Online Ambient Air Monitoring Tools

GeoTAM & TAMIS

Ambient Air Monitoring Online Tools

GeoTAM

TCEQ's interactive mapping application for Texas ambient air quality monitoring locations

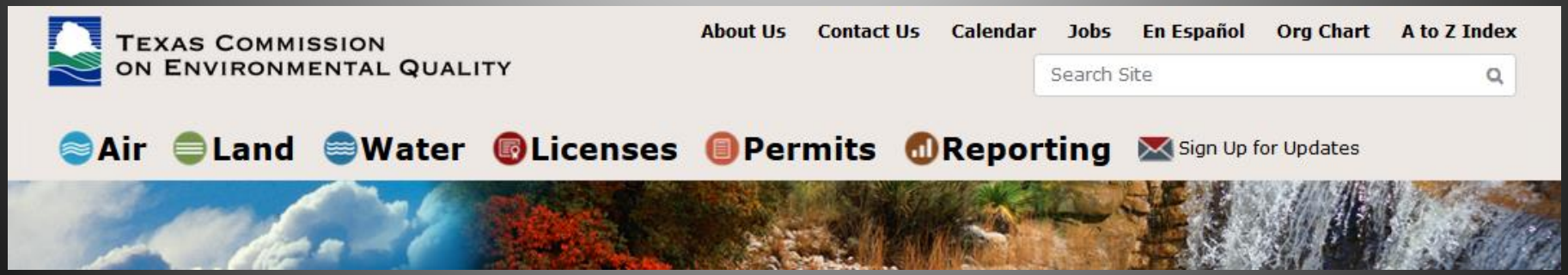
TAMIS Web

Generate and download predefined data reports

View site and monitor information

Access near real-time continuous and the most current validated non-continuous data

To get to either, first click the Air button at the top of the TCEQ homepage…



Ambient Air Monitoring Online Tools

…then scroll down to the bottom of the page.

Emissions and Reporting

- Sources of Air Pollution
- Texas Emissions Reduction Plan (TERP)
- Viewing Reports of Emission Events
- Point Source Air Emissions Inventory
- Air Upset or Maintenance Reporting Forms
- Emissions Banking and Trading

Monitoring, Modeling and Analysis

- Toxicological Evaluations of Air Monitoring Data
- Oil and Gas Activities
- Monitoring and Data Collection
  - Air Monitoring Site Information
  - Data Collected by Automated Gas Chromatographs (AutoGCs)
  - General Air Pollution and Meteorological Data
  - GeoTAM - Interactive geographical representation of air quality monitoring in Texas
  - Ozone Data and Current Levels
  - PM2.5 Data: Soot, Dust, Smoke (Fine Particulate Matter)
  - Texas Air Monitoring Information System (TAMIS) - Access valid non-continuous and continuous air monitoring data
- Air Quality Modeling
  - Air Modeling Data
  - Meteorological Modeling
  - Photochemical Modeling
  - Processing Air Pollution Emissions Data
  - Reproducing the Past and Predicting the Future
- Air Quality Research
  - Air Quality Research and Contract Projects
  - Remote Sensing VOC Project
- Special Studies on Air
  - Texas Air Quality Study (TexAQSII)
  - Tribal Environment eXchange network

