

## BLM Natl Public Land Survey System Township 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 Township 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](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 Township 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\_township\_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](mailto: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.

## LEGAL CONSTRAINTS

### LIMITATIONS OF USE

The BLM assumes no responsibility for errors or omissions. No warranty is made by the BLM as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data; nor shall the act of distribution to contractors, partners, or beyond, constitute any such warranty for individual or aggregate data use with other data. Although these data have been processed successfully on computers of BLM, no warranty, expressed or implied, is made by BLM regarding the use of these data on any other system, or for general or scientific purposes, nor does the fact of distribution constitute or imply any such warranty. In no event shall the BLM have any liability whatsoever for payment of any consequential, incidental, indirect, special, or tort damages of any kind, including, but not limited to, any loss of profits arising out of the use or reliance on the geographic data or arising out of the delivery, installation, operation, or support by BLM.

ACCESS CONSTRAINTS    other restrictions

### OTHER CONSTRAINTS

None, these data are considered public domain.

## Spatial Reference

### ARC GIS 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\_township\_230921\_v1**  
\* OBJECT TYPE    **composite**  
\* OBJECT COUNT    **85316**

### ARC GIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME    **plss\_township\_230921\_v1**  
\* FEATURE TYPE    **Simple**  
\* GEOMETRY TYPE    **Polygon**  
\* HAS TOPOLOGY    **FALSE**  
\* FEATURE COUNT    **85316**  
\* 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](mailto: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](mailto: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](mailto: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

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 **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](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](https://gis.blm.gov/arcgis/rest/services/Cadastral/BLM_Natl_PLSS_CadNSDI/MapServer)**

## Fields

DETAILS FOR OBJECT **[plss\\_township\\_230921\\_v1](#)**

\* TYPE **Feature Class**  
\* ROW COUNT **85316**

#### 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 STATEABBR

\* ALIAS **State Abbreviation**  
\* DATA TYPE **String**  
\* WIDTH **2**  
\* PRECISION **0**  
\* SCALE **0**

#### FIELD DESCRIPTION

**State abbreviation code two letter postal code**

#### DESCRIPTION OF VALUES

**Coordinates defining the features.**

#### FIELD PRINMERC

\* ALIAS **Prime Meridian Code**  
\* DATA TYPE **String**  
\* WIDTH **2**  
\* PRECISION **0**  
\* SCALE **0**

#### FIELD DESCRIPTION

**Principal meridian code from the BLM PM Code list.**

#### FIELD PRINMER

\* ALIAS Principal Meridian  
\* DATA TYPE String  
\* WIDTH 40  
\* PRECISION 0  
\* SCALE 0

##### FIELD DESCRIPTION

Principal meridian name as a text

#### FIELD TWNHPNO

\* ALIAS Township  
\* DATA TYPE String  
\* WIDTH 3  
\* PRECISION 0  
\* SCALE 0

##### 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 TWNHPFRAC

\* ALIAS Township Fraction  
\* DATA TYPE String  
\* WIDTH 1  
\* PRECISION 0  
\* SCALE 0

##### 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 TWNHPDIR

\* ALIAS Township Direction  
\* DATA TYPE String  
\* WIDTH 1  
\* PRECISION 0  
\* SCALE 0

##### FIELD DESCRIPTION

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

#### FIELD RANGENO

\* ALIAS Range  
\* DATA TYPE String  
\* WIDTH 3  
\* PRECISION 0  
\* SCALE 0

##### 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

\* ALIAS Range Fraction  
\* DATA TYPE String  
\* WIDTH 1  
\* PRECISION 0  
\* SCALE 0

##### 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

\* ALIAS Range Direction  
\* DATA TYPE String  
\* WIDTH 1  
\* PRECISION 0  
\* SCALE 0

##### FIELD DESCRIPTION

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

#### FIELD TWNHPDCD

\* ALIAS Township Code  
\* DATA TYPE String  
\* WIDTH 1  
\* PRECISION 0  
\* SCALE 0

##### 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. A is the first duplicate, B the second etc. A 0 in this field indicates no duplicates

#### FIELD PLSSID

\* ALIAS PLSS ID  
\* DATA TYPE String  
\* WIDTH 16  
\* PRECISION 0  
\* SCALE 0

##### FIELD DESCRIPTION

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

#### FIELD STEWARD

\* ALIAS Data Steward for PLSS Township Data  
\* DATA TYPE String  
\* WIDTH 50  
\* PRECISION 0  
\* SCALE 0

##### FIELD DESCRIPTION

Data steward for a township.

#### FIELD **TWNHPLAB**

\* **ALIAS** Township-Range  
\* **DATA TYPE** String  
\* **WIDTH** 20  
\* **PRECISION** 0  
\* **SCALE** 0

#### FIELD DESCRIPTION

Township label that is used for cartographic output or web display

#### FIELD **SRVNAME**

\* **ALIAS** SRVNAME  
\* **DATA TYPE** String  
\* **WIDTH** 60  
\* **PRECISION** 0  
\* **SCALE** 0

#### FIELD DESCRIPTION

PLSS Township has a recognized name.

#### FIELD **SOURCEDATE**

\* **ALIAS** Source Date  
\* **DATA TYPE** Date  
\* **WIDTH** 8  
\* **PRECISION** 0  
\* **SCALE** 0

#### FIELD DESCRIPTION

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#### FIELD **SOURCEREF**

\* **ALIAS** Reference Source  
\* **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 **SECSRVNAME**

\* **ALIAS** Secondary Survey Name for Ohio Surveys  
\* **DATA TYPE** String  
\* **WIDTH** 60  
\* **PRECISION** 0  
\* **SCALE** 0

#### FIELD DESCRIPTION

Secondary Survey name for Ohio Surveys

#### FIELD **SURVTYP**

\* **ALIAS** SURVTYP  
\* **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 **SURVTYPTXT**

\* **ALIAS** SURVTYPTXT  
\* **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 **created\_user**

\* **ALIAS** Created User  
\* **DATA TYPE** String  
\* **WIDTH** 255  
\* **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 **created\_date**

\* **ALIAS** Created 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 `last_edited_user`

\* ALIAS Last Edited User  
\* DATA TYPE String  
\* WIDTH 255  
\* 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 `last_edited_date`

\* ALIAS Last Edited 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 `ORIGID`

\* ALIAS ORIGID  
\* 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 `PartCount`

\* ALIAS PartCount  
\* DATA TYPE SmallInteger  
\* 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 `GLOBALID`

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

FIELD DESCRIPTION

ESRI generated ID field

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 typically 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 typically East or West in the west but may be north or south in Ohio

FIELD **TWNSHPDCD**

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** **SURVPTYTXT**  
**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

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COUNTRY US

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## Metadata Maintenance

### MAINTENANCE

UPDATE FREQUENCY unknown

OTHER MAINTENANCE REQUIREMENTS

Last metadata review date: 20170412