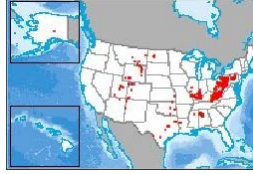# Coal Mine/Facility

Tags

energy, infrastructure, coal, mines, surface, underground, United States, EIA, shapefile

Summary

This data was created for the purpose of identifying and providing information on surface and underground coal mines in the United States.

Description

This is a point dataset representing operating surface and underground coal mines in the United States in 2018. These data originate from the U.S. Energy Information Administration, Form EIA-7A "Coal Production and Preparation Report" and the U.S. Department of Labor, Mine Safety and Health Administration Form 7000-2, "Quarterly Mine Employment and Coal Production Report." For additional mine data see "Historical Detailed Coal Production Data": http://www.eia.gov/coal/data.cfm#production

Credits

U.S. Energy Information Administration and U.S. Department of Labor, Mine Safety and Health Administration

Use limitations

None (public use). Users are advised to thoroughly review the metadata to understand the appropriate use and limitations of the data. These data and related graphics, if available, are not legal documents and are not intended to be used as such.The information contained in these data is dynamic and may change over time. The U.S. Energy Information Administration gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of these data.

Extent
West -148.966111 **East** -75.484705
North 63.856944 **South** 28.683333

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

ArcGIS Metadata

Topics and Keywords

* CONTENT TYPE Downloadable Data
  EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS United States, USA

THEME KEYWORDS energy, infrastructure, coal, mines, EIA

Citation

TITLE Coal Mine/Facility
PUBLICATION DATE 2020-01-13

PRESENTATION FORMATS * digital map

Resource Details

DATASET LANGUAGES * English (UNITED STATES)

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.6.1.9270

CREDITS
  U.S. Energy Information Administration and U.S. Department of Labor, Mine Safety and Health Administration

ARCGIS ITEM PROPERTIES
  * NAME coal_mines_and_facilities_v4
  * SIZE 0.000
    * ACCESS PROTOCOL Local Area Network

Extents

EXTENT
  GEOGRAPHIC EXTENT

    BOUNDING RECTANGLE
      EXTENT TYPE Extent used for searching
      * WEST LONGITUDE -148.966111
      * EAST LONGITUDE -75.484705
      * NORTH LATITUDE 63.856944
      * SOUTH LATITUDE 28.683333
      * EXTENT CONTAINS THE RESOURCE Yes

  EXTENT IN THE ITEM'S COORDINATE SYSTEM
    * WEST LONGITUDE -16582831.621974
    * EAST LONGITUDE -8402918.923280
    * SOUTH LATITUDE 3335402.829894

* **NORTH LATITUDE** 9313529.319681
* **EXTENT CONTAINS THE RESOURCE** Yes

Resource Points of Contact

POINT OF CONTACT
   INDIVIDUAL'S NAME EIA mapping feedback: mapping@eia.gov
   ORGANIZATION'S NAME U.S. Energy Information Administration
   CONTACT'S ROLE point of contact

Resource Maintenance

RESOURCE MAINTENANCE
   UPDATE FREQUENCY annually

Resource Constraints

CONSTRAINTS
   LIMITATIONS OF USE
   None (public use). Users are advised to thoroughly review the metadata to understand the appropriate use and limitations of the data. These data and related graphics, if available, are not legal documents and are not intended to be used as such.The information contained in these data is dynamic and may change over time. The U.S. Energy Information Administration gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of these data.

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 -22041257.77387803
     Y ORIGIN -30241100
     XY SCALE 144148035.89861274
     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 coal_mines_and_facilities_v4
* **OBJECT TYPE** point
* **OBJECT COUNT** 679

ARCGIS FEATURE CLASS PROPERTIES
   FEATURE CLASS NAME coal_mines_and_facilities_v4
* **FEATURE TYPE** Simple

* **GEOMETRY TYPE** Point
* **HAS TOPOLOGY** FALSE
* **FEATURE COUNT** 679
* **SPATIAL INDEX** TRUE
* **LINEAR REFERENCING** FALSE

Lineage

LINEAGE STATEMENT
   EIA-7A for all mines producing over 25,000 tons in year and U.S. Dept. of Labor, Mine Safety and Health Admin. for mines under 25,000 tons.

Distribution

DISTRIBUTION FORMAT
* **NAME** File Geodatabase Feature Class

TRANSFER OPTIONS
* **TRANSFER SIZE** 0.000

Fields

DETAILS FOR OBJECT coal_mines_and_facilities_v4
* **TYPE** Feature Class
* **ROW COUNT** 679

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 YEAR_
ALIAS Year
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
  Year data is reported for

DESCRIPTION SOURCE
  EIA

FIELD MSHA_ID
* ALIAS MSHA_ID
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
  Mine Safety and Health Administration (MSHA) ID#.

FIELD name
* ALIAS name
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
  MSHA name of coal mine.

FIELD type_
* ALIAS type_
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
  Mining operation type - underground mine or surface mine.

DESCRIPTION SOURCE
  EIA

LIST OF VALUES
  VALUE Surface
  DESCRIPTION A coal-producing mine that is usually within a few hundred feet of the surface.
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE EIA

  VALUE Underground
  DESCRIPTION A mine where coal is produced by tunneling into the earth to the coalbed.
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE EIA

FIELD mstafips
* ALIAS mstafips
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
  FIPS state code where mine is located

FIELD state
* ALIAS state
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
  State location of mine.

DESCRIPTION SOURCE
  EIA

FIELD county
* ALIAS county
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
  County location of mine.

DESCRIPTION SOURCE
  EIA

FIELD mctyfips
* ALIAS mctyfips
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
  FIPS county code where mine is location

FIELD lat
ALIAS Latitude
* DATA TYPE Double

* **Width** 8
* **Precision** 0
* **Scale** 0
Field description
 The latitude of the mine in decimal degrees.

Description source
 EIA

Field lon
 Alias Longitude
* **Data type** Double
* **Width** 8
* **Precision** 0
* **Scale** 0
Field description
 The longitude of the mine in decimal degrees.

Description source
 EIA

Field unit
* **Alias** unit
* **Data type** String
* **Width** 254
* **Precision** 0
* **Scale** 0
Field description
 The unit of measure for production.

Field tot_prod
 Alias Total production
* **Data type** String
* **Width** 254
* **Precision** 0
* **Scale** 0
Field description
 Annual total coal production for mine in tons.

Description source
 EIA

Field notes
* **Alias** notes
* **Data type** String
* **Width** 254
* **Precision** 0
* **Scale** 0
Field description
 Additional notes

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.

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** 2020-03-25
ArcGIS metadata properties
 Metadata format ArcGIS 1.0
 Metadata style FGDC CSDGM Metadata
 Standard or profile used to edit metadata FGDC
 Created in ArcGIS for the item 2020-03-24
 Last modified in ArcGIS for the item 2020-03-25
 Automatic updates
  Have been performed Yes
  Last update 2020-03-25

Metadata Contacts

Metadata contact
 Individual's name EIA mapping feedback: mapping@eia.gov
 Organization's name U.S. Energy Information Administration

Metadata Maintenance ▶

Maintenance
 Update frequency annually