BLM Natl Public Land Survey System First Division Polygons

Tags

Alaska, Arizona, boundaries, CAD NSDI, Cadastral, Cadastral Reference, Cadastre Theme, California, Colorado, Eastern States, GCDB, Geographic Coordinate Database, Geospatial, Idaho, Management, Montana, National Geospatial Data Asset, Nevada, New Mexico, NGDA, NGDAID10, Oregon, Parcels, planningCadastre, PLSS, PLSS Corners, PLSS Divisions, PLSS Sections, Public Land Survey System, Township, United States, Utah, Western States, Wyoming

Summary

The CADNSDI or the Cadastral Publication Data Standard is the cadastral data component of the NSDI (National Spatial Data Infrastructure). This is the publication guideline for cadastral data that is intended to provide a common format and structure and content for cadastral information that can be made available across jurisdictional boundaries, providing a consistent and uniform cadastral data to meet business need that includes connections to the source information from the data stewards. The data stewards determine which data are published and should be contacted for any questions on data content or for additional information. The cadastral publication data is data provided by cadastral data producers in a standard form on a regular basis. Cadastral publication data has two primary components, land parcel data and cadastral reference data. It is important to recognize that the publication data are not the same as the operation and maintenance or production data. The production data is structured to optimize maintenance processes, is integrated with internal agency operations and contains much more detail than the publication data. The publication data is a subset of the more complete production data and is reformatted to meet a national standard so data can be integrated across jurisdictional boundaries and be presented in a consistent and standard form nationally.

Description

This feature class displays the First Divisions data for the dataset that represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific 'production' or operation and maintenance. This data set includes the following: PLSS Fully Intersected (all of the PLSS feature at the atomic or smallest polygon level), PLSS Townships, First Divisions and Second Divisions (the hierarchical break down of the PLSS Rectangular surveys), and the Bureau of Census 2015 Cartographic State Boundaries. The Entity-Attribute section of this metadata describes these components in greater detail. Please note that the data on this site, although published at regular intervals, may not be the most current PLSS data that is available from the BLM. Updates to the PLSS data at the BLM State Offices may have occurred since this data was published. To ensure users have the most current data, please refer to the links provided in the PLSS CadNSDI Data Set Availability accessible here: https://gis.blm.gov/EGISDownload/Docs/PLSS_CadNSDI_Data_Set_Availability.pdf or contact the BLM PLSS Data Set Manager.

Credits

BLM Admin State

Use limitations

These data are provided by BLM "as is" and may contain errors or omissions. The User assumes the entire risk associated with its use of these data and bears all responsibility in determining whether these data are fit for the User's intended use. The information contained in these data is dynamic and may change over time. The data are not better than the original sources from which they were derived, and both scale and accuracy may vary across the data set. These data may not have the accuracy, resolution, completeness, timeliness, or other characteristics appropriate for applications that potential users of the data may contemplate. The User is encouraged to carefully consider the content of the metadata file associated with these data. These data are neither legal documents nor land surveys, and must not be used as such. Official records may be referenced at most BLM offices. Please report any errors in the data to the BLM office for which it was obtained. The BLM should be cited as the data source in any products derived from these data. Any Users wishing to modify the data should describe the types of modifications they have performed. The User should not misrepresent the data, nor imply that changes made were approved or endorsed by BLM. This information may be updated without notification.

Extent

West	-179.14890899985045	**East**	179.77846999959092
North	71.38988473539223	**South**	-14.548698999858914

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, planningCadastre
CONTENT TYPE   Downloadable Data
    EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION   No
PLACE KEYWORDS   Alaska, Arizona, California, Colorado, Eastern States, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Wyoming
    THESAURUS
        TITLE   BLM-STATE
PLACE KEYWORDS   United States, Western States
    THESAURUS
        TITLE   NONE
THEME KEYWORDS   Geospatial, Management
    THESAURUS
        TITLE   BLM-THEME
THEME KEYWORDS   Cadastre Theme, National Geospatial Data Asset, NGDA, NGDAID10
    THESAURUS
        TITLE   NGDA Portfolio Themes
THEME KEYWORDS   CAD NSDI, Cadastral, Cadastral Reference, GCDB, Geographic Coordinate Database, Parcels, PLSS, PLSS Corners, PLSS Divisions, PLSS Sections, Public Land Survey System, Township
    THESAURUS
        TITLE   NONE
THEME KEYWORDS   PLSS
    THESAURUS
        TITLE   Public Land Survey System

