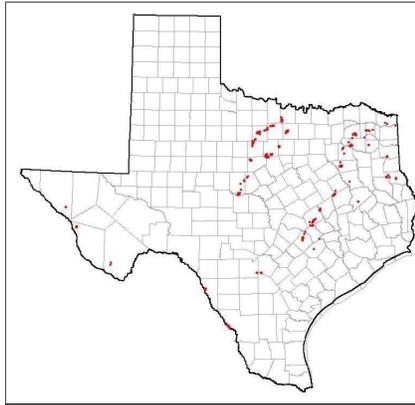


## TX\_Hist\_CoalAreas

### Shapefile



### Tags

mining, Texas, coal, lignite, disturbance

### Summary

Provide approximate extent of coal mining-affected areas, related to historical coal mining activities in Texas (pre-1977).

### Description

Historical Coal Areas in Texas - compiled data set from Texas Mine Land Inventory Database (12,107 records), Coal Mine Inventory database (292 records), USGS MM41 publication, an annotated bibliography, and other literature.

### Credits

There are no credits for this item.

### Use limitations

This product of the Railroad Commission of Texas, Surface Mining and Reclamation Division, is intended to provide general information only and should not be used for any other purpose. It is not intended for resale or to replace site-specific investigations. These data were compiled by the Railroad Commission of Texas, which reserves the publication rights to this material. If these data are used in the compilation of other data sets or maps for distribution or publication, this source must be referenced. Neither the Railroad Commission of Texas, nor any agency thereof, nor any of their employees, contractors, or subcontractors, make any warranty, express or implied, nor assume any legal liability or responsibility for the accuracy, completeness, or usefulness of this product. Any use thereof for a purpose other than for which said information or product was intended shall be solely at the risk of the user.

### Extent

**West** -105.494148    **East** -93.788847  
**North** 37.790873    **South** 27.561280

### Scale Range

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

### ArcGIS Metadata ►

### Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE [environment, geoscientificInformation](#)

\* CONTENT TYPE [Downloadable Data](#)  
 EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION [No](#)

THEME KEYWORDS [mining, Texas, coal, lignite, historical](#)

[Hide Topics and Keywords ▲](#)

## Citation ►

\* TITLE [TX\\_Hist\\_CoalAreas](#)  
 CREATION DATE [2007-01-17 00:00:00](#)  
 PUBLICATION DATE [2007-02-08 00:00:00](#)  
 REVISION DATE [2014-01-13 00:00:00](#)

PRESENTATION FORMATS [\\* digital map](#)

[Hide Citation ▲](#)

## Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME [Jon Brandt, P.G.](#)  
 ORGANIZATION'S NAME [Railroad Commission of Texas, Surface Mining and Reclamation Division, Abandoned Mine Land Program](#)  
 CONTACT'S POSITION [Geoscientist](#)  
 CONTACT'S ROLE [originator](#)

[Hide Citation Contacts ▲](#)

## Resource Details ►

DATASET LANGUAGES [\\* English \(UNITED STATES\)](#)  
 DATASET CHARACTER SET [utf8 - 8 bit UCS Transfer Format](#)

STATUS [historical archive](#)  
 SPATIAL REPRESENTATION TYPE [\\* vector](#)

\* PROCESSING ENVIRONMENT [Microsoft Windows 7 Version 6.1 \(Build 7601\) Service Pack 1; Esri ArcGIS 10.1.1.3143](#)

ARCGIS ITEM PROPERTIES

\* NAME [TX\\_Hist\\_CoalAreas](#)  
 \* SIZE [0.227](#)  
 \* LOCATION [file:///\\rrc4av-fpw2\sm\AML\INVENTORY.TML\CoalMine\\_Inventory\\_GIS\FilesForPublicInfo\TX\\_Hist\\_CoalAreas.shp](#)  
 \* ACCESS PROTOCOL [Local Area Network](#)

[Hide Resource Details ▲](#)

## Extents ►

EXTENT

DESCRIPTION

Extent of data collection starts after SMCRA rules passed, until present. Historical data

represent a period starting in the 1880s until August 1977.

#### GEOGRAPHIC EXTENT

##### BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

\* WEST LONGITUDE -105.494148

\* EAST LONGITUDE -93.788847

\* NORTH LATITUDE 37.790873

\* SOUTH LATITUDE 27.561280

\* EXTENT CONTAINS THE RESOURCE Yes

#### TEMPORAL EXTENT

BEGINNING DATE 1977-08-17 00:00:00

ENDING DATE 2014-01-10 00:00:00

#### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 1013390.444270

\* EAST LONGITUDE 2050239.576645

\* SOUTH LATITUDE 7063252.999076

\* NORTH LATITUDE 8184385.015635

\* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

## Resource Points of Contact ►

#### POINT OF CONTACT

INDIVIDUAL'S NAME Jon Brandt, P.G.

