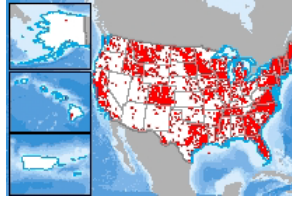


National Conservation Easement Database



Tags

National Conservation Easement Database, Conservation Planning, Conservation Easement, GAP codes, environment, boundaries

Summary

NCED shows a comprehensive picture of privately owned conservation easement lands in the U.S. The NCED will allow better strategic planning for conservation and development by merging data on land protection with biodiversity and resources, improving ecological and economic plans and investments. State and regional planners and managers will appreciate this dataset as it provides critical contextual information for their work. Institutions responsible for national and international reporting will find this database full of reliable, accurate information for their purposes. The scientific and conservation community will similarly benefit from having this standardized base map to carry out their research and planning objectives.

Description

The National Conservation Easement Database (NCED) is a collaborative venture to compile easement records (both spatial and tabular) from land trusts and public agencies throughout the United States in a single, up-to-date, sustainable, GIS compatible, online source. The goal of the NCED is to provide a comprehensive picture of the privately owned conservation easement lands, recognizing their contribution to America's natural heritage, a vibrant economy, and healthy communities. Conservation easements are legal agreements voluntarily entered into between landowners and conservation entities (agencies or land trusts) for the express purpose of protecting certain societal values such as open space or vital wildlife habitats. In some cases, landowners transfer "development rights" for direct payment or for federal and state tax benefits.

NCED shows a comprehensive picture of privately owned conservation easement lands in the U.S. The NCED will allow better strategic planning for conservation and development by merging data on land protection with biodiversity and resources, improving ecological and economic plans and investments. State and regional planners and managers will appreciate this dataset as it provides critical contextual information for their work. Institutions responsible for national and international reporting will find this database full of reliable, accurate information for their purposes. The scientific and conservation community will similarly benefit from having this standardized base map to carry out their research and planning objectives.

Credits

The NCED project partners would like to thank the U.S. Endowment for Forestry and Communities for their leadership and forethought for putting the NCED team together and for the initial funding that allowed the NCED to be formed. Additional support for the NCED project was provided by the Gaylord and Dorothy Donnelley Foundation; the Knobloch Family Foundation; the Graham Foundation and the USDA Forest Service, State and Private Forestry. We would also like to thank Greg Schildwachter for his leadership skills in guiding the project partners through the initial two-year journey. While the NCED partners were responsible for aggregating conservation easements from across the country, the NCED database would not have been successful without the cooperation of many federal, state, and local agencies, regional and state data repositories, and individual land trusts. We would like to thank the many state and federal agencies and local land trusts that took part in this endeavor. In addition, we would like to provide specific acknowledgement of the following organizations for their provision of state-wide, regional or national data: COMap - Colorado State University; Clemson University, David Holman - Greater Chicago area protected lands; Delaware Valley Regional Planning Commission; Florida Natural Areas Inventory; GreenInfo - California Protected Areas Database; Kansas Natural Heritage Inventory; Kentucky Natural Heritage Program; Maine State Planning Office; Maryland Environmental Trust; Montana Natural Heritage Programs, University of Montana in partnership with the Montana State Library; Nebraska Natural Heritage Program, Nebraska Game and Parks Commission; The Nature Conservancy; Utah Conservation Data Center, State of Utah Natural Resources, Division of Wildlife Resources; Virginia Natural Heritage Program, Department of Conservation and Recreation; Natural Resources Conservation Service; U.S. Fish and Wildlife Service; U.S. Forest Service.

Use limitations

There are no access and use limitations for this item.

Extent

West -162.937048 East -65.255056
North 68.280254 South 18.006907

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE boundaries, environment, planningCadastral

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

Citation

TITLE National Conservation Easement Database

PUBLICATION DATE 2023-07-27

PRESENTATION FORMATS * digital map

OTHER CITATION DETAILS

Please note that, by downloading or viewing this data, no right has been created to access lands with conservation easements. Most conservation easements are not open to the public. Entering an area that is not open to the public subjects an individual to possible sanctions for trespass, as determined by the state in which the easement is located.