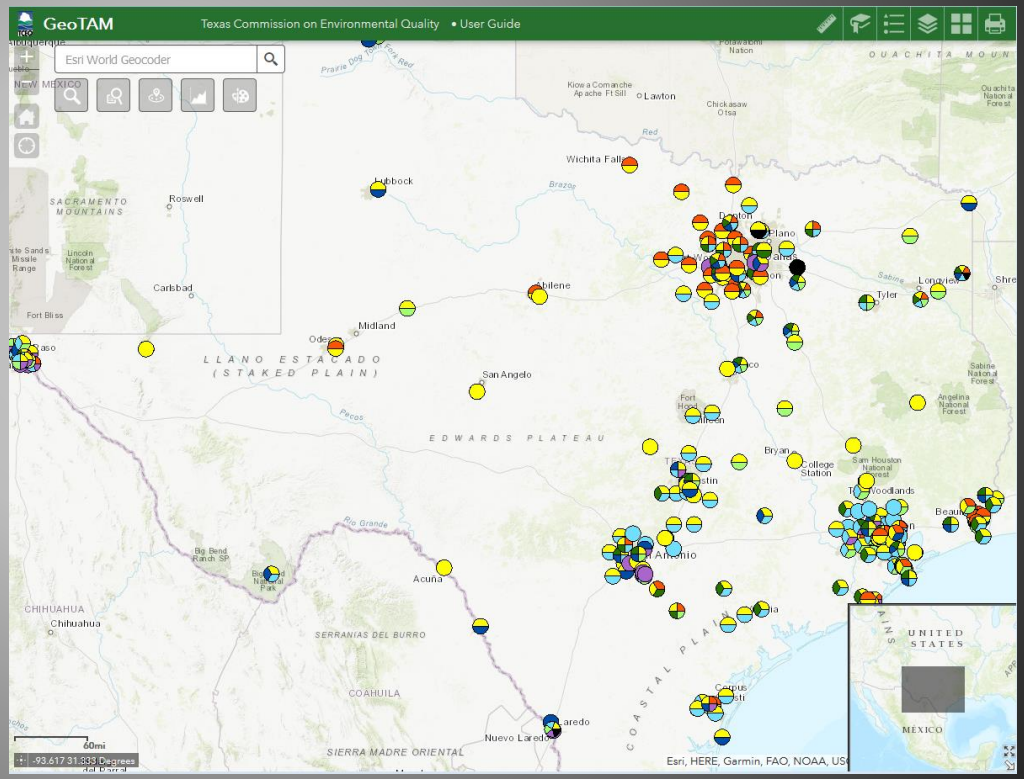
What is GeoTAM?

Geographic Information Systems + Texas Air Monitoring Information System

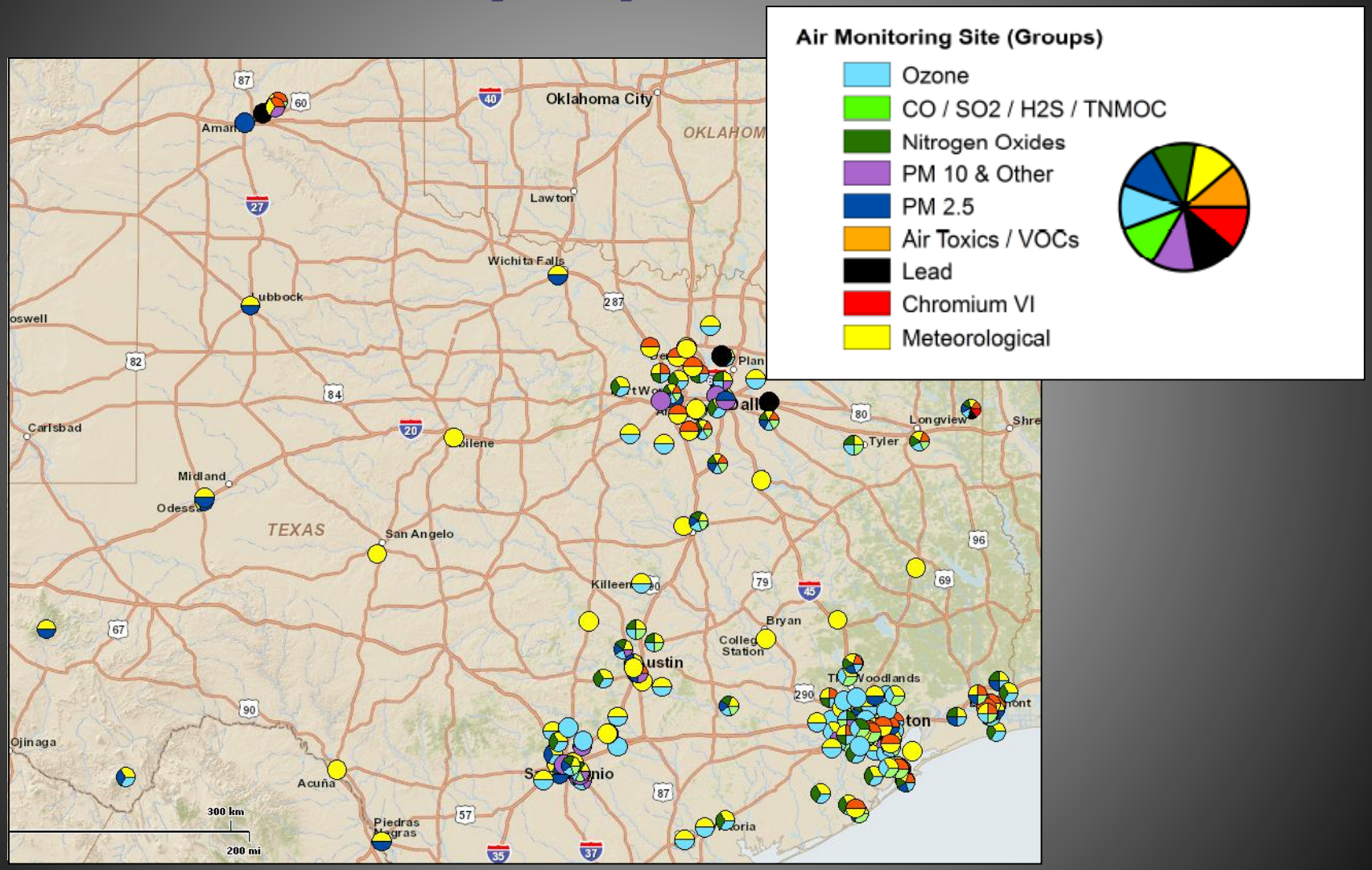
Perform spatial searches for ambient air monitoring sites from any coordinate or address