Citation

TITLE BLM Natl Public Land Survey System First Division Polygons
PUBLICATION DATE 2023-09-21
PRESENTATION FORMATS digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data
OTHER CITATION DETAILS
This is an aggregate national dataset. Source data were received from all or some of the BLM state offices of Alaska, Arizona, California, Colorado, Eastern States, Idaho, Montana, Nevada, New Mexico, Oregon/Washington, Utah, and Wyoming.

Citation Contacts

RESPONSIBLE PARTY
INDIVIDUAL'S NAME U.S. Department of the Interior, Bureau of Land Management (BLM)
CONTACT'S ROLE originator
RESPONSIBLE PARTY
ORGANIZATION'S NAME Bureau of Land Management
CONTACT'S ROLE publisher

Resource Details

DATASET LANGUAGES * English (UNITED STATES)
STATUS completed
SPATIAL REPRESENTATION TYPE * vector
SUPPLEMENTAL INFORMATION
A published revision of the Department Manual's Part 305: Departmental Science Effects, Chapter 3: Integrity of Scientific and Scholarly Activities (305 DM 3), effective December 16, 2014, is available online at http://elips.doi.gov/ELIPS/DocView.aspx?id=4056. Scholarly information considered in Departmental decision making must be robust, of the highest quality, and the result of as rigorous scientific and scholarly processes as can be achieved. Most importantly, it must be trustworthy. This policy helps us to achieve that standard (http://www.doi.gov/scientificintegrity/index.cfm)
PROCESSING ENVIRONMENT Esri ArcGIS 10.1.1.3143
CREDITS
BLM Admin State
ArcGIS ITEM PROPERTIES
* NAME plss_section_230921_v1

Extents

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
WEST LONGITUDE -179.14890899985045

EAST LONGITUDE 179.77846999959092
NORTH LATITUDE 71.38988473539223
SOUTH LATITUDE -14.548698999858914
EXTENT CONTAINS THE RESOURCE Yes

EXTENT
DESCRIPTION
publication date

TEMPORAL EXTENT
DATE AND TIME Unknown

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
WEST LONGITUDE -179.14890899985045
EAST LONGITUDE 179.77846999959092
NORTH LATITUDE 71.38988473539223
SOUTH LATITUDE -14.548698999858914

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE -19951842.617800
* EAST LONGITUDE 20025705.094200
* SOUTH LATITUDE 2821378.649400
* NORTH LATITUDE 11536918.706300
* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact

POINT OF CONTACT
INDIVIDUAL'S NAME National Data Steward
ORGANIZATION'S NAME Bureau of Land Management
CONTACT'S POSITION National Data Steward
CONTACT'S ROLE point of contact
CONTACT INFORMATION
PHONE
VOICE (571) 266-9585
ADDRESS
TYPE physical
DELIVERY POINT Denver Federal Center, Building 50
CITY Denver
ADMINISTRATIVE AREA CO
POSTAL CODE 80225
COUNTRY US
E-MAIL ADDRESS dvankote@blm.gov

Resource Maintenance

RESOURCE MAINTENANCE
UPDATE FREQUENCY as needed

Resource Constraints
CONSTRAINTS
LIMITATIONS OF USE
These data are provided by BLM "as is" and may contain errors or omissions. The User assumes the entire risk associated with its use of these data and bears all responsibility in determining whether these data are fit for the User's intended use. The information contained in these data is dynamic and may change over time. The data are not better than the original sources from which they were derived, and both scale and accuracy may vary across the data set. These data may not have the accuracy, resolution, completeness, timeliness, or other characteristics appropriate for applications that potential users of the data may contemplate. The User is encouraged to carefully consider the content of the metadata file associated with these data. These data are neither legal documents nor land surveys, and must not be used as such. Official records may be referenced at most BLM offices. Please report any errors in the data to the BLM office for which it was obtained. The BLM should be cited as the data source in any products derived from these data. Any Users wishing to modify the data should describe the types of modifications they have performed. The User should not misrepresent the data, nor imply that changes made were approved or endorsed by BLM. This information may be updated without notification.

