

**TCEQ Stream Segments**

![Map of Texas showing stream segments](image)

**Tags**
Freshwater Stream, Tidal Stream, Classified, Unclassified

**Summary**

General purpose use; to support agency-wide policy decisions regarding surface water quality in the State of Texas. Due to the various scales inherent from using multiple sources in the creation of this dataset, this layer should not be used for making important decisions at scales greater than 1:250,000.

**Description**

This layer depicts the official TCEQ Line Segments for the State of Texas as listed in Title 30, Chapter 307 of the Texas Administrative Code (TAC), also known as the Texas Surface Water Quality Standards. These are freshwater and tidal streams that have been individually defined by the TCEQ and assigned unique identification numbers. Intended to have relatively homogeneous chemical, physical, and hydrological characteristics, a segment provides a basic unit for assigning site-specific standards and for applying water quality management programs of the agency.

Both "classified" and "unclassified" segments have been included in this layer. Classified segments, also referred to as designated segments, refer to water bodies that are protected by site-specific criteria. The classified segments are listed and described in Appendix A and C of Chapter 307.10. The site-specific uses and criteria are described in Appendix A. Classified waters include most rivers and their major tributaries, major reservoirs, and estuaries. Unclassified waters are those smaller water bodies that do not have site-specific water quality standards assigned to them, but instead are protected by general standards that apply to all surface waters in the state.

This layer also identifies which segments and water bodies have been assessed in the 2014 Texas Integrated Report for Clean Water Act Sections 305 (b) and 303 (d).
An impaired segment is a water body included in Categories 4 and 5. Category 4 includes impairments that are not suitable for a TMDL or for which a TMDL has already been approved. Category 5 includes impairments which may be suitable for development of a TMDL and comprise the 303 (d) List.

Credits
TCEQ Surface Water Quality Monitoring Program

Use limitations
There are no access and use limitations for this item.

Extent
West  -106.629856  East  -93.507927
North  36.492149  South  25.837157

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

ArcGIS Metadata ➤

Topics and Keywords ➤

* CONTENT TYPE  Downloadable Data

Hide Topics and Keywords ▲

Citation ➤

TITLE  TCEQ Stream Segments (Public)
CREATION DATE  2015-11-19  00:00:00
PUBLICATION DATE  2016-03-22  00:00:00

PRESENTATION FORMATS  *digital map
FGDC GEOSPATIAL PRESENTATION FORMAT  map

Hide Citation ▲

Citation Contacts ➤

RESPONSIBLE PARTY
INDIVIDUAL’S NAME  Pat Bohannon
ORGANIZATION’S NAME  TCEQ SWQM
CONTACT’S POSITION  Aquatic Scientist
CONTACT’S ROLE  originator

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  TYPE   postal
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Hide Contact information ▲

RESPONSIBLE PARTY
  INDIVIDUAL'S NAME   Daniele Baker
  ORGANIZATION'S NAME   TCEQ SWQM
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  CONTACT'S ROLE   point of contact

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Hide Contact information ▲

Hide Citation Contacts ▲

Resource Details ▶

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

STATUS   completed
SPATIAL REPRESENTATION TYPE   * vector

* PROCESSING ENVIRONMENT   Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.4.1.5686

CREDITS
  TCEQ Surface Water Quality Monitoring Program

ARCGIS ITEM PROPERTIES
  * NAME   SW_ADM.TCEQ_SW_SEG_LINE_PUBLIC
  * LOCATION   Server=tceq4aprorgep1.tceq.state.tx.us; Service=5152; User=sw_adm;
                Version=SDE.DEFAULT
  * ACCESS PROTOCOL   ArcSDE Connection

Hide Resource Details ▲
Extents

EXTENT
DESCRIPTION
2016-03-22 00:00:00

GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -106.629856
* EAST LONGITUDE -93.507927
* NORTH LATITUDE 36.492149
* SOUTH LATITUDE 25.837157
* EXTENT CONTAINS THE RESOURCE Yes

TEMPORAL EXTENT
DATE AND TIME 2016-03-22 00:00:00

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE -106.629856
* EAST LONGITUDE -93.507927
* SOUTH LATITUDE 25.837157
* NORTH LATITUDE 36.492149
* EXTENT CONTAINS THE RESOURCE Yes

