

# National Land Cover Data

Metadata also available as

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### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* United States Geological Survey

*Publication\_Date:* Unpublished Material

*Title:* National Land Cover Data

*Edition:* 01

*Geospatial\_Data\_Presentation\_Form:* raster digital data

##### *Other\_Citation\_Details:*

Classification and processing of the original remote sensing products was done by the Multi-Resolution Land Characterization Consortium and EROS Data Center (U.S. Geological Survey). The Consortium includes the Environmental Monitoring and Assessment Program (U.S. EPA), Gap Analysis Program (USGS), National Water Quality Assessment Program (USGS), Coastal Change Analysis Program (NOAA), North American Landscape Characterization (USGS and EPA), and the Remote Sensing Applications Center (U.S. Forest Service).

*Online\_Linkage:* <http://landcover.usgs.natl/landcover.asp>

### *Description:*

#### *Abstract:*

This data set is one complete raster coverage of the USGS National Land Cover Data (NLCD). The NLCD is a 21-class land cover classification of the entire United States. It is derived from early to mid-1990s Landsat Thematic Mapper

satellite data. A complete description of this data can found at <http://landcover.usgs.gov/natl/landcover.asp>.

*Purpose:*

The NLCD data is distributed by the USGS EROS Data Center for each U.S. state. The data distributed here represents the processing of State files into one contiguous raster cover file for the United States. The final raster coverage is intended to be used in spatial analyses for the entire U.S. Individual State coverages can be downloaded separately from <http://landcover.usgs.gov/natl/landcover.asp>

*Time\_Period\_of\_Content:*

*Time\_Period\_Information:*

*Single\_Date/Time:*

*Calendar\_Date:* December 13, 2004

*Time\_of\_Day:* 2:16pm

*Currentness\_Reference:* publication date

*Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* None planned

*Spatial\_Domain:*

*Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -127.982673

*East\_Bounding\_Coordinate:* -65.225464

*North\_Bounding\_Coordinate:* 51.652449

*South\_Bounding\_Coordinate:* 22.846802

*Keywords:*

*Theme:*

*Theme\_Keyword:* Land Cover

*Theme\_Keyword:* Remote Sensing

*Theme\_Keyword:* United States

*Theme\_Keyword:* LandsatTM

*Access\_Constraints:*

The user is encouraged and expected to read all documentation provided by the USGS EROS data center provided with the original State-level NLCD product. This documentation covers all details regarding original processing of satellite data and cautionary notes associated with the use of this data. Please see documentation at <http://landcover.usgs.gov/natl/landcover.asp> for any access constraints.

*Use\_Constraints:*

Please see documentation at <http://landcover.usgs.gov/natl/landcover.asp> for any use constraints.

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Data\_Set\_Credit:* USGS and the Multi-Resolution Land Characterization Consortium

*Native\_Data\_Set\_Environment:*

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog  
9.0.0.535

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*Data\_Quality\_Information:*

*Lineage:*

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* USGS

*Title:* National Land Cover Data

*Process\_Step:*

*Process\_Description:*

State files were downloaded from EROS Data Center (EDC) in ASCII format. ASCII files were decompressed and imported into ArcInfo Workstation v.8.3 in BIL format. Header files (.hdr) were developed for each respective BIL file prior to importing. Header file development was based on information provided in the EDC metadata for each State file. Following file import, each file was projected according to EDC metadata information. The original projection was Albers Conical Equal Area, and this projection was maintained throughout processing of all state files. Files were reclassified to change value "0" to "no data". Files were merged into two large raster coverages representing the East and West United States. Merging of these files was not possible because of the 2GB file limit with ArcGIS v.8.x. Union of the final two files was completed using the Mosaic tool in ArcGIS v.9. At the time of this processing, the Mosaic tool within ArcTools, ArcDesktop v.9 was the only ESRI product capable of working with two or more files exceeding a file size of 2GB.

*Source\_Used\_Citation\_Abbreviation:* C:\GISDATA\NLCD\merge\nlcd92

*Process\_Date:* December 2004

*Process\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Tristram O. West

*Contact\_Organization:* Oak Ridge National Laboratory

*Contact\_Position:* Research Scientist

*Contact\_Address:*

*Address\_Type:* mailing address

*Address:* P.O. Box 2008

*City:* Oak Ridge

*State\_or\_Province:* TN  
*Postal\_Code:* 37831-6335  
*Country:* USA  
*Contact\_Voice\_Telephone:* 865-574-7322  
*Contact\_Electronic\_Mail\_Address:* westto@ornl.gov

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Raster

*Raster\_Object\_Information:*

*Raster\_Object\_Type:* Grid Cell

*Row\_Count:* 96995

*Column\_Count:* 154264

*Vertical\_Count:* 1

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Planar:*

*Map\_Projection:*

*Map\_Projection\_Name:* Albers Conical Equal Area

*Albers\_Conical\_Equal\_Area:*

*Standard\_Parallel:* 29.500000

*Standard\_Parallel:* 45.500000

*Longitude\_of\_Central\_Meridian:* -96.000000

*Latitude\_of\_Projection\_Origin:* 23.000000

*False\_Easting:* 0.000000

*False\_Northing:* 0.000000

*Planar\_Coordinate\_Information:*

*Planar\_Coordinate\_Encoding\_Method:* row and column

*Coordinate\_Representation:*

*Abscissa\_Resolution:* 30.000000

*Ordinate\_Resolution:* 30.000000

*Planar\_Distance\_Units:* meters

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* D\_GRS\_1980

*Ellipsoid\_Name:* Geodetic Reference System 80

*Semi-major\_Axis:* 6378137.000000

*Denominator\_of\_Flattening\_Ratio:* 298.257222

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* National Land Cover Data

*Attribute:*

*Attribute\_Label:* ObjectID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Value

*Attribute:*

*Attribute\_Label:* Count

*Attribute:*

*Attribute\_Label:* Count

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*Distribution\_Information:*

*Distributor:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* Carbon Dioxide Information and Analysis Center

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* -645.467

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050110

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* Oak Ridge National Laboratory

*Contact\_Address:*

*Address\_Type:* mailing address

*Address:* P.O. Box 2008

*City:* Oak Ridge

*State\_or\_Province:* TN

*Postal\_Code:* 37831-63335

*Contact\_Voice\_Telephone:* 865-574-3645

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://cdiac.ornl.gov>>

*Profile\_Name:* Carbon Dioxide Information and Analysis Center

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

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