Resource Details

DATASET LANGUAGES * English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.6.1.9270

CREDITS

The NCED project partners would like to thank the U.S. Endowment for Forestry and Communities for their leadership and forethought for putting the NCED team together and for the initial funding that allowed the NCED to be formed. Additional support for the NCED project was provided by the Gaylord and Dorothy Donnelley Foundation; the Knobloch Family Foundation; the Graham Foundation and the USDA Forest Service, State and Private Forestry. We would also like to thank Greg Schildwachter for his leadership skills in guiding the project partners through the initial two-year journey. While the NCED partners were responsible for aggregating conservation easements from across the country, the NCED database would not have been successful without the cooperation of many federal, state, and local agencies, regional and state data repositories, and individual land trusts. We would like to thank the many state and federal agencies and local land trusts that took part in this endeavor. In addition, we would like to provide specific acknowledgement of the following organizations for their provision of state-wide, regional or national data: CMap - Colorado State University; Clemson University, David Holman - Greater Chicago area protected lands; Delaware Valley Regional Planning Commission; Florida Natural Areas Inventory; GreenInfo - California Protected Areas Database; Kansas Natural Heritage Inventory; Kentucky Natural Heritage Program; Maine State Planning Office; Maryland Environmental Trust; Montana Natural Heritage Programs, University of Montana in partnership with the Montana State Library; Nebraska Natural Heritage Program, Nebraska Game and Parks Commission; The Nature Conservancy; Utah Conservation Data Center, State of Utah Natural Resources, Division of Wildlife Resources; Virginia Natural Heritage Program, Department of Conservation and Recreation; Natural Resources Conservation Service; U.S. Fish and Wildlife Service; and U.S. Forest Service.

ARCGIS ITEM PROPERTIES

* NAME national_conservation_easement_database_v8

* ACCESS PROTOCOL Local Area Network

Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -162.937048

* EAST LONGITUDE -65.255056

* NORTH LATITUDE 68.280254

* SOUTH LATITUDE 18.006907

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -18138069.188400

* EAST LONGITUDE -7264159.605000

* SOUTH LATITUDE 2038356.980600

* NORTH LATITUDE 10530787.077200

* EXTENT CONTAINS THE RESOURCE Yes

Resource Maintenance

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

Spatial Reference

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984

* PROJECTION WGS_1984_Web_Mercator_Auxiliary_Sphere

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102100

X ORIGIN -21940046.930015001

Y ORIGIN -30241100

XY SCALE 144381897.40875345

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.001

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 3857

WELL-KNOWN TEXT PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 3857

* CODESPACE EPSG

* VERSION 8.8(9.3.1.2)

Spatial Data Properties

VECTOR

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME national_conservation_easement_database_v8

* OBJECT TYPE composite

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME national_conservation_easement_database_v8

* FEATURE TYPE Simple

* GEOMETRY TYPE Polygon

* HAS TOPOLOGY FALSE

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

Lineage

LINEAGE STATEMENT

The National Conservation Easement Database (NCED) layer was created using a variety of sources and may contain both location and attribute errors. The NCED database was developed for conservation planning purposes and should not be used for legal purposes. Certain easement boundaries are tracked by NCED but have been withheld from public use. These easements will not appear in the downloaded GIS data or the map viewer. Please contact the aggregator for your area of interest for more information.

NCED makes no representation or warranty of any kind regarding this material, data and information, including, but not limited to, the accuracy of the material, data and information or its suitability for any purpose. All use of the material, data and information is at the user's sole risk. By using any of this material, data and information, the user agrees that NCED is not responsible for their use of the material, data and information or the results thereof. The NCED is a work in progress. The NCED partners strive to make this database as complete and accurate as possible. Please contact the NCED team at <https://www.conservationeasement.us/contact-us/> to make corrections or additions to the database.

Distribution

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT national_conservation_easement_database_v8

* TYPE Feature Class

FIELD OBJECTID

* ALIAS OBJECTID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

FIELD Shape

* ALIAS Shape

* DATA TYPE Geometry

* WIDTH 0

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Feature geometry.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Coordinates defining the features.

FIELD unique_id

* ALIAS Unique Identification Number

* DATA TYPE String

* WIDTH 15

* PRECISION 0

* SCALE 0

FIELD security

* ALIAS Security

* DATA TYPE String

* WIDTH 20

* PRECISION 0

* SCALE 0

FIELD sitename

* ALIAS Site Name

* DATA TYPE String

* WIDTH 200

* PRECISION 0

* SCALE 0

FIELD esmthldr

* ALIAS Easement Holder

* DATA TYPE String

- * WIDTH 150
- * PRECISION 0
- * SCALE 0

FIELD [eholdtype](#)

- * ALIAS Easement Holder Type
- * DATA TYPE String
- * WIDTH 35
- * PRECISION 0
- * SCALE 0

FIELD [owntype](#)

- * ALIAS Owner Type
- * DATA TYPE String
- * WIDTH 35
- * PRECISION 0
- * SCALE 0

FIELD [s_emthd1](#)

- * ALIAS Co-Holder
- * DATA TYPE String
- * WIDTH 150
- * PRECISION 0
- * SCALE 0

FIELD [s_emthd2](#)

