# *DPH-13 Report on Use of the LAS Overlap Flag*

The USGS Lidar Base Specification Version 1.3 states: "The LAS specification version 1.4-R13 (ASPRS, 2011) includes a new overlap flag. Although strictly speaking, the term "overlap" would mean all lidar points lying within any overlapping areas of two or more swaths, the overlap bit flag is intended to identify overage points, which are only a subset of overlap points. For more information on the difference between overlap and overage, refer to Figures 4–5 (at the back of the report) and the "Glossary" section. Identification of overage points allows their simple exclusion from subsequent processes where the increased density and elevation variability they introduce is unwanted (that is, DEM generation). For some years, overage points were commonly identified using class 12, precluding other valuable classification (for example, bare-earth, water). The overlap bit flag provides a discrete method to identify overage points while preserving the ability to classify the points in the normal way. Overage points shall be identified using the LAS overlap bit flag in all point data deliverables."

The purpose of this section is to list the presence and quantities of points flagged as Overlap for all lidar data files.

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|---|---|
| Total Overlap points (all classes, all files) | 15551260969 |