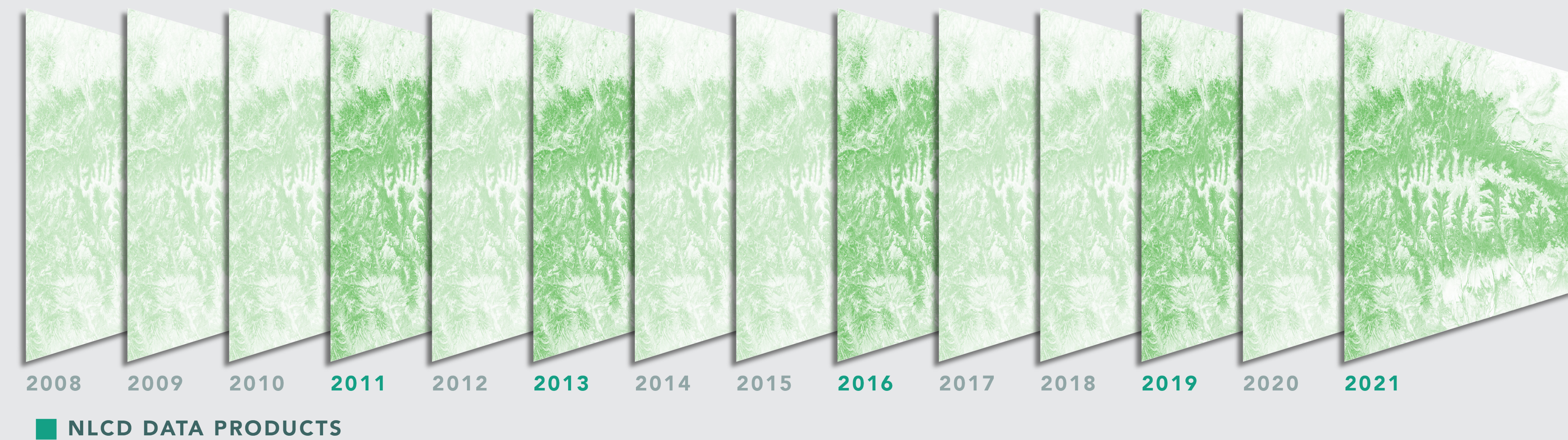




United States Department of Agriculture
Forest Service

2008-2021 ANNUAL TREE CANOPY COVER

The U.S. Forest Service (USFS) Geospatial Technology and Applications Center (GTAC) builds and maintains tree canopy cover (TCC) datasets for the conterminous U.S. (CONUS), coastal Alaska, Puerto Rico, and the U.S. Virgin Islands. Since the TCC datasets cover all lands including federal, state, and private lands, multiple divisions of the USFS contribute funding supporting the development and production of the datasets. These divisions include the National Forest Systems, State and Private Forestry, and Research and Development. The TCC datasets are Landsat and Sentinel-2 based with a spatial resolution of 30 meters for years 2008-2021.