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LIMITATIONS OF USE
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ACCESS CONSTRAINTS   other restrictions
OTHER CONSTRAINTS
None, these data are considered public domain.

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   -22041258.62706707
  Y ORIGIN   -33265068.604224768
  XY SCALE   135385249.94349548
  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   plss_section_230921_v1
  * **OBJECT TYPE**   composite
  * **OBJECT COUNT**   2772049

ARCGIS FEATURE CLASS PROPERTIES
FEATURE CLASS NAME   plss_section_230921_v1
* **FEATURE TYPE**   Simple
* **GEOMETRY TYPE**   Polygon
* **HAS TOPOLOGY**   FALSE
* **FEATURE COUNT**   2772049
* **SPATIAL INDEX**   TRUE
* **LINEAR REFERENCING**   FALSE

Data Quality
SCOPE OF QUALITY INFORMATION
RESOURCE LEVEL   dataset

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY
DIMENSION   horizontal

MEASURE DESCRIPTION
This national dataset is an aggregation from multiple datasets provided by the BLM Administrative States, please contact the distributor for additional information on provenance, history, accuracy and quality of a particular state's data. The positional accuracy across this dataset varies according to the source.

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY
MEASURE DESCRIPTION
This national dataset is an aggregation from multiple datasets provided by the BLM Administrative States. Please contact the distributor for additional information on provenance, history, accuracy and quality of a particular state's data. The accuracy of attributes in this dataset reflects that of the source datasets.

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY
MEASURE DESCRIPTION
This national dataset is an aggregation from multiple datasets provided by the BLM Administrative States. Please contact the distributor for additional information on provenance, history, accuracy and quality of a particular state's data. The logical consistency of this dataset reflects that of the source datasets.

DATA QUALITY REPORT - COMPLETENESS OMISSION
MEASURE DESCRIPTION
This national dataset is an aggregation from multiple datasets provided by the BLM Administrative States. Please contact the distributor for additional information on provenance, history, accuracy and quality of a particular state's data. The completeness of this dataset reflects that of the source datasets.

Lineage

PROCESS STEP
  WHEN THE PROCESS OCCURRED 2023-09-21
    INDETERMINATE DATE unknown
  DESCRIPTION

Using the implementation guidelines, GIS staff at BLM field and state offices cross-walk and clean up their data to comply with the standardized national dataset. Then, the BLM field and/or state offices submit the data to the National Operations Center (NOC), where it is compiled to produce seamless national datasets. This workflow utilizes: extract (state location), transform, and load (National location) (ETL) as opposed to the standard National Replication process

  PROCESS CONTACT
    INDIVIDUAL'S NAME Spatial Data Coordinator
    ORGANIZATION'S NAME BLM National Operations Center
    CONTACT'S POSITION Spatial Data Coordinator
    CONTACT'S ROLE processor
      CONTACT INFORMATION
        PHONE
          VOICE (303)236-5445
          FAX (303)236-3508
        ADDRESS
          TYPE physical
          DELIVERY POINT Bldg. 50, Denver Federal Center
          CITY Denver
          ADMINISTRATIVE AREA CO
          POSTAL CODE 80225
          COUNTRY US
          E-MAIL ADDRESS scrowe@blm.gov

  SOURCE DATA
    RELATIONSHIP TO THE PROCESS STEP used
    SOURCE CITATION
      ALTERNATE TITLES H-1283-2 Data Administration and Management Handbook

PROCESS STEP
  WHEN THE PROCESS OCCURRED 2023-09-21
  DESCRIPTION

Changes that are made to the PLSS data internally are reviewed for correctness before being applied externally. Correctness would include location and point attributes.

