

E-FIT meeting, June 27th, 2017

DOGAMI Meeting Room

Attending: 14 attendees

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Tom Carslon USGS

Welcome and Introductions

Framework Development Program 2017-19 Request For Proposal:

Dick Lycan – 2nd review and discussion of the of the PSU FIT Proposal. Hydrofit supports this proposal.

Lowell Anthony – Updating NHD/WBD Features with Lidar. Proposal will updated the southern Oregon coast 5 HUCs. The updates will be based on available lidar data.

Matt Williams – Creating building footprint proposal. Assemble database of existing building footprints. Add FEMA funded building footprints to this dataset. The FEMA datasets will be based on lidar data. The dataset would need on-going inventory

EFIT related project updates

OLC John Day 3DEP 2017 – 80% of acquisition is complete

OLC Grass Valley 2017 – Project should be done by the beginning of August.

OLC Big Windy 2017 – lidar and ortho collected.

New River Bathymetric – bathymetric lidar collection of New River. BLM only partner.

Silver Creek – Submitted 3DEP project proposal to USGS. Hopeful we can order and collect in 2017.

Cascade-Siskiyou Natl. Monument – Acquisition completed.

All planned and developing lidar projects shared with Elevation FIT will be added to the OLC Lidar Data Viewer - <http://www.oregongeology.org/sub/lidardataviewer/index.htm>

Willamette Topobathy Lidar collection - Jacob Macdonald from USACE reported that the project is currently having bottom reflectance processed, the goal is to collect the whole river in 2017.

USFS has collected some areas using a company called Atlantic. Might be able to see this data in 2018.

DAS-GEO Statewide Remote Sensing Program

Brady Callahan of the Imagery FIT provided information: DAS-GEO has an RFP with Quantum Spatial that allows for collection of 3DEP spec or Oregon (OGIC) spec and that allows to define raster deliverables or can order both specs. The catalyst for this development was the creation of an Statewide Imagery collection that will begin in 2017.

Oregon Elevation Data Standards

Jake brought up the possible need to update the current Oregon elevation and lidar standards. Brady Callahan – Suggests that this group establish data standards for lidar, phodar and bathymetric data.

Currently we do not have a statewide standard for raster data products. As well as Digital Surface Models aka Highest Hit raster are important data products and should be continued (3DEP data does not require this dataset).

- The major takeaway from this conversation was that this group feels that we should not be very specific with any new data standards. Due to the nature of changing technology and changing landscape of remote sensing data standardization, it isn't beneficial for Oregon to devise rigid data standards especially those that restrict the collection and format of the source datasets. Establishing baseline standards for rasters and techniques for creating derivative products might be a better use of this committee's time. This topic needs to be investigated further at the next meetings.

BD Aerial Drone Presentation

BD Aerial is a Portland based drone company that collects lidar via a UAV system. This option for collecting elevation data is especially beneficial for small sites that need very dense point clouds. Company is able to collect imagery as well for various needs. BD Aerial discussed two previous collections – Eugene Water and Electrical Board and Skagit. The pricing for services does not include ground control but can be added for additional cost.

Closing Action Items

- Jake will work with Dick Lycan to assist his project in moving forward.
 - Further understanding of which products would be developed for public access.
 - Will try and get Dick's project endorsed by other FIT groups.
- Will need to reconvene the E-FIT once GEO FIT Funding has been opened for proposals .
 - Will need E-FIT voting members to vote on proposal endorsement.
- Future meetings (besides the FIT Funding discussion) will be scheduled quarterly – tentatively scheduled for early May.
- Continue to discuss fundamental elevation elements – which products are essential for the public to be able to access. More work is needed on this but can be a living discussion.
- Cory Plank of BLM shared that his unit is working on a UAV program and so may have some very area, high resolution data to contribute soon – more information coming soon.