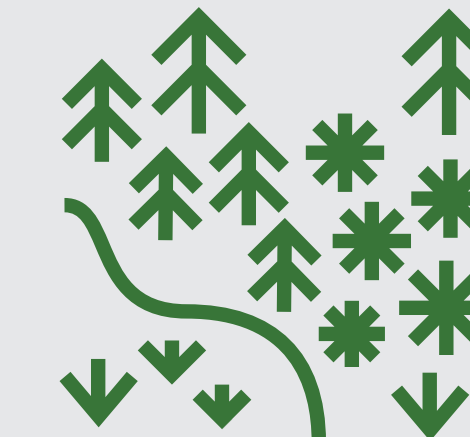
■ NLCD DATA PRODUCTS



Topographic Maps



Fire Behavior



Biomass



Habitat Modeling



Urban Forests



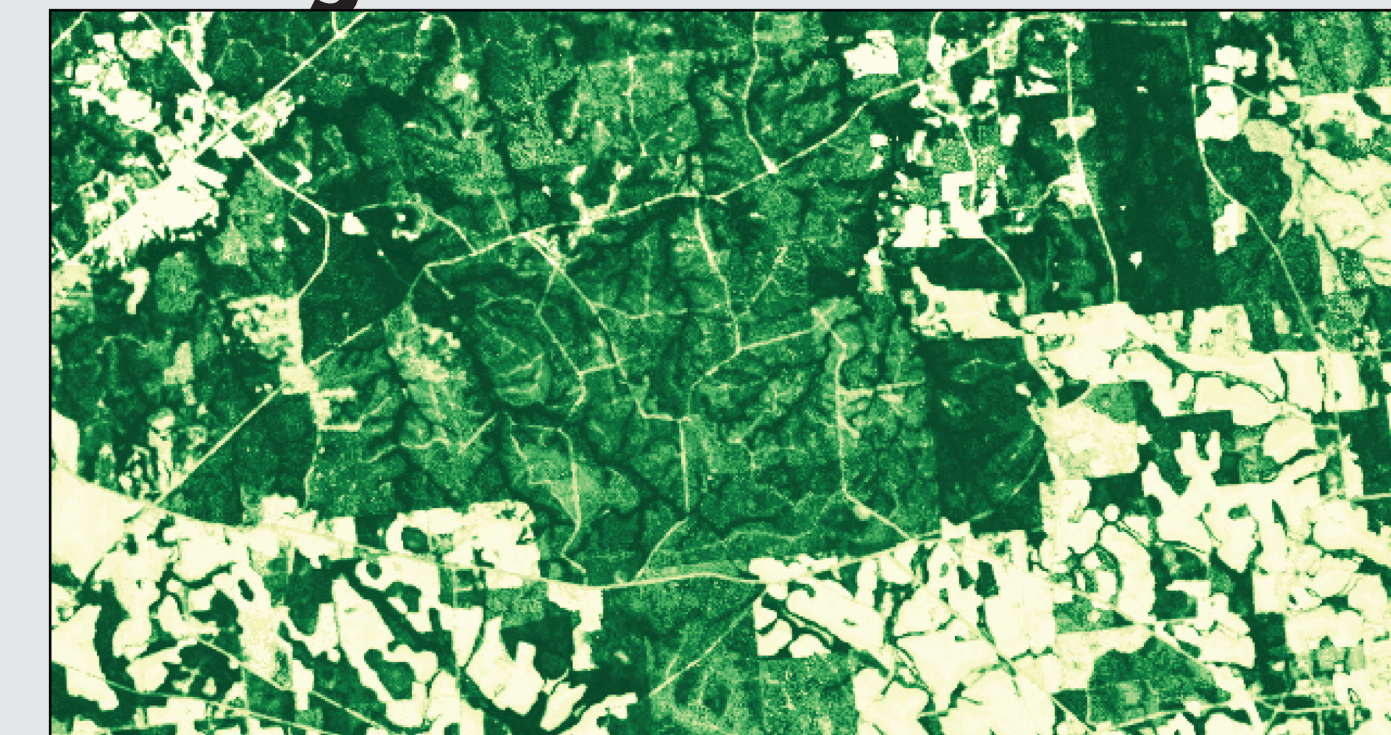
Statistical Analysis

TCC SAMPLE OUTPUTS