  PROCESS CONTACT
    INDIVIDUAL'S NAME Spatial Data Coordinator
    ORGANIZATION'S NAME BLM National Operations Center
    CONTACT'S POSITION Spatial Data Coordinator
    CONTACT'S ROLE processor
      CONTACT INFORMATION
        PHONE
          VOICE (303)236-5445
          FAX (303)236-3508
        ADDRESS
          TYPE physical
          DELIVERY POINT Bldg. 50, Denver Federal Center
          CITY Denver
          ADMINISTRATIVE AREA CO
          POSTAL CODE 80225
          COUNTRY US
          E-MAIL ADDRESS scrowe@blm.gov

SOURCE DATA
  DESCRIPTION

This official BLM Data Management handbook contains information about how data is administered, managed, and tracked. This handbook discusses how the BLM operates with regard to data development and design, quality, metadata, and business rules. The information this resource contains also pertains to geospatial data.

  SOURCE MEDIUM NAME online link
  SOURCE CITATION ▶
    TITLE H-1283-2 Data Administration and Management Handbook
    ALTERNATE TITLES H-1283-2 Data Administration and Management Handbook
    PUBLICATION DATE 2014-12-05
    EDITION Release 1-1762
    RESPONSIBLE PARTY
      ORGANIZATION'S NAME U.S. Department of Interior, Bureau of Land Management (BLM)
      CONTACT'S ROLE originator
  EXTENT OF THE SOURCE DATA
    DESCRIPTION
      publication date
    TEMPORAL EXTENT
      DATE AND TIME 2014-12-05

SOURCE DATA
  DESCRIPTION

This document provides supporting documentation for the Public Land Survey System (PLSS) standardized data for the Cadastral National Spatial Data Infrastructure (PLSS CadNSDI) data set.

  SOURCE MEDIUM NAME online link
  SOURCE CITATION
    TITLE Standardized PLSS Data Set (PLSS CadNSDI) Users Reference Materials
    ALTERNATE TITLES Standardized PLSS Data Set (PLSS CadNSDI) Users Reference Materials
    PUBLICATION DATE 2015-10-01
    RESPONSIBLE PARTY
      ORGANIZATION'S NAME PLSS Work Group on the FGDC Cadastral Subcommittee
      CONTACT'S ROLE originator
    RESOURCE LOCATION ONLINE
      LOCATION http://nationalcad.org/download/PublicationHandbookOct2016.pdf
  EXTENT OF THE SOURCE DATA
    DESCRIPTION
      publication date
    TEMPORAL EXTENT
      DATE AND TIME 2015-10-06

Distribution

DISTRIBUTOR
  CONTACT INFORMATION
    INDIVIDUAL'S NAME NOC Data Management Lead
    ORGANIZATION'S NAME BLM National Operations Center, OC530
    CONTACT'S POSITION NOC Data Management Lead
    CONTACT'S ROLE distributor
      CONTACT INFORMATION
        PHONE
          VOICE (303)236-6806
          FAX (303)236-3508
        ADDRESS
          TYPE physical
          DELIVERY POINT Bldg. 50, Denver Federal Center
          CITY Denver
          ADMINISTRATIVE AREA CO
          POSTAL CODE 80225
          COUNTRY US
          E-MAIL ADDRESS jshouldis@blm.gov
  AVAILABLE FORMAT
    NAME ESRI layer package (lpk)
    VERSION 10.3

