

Oregon Imagery FIT minutes

Oregon Imagery Framework Implementation Team
November 5, 2015, Exec Office Building, Conference Room B

Attendance:

Brady Callahan, OPRD
Bob Harmon, OWRD
Eric Bohard, Clackamas County
Justin Houk, Metro
Jacob Cruser, ODS
Diana Walker, ODA
Eric McAvoy, Polk County
Cy Smith, DAS GEO
Tom Rohlfing, Marion County

2014 NAIP:

DAS GEO has a copy of the Quarter Quad data in UTM.

Pictometry:

As mentioned at previous IFIT meetings, several local/regional governments are looking at or have acquired Pictometry oblique data. Imagery FIT will arrange for a presentation.

Requirements discussion for imagery/services:

Regional Gov (Clackamas, Marion, Metro, Polk):

- NAIP not sufficient
- 6inch resolution for most areas, 1ft supplemental
- High horizontal accuracy required
- Spectral resolution RGB
- 1-3yr frequency
- Predominately leaf on
- Data used for mostly internal business, some public Web tools
- Local copy of data required
- Oblique imagery becoming more useful

State Gov (ODA, OWRD, OPRD):

- Acquisition projects at 3-6inch
- NAIP still useful especially due to 4-bands
- Spectral resolution mostly RGB some RGBNir
- 2-5yr frequency
- Leaf on
- Data used for mostly internal business, some public Web tools

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- Local copy of data required
- Access to historical data very important

Available statewide imagery products discussion

Satellite Data:

2014-2015 statewide, ~0.5m pan sharpened , mix of pan/RGBNir.

Hexagon:

2014 statewide, 1ft band sharpened RGBNir. Horizontal accuracy ~3m. Product basis is NAIP, summer leaf on.

Google:

2010-2015 depending on area, 6inch RGB (RGBNir available). Horizontal accuracy ~3m. Mix of leaf on/off.

NAIP:

Oregon 2016 1m. Last year of existing contract. New contract will likely have higher GSD options which could include the 'hi-res mode' from the ADS100 sensor or other technologies.

Possible Centralized Imagery Serving/Hosting

Imagery Web Services:

- Host most recent data plus past three historical datasets (e.g. 2014 (current), 2012, 2011, 2009)
- Web services are tiled only and utilize EPSG:3857 (Web Mercator Auxiliary Sphere)
- Tile levels are sufficient to support imagery native GSD (e.g. 1m/4513.9, 0.5m/2256.9, 1ft/1128.4, 0.5ft/564.2)

File Based Data Storage:

- Current imagery available from DAS/GEO - (low latency, external disk)
- Historical imagery available from DAS/GEO - (high latency, glacial storage)

Next Steps...

Solicit broader input on requirements discussion

Explore collaborative funding/contracting approaches (e.g. Metro approach)

Webinar/presentation on oblique imagery (Pictometry).