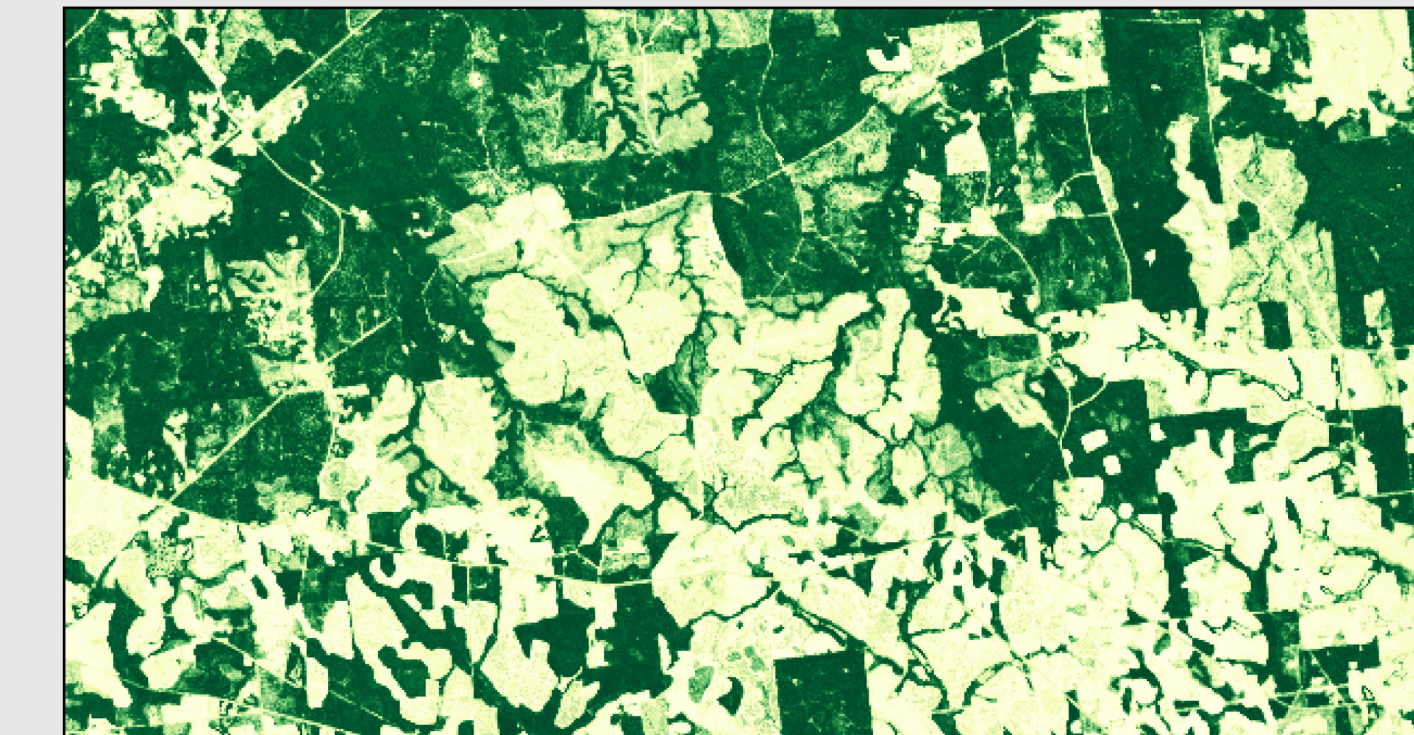
Less Tree Cover

More Tree Cover

Georgia



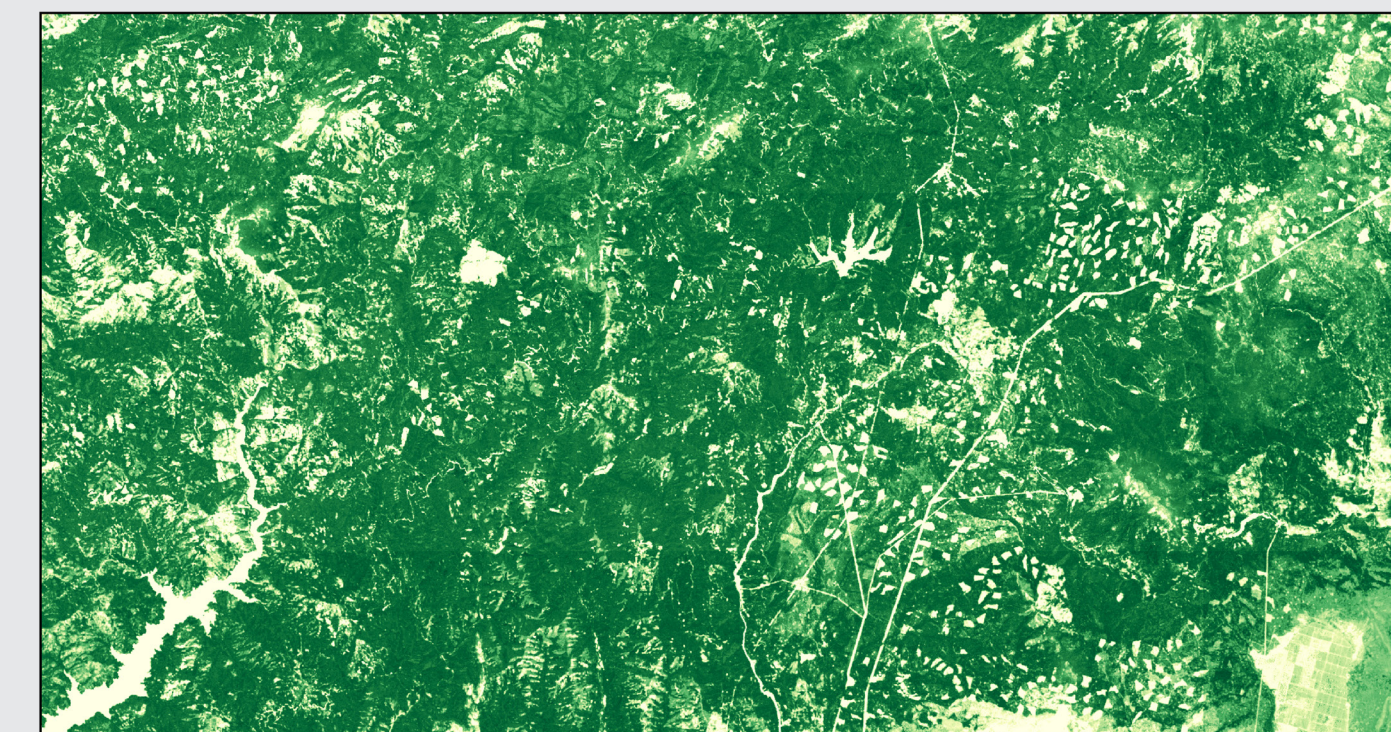
2008



2021

Before/after image series showing impact of typical clear cut timber harvest on tree plantations in Southeast