Hide Extents

Resource Maintenance

RESOURCE MAINTENANCE
UPDATE FREQUENCY as needed

Hide Resource Maintenance

Spatial Reference

ARCGIS COORDINATE SYSTEM
* TYPE Geographic
* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
* COORDINATE REFERENCE DETAILS
GEOGRAPHIC COORDINATE SYSTEM
WELL-KNOWN IDENTIFIER 4269
X ORIGIN -400
Y ORIGIN -400
XY SCALE 999999999.99999988
Z ORIGIN 0
Z SCALE 1
M ORIGIN 0
M SCALE 1
XY TOLERANCE 8.98315284119521e-009
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LEFT LONGITUDE -180
LATEST WELL-KNOWN IDENTIFIER 4269

file://C:/Users/GSmithha/AppData/Local/Temp/arcEDA9/tmp30E9.tmp.htm
["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY["EPSG",4269]]

REFERENCE SYSTEM IDENTIFIER
* VALUE 4269
* CODESPACE EPSG
* VERSION 6.12(3.0.1)

Hide Spatial Reference ▲

Spatial Data Properties ➤

VECTOR ➤
* LEVEL OF TOPOLOGY FOR THIS DATASET  geometry only

GEOMETRIC OBJECTS
FEATURE CLASS NAME  SW_ADM_TCEQ_SW_SEG_LINE_PUBLIC
* OBJECT TYPE  composite
* OBJECT COUNT  1118

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ➤
FEATURE CLASS NAME  SW_ADM_TCEQ_SW_SEG_LINE_PUBLIC
* FEATURE TYPE  Simple
* GEOMETRY TYPE  Polyline
* HAS TOPOLOGY  FALSE
* FEATURE COUNT  1118
* SPATIAL INDEX  TRUE
* LINEAR REFERENCING  FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Geoprocessing history ➤

PROCESS
PROCESS NAME
DATE  2016-02-05 15:30:58
TOOL LOCATION  c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools\CalculateField
COMMAND ISSUED  CalculateField SW_ADM_TCEQ_SW_SEG_LINE_PUBLIC FIRST_IR_YEAR "2016" VB # INCLUDE IN LINEAGE WHEN EXPORTING METADATA  No

Hide Geoprocessing history ▲

Distribution ➤

DISTRIBUTION FORMAT
* NAME  SDE Feature Class
VERSION  None

Hide Distribution ▲
Fields

Details for object SW_ADM.TCEQ_SW_SEG_LINE_PUBLIC

- **Type**: Feature Class
- **Row Count**: 1118

**Definition**
TCEQ LINE segment feature class from EPA-approved 2014 Integrated Report

**Definition Source**
Orginator

**Field OBJECTID**

- **Alias**: OBJECTID
- **Data Type**: OID
- **Width**: 4
- **Precision**: 10
- **Scale**: 0

**Field Description**
Internal feature number.

**Description Source**
Esri

**Description of Values**
Sequential unique whole numbers that are automatically generated.

**Measurement Frequency**
as needed

Hide Field OBJECTID

**Field SEG_ID**

- **Alias**: SEG_ID
- **Data Type**: String
- **Width**: 255
- **Precision**: 0
- **Scale**: 0

**Field Description**
A unique 4 to 6 digit identification number as it appears in the Texas Surface Water Quality Standards or Guidance for Assessing and Reporting Surface Water Quality in Texas. The first two digits indicate the river basin within which the segment can be found. SEG-IDs with a letter suffix indicate that the segment is unclassified.

**Description Source**
TCEQ SWQM

**Measurement Frequency**
as needed

Hide Field SEG_ID

**Field BASIN_ID**
**FIELD BASIN_ID**

* ALIAS   BASIN_ID  
* DATA TYPE Double  
* WIDTH   8  
* PRECISION 38  
* SCALE   8  

**FIELD DESCRIPTION**

A unique 2 digit identification number as it appears in the Texas Surface Water Quality Standards.

**DESCRIPTION SOURCE**

TCEQ SWQM

**MEASUREMENT FREQUENCY** as needed

Hide Field BASIN_ID ▲

**FIELD BASIN_NAME**

* ALIAS   BASIN_NAME  
* DATA TYPE String  
* WIDTH   255  
* PRECISION 0  
* SCALE   0  

**FIELD DESCRIPTION**

A unique river basin name as it appears in the Texas Surface Water Quality Standards.

**DESCRIPTION SOURCE**

TCEQ SWQM

**MEASUREMENT FREQUENCY** as needed

Hide Field BASIN_NAME ▲

**FIELD SEG_NAME**

* ALIAS   SEG_NAME  
* DATA TYPE String  
* WIDTH   255  
* PRECISION 0  
* SCALE   0  

**FIELD DESCRIPTION**

The name of the water body associated with a SEG_ID.