DISTRIBUTOR
  CONTACT INFORMATION
    INDIVIDUAL'S NAME NOC Data Management Lead
    ORGANIZATION'S NAME BLM National Operations Center, OC530
    CONTACT'S POSITION NOC Data Management Lead
    CONTACT'S ROLE distributor
      CONTACT INFORMATION
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          VOICE (303)236-6806
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          DELIVERY POINT Bldg. 50, Denver Federal Center
          CITY Denver
          ADMINISTRATIVE AREA CO
          POSTAL CODE 80225
          COUNTRY US
          E-MAIL ADDRESS jshouldis@blm.gov
  AVAILABLE FORMAT
    NAME BLM National Public Land Survey System
    SPECIFICATION http://www.geoplatform.gov/spec/esri-map-rest
    FORMAT INFORMATION CONTENT The PLSS is the basis for Federal land ownership. This data includes township, range, section (first Division), and Intersected. There are four layers loaded that are scale dependent with scale dependent labels. At the smallest scales, the state boundaries appear, as the user zooms in Townships and then Section then PLSS Intersected boundaries appears.
    TRANSFER OPTIONS
      ONLINE SOURCE
        LOCATION https://gis.blm.gov/arcgis/rest/services/Cadastral/BLM_Natl_PLSS_CadNSDI/MapServer
DISTRIBUTION FORMAT
  *NAME File Geodatabase Feature Class
TRANSFER OPTIONS
  ONLINE SOURCE
    LOCATION https://gis.blm.gov/arcgis/rest/services/Cadastral/BLM_Natl_PLSS_CadNSDI/MapServer

Fields

DETAILS FOR OBJECT plss_section_230921_v1
  *TYPE Feature Class
  *ROW COUNT 2772049
  DEFINITION

  PLSSTownship: This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance.

  DEFINITION SOURCE
    Cadastral Data Publication Guideline
    for the Public Land Survey System October 2009 FGDC Subcommittee for Cadastral Data

  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 FRSTDIVID
- **ALIAS** First Division Identifier
- **DATA TYPE** String
- **WIDTH** 50
- **PRECISION** 0
- **SCALE** 0
- **FIELD DESCRIPTION**

  This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance.

FIELD FRSTDIVTYP
- **ALIAS** First Division Type Code
- **DATA TYPE** String
- **WIDTH** 2
- **PRECISION** 0
- **SCALE** 0
- **FIELD DESCRIPTION**

  This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance.

FIELD FRSTDIVTXT
- **ALIAS** First Division Type Text
- **DATA TYPE** String
- **WIDTH** 50
- **PRECISION** 0
- **SCALE** 0
- **FIELD DESCRIPTION**

  This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance.

FIELD FRSTDIVNO
- **ALIAS** First Division Number
- **DATA TYPE** String
- **WIDTH** 10
- **PRECISION** 0
- **SCALE** 0
- **FIELD DESCRIPTION**

  This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance.

FIELD FRSTDIVDUP
- **ALIAS** First Division Duplicate
- **DATA TYPE** String
- **WIDTH** 1
- **PRECISION** 0
- **SCALE** 0
- **FIELD DESCRIPTION**

  This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance.

FIELD FRSTDIVLAB
- **ALIAS** First Division Label
- **DATA TYPE** String
- **WIDTH** 20
- **PRECISION** 0
- **SCALE** 0
- **FIELD DESCRIPTION**

  This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance.

FIELD PLSSID
- **ALIAS** Township Identifier
- **DATA TYPE** String
- **WIDTH** 50
- **PRECISION** 0
- **SCALE** 0
- **FIELD DESCRIPTION**

  Concatenation of the principal meridian, township, range, and duplication code that form a unique id.

FIELD SURVTYP
- **ALIAS** Survey Type Code
- **DATA TYPE** String
- **WIDTH** 2
- **PRECISION** 0
- **SCALE** 0
- **FIELD DESCRIPTION**

  Code for the type of special survey typically from the codes for the BLM data collection. Used in this feature to indicate if the feature is unsurveyed or unprotracted.

FIELD SOURCEDATE
* ALIAS Source Doc Date
* DATA TYPE Date
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance.

FIELD SOURCEREF
* ALIAS Source Doc Link or Reference
* DATA TYPE String
* WIDTH 100
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION

This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance.

FIELD SURVTYPTXT
* ALIAS Survey Type Text
* DATA TYPE String
* WIDTH 50
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
The description of the survey type code. There may be a description of the survey type, or survey status in the case of this feature, without a code.

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.

DETAILS FOR OBJECT PLSS Section
DEFINITION
The PLSS First Division feature class is the sections and other types of divisions that divide the PLSS Townships. This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance

DEFINITION SOURCE
Cadastral Data Publication Guideline

FIELD FRSTDIVID
FIELD DESCRIPTION
This is a unique identifier for the first division that is built by appending the first division elements on the Township identifier.

