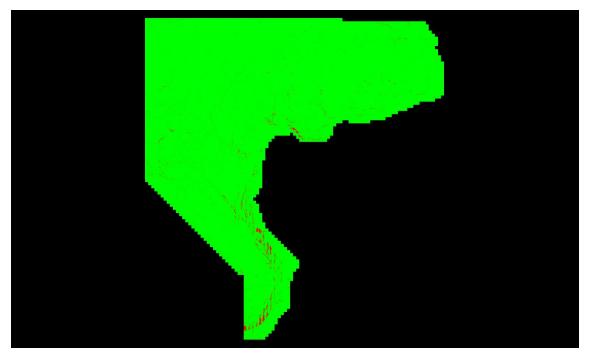## 1.5 Report on Data Voids (Swath Data)

The USGS LiDAR Base Specification Version 1.0 states that: "Data voids within a single swath are not acceptable, except in the following circumstances:
(1) where caused by water bodies. (2) where caused by areas of low near infra-red (NIR) reflectivity such as asphalt or composition roofing and
(3) where appropriately filled-in by another swath."

The purpose of this section is to show graphically where possible LiDAR data voids are located. Data voids can be caused by a lack of coverage at the time of collection, water bodies not reflecting the laser beam back to the receiver, LiDAR occlusions caused by objects above ground like tall buildings, etc. Not all data voids are problematic. The intention of this test is to isolate the first example of LiDAR data voids - a lack of coverage at the time of collection. A close inspection must be done on the results to determine if the LiDAR coverage was collected and processed to meet the intended specifications.

Data Source - E:\Pope_Hardin\Swath_LAS
E:\Pope_Hardin\QAQC2\1_5\Boresighted_DataVoids_SingleFile.jp2

Cell size: 10 US Survey Feet

Green: No data void (number of cells = 199,509,356)
Red: Data void (number of cells = 1,451,024)
Background Color: Null data
See JPG2000 file for full resolution results