- * ALIAS Second Co-Holder
- * DATA TYPE String
- * WIDTH 150
- * PRECISION 0
- * SCALE 0

FIELD [purpose](#)

- * ALIAS Conservation Purpose
- * DATA TYPE String
- * WIDTH 35
- * PRECISION 0
- * SCALE 0

FIELD [pubaccess](#)

- * ALIAS Public Access
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0

FIELD [duration](#)

- * ALIAS Duration
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD [term](#)

- * ALIAS Term
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD [mon_est](#)

- * ALIAS Month Established
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD [day_est](#)

- * ALIAS Day Established
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD [year_est](#)

- * ALIAS Year Established
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD [state](#)

- * ALIAS state
- * DATA TYPE String
- * WIDTH 30
- * PRECISION 0
- * SCALE 0

FIELD [rep_acres](#)

- * ALIAS Reported Acres

- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD gis_acres

- * ALIAS GIS Acres
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD pct_diff

- * ALIAS Acreage Percent Difference
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD gapcat

- * ALIAS GAP Codes
- * DATA TYPE String
- * WIDTH 95
- * PRECISION 0
- * SCALE 0

FIELD iucncat

- * ALIAS IUCN Codes
- * DATA TYPE String
- * WIDTH 60
- * PRECISION 0
- * SCALE 0

FIELD dataagg

- * ALIAS Data Aggregator
- * DATA TYPE String
- * WIDTH 25
- * PRECISION 0
- * SCALE 0

FIELD dataentry

- * ALIAS Data Entry Date
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD datapvdr

- * ALIAS Data Provider
- * DATA TYPE String
- * WIDTH 100
- * PRECISION 0
- * SCALE 0

FIELD datasrc

- * ALIAS GIS Data Source
- * DATA TYPE String
- * WIDTH 100
- * PRECISION 0
- * SCALE 0

FIELD source_uid

- * ALIAS Source Unique ID
- * DATA TYPE String
- * WIDTH 100
- * PRECISION 0
- * SCALE 0

FIELD conflict

- * ALIAS Conflict
- * DATA TYPE String
- * WIDTH 25
- * PRECISION 0
- * SCALE 0

FIELD stacked

- * ALIAS Stacked
- * DATA TYPE String
- * WIDTH 3
- * PRECISION 0
- * SCALE 0

FIELD comments

- * ALIAS Comments
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

FIELD ehoulduid1
* ALIAS Easement Holder UID
* DATA TYPE String
* WIDTH 15
* PRECISION 0
* SCALE 0

FIELD ehoulduid2
* ALIAS Co-Holder UID
* DATA TYPE String
* WIDTH 15
* PRECISION 0
* SCALE 0

FIELD report_href
* ALIAS report_href
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

FIELD county
* ALIAS county
* DATA TYPE String
* WIDTH 150
* PRECISION 0
* SCALE 0

FIELD ehoulduid3
* ALIAS Co-Holder 2 UID
* DATA TYPE String
* WIDTH 15
* PRECISION 0
* SCALE 0

FIELD created_user
* ALIAS created_user
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

FIELD created_date
* ALIAS created_date
* DATA TYPE Date
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD last_edited_user
* ALIAS last_edited_user
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

FIELD last_edited_date
* ALIAS last_edited_date
* DATA TYPE Date
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD GlobalID
* ALIAS GlobalID
* DATA TYPE GlobalID
* WIDTH 38
* PRECISION 0
* SCALE 0

FIELD Shape_Length
* ALIAS Shape_Length
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
Length of feature in internal units.
* DESCRIPTION SOURCE
Esri
* DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

FIELD Shape_Area

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Area of feature in internal units squared.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

Metadata Details

* METADATA LANGUAGE English (UNITED STATES)
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format
SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset
* LAST UPDATE 2024-01-16
ARCGIS METADATA PROPERTIES
METADATA FORMAT ArcGIS 1.0
METADATA STYLE North American Profile of ISO19115 2003
STANDARD OR PROFILE USED TO EDIT METADATA FGDC
CREATED IN ARCGIS FOR THE ITEM 2024-01-16
LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-01-16
AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2024-01-16

Metadata Contacts

METADATA CONTACT
INDIVIDUAL'S NAME Jim Kuiper
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S ROLE user
CONTACT INFORMATION
PHONE
VOICE 630-252-6206
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TYPE postal
DELIVERY POINT 9700 S. Cass Avenue
CITY Lemont
ADMINISTRATIVE AREA Illinois
POSTAL CODE 60439
COUNTRY US
E-MAIL ADDRESS jkuiper@anl.gov

Metadata Maintenance

MAINTENANCE
UPDATE FREQUENCY as needed