**DESCRIPTION SOURCE**

TCEQ SWQM

**MEASUREMENT FREQUENCY** as needed

Hide Field SEG_NAME ▲

**FIELD SEG_CLASS**

* ALIAS   SEG_CLASS  
* DATA TYPE String  
* WIDTH   255  
* PRECISION 0  
* SCALE   0  

**FIELD DESCRIPTION**
Classified segments are defined in the Texas Surface Water Quality Standards. Unclassified segments are not defined in the Texas Surface Water Quality Standards.

**DESCRIPTION SOURCE**
TCEQ SWQM

**MEASUREMENT FREQUENCY**
as needed

**FIELD SEG_TYPE**
* ALIAS SEG_TYPE
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

**FIELD DESCRIPTION**
LINE layers are composed of Freshwater Stream and Tidal Stream.

**DESCRIPTION SOURCE**
TCEQ SWQM

**MEASUREMENT FREQUENCY**
as needed

**FIELD SIZE_**
* ALIAS SIZE_
* DATA TYPE Double
* WIDTH 8
* PRECISION 38
* SCALE 8

**FIELD DESCRIPTION**
The number of units as indicated in SIZE_UNIT

**DESCRIPTION SOURCE**
TCEQ SWQM

**MEASUREMENT FREQUENCY**
as needed

**FIELD SIZE_UNIT**
* ALIAS SIZE_UNIT
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

**FIELD DESCRIPTION**
LINE features are measured in miles.

**DESCRIPTION SOURCE**
TCEQ SWQM

**MEASUREMENT FREQUENCY**
as needed
FIELD SEG_DESCRIPTION ➤
  * ALIAS SEG_DESCRIPTION
  * DATA TYPE String
  * WIDTH 350
  * PRECISION 0
  * SCALE 0
FIELD DESCRIPTION
  The name of the water body associated with a SEG_NAME.

DESCRIPTION SOURCE
  TCEQ SWQM

MEASUREMENT FREQUENCY as needed

Hide Field SEG_DESCRIPTION ▲

FIELD IR_YEAR ➤
  * ALIAS IR_YEAR
  * DATA TYPE Double
  * WIDTH 8
  * PRECISION 38
  * SCALE 4
FIELD DESCRIPTION
  The Integrated Report year for which the feature class is associated.

DESCRIPTION SOURCE
  TCEQ SWQM

MEASUREMENT FREQUENCY as needed

Hide Field IR_YEAR ▲

FIELD RETIRED_IND ➤
  * ALIAS RETIRED_IND
  * DATA TYPE String
  * WIDTH 1
  * PRECISION 0
  * SCALE 0
FIELD DESCRIPTION
  Indicated Yes (Y) or No (N), that the segment has been retired from use.

DESCRIPTION SOURCE
  TCEQ SWQM

MEASUREMENT FREQUENCY as needed

Hide Field RETIRED_IND ▲

FIELD RETIRED_COMMENTS_TXT ➤
  * ALIAS RETIRED_COMMENTS_TXT
  * DATA TYPE String
  * WIDTH 500
  * PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Details related to retired segments.

DESCRIPTION SOURCE
TCEQ SWQM

MEASUREMENT FREQUENCY as needed

Hide Field RETIRED_COMMENTS_TXT ▲

FIELD IMP_AQUATIC_LIFE ►
* ALIAS IMP_AQUATIC_LIFE
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Indicated Yes (Y) or No (N) if the segment is impaired for the Designated Use.

DESCRIPTION SOURCE
TCEQ SWQM

MEASUREMENT FREQUENCY as needed

Hide Field IMP_AQUATIC_LIFE ▲

FIELD IMP_CONTACT_REC ►
* ALIAS IMP_CONTACT_REC
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Indicated Yes (Y) or No (N) if the segment is impaired for the Designated Use.

DESCRIPTION SOURCE
TCEQ SWQM

MEASUREMENT FREQUENCY as needed

Hide Field IMP_CONTACT_REC ▲

FIELD IMPGENERAL ►
* ALIAS IMPGENERAL
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Indicated Yes (Y) or No (N) if the segment is impaired for the Designated Use.