Northern California



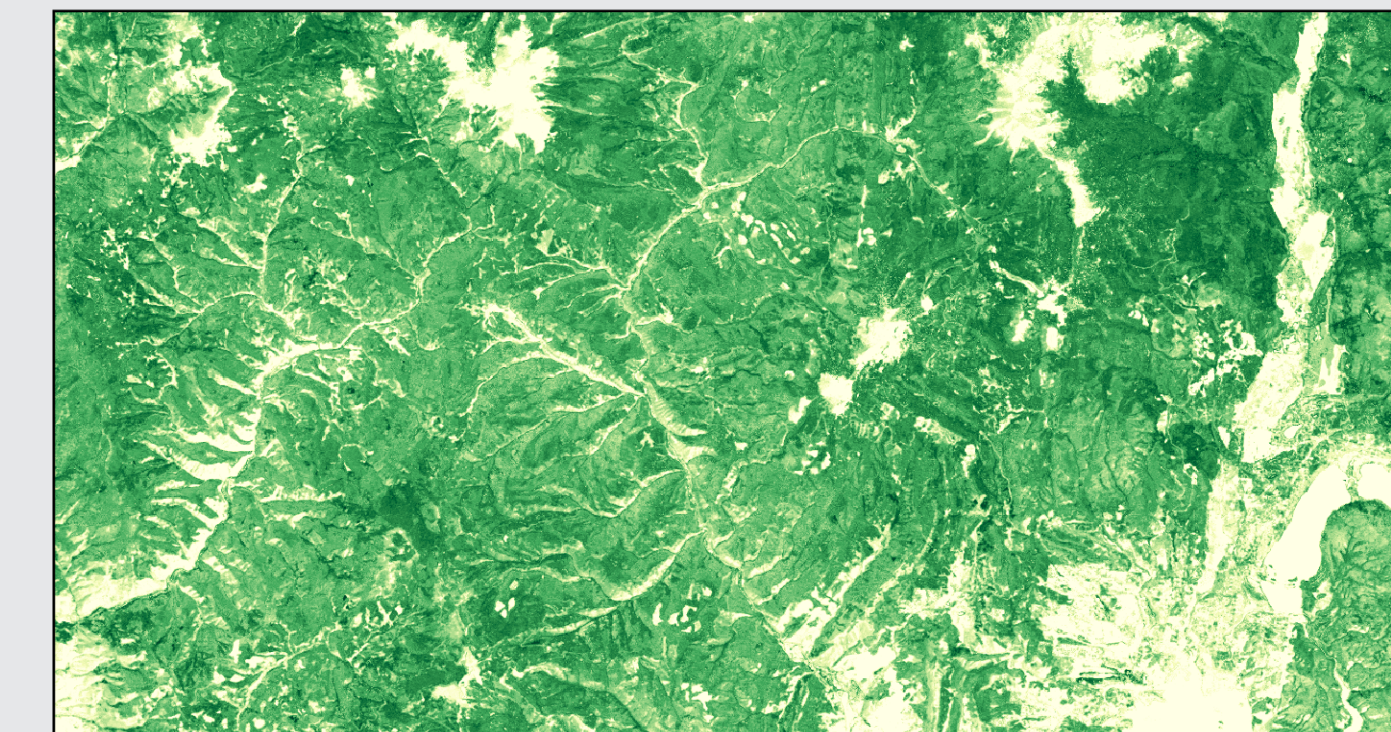
2008



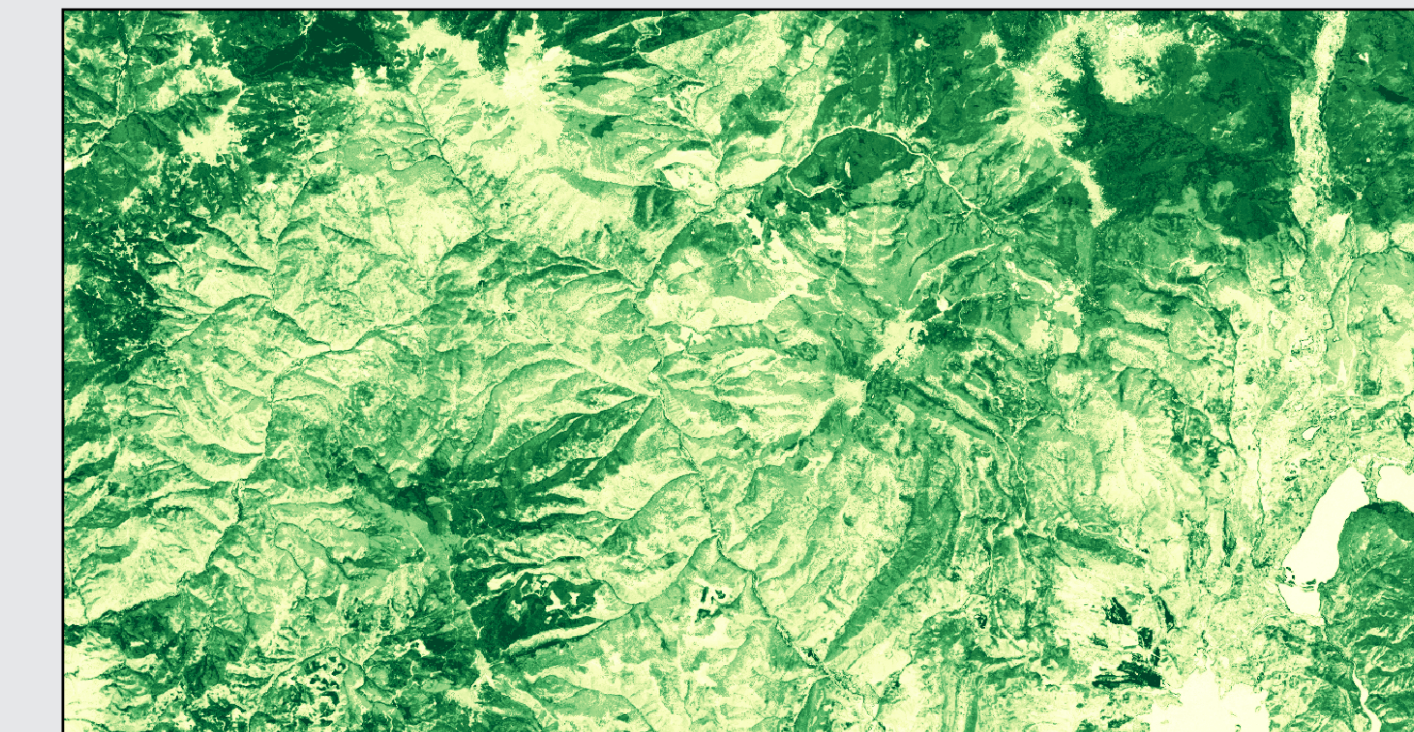
2021

Before/after image series shows impact of the 2018 Hirz Wildfire to the east, and timber harvest in center of 2021 image. The Hirz Wildlife burned over 46,150 acres in the Shasta-Trinity National Forest.

Northern Colorado



2008



2021

Before/after image series shows impact of 2020 Cameron Peak Wildfire, which covered 208,663 acres in Arapaho and Roosevelt National Forests and Rocky Mountain National Park.



The USDA Forest Service (USFS) contributes to the National Land Cover Database (NLCD) by producing the percent tree canopy cover (TCC) data layers for the coterminous United States, coastal Alaska, Hawaii, and Puerto Rico/US Virgin Islands. The NLCD TCC data are the result of more in-depth post-processing of the Science products, including various masking (i.e., water and non-tree agriculture), filtering, minimum-mapping unit (MMU) routines, and a process to reduce interannual noise and return longer duration trends. For more detailed information about all the TCC data products visit the USFS TCC website: <https://data.fs.usda.gov/geodata/rastergateway/treecanopycover> (QR Code left)

Inquiries related to the the Tree Canopy data, please contact SM.FS.TCC@usda.gov

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