FIELD FRSTDIVNO
FIELD DESCRIPTION
This is the number, letter or designator for the first division of the PLSS Township.

FIELD FRSTDIVDUP
FIELD DESCRIPTION
This is a code to indicate whether the first division is a duplicated area or identifier.

FIELD FRSTDIVTYP
FIELD DESCRIPTION
This is the type of first division and is commonly the section but may be a lot, parcel, tract or other division.

FIELD FRSTDIVTXT
FIELD DESCRIPTION
This is the first division type as a text field.

FIELD PLSSID
FIELD DESCRIPTION
This is the unique identifier for the PLSS Township in which the first division is located. Concatenation of the principal meridian, township, range, and duplication code that form a unique identifier for the township.

FIELD FRSTDIVLAB
FIELD DESCRIPTION
This is the label for the first division that is used for cartographic of web display purposes.

FIELD SURVTYP
FIELD DESCRIPTION
Code for the type of special survey typically from the codes for the BLM data collection. Used in this feature to indicate if the feature is unsurveyed or unprotracted.

FIELD SURVTYPTXT
FIELD DESCRIPTION
The description of the survey type code. There may be a description of the survey type, or survey status in the case of this feature, without a code.

FIELD GLOBALID
FIELD DESCRIPTION
ESRI generated ID field

DETAILS FOR OBJECT PLSS Intersected
DEFINITION
PLSS Intersected is all of the PLSS feature at the atomic or smallest polygon level. This dataset represents the GIS Version of the Public Land Survey System including both rectangular and non-rectangular surveys. The primary source for the data is cadastral survey records housed by the BLM supplemented with local records and geographic control coordinates from states, counties as well as other federal agencies such as the USGS and USFS. The data has been converted from source documents to digital form and transferred into a GIS format that is compliant with FGDC Cadastral Data Content Standards and Guidelines for publication. This data is optimized for data publication and sharing rather than for specific "production" or operation and maintenance.

DEFINITION SOURCE
Cadastral Data Publication Guideline

FIELD STATEABBR
FIELD DESCRIPTION
State abbreviation code two letter postal code

FIELD PRINMERCD
FIELD DESCRIPTION
Principal meridian code from the BLM PM Code list

FIELD PRINMER
FIELD DESCRIPTION
Principal meridian name as a text

FIELD TWNSHPNO
FIELD DESCRIPTION
Township number. The Township Number indicates the number of rows of townships, north or south from a Public Land Survey System Origin.

FIELD TWNSHPFRAC
FIELD DESCRIPTION
Township fraction. Township Fractions are created when there are gaps between surveyed Township boundaries or due to excess size in Townships that arose from executing original surveys.

FIELD TWNSHPDIR
FIELD DESCRIPTION
Township direction. The direction of a row of Townships from a Public Land Survey System Origin. These are typcially North and South in the West but may be East and West in Ohio

FIELD RANGENO
FIELD DESCRIPTION
Range number. The Range Number indicates the number of columns of townships, east or west from a Public Land Survey System Origin.

FIELD RANGEFRAC
FIELD DESCRIPTION
Range fraction. Range Fractions are created when there are gaps between surveyed Township boundaries or due to excess size in Townships that arose from executing original surveys.

FIELD RANGEDIR
FIELD DESCRIPTION
Range direction. The direction of a column of townships from a Public Land Survey System Origin. These are typcially East or West in the west but may be north or south in Ohio

FIELD TWNSHPDPCD
FIELD DESCRIPTION
If there are multiple townships in a Public Land Survey System Origin, State and Survey Name, the Township Duplicate Status is used to establish uniqueness. When more than one Public Land Survey System Township has the same Township and Range numbers and directions and fractions, and are in the same State, this attribute is used to distinguish among duplicate values.

FIELD PLSSID
FIELD DESCRIPTION
Concatenation of the principal meridian, township, range, and duplication code that forms a unique id.