View detailed information about air monitoring sites

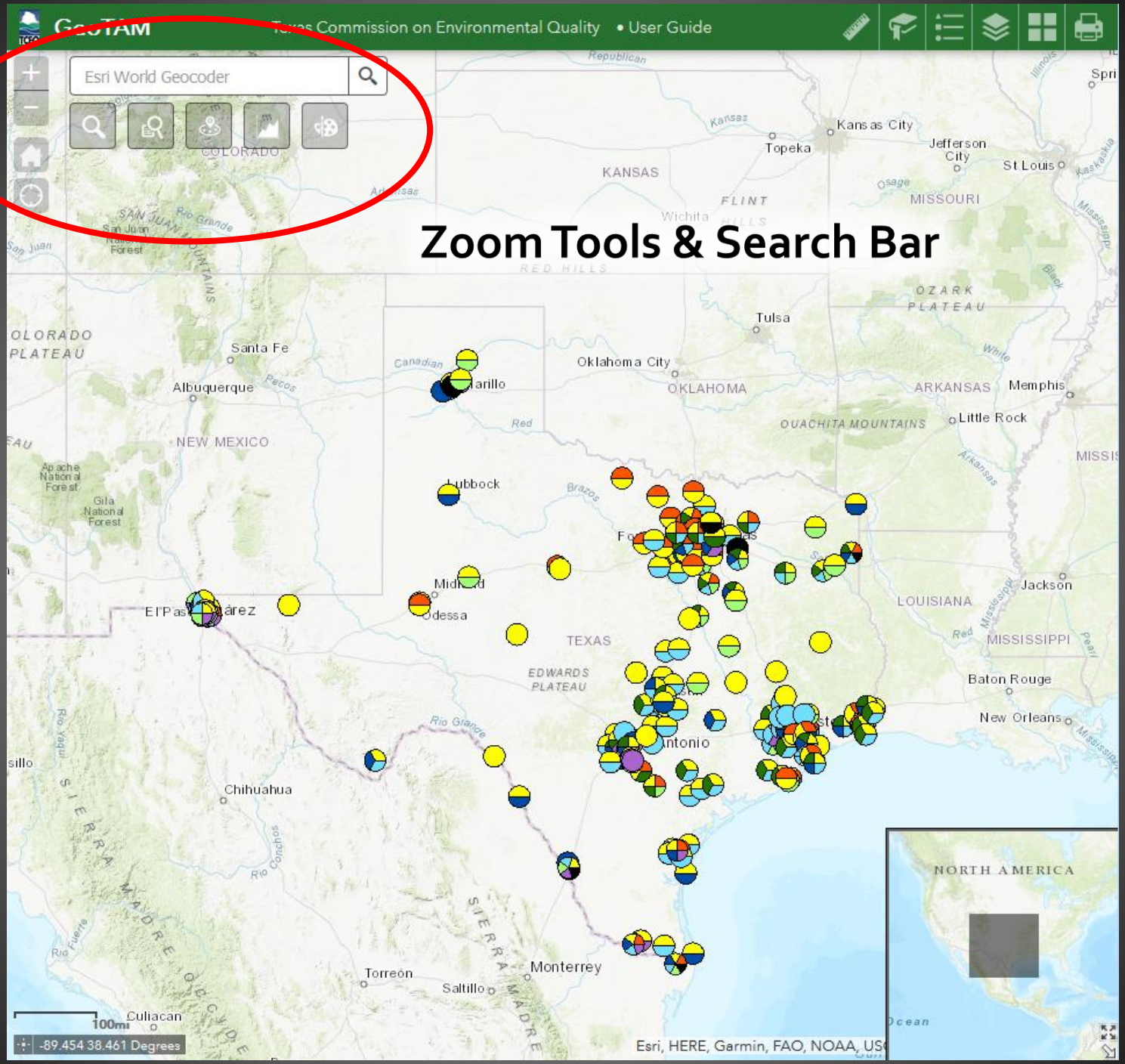
Use layers to view locations of schools, counties, legislative districts, and several other options



