



Spatial Data Changes Since 2022 IR

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Surface Water Quality Assessment Advisory Workgroup Meeting

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Attribute Fields in the Segment and Assessment Unit (AU) Layers

Segment Layer

SEG_ID
BASIN_ID
BASIN_NAME
SEG_NAME
SEG_CLASS
SEG_TYPE
SIZE_
SIZE_UNIT
SEG_DESCRIPTION
IR_YEAR
RETIRED_IND
RETIRED_COMMENTS_TXT
IMP_AQUATIC_LIFE
IMP_GENERAL
IMP_FISH_CONSUMPTION
IMP_PWS
IMP_OYSTER_WATERS
IMP_REC_BEACHES
IMPAIRED
FIRST_IR_YEAR

AU Layer

AU_ID
SEG_ID
BASIN_ID
BASIN_NAME
SEG_NAME
SEG_CLASS
SEG_TYPE
SIZE_UNIT
SEG_DESCRIPTION
AU_SIZE
AU_LOCATION_DESCRIPTION
AU_TYPE
AU_STREAM_FLOW_TYPE
AU_STREAM_FLOW_TYPE_SOURCE
AU_STREAM_FLOW_TYPE_NOTES
AU_DESCRIPTION_SOURCE
ALU_DESIGNATION
ALU_DESIGNATION_SOURCE
AU_FISHERY_TYPE
APPENDIX_D_FLG
APPENDIX_E_FLG
TABLE_5_FLG
AU_NOTES
AU_BED_SLOPE
AU_STREAM_ORDER
AU_STREAM_ORDER_NOTES
AU_BOUNDARY_CHANGE
PREVIOUS_AU_ID
IR_YEAR
RETIRED_IND
RETIRED_COMMENTS_TXT
IMP_AQUATIC_LIFE
IMP_CONTACT_REC
IMP_GENERAL
IMP_FISH_CONSUMPTION
IMP_PWS
IMP_OYSTER_WATERS
IMP_REC_BEACHES
IMPAIRED
FIRST_IR_YEAR

How are Segment and AU spatial data used?

- Integrated Report
 - Various summary reports
 - SAS Assessment Tool
- Data Viewers
 - SWQM Segment Viewer
 - SWQMIS Data Viewer
 - Coordinated Monitoring Schedule
- Map Creation
 - Presentations
- TCEQ Internal Staff
 - Other program areas
 - Agency website
- External Entities
 - River Authorities
 - Other State Agencies
 - EPA's ATTAINS Database

Coordinated Monitoring Schedule

River Basin: All  

FY: 2023

Description (key word) Station
 Region Segment Submitting Entity

Site Description	Station ID	Waterbody ID	Region	SE	CE	MT	24 hr DO	AqHab	Benthics	Nekton	Metal Water	Organic Water
Segment 101 Canadian River Below Lake Meredith Map												
CANADIAN RIVER BRIDGE AT US 60-83 AT CANADIAN Map	10032	0101	1	GS	GS	RT						
CANADIAN RIVER BRIDGE AT US 60-83 AT CANADIAN Map	10032	0101	1	RR	RR	RT						
CANADIAN RIVER BRIDGE ON SH 70 NORTH OF PAMPA Map	10033	0101	1	RR	RR	RT						
CANADIAN RIVER APPROX 0.6 MI UPSTREAM FROM FM 2277 BRIDGE Map	10035	0101	1	WC	FO	RT					4	
CANADIAN RIVER APPROXIMATELY 3.2 KM DOWNSTREAM OF FM2277 PLEMONS RD BRIDGE NORTHEAST OF BORGER Map	20702	0101	1	WC	FO	RT						
DIXON CREEK 150 M UPSTREAM OF HUTCHINSON COUNTY ROAD V UPSTREAM OF CANADIAN RIVER CONFLUENCE NE OF BORGER Map	10016	0101A	1	RR	RR	RT	2					
DIXON CREEK 150 M UPSTREAM OF HUTCHINSON COUNTY ROAD V UPSTREAM OF CANADIAN RIVER CONFLUENCE NE OF BORGER Map	10016	0101A	1	WC	FO	RT					2	
DIXON CREEK AT SH 152 WEST OF RR2174 EAST OF BORGER Map	17045	0101A	1	RR	RR	RT						

Reasons For Revisions To The GIS Layers

- EPA approval of Texas Surface Water Quality Standards (TSWQS)
- Creation of new or revisions of Segments and AUs
- Correct spatial or attribute errors
- Consistency with TMDLs or TSWQS
- Requested by data providers
- Hydromodification of Segments or AUs

PB_Master_Project - Map - ArcGIS Pro

Feature Layer

Project | Map | Insert | Analysis | View | Edit | Imagery | Share | Appearance | Labeling | Data

Global | Local | Map | Convert | Link Views | Reset Panes | Catalog Pane | Catalog View | Contents | Geoprocessing | Python Window | Tasks | Reviewer Rules | Workflow Manager | Aviation | Indoors

Create Thumbnail | Import Thumbnail | Add | Remove | Depth Priority | Drawing Mode | Mode: Automatic | Distance: 0.05 m | Navigator | Camera

View Clipping | Navigation

Contents

Search

Drawing Order

- Map
 - TCEQ SWQM Stations
 - SW_ADM.TCEQ_SW_AU_LINE_PUBLIC
 - SW_ADM.TCEQ_SW_SEG_LINE_PUBLIC
 - SW_ADM.TCEQ_SW_AU_LINE_WORKING_2022
 - SW_ADM.TCEQ_SW_SEG_LINE_WORKING_2022
 - SW_ADM.TCEQ_SW_AU_POLY_WORKING_2022
 - SW_ADM.TCEQ_SW_SEG_POLY_WORKING_2022
 - NHD Classified Flowline
 - MNET_TRANSPORTATION
 - GDB_ADM.TCEQ_DAMS_LINE_VW
 - GDB_ADM.TCEQ_OUTFALLS_WASTEWATER
 - _Texas_Imagery_Service
 - GDB_ADM.TWDB_RIVER_BASINS_VW
 - Railroad
 - GDB_ADM.USCB_URBAN_AREAS
 - GDB_ADM.TXDOT_COUNTIES

1:7,095 | 96.6874630°W 31.9570122°N | Selected Features: 2

SW_ADM.TCEQ_SW_SEG_LINE_PUBLIC

Field: Add | Calculate | Selection: Select By Attributes | Zoom To | Switch | Clear | Delete | Copy

1 of 1,210 selected | Filters: 100%

Spatial Revisions for the 2024 IR

- 4 New Segments
 - 3 to accommodate new data
 - 1202V – East Fork Mill Creek
 - 1202W – West Fork Mill Creek
 - 1202X – Sandy Creek
 - 1 split to create separate lake and stream portions
 - 1236B – Kirby Lake
- Stream Flow Type Changes
- Minor changes due to snipping errors
- Additional changes may be necessary into 2023