Federal Geographic Data Committee (FGDC) for an invited audience of federal, state, local and tribal government representatives. The two-day event will focus on identifying policy concerns, including the need to establish a new framework for addressing future public needs for remote sensing data in this fast-changing environment The summit will also provide government agencies with an opportunity to address issues regarding access, funding, and administration of imagery."
 - see the [National Digital Orthoimagery Program \(NDOP\) FGDC Subcommittee 2018 Report](#) (slide 12) for additional information on the National Imagery Summit.

- An [article](#) in the journal Nature discusses the possibility that the US Government is reviewing data fees for Landsat as well as NAIP.
- Bruce Godfrey provided a quick summary of the aerial imagery survey that was conducted last fall investigating the properties and services most important to GIS/imagery users:
 - there were 114 responses to the survey
 - regarding imagery properties: geographic location, acquisition date, and resolution were most important
 - regarding image services: downloadable imagery was most important
 - information gained from the survey will inform the creation of a web application for discovery of aerial imagery
- COMPASS:
 - Eric Adolfson gave a brief description of [COMPASS](#)
 - For more information on how to get involved with the [Regional Geographic Advisory Workgroup](#) contact [Eric Adolfson](#)
- City of Caldwell imagery:
 - collected recently: 3" GSD, leaf-off, 4-band imagery
 - Contact information:
 - [Aero-graphics](#) in Salt Lake City, UT – [Bernie Doud](#)
 - Dave Marston – City of Caldwell – 208.455.4676
- Hexagon update:
 - improved as well as new Idaho data is available. Contact [Mike McGuire](#) with Ascent GIS for more information.

February 7, 2018 Meeting Highlights

- 2017 NAIP discussion:
 - 2017 Idaho NAIP access was provided internally to FSA around January 31, 2018
 - USDA/APFO provided public access to the 2017 NAIP on February 7, 2018
 - [Instructions](#) for adding data from APFO's ArcGIS Server into ArcMap
 - [REST endpoint](#) FOR APFO's service
 - Check the [NRCS website for 2017 NAIP Compressed County Mosaics \(CCMs\)](#) availability
 - Idaho Department of Administration will be purchasing external drive containing 2017 Idaho NAIP – contact [Bill Farnsworth](#) for information
- Future of NAIP discussion:
 - Attendees viewed the Powerpoint [presentation](#) given by John Mootz (APFO, Imagery Program Manager) to the FGDC Coordination Group meeting in November, 2017. [Eric Buehler](#) (FSA) provided comments and welcomed questions.
 - Specifics of the COTS (commercial off-the-shelf) licensing model are unknown at this time since no final decisions have been made regarding the NAIP
 - [Pam Bond](#) (IGC-EC Chair) presented a Letter of Support for the NAIP that the Idaho Geospatial Council will sponsor and send to the Idaho Congressional Delegation. A special teleconference will be organized to finalize the language of the letter.
 - The IGC-EC will provide a link to an [online petition](#) to “Keep NAIP Free and Open”. The petition will remain open for signatures until March 12, 2018.
 - Comments/questions/discussion from attendees:
 - How do changes to the NAIP affect the Imagery Theme of the [National Spatial Data Infrastructure](#)?
 - There is a need to stress the importance of using the same data (i.e. NAIP) for collaborative decision making

- Should there be a push to shift the burden for nationwide imagery from FSA to another federal agency?
 - Whatever happened to National States Geographic Information Council's (NSGIC) "Imagery for the Nation"?
 - Federal and State partnerships exclude each other because Federal rules require funding before deliverable is provided and State rules require deliverable before payment
 - Political pressure will be the ultimate influencer due to Congressional Appropriations rules
- Miscellaneous:
 - Feb. 7th 1:30: OITS Townhall Meeting to discuss the future direction for the proposed Office of Information Technology Services (OITS) and consolidation; contact [Bill Farnsworth](#)
 - Feb 28th 10:00 GIS Town Hall builds on Feb 7th Townhall meeting from a GIS perspective; contact [Bill Farnsworth](#)