

E-FIT Data Acquisition Advisory Committee Meeting Notes

Meeting held August 7, 2014, DAS West, Conference Room B

Attendees:

In person: Brett Juul, Phil Smith, Brady Callahan, Troy Wirth, Josh Tanner, Bob Harmon, Tyler Duffy, Brandt Melick, Cy Smith, Ian Madin, Corey Plank

Via phone: Ian Reid, Malavika Bishop, Peter Heinzen, Jimmy Kagan

Actions:

Approved E-FIT Data Acquisition Advisory Committee's 2014 3DEP pre-proposal analysis prioritization results

Endorsed 3DEP pre-proposal document from DOGAMI/Ian Madin

Meeting Summary:

Brandt started the meeting off with an overview of the Elevation FIT's Data Acquisition Advisory Committee (DAAC), why it was formed, and what its task was. Tyler Duffy then described the analysis process that went into the draft prioritization plan results. Afterwards, the floor was opened for comments on the draft plan.

Brady Callahan noted that he would have liked to see the survey results prior to release of the draft plan. He also wondered about the prioritization of themes and how economic drivers were represented, particularly agriculture, which was rated low relative to natural resources input data. Ian Madin noted that the majority of agricultural land in Oregon is already covered by lidar.

Jimmy Kagan noted that he thought the concept of completeness was not showing up in the way he expected; areas that were almost complete were not highlighted. Tyler noted that, on a watershed basis, a high proportion of lidar actually dropped the priority of that analysis area and that was by design. We discussed the possibility of modifying this criteria in future updates of the prioritization plan as we fill the state in with lidar.

Ian Reid noted that the plan does not currently incorporate potential funding from other partners in certain areas.

Ian Madin noted that this situation is in constant flux and very difficult to incorporate into a prioritization plan at this level.

Ian also noted that 3DEP pre-proposals are due by August 15 Final proposal is due Sept 26. Feedback from pre-proposals from USGS might help refine the final. NOTE: subsequent to our meeting, USGS announced the proposal due dates have been extended; pre-proposals are now due September 5 and full proposals will be due Oct 17. A pending USGS release of frequently asked questions regarding the 3DEP program may help refine the final version, rather than individual feedback on the preproposal.

For areas in eastern Oregon without partnership money, a combination of 3DEP and State money will likely be the only way to realistically fill the gaps.

Corey Plank noted that the map show low priority areas as federal lands, 51% BLM. Malheur-Burns district staff do not have technical capabilities to take advantage of lidar. Most of federal lidar funding is for west side forestlands.

Completeness - the sweet spots exist at the extremes Identify areas that are very close to completions
Show areas that are going to be done

Cy asked whether DOGAMI needs approval in order to apply for 3DEP grant. Ian M noted that they have pre-approval to do so that was provided by legislature.

Brady noted that the document is less of a plan, more of a ranking of priority areas. We decided to change the name to *2014 3DEP pre-proposal analysis prioritization results* to reflect this.

Issues raised today for next step analysis at a future DAAC meeting:

- Completeness Theme is still a question mark for the group. It was proposed that project areas that are almost complete or almost empty be treated as higher priority. For example, the raster layer could be reclassified so that 85% < coverage of project area < 15% receives a raster value of 1 whereas all other values receive a 0.
- Currently age is not an issue, but over the next couple over years lidar data sets will be falling out of the desirable age range (set by USGS as a goal in 3DEP as eight years or newer). This means we will want to accommodate flight date in the analysis.
- How to address Eastern Oregon lidar coverage?
- Survey results – how to better leverage survey results to drive the analysis? follow evolving projects
- The prioritization plan will be retitled to *2014 3DEP pre-proposal analysis prioritization results*
- Make sure we can accommodate some of these floating targets:
 - Existing project funding
 - Projects out of the blue

Lidar Prioritization Plan will be submitted for approval by OGIC. Next meeting is Sep 17, 2014.

Unanimous in attendance approval of prioritization results as described in the E-FIT Data Acquisition Advisory Committee's 2014 3DEP pre-proposal analysis prioritization results.

10 members at meeting

1 person on the phone

We then discussed the 3DEP pre-proposal authored by Ian Madin. Ian noted that it is limited to a maximum of five pages. The pre-proposal targets unflown parts of Very High and High Priority basins in the prioritization plan; specifically the Umpqua, Klamath, and Grande Ronde.

It proposes flying one basin per year for three years with a funding scheme comprised of state, federal, and 3DEP funding. The issue of QL1 vs QL2 is not addressed in the pre-proposal assuming guidance on this issue will come from USGS prior to full proposal deadline.

We discussed a separate riparian zone lidar proposal from The Freshwater Trust (TFT) that is also seeking funding net year. They need lidar to help with shade modeling to set a baseline for surface water quality improvements on 303(d) listed streams with temperature TMDLs. Their proposal is limited to a "spaghetti" of riparian buffers all over the state and would not have general usefulness beyond the

shade modeling/pollution credit monitoring scheme from the TFT. DEQ initially proposed a \$12M effort to fly all of the basins affected, which would be more generally valuable but also cost prohibitive. Jimmy Kagan (INR) is also looking at a hybrid approach which would combine lidar and imagery, using the lidar as a training data set for an imagery-based method of modeling riparian vegetation where lidar does not exist.

Unanimous in attendance indicated their support for the 3DEP pre proposal.

Ian then gave a status of current lidar projects in the collection and developing phase – of which there are many.

We then discussed the goal of having the E-FIT stewardship plan adopted by OGIC in the December meeting. An E-FIT meeting will be organized soon. A draft of the prioritization plan will be posted on the GEO website soon as will the 3DEP pre-proposal.

DAAC next steps:

Because this prioritization will be an on-going process, likely annually repeated, the committee should:

- Review the data layers and attributes used in the prioritization analysis
- Review buffers used in the analysis
- Review results of priority ranking
- Review survey results – explore other means of soliciting feedback

An Elevation FIT meeting will be scheduled later this Fall to report back on committee activities.