Small-Area Estimation for FIA's National Woodland Owner Survey

Investigators

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Progress Period

Date of award to 31 January 2024

Progress

The PI began this phase of the project on 1 January 2024, so progress so far as been minimal. Efforts have focused primarily on finalizing the underlying land use and land ownership layer. Some unexpected processing errors have lead to a need to rerun the layer generation for a number of the states. As of this report, 40 of the 48 CONUS states are finalized (see figure below). The remainder will be through troubleshooting and rerun within the month. At which point, the PI can begin to focus on error estimation (the main thrust of this current project). To that end, the project team has begun the process of identifying sources of statistical error and creating a conceptual formula for their quantification.

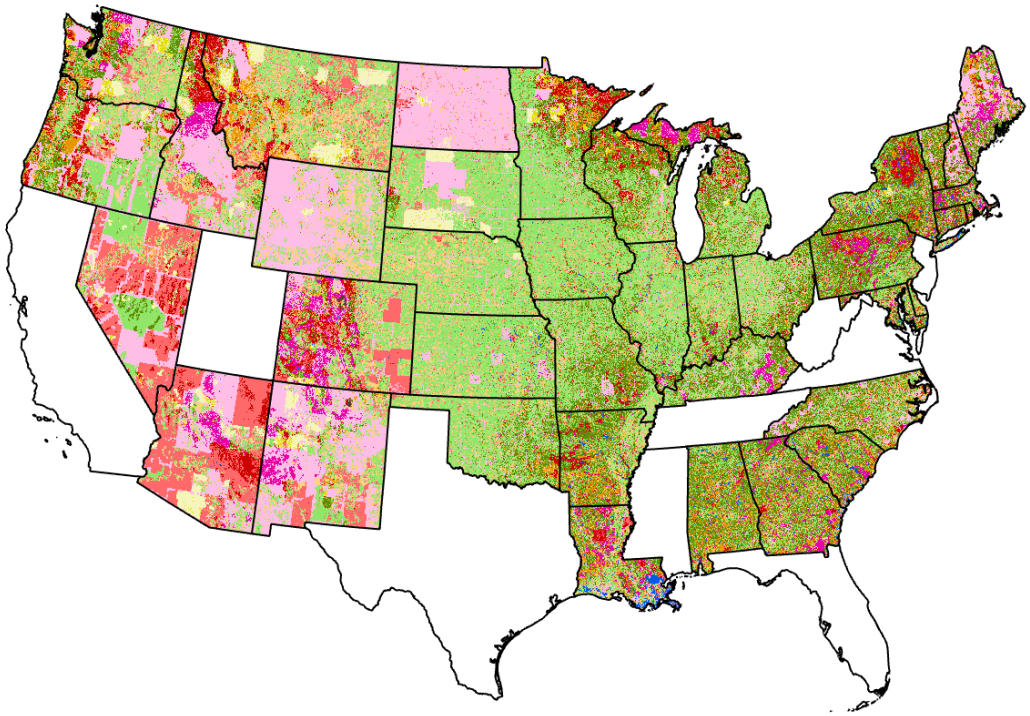

Figure 1: Nearly completed land use and land ownership layer. CONUS.

Next Period Plans

Over the next six months, the team will focus on formulating total survey error and identifying data sources that will allow a quantification of survey error at the pixel and parcel-level. This will involve both collation and integration of existing data on source error (i.e. published error estimates for NLCD layers) as well as quantification of the in-house algorithm for ownership classification.

Problems or Delays

Other than some slight delays in finalizing the land use and land ownership layer for some states (see above), we have not encountered any substantial problems or delays.