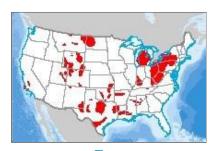# Sedimentary Basins with EIA Shale Plays

Tags
basin, sedimentary, shale gas

Summary

Sedimentary basins associated with the EIA shale plays as of 5-6-2011. Sedimentary basin which do not have shale plays as of publication date are not included in this file. Sources for the basins are mostly from the US Geological Survey and state agencies such as the WY Geological Survey.

Description

Sedimentary basins associated with the EIA shale plays as of 5-6-2011

Credits

There are no credits for this item.

Use limitations

The U.S. Energy Information Administration shall not be held liable for improper or incorrect use of the data described and/or contained herein. 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 -121.977502   East   -73.603537

North   49.002446   South 25.772486

Scale Range

Maximum (zoomed in)   1:50,000

Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE   geoscientificInformation

* CONTENT TYPE   Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

Citation

TITLE Sedimentary Basins with EIA Shale Plays

PUBLICATION DATE 2011-05-06 00:00:00

PRESENTATION FORMATS   digital map

Citation Contacts
RESPONSIBLE PARTY
INDIVIDUAL'S NAME Sam Limerick
ORGANIZATION'S NAME Z, Inc. (Contractor to EIA)
CONTACT'S ROLE author

CONTACT INFORMATION
PHONE
VOICE 775-825-0640

ADDRESS
TYPE
E-MAIL ADDRESS samuel.limerick@eia.gov

HOURS OF SERVICE
8-5 Pacific time, M-F

Resource Details
DATASET LANGUAGES (UNITED STATES)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format
SPATIAL REPRESENTATION TYPE vector
* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.0.4322

ArcGIS ITEM PROPERTIES
* NAME shale_gas_basins_v2
* SIZE 0.539

Extents
EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -121.977502
* EAST LONGITUDE -73.603537
* NORTH LATITUDE 49.002446
* SOUTH LATITUDE 25.772486
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE -13578473.458743
* EAST LONGITUDE -8193508.257197
* SOUTH LATITUDE 2970929.572580
* NORTH LATITUDE 6275276.448215
* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact
POINT OF CONTACT
INDIVIDUAL'S NAME Sam Limerick
ORGANIZATION'S NAME Z Inc. (contractor to EIA)
CONTACT'S POSITION GIS Analyst/ Geologist
CONTACT'S ROLE author

CONTACT INFORMATION
ADDRESS
TYPE
E-MAIL ADDRESS samuel.limerick@eia.doe.gov

Resource Maintenance
RESOURCE MAINTENANCE
UPDATE FREQUENCY unknown

Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

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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 -22041257.952553775
Y ORIGIN -30241100
XY SCALE 144148035.48642668
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 4269
* **CODESPACE** EPSG
* **VERSION** 8.2.6

Spatial Data Properties

VECTOR

* **LEVEL OF TOPOLOGY FOR THIS DATASET** geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME shale_gas_basins_v2
* **OBJECT TYPE** composite
* **OBJECT COUNT** 32

ArcGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME shale_gas_basins_v2
* **FEATURE TYPE** Simple
* **GEOMETRY TYPE** Polygon
* **HAS TOPOLOGY** FALSE
* **FEATURE COUNT** 32
* **SPATIAL INDEX** TRUE
* **LINEAR REFERENCING** FALSE

Distribution

DISTRIBUTION FORMAT

* **NAME** File Geodatabase Feature Class

TRANSFER OPTIONS

* **TRANSFER SIZE** 0.539

Fields

Details for object shale_gas_basins_v2
* Type Feature Class
* Row count 32

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 NAME
* Alias NAME
* Data type String
* Width 50
* Precision 0
* Scale 0

Field Area_sq_km
* Alias Area_sq_km
* Data type Double
* Width 8
* Precision 0
* Scale 0

Field Area_sq_mi
* Alias Area_sq_mi
* Data type Double
* Width 8
* Precision 0
* Scale 0

FIELD Shape_Length
  * ALIAS Shape_Length
  * DATA TYPE Double
  * WIDTH 8
  * PRECISION 0
  * SCALE 0
  * FIELD DESCRIPTION

    Length of feature in internal units.

  * DESCRIPTION SOURCE

    Esri

  * DESCRIPTION OF VALUES

    Positive real numbers that are automatically generated.

FIELD Shape_Area
  * ALIAS Shape_Area
  * DATA TYPE Double
  * WIDTH 8
  * PRECISION 0
  * SCALE 0
  * FIELD DESCRIPTION

    Area of feature in internal units squared.

  * DESCRIPTION SOURCE

    Esri

  * DESCRIPTION OF VALUES

    Positive real numbers that are automatically generated.

Metadata Details

METADATA LANGUAGE English ()
METADATA CHARACTER SET   utf8 - 8 bit UCS Transfer Format
SCOPE OF THE DATA DESCRIBED BY THE METADATA   dataset
SCOPE NAME   * dataset
* LAST UPDATE 2016-03-14

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 2016-03-11 11:00:50
  LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-03-14 17:48:42

  AUTOMATIC UPDATES
    HAVE BEEN PERFORMED Yes
    LAST UPDATE 2016-03-14 17:48:28

Metadata Contacts

METADATA CONTACT
  INDIVIDUAL'S NAME Sam Limerick
  ORGANIZATION'S NAME Z, Inc. (Contractor to EIA)
  CONTACT'S ROLE   author

    CONTACT INFORMATION
      PHONE
        VOICE 775-825-0640

      ADDRESS
        TYPE

E-MAIL ADDRESS samuel.limerick@eia.gov

HOURS OF SERVICE
8-5 Pacific time, M-F

Metadata Maintenance

MAINTENANCE
UPDATE FREQUENCY   unknown