ORGANIZATION'S NAME Railroad Commission of Texas, Surface Mining and Reclamation Division, Abandoned Mine Land Program

CONTACT'S POSITION Geoscientist

CONTACT'S ROLE originator

#### CONTACT INFORMATION ►

##### PHONE

VOICE 512-463-7313

FAX 512-463-6709

##### ADDRESS

TYPE physical

DELIVERY POINT Railroad Commission of Texas, Surface Mining and Reclamation Division, Abandoned Mine Land Program

CITY Austin

ADMINISTRATIVE AREA Texas

POSTAL CODE 78701

COUNTRY US

E-MAIL ADDRESS [jon.brandt@rrc.state.tx.us](mailto:jon.brandt@rrc.state.tx.us)

HOURS OF SERVICE 8:00 - 17:00, M-F

##### CONTACT INSTRUCTIONS

If unable to reach Jon Brandt, please ask for Mark Rhodes, AML Program Manager, or John Caudle, P.E., Division Director

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

### RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

OTHER MAINTENANCE REQUIREMENTS If unable to reach Jon Brandt, please ask for Mark Rhodes, AML Program Manager, or John Caudle, P.E., Division Director

[Hide Resource Maintenance ▲](#)

## Resource Constraints ►

### CONSTRAINTS

#### LIMITATIONS OF USE

This product of the Railroad Commission of Texas, Surface Mining and Reclamation Division, is intended to provide general information only and should not be used for any other purpose. It is not intended for resale or to replace site-specific investigations. These data were compiled by the Railroad Commission of Texas, which reserves the publication rights to this material. If these data are used in the compilation of other data sets or maps for distribution or publication, this source must be referenced. Neither the Railroad Commission of Texas, nor any agency thereof, nor any of their employees, contractors, or subcontractors, make any warranty, express or implied, nor assume any legal liability or responsibility for the accuracy, completeness, or usefulness of this product. Any use thereof for a purpose other than for which said information or product was intended shall be solely at the risk of the user

[Hide Resource Constraints ▲](#)

## Spatial Reference ►

### ARCgis COORDINATE SYSTEM

\* TYPE Projected

\* GEOGRAPHIC COORDINATE REFERENCE GCS\_North\_American\_1983

\* PROJECTION NAD\_1983\_Texas\_Centric\_Mapping\_System\_Albers

\* COORDINATE REFERENCE DETAILS

#### PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102601

X ORIGIN -17170300

Y ORIGIN -691300

XY SCALE 241217314.52469939

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 3083

WELL-KNOWN TEXT PROJCS["NAD\_1983\_Texas\_Centric\_Mapping\_System\_Albers",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Albers"],PARAMETER["False\_Easting",1500000.0],PARAMETER["False\_Northing",6000000.0],PARAMETER["Central\_Meridian",-100.0],PARAMETER["Standard\_Parallel\_1",27.5],PARAMETER["Standard\_Parallel\_2",35.0],PARAMETER["Latitude\_Of\_Origin",18.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3083]]

## REFERENCE SYSTEM IDENTIFIER

- \* VALUE 3083
- \* CODESPACE EPSG
- \* VERSION 7.11.2

[Hide Spatial Reference ▲](#)

## Spatial Data Properties ►

## VECTOR ►

- \* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

## GEOMETRIC OBJECTS

- FEATURE CLASS NAME TX\_Hist\_CoalAreas
- \* OBJECT TYPE composite
- \* OBJECT COUNT 369

[Hide Vector ▲](#)

## ARCGIS FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME TX\_Hist\_CoalAreas
- \* FEATURE TYPE Simple
- \* GEOMETRY TYPE Polygon
- \* HAS TOPOLOGY FALSE
- \* FEATURE COUNT 369
- \* SPATIAL INDEX TRUE
- \* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