FIELD STEWARD
FIELD DESCRIPTION
Data steward for the polygon

FIELD TWNSHPLAB
FIELD DESCRIPTION
Township label that is used for cartographic output or web display

FIELD FRSTDIVID
FIELD DESCRIPTION
A unique identifier for the first division that is built by appending the first division elements on the Township identifier.

FIELD FRSTDIVNO
FIELD DESCRIPTION
The number, letter or designator for the first division of the PLSS Township

FIELD FRSTDIVDUP
FIELD DESCRIPTION
A code indicating if the first division is a duplicated area or identifier

FIELD FRSTDIVTYP
FIELD DESCRIPTION
The type of first division; commonly the section but may be a lot, parcel, tract or other type of division.

FIELD FRSTDIVTXT
FIELD DESCRIPTION
The first division type as a text field

FIELD FRSTDIVLAB
FIELD DESCRIPTION
The label for the first division that is used for cartographic of web display purposes.

FIELD SECDIVID
FIELD DESCRIPTION
Unique identifier for the second division.

FIELD SECDIVNO
FIELD DESCRIPTION
Second division number or aliquot part reference.

FIELD SECDIVSUF
FIELD DESCRIPTION
Second division suffix used to uniquely identify duplicates or unnumbered lots

FIELD SECDIVTYP
FIELD DESCRIPTION
Code for the type of second division.

FIELD SECDIVNOTE
FIELD DESCRIPTION
A note or Code for the second division. Used for additional information

FIELD SECDIVTXT
FIELD DESCRIPTION
Second division type text description

FIELD SECDIVLAB
FIELD DESCRIPTION
PLSS Second Division label for cartographic output or web display.

FIELD SURVTYP
FIELD DESCRIPTION
Code of the type of special survey.

FIELD SURVTYPTXT
FIELD DESCRIPTION
The description of the survey type code. There may be a description of the survey type, or survey status in the case of this feature, without a code.

FIELD SURVNO
FIELD DESCRIPTION
Special survey number.

FIELD SURVSUF
FIELD DESCRIPTION
Special survey suffix designation that makes the identification of the area unique.

FIELD SURVNOTE
FIELD DESCRIPTION
Notes about the polygon feature that are important for using or understanding the feature. From the BLM SurvNotes are A = Approximate Acreage, C = Conflict or Questionable, D = Non-added Acreage

FIELD SURVLAB
FIELD DESCRIPTION
Label that is used for cartographic output or web display.

FIELD ACRES
FIELD DESCRIPTION
PLSS Special Survey Area in Acres

FIELD QSEC
FIELD DESCRIPTION
Quarter section identifier, a two letter label (NE,SE,SW,SE)

FIELD GOVLOT
FIELD DESCRIPTION
These are the Government Lot numbers or identifiers

FIELD QQSEC
FIELD DESCRIPTION
This is the quarter quarter PLSS reference, 1/16th part of a section

FIELD GlobalID
FIELD DESCRIPTION
ESRI generated ID field

DETAILS FOR OBJECT State Boundaries
DEFINITION
The Bureau of Census 2015 cartographic boundary simplified to represent selected geographic areas from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). These boundary files are specifically designed for small-scale thematic mapping. When possible, generalization is performed with the intent to maintain the hierarchical relationships among geographies and to maintain the alignment of geographies within a file set for a given year. Geographic areas may not align with the same areas from another year. States and equivalent entities are the primary governmental divisions of the United States.
DEFINITION SOURCE
U.S. Census Bureau

Field STATEFP
Field description
Current state Federal Information Processing Series (FIPS) code

Description source
U.S. Census Bureau

Field STATENS
Field description
Current state GNIS code
Description source
U.S. Census Bureau

Field AFFGEOID
Field description
American FactFinder summary level code + geovariant code + '00US' + GEOID
Description source
U.S. Census Bureau

Field GEOID
Field description
State identifier; state FIPS code
Description source
U.S. Census Bureau

Field STUSPS
Field description
Current United States Postal Service state abbreviation
Description source

U.S. Census Bureau

Field NAME
Field description
Current state name
Description source
U.S. Census Bureau

Field LSAD
Field description
Current legal/statistical area description code for state
Description source
U.S. Census Bureau

