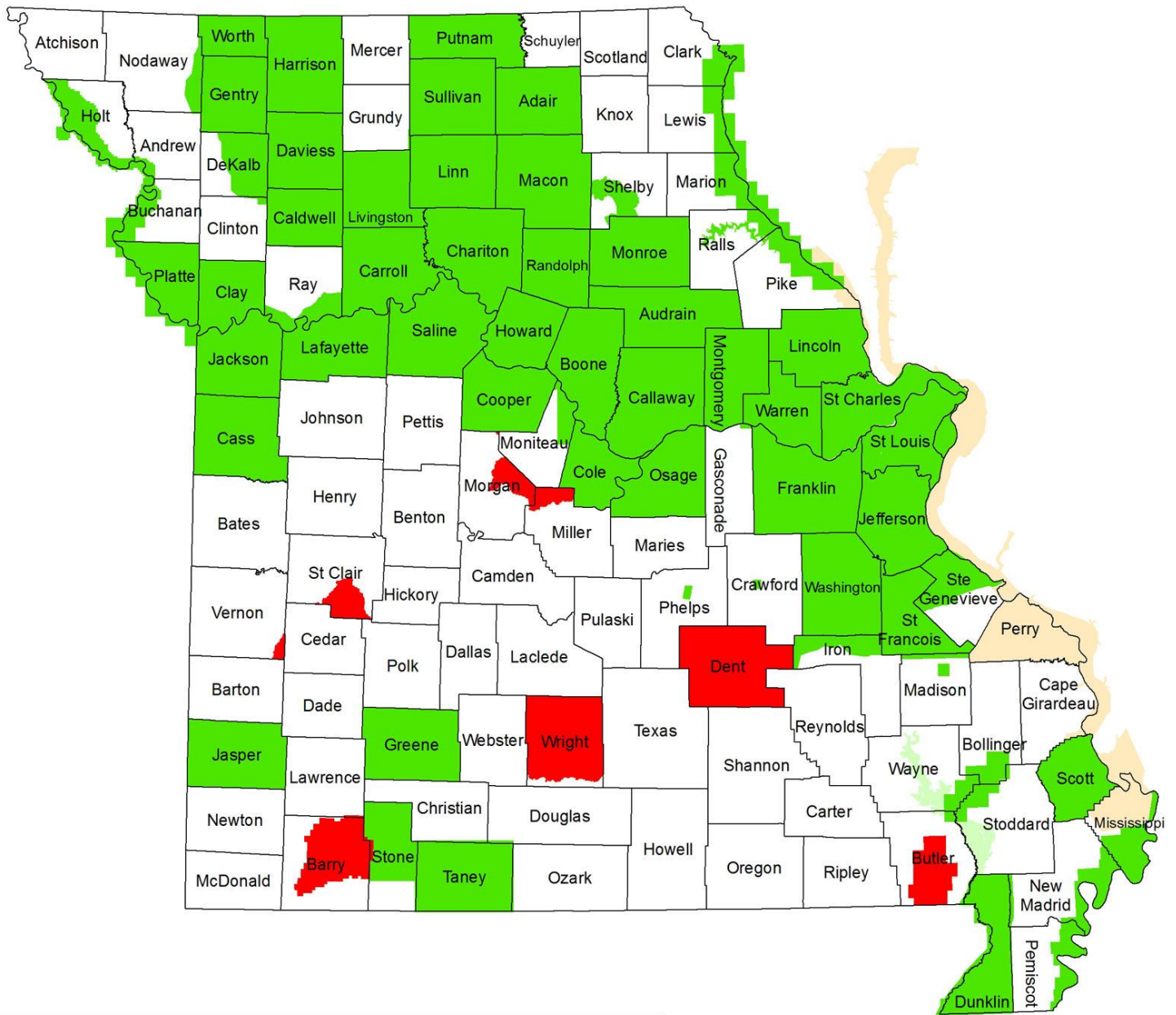# Status of
Elevation mapping from Airborne LiDAR in Missouri

Legend

Status

- Complete: RMSE <=18.5cm
- Pending: RMSE <= 18.5cm
- Complete, RISKMap specs
- Complete: RMSE <= 18.5 cm; Failed USGS QC

NOTE: RMSE (Root Mean Square Error) is the square root of the average of the set of squared differences between the modeled (DEM) elevation values and known elevations from an independent surveyed source. The overall vertical accuracy of a DEM is 1.96 times RMSE at the 95% confidence level.

RISKMap specs vary some, but generally have an RMSE of 72.6cm and only the floodplain areas are processed into DEMs. For more details on RISKMap see www.fema.gov/library/viewRecord.do?id=4345

Updated July 2013