## Geoprocessing history ►

## PROCESS

```

PROCESS NAME Project_1
DATE 2008-09-03 10:39:38
TOOL LOCATION C:\Program Files\ArcGIS\ArcToolbox\Toolboxes\Data Management
Tools.tbx\Project
COMMAND ISSUED
Project G:\INVENTORY.TML\CoalMine_Inventory_GIS\CoalAreas_TCMS.shp
G:\INVENTORY.TML\CoalMine_Inventory_GIS\CoalAreas_TCMS_Project.shp PROJCS
['NAD_1983_Texas_Centric_Mapping_System_Albers',GEOGCS
['GCS_North_American_1983',DATUM['D_North_American_1983',SPHEROID
['GRS_1980',6378137.0,298.257222101]],PRIMEM['Greenwich',0.0],UNIT
['Degree',0.0174532925199433]],PROJECTION['Albers'],PARAMETER
['False_Easting',1500000.0],PARAMETER['False_Northing',6000000.0],PARAMETER
['Central_Meridian',-100.0],PARAMETER['Standard_Parallel_1',27.5],PARAMETER
['Standard_Parallel_2',35.0],PARAMETER['Latitude_Of_Origin',18.0],UNIT
['Meter',1.0]] NAD_1927_To_NAD_1983_NADCON GEOGCS
['GCS_North_American_1927',DATUM['D_North_American_1927',SPHEROID
['Clarke_1866',6378206.4,294.9786982]],PRIMEM['Greenwich',0.0],UNIT
['Degree',0.0174532925199433]]
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

```

**PROCESS**

## PROCESS NAME

DATE 2013-08-22 13:34:44

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

## COMMAND ISSUED

CalculateField CoalAreas\_TCMS NumCheck "Y" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

[Hide Geoprocessing history ▲](#)**Distribution ►**

## DISTRIBUTION FORMAT

\* NAME Shapefile

VERSION January 2014

## TRANSFER OPTIONS

\* TRANSFER SIZE 0.227

[Hide Distribution ▲](#)**Fields ►**

## DETAILS FOR OBJECT TX\_Hist\_CoalAreas ►

\* TYPE Feature Class

\* ROW COUNT 369

## DEFINITION

Polygons showing approximate extent of historical coal mining activity - areas delineated by examining aerial photographs, by field work during site visits, or just an approximate circle to denote a suspected site. Every coal site (TX\_Hist\_CoalSites data) has an associated polygon in this dataset. However, there are 16 areas that don't contain a coal site associated with them, but there is suspected historical coal-mining activity (identified by features observed in aerial photographs)

## DEFINITION SOURCE

Railroad Commission of Texas, Surface Mining and Reclamation Division, Abandoned Mine Land Program

## FIELD FID ►

\* ALIAS FID

\* 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.

[Hide Field FID ▲](#)

## 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.

*Hide Field Shape ▲*

## FIELD Site\_ID ►

- ALIAS Site ID Number
- \* DATA TYPE String
- \* WIDTH 14
- \* PRECISION 0
- \* SCALE 0
- FIELD DESCRIPTION  
Coal Inventory site - ID established with the Finley et al. inventory report from October 1979. Unique mine site identification number comprised of 4 parts:  
First part - first or first and second letters of the county. Examples: B - Brown County; Ea - Eastland County; and Er - Erath County.  
Second part - first or first and second letters of U.S. Geological Survey (USGS) quadrangle name. Example: N - Newcastle.  
Third part - in which quadrant of the USGS quadrangle the site is located  
Fourth part - number of the site on that quadrangle map  
Example of Site ID: Bx/S-4-2 Site located in Bexar County, Somerset quadrangle, fourth quadrant, and is the second site found in that quadrangle.
- DESCRIPTION SOURCE  
Railroad Commission of Texas, Surface Mining and Reclamation Division

DESCRIPTION OF VALUES Coal Inventory site - ID established with the Finley et al. inventory report from October 1979. Unique mine site identification number determined by method described above.

*Hide Field Site\_ID ▲*

## FIELD SITE\_NUMBE ►

- ALIAS SITE NUMBER
- \* DATA TYPE String
- \* WIDTH 20
- \* PRECISION 0
- \* SCALE 0
- FIELD DESCRIPTION  
Texas Mine Land Inventory site number - comprised of a unique sequence of three digits, three letters, and three digits that identifies the area where a site is located and the specific number assigned to the site. First 3 digits are the Federal Information Processing Standards (FIPS) code. The second part of the ID is a 3-letter abbreviation for the U.S. Geological Survey (USGS) 7.5-minute quadrangle in which the site is located. The third part of the site ID number is the 3-digit code for the site within a USGS quadrangle - the code was derived from the well numbering system from the

Texas Water Development Board; where each quadrangle is subdivided into nine 2.5-minute sectors. The sectors are numbered consecutively, starting in the northwest corner.