Field ALAND
Field description
Current land area (square meters)
Description source
U.S. Census Bureau

Field AWATER
Field description
Current water area (square meters)
Description source
U.S. Census Bureau

Field OBJECTID
Field description
Internal feature number.
Description source
ESRI

Details for object PLSS Second Division
Definition
The second division of the PLSS is quarter, quarter-quarter, sixteenth or government lot division of the PLSS. The second and third divisions are combined into this feature class as an intentional de-normalization of the PLSS hierarchical data. The polygons in this feature class represent the smallest division to the sixteenth that has been defined for the first division. For example In some cases sections have only been divided to the quarter. Divisions below the sixteenth are in the Special Survey or Parcel Feature Class.

Definition source
Cadastral Data Publication Guideline

Field FRSTDIVID
Field description
Unique identifier for the first division.

Field PLSSID
Field description
Concatenation of the principal meridian, township, range, and duplication code that form a unique identifier for the township.

Field SECDIVID
Field description
Unique identifier for the second division.

Field SECDIVLAB
Field description
PLSS Second Division label for cartographic output or web display.

Field SECDIVNOTE
Field description
Second division number or aliquot part reference.

Field SECDIVSUF
Field description
Second division suffix. Second division suffix used to identify duplicates or suffix to the name

Field SECDIVNO
Field description
Second division number or aliquot part reference.

FIELD SECDIVTXT
FIELD DESCRIPTION
Second division type text description

FIELD SECDIVTYP
FIELD DESCRIPTION
Code of the type of second division.

FIELD SOURCEREF
FIELD DESCRIPTION
The reference to the source document could be a reference to a map or plat or a deed. This could include document type.

FIELD SOURCEDATE
FIELD DESCRIPTION
The date of the source document

FIELD RECRDAREATX
FIELD DESCRIPTION
The record or recorded area as an alphanumeric field.

FIELD RECRDAREANO
FIELD DESCRIPTION
The record or recorded area as a numeric field.

FIELD SURVTYP
FIELD DESCRIPTION
Code for the type of special survey typically from the codes for the BLM data collection. Used in this feature to indicate if the feature is unsurveyed or unprotracted.

FIELD SURVTYPTXT
FIELD DESCRIPTION
The description of the survey type code. There may be a description of the survey type, or survey status in the case of this feature, without a code.

FIELD GLOBALID
FIELD DESCRIPTION
GLOBALID

FIELD GISACRE
FIELD DESCRIPTION
The area of the feature in acres - computed from the GIS, this is not the record area.

OVERVIEW DESCRIPTION
ENTITY AND ATTRIBUTE OVERVIEW
See the BLM Public Land Survey System Data Dictionary contained in Layer Package

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   2024-01-05
ARCGIS METADATA PROPERTIES
METADATA FORMAT   ArcGIS 1.0
STANDARD OR PROFILE USED TO EDIT METADATA   FGDC
METADATA STYLE   FGDC CSDGM Metadata
CREATED IN ARCGIS FOR THE ITEM   2023-12-13
LAST MODIFIED IN ARCGIS FOR THE ITEM   2024-01-05
AUTOMATIC UPDATES
HAVE BEEN PERFORMED   Yes
LAST UPDATE   2024-01-05

Metadata Contacts
METADATA CONTACT
INDIVIDUAL'S NAME   NOC Data Management Lead
ORGANIZATION'S NAME   BLM National Operations Center, OC530
CONTACT'S POSITION   NOC Data Management Lead
CONTACT'S ROLE   point of contact
CONTACT INFORMATION
PHONE
VOICE   (303)236-6806
FAX   (303)236-3508
ADDRESS
TYPE   physical
DELIVERY POINT   Bldg. 50, Denver Federal Center
CITY   Denver
ADMINISTRATIVE AREA   CO
POSTAL CODE   80225
COUNTRY   US
E-MAIL ADDRESS   jshouldis@blm.gov

Metadata Maintenance
MAINTENANCE
UPDATE FREQUENCY   unknown
OTHER MAINTENANCE REQUIREMENTS
Last metadata review date: 2017-04-12