

National Land Cover Database (NLCD) 2021 Land Cover California Subset

Tags Image Service, biota, National Geospatial Data Asset, digital spatial data, Land cover, United States, Image processing, U.S., NGDA, US, Land Use Land Cover Them, GIS, imageryBaseMapsEarthCover, U.S. Geological Survey (USGS), California

Summary

The goal of this project is to provide the Nation with complete, current, and consistent public domain information on its land use and land cover. Note: The California Department of Fish and Wildlife subsetting the original nationwide dataset to California - some portions of this metadata may still reflect the nationwide dataset.

Description

The U.S. Geological Survey (USGS), in partnership with several federal agencies, has now developed and released seven National Land Cover Database (NLCD) products: NLCD 1992, 2001, 2006, 2011, 2016, 2019, and 2021. Beginning with the 2016 release, land cover products were created for two-to-three-year intervals between 2001 and the most recent year. These products provide spatially explicit and reliable information on the Nation's land cover and land cover change. NLCD continues to provide innovative, consistent, and robust methodologies for production of a multi-temporal land cover and land cover change database. NLCD 2021 adds an additional year to the map products produced for NLCD 2019, with a streamlined compositing process for assembling and preprocessing Landsat imagery and geospatial ancillary datasets; a temporally, spectrally, and spatially integrated land cover change analysis strategy; a theme-based post-classification protocol for generating land cover and change products; a continuous fields biophysical parameters modeling method; and a scripted operational system. The overall accuracy of the 2019 Level I land cover was 91%. Results from this study confirm the robustness of this comprehensive and highly automated procedure for NLCD 2021 operational mapping (see <https://doi.org/10.1080/15481603.2023.2181143> for the latest accuracy assessment publication). Questions about the NLCD 2021 land cover product can be directed to the NLCD 2021 land cover mapping team at USGS EROS, Sioux Falls, SD (605) 594-6151 or mrlic@usgs.gov. See included spatial metadata for more details.

Credits

U.S. Geological Survey

Use limitations

None. Users are advised to read the dataset's metadata thoroughly to understand appropriate use and data limitations. Disclaimer: The State makes no claims, promises, or guarantees about the accuracy, completeness, reliability, or adequacy of these data and expressly disclaims liability for errors and omissions in these data. No warranty of any kind, implied, expressed, or statutory, including but not limited to the warranties of non-infringement of third party rights, title, merchantability, fitness for a particular purpose, and freedom from computer virus, is given with respect to these data.

Extent

There is no extent for this item.

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:150,000,000

Topics and Keywords ►

Themes or categories of the resource Biota, Environment, Imagery & Base Maps

Citation ►

Title National Land Cover Database (NLCD) 2021 Land Cover California Subset

Citation Contacts ►

Responsible party - publisher

Individual's name U.S. Geological Survey

Organization's name U.S. Geological Survey

Contact's position Publisher

Resource Details ►

Dataset languages English

Dataset character set utf8 - 8 bit UCS Transfer Format

Credits

U.S. Geological Survey

ArcGIS item properties

Extents ►

Extent

Geographic extent

Bounding rectangle

West longitude -130.2328

East longitude -63.6722

South latitude 21.7423

North latitude 52.851

Resource Points of Contact ►

Point of contact - publisher

Individual's name U.S. Geological Survey (USGS)

Organization's name U.S. Geological Survey (USGS)

Contact's position Publisher

Resource Maintenance ►

Resource maintenance

Update frequency irregular

Resource Constraints ►

Constraints

Limitations of use
None. Users are advised to read the dataset's metadata thoroughly to understand appropriate use and data limitations.Disclaimer: The State makes no claims, promises, or guarantees about the accuracy, completeness, reliability, or adequacy of these data and expressly disclaims liability for errors and omissions in these data. No warranty of any kind, implied, expressed, or statutory, including but not limited to the warranties of non-infringement of third party rights, title, merchantability, fitness for a particular purpose, and freedom from computer virus, is given with respect to these data.

Geoprocessing history ▶

Process

Date 2025-04-30 11:16:20
Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\Toolboxes\Data Management Tools.tbx\Rename
Command issued
Rename
C:\Users\maxsc\OneDrive\Dokumente\AppliedGeoinfo\SoSe_25\I3\work\I3_main_analysis_arcgispro\arcgispro_testing_fire.gdb\META_LC_SanDiego_2001
C:\Users\maxsc\OneDrive\Dokumente\AppliedGeoinfo\SoSe_25\I3\work\I3_main_analysis_arcgispro\arcgispro_testing_fire.gdb\META_LC_SanDiego_2021
RasterDataset
Include in lineage when exporting metadata No

Metadata Details ▶

Metadata language English
Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata dataset

Last update ↔2025-04-30

ArcGIS metadata properties

Metadata format ArcGIS 1.0
Standard or profile used to edit metadata ISO19115_3

Created in ArcGIS for the item 2025-04-30 09:52:32

Automatic updates

Have been performed No