Example of site number: 029SMT202 FIPS 029 is Bexar County; SMT is the Somerset quadrangle; the site is the second one numbered in the northern 2.5-minute sector of the quadrangle

#### DESCRIPTION SOURCE

Railroad Commission of Texas, Surface Mining and Reclamation Division

**DESCRIPTION OF VALUES** Texas Mine Land Inventory site number - comprised of a unique sequence of three digits, three letters, and three digits that identifies the area where a site is located and the specific number assigned to the site. See method described above.

*Hide Field SITE\_NUMBE ▲*

#### FIELD Mine\_Name ►

**ALIAS** Mine Name

\* **DATA TYPE** String

\* **WIDTH** 50

\* **PRECISION** 0

\* **SCALE** 0

#### FIELD DESCRIPTION

Name of mine, if available - obtained from different sources - information sources/references listed for each mine site. Information sources available in TX\_Hist\_CoalSites dataset.

#### DESCRIPTION SOURCE

Railroad Commission of Texas, Surface Mining and Reclamation Division

**DESCRIPTION OF VALUES** Variable - either from literature or from local sources

*Hide Field Mine\_Name ▲*

#### FIELD Acres ►

\* **ALIAS** Acres

\* **DATA TYPE** Double

\* **WIDTH** 10

\* **PRECISION** 9

\* **SCALE** 1

#### FIELD DESCRIPTION

Estimated with ArcGIS software, obtained with the Calculate Geometry function in the attribute table, using the following coordinate system: NAD 1983 Texas Centric Mapping System Albers

#### DESCRIPTION SOURCE

Railroad Commission of Texas, Surface Mining and Reclamation Division

#### RANGE OF VALUES

**MINIMUM VALUE** 0

**MAXIMUM VALUE** 2000

*Hide Field Acres ▲*

#### FIELD Notes ►

\* **ALIAS** Notes

\* **DATA TYPE** String

\* WIDTH 250  
 \* PRECISION 0  
 \* SCALE 0

FIELD DESCRIPTION

Any notes/comments explaining why area was chosen or any other factors influencing decision to identify this polygon as being related to historical coal mining activities

DESCRIPTION SOURCE

Railroad Commission of Texas, Surface Mining and Reclamation Division

DESCRIPTION OF VALUES Notes or comments - variable text

[Hide Field Notes ▲](#)

FIELD **Map\_Label** ▶

ALIAS Map Label  
 \* DATA TYPE String  
 \* WIDTH 50  
 \* PRECISION 0  
 \* SCALE 0

FIELD DESCRIPTION

Usually comprised of the mine name, the Site ID or possibly the Site Number; otherwise, listed as Unnamed mine

DESCRIPTION SOURCE

Railroad Commission of Texas, Surface Mining and Reclamation Division

DESCRIPTION OF VALUES Mine name, Site ID, or Site Number - variable text

[Hide Field Map\\_Label ▲](#)

[Hide Details for object TX\\_Hist\\_CoalAreas ▲](#)

[Hide Fields ▲](#)

## 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 2014-01-13

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0  
 STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2013-08-22 15:37:31  
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2014-01-13 16:00:34

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
 LAST UPDATE 2014-01-13 16:00:34

[Hide Metadata Details ▲](#)

## Metadata Contacts ►

### METADATA CONTACT

INDIVIDUAL'S NAME Jon Brandt, P.G.

ORGANIZATION'S NAME Railroad Commission of Texas, Surface Mining and Reclamation Division, Abandoned Mine Land Program

CONTACT'S POSITION Geoscientist

CONTACT'S ROLE originator

### CONTACT INFORMATION ►

#### PHONE

VOICE 512-463-7313

FAX 512-463-6709

#### ADDRESS

TYPE physical

DELIVERY POINT Railroad Commission of Texas, Surface Mining and Reclamation Division, 1701 North Congress Avenue

CITY Austin

ADMINISTRATIVE AREA TX

POSTAL CODE 78701

COUNTRY US

E-MAIL ADDRESS [jon.brandt@rrc.state.tx.us](mailto:jon.brandt@rrc.state.tx.us)

HOURS OF SERVICE 8:00 - 17:00, M-F

#### CONTACT INSTRUCTIONS

If unable to reach Jon Brandt, please ask for Mark Rhodes, AML Program Manager, or John Caudle, P.E., Division Director

[Hide Contact information ▲](#)[Hide Metadata Contacts ▲](#)

## Metadata Maintenance ►

### MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Metadata Maintenance ▲](#)

## Thumbnail and Enclosures ►

### THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

## FGDC Metadata (read-only) ▼