DPH-12 Report on Use of the LAS Withheld Flag

The USGS Lidar Base Specification Version 2.1 states: "The withheld bit flag, as defined in LAS specification version 1.4–R15 (ASPRS, 2011), shall only be used to identify points that cannot be reasonably interpreted as valid surface returns. Examples include outliers, blunders, geometrically unreliable points, aerosol back-scatter, laser multi-path, airborne objects, and sensor anomalies. The withheld flag may be used in conjunction with other classification codes (low/high noise for example), but it should be used in all cases where the previously mentioned criteria are met."

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

Data Source - D:\00_ISGS\Final_Client_Tiles1

Total Withheld points in class 5 (all files)	94
Total Withheld points in class 7 (all files)	1915740
Total Withheld points in class 18 (all files)	75737796
Total Withheld points (all classes, all files)	77653630

DPH-12 Report on Use of the LAS Withheld Flag - continued

The purpose of this section is to show the presence and extent of points flagged as Withheld for all lidar data files.

Data Source - D:\00_ISGS\Final_Client_Tiles1
Result Path - D:\00_ISGS\ISGS_Wabash_Embarras_QC\DPH_12\Withheld.jpg