DESCRIPTION SOURCE
TCEQ SWQM

MEASUREMENT FREQUENCY as needed
FIELD IMP_FISH_CONSUMPTION ▶

* ALIAS   IMP_FISH_CONSUMPTION
* DATA TYPE  String
* WIDTH  255
* PRECISION  0
* SCALE  0
FIELD DESCRIPTION
Indicated Yes (Y) or No (N) if the segment is impaired for the Designated Use.

DESCRIPTION SOURCE
TCEQ SWQM

MEASUREMENT FREQUENCY  unknown

FIELD IMP_PWS ▶

* ALIAS   IMP_PWS
* DATA TYPE  String
* WIDTH  255
* PRECISION  0
* SCALE  0
FIELD DESCRIPTION
Indicated Yes (Y) or No (N) if the segment is impaired for the Designated Use.

DESCRIPTION SOURCE
TCEQ SWQM

MEASUREMENT FREQUENCY  as needed

FIELD IMP_OYSTER_WATERS ▶

* ALIAS   IMP_OYSTER_WATERS
* DATA TYPE  String
* WIDTH  255
* PRECISION  0
* SCALE  0
FIELD DESCRIPTION
Indicated Yes (Y) or No (N) if the segment is impaired for the Designated Use.

DESCRIPTION SOURCE
TCEQ SWQM

MEASUREMENT FREQUENCY  as needed

FIELD IMP_REC_BEACHES ▶

* ALIAS   IMP_REC_BEACHES
* DATA TYPE  String
* WIDTH  255
* PRECISION  0
* SCALE  0
FIELD DESCRIPTION
  Indicated Yes (Y) or No (N) if the segment is impaired for the Designated Use.

DESCRIPTION SOURCE
  TCEQ SWQM

MEASUREMENT FREQUENCY  as needed

Hide Field IMP_REC_BECHES ▲

FIELD IMPAIRED ▶
* ALIAS  IMPAIRED
* DATA TYPE  String
* WIDTH  255
* PRECISION  0
* SCALE  0
FIELD DESCRIPTION
  Indicated Yes (Y) or No (N) if the segment is impaired for any Designated Use.

DESCRIPTION SOURCE
  TCEQ SWQM

MEASUREMENT FREQUENCY  as needed

Hide Field IMPAIRED ▲

FIELD FIRST_IR_YEAR ▶
* ALIAS  FIRST_IR_YEAR
* DATA TYPE  String
* WIDTH  4
* PRECISION  0
* SCALE  0
FIELD DESCRIPTION
  Placeholder for first Integrated Report year the segment was included. (For use in a TCEQ internal process)

DESCRIPTION SOURCE
  TCEQ SWQM

MEASUREMENT FREQUENCY  as needed

Hide Field FIRST_IR_YEAR ▲

FIELD SHAPE ▶
* ALIAS  SHAPE
* DATA TYPE  Geometry
* WIDTH  4
* PRECISION  0
* SCALE  0
* FIELD DESCRIPTION
  Feature geometry.

* DESCRIPTION SOURCE
  Esri
* DESCRIPTION OF VALUES
  Coordinates defining the features.

Hide Field SHAPE ▲

FIELD SHAPE.LEN ▶
* ALIAS SHAPE.LEN
* DATA TYPE Double
* WIDTH 0
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
  Feature geometry

DESCRIPTION SOURCE
  ESRI

Hide Field SHAPE.LEN ▲

Hide Details for object SW_ADM.TCEQ_SW_SEG_LINE_PUBLIC ▲

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 2016-12-07

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 2016-02-26 18:19:41
LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-12-07 13:46:54

AUTOMATIC UPDATES
  HAVE BEEN PERFORMED Yes
  LAST UPDATE 2016-12-07 13:46:14

Hide Metadata Details ▲

Metadata Contacts ▶

METADATA CONTACT
  INDIVIDUAL’S NAME Daniele Baker
ORGANIZATION'S NAME  TCEQ SWQM
CONTACT'S POSITION  Hydrologist
CONTACT'S ROLE  point of contact

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Hide Contact information ▲

METADATA CONTACT
INDIVIDUAL'S NAME  Pat Bohannon
ORGANIZATION'S NAME  TCEQ SWQM
CONTACT'S POSITION  Aquatic Scientist
CONTACT'S ROLE  point of contact

CONTACT INFORMATION ▶
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POSTAL CODE  78711-3087
COUNTRY  US
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Hide Contact information ▲

Hide Metadata Contacts ▲

Thumbnail and Enclosures ▶
THUMBNAIL
THUMBNAIL TYPE  JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