

## Question and Answers

### The 3D Nation Elevation Requirements and Benefits Study – Final Results

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#### [3D Nation Elevation Requirements and Benefits Study](#)

The 3D Nation Study Team would like your input on how you will use the report and the content and formats that would best support your information needs. Please share your thoughts [here](#).

### Participant Questions:

#### **When did the survey take place and how did you determine who to include?**

The survey went online in June 2018 and we collected information until mid-2019. We identified federal and state champions and asked them to reach out into their own communities to identify study participants, champion the vetting process, and consolidate and amend responses for their state, agency, or community. We validated all of the survey responses with the respondents to make sure their input was complete and had their final approval to include, which took time amidst shutdowns and covid.

#### **Can you explain the "HD" spec associated with the different QLs?**

In QL0 HD and QL1 HD, the HD stands for high density, which is 20 points per square meter, as opposed to the 8 points per square meter in QL0 and QL1. Technologies such as geiger mode lidar typically produce this level of density as opposed to linear mode lidar. See FAQ 11 here: [3D Nation Elevation Requirements and Benefits Study FAQs \(dewberry.com\)](#)

#### **With Frequency of update being more important than vertical accuracy, was there any comparison between frequency of update and point density?**

Not yet but we could make and include the comparison. When we did the analysis we tried to focus on the perspective of those in the field.

#### **For at least topographic data, is there any way to tease out the importance of other collection characteristics (i.e. 50% sidelap)??**

We did not ask specifically about the importance of sidelap. We did ask about the importance of other characteristics such as derivative products and how important data integration is with other datasets like aerial imagery, culverts, vegetative structure, etc.

**Is there any articulation planned between the NGAC 3DEP Analysis and the 3DNationStudy**

Information about the study was shared with the NGAC 3DEP Oversight committee.