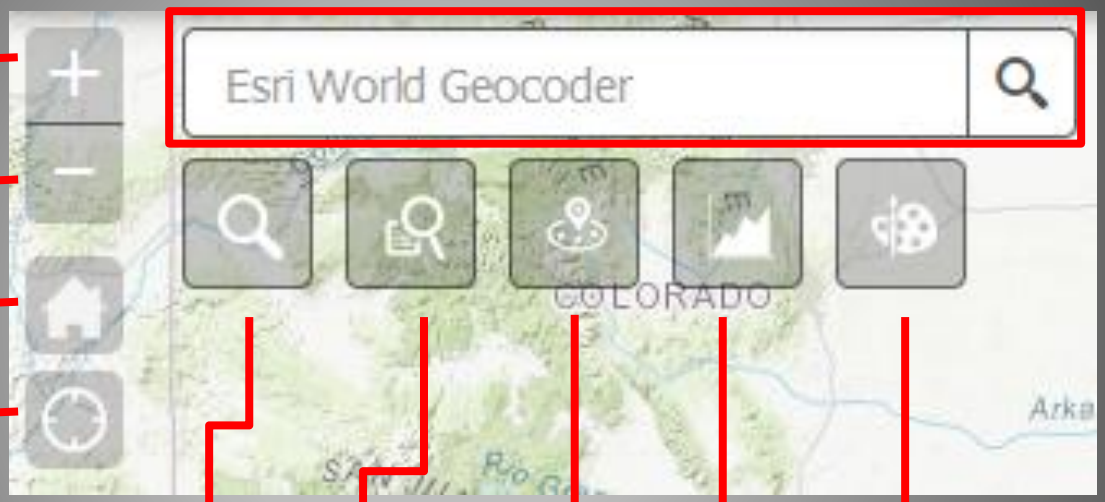
GeoTAM Display



The multi-colored circles represent the different types of samplers at each site.


GeoTAM
Texas Commission on Environmental Quality
• User Guide
Esri World Geocoder
Zoom Tools & Search Bar
KANSAS
Topeka
Kansas City
Jefferson City
St Louis
MISSOURI
FLINT
Wichita
RED HILLS
OZARK PLATEAU
Tulsa
Oklahoma City
OKLAHOMA
ARKANSAS
Memphis
Little Rock
OUACHITA MOUNTAINS
COLORADO PLATEAU
Santa Fe
Albuquerque
NEW MEXICO
Apache National Forest
Gila National Forest
Lubbock
Midland
Odessa
TEXAS
EDWARDS PLATEAU
LOUISIANA
Jackson
MISSISSIPPI
Baton Rouge
New Orleans
Chihuahua
SIERRA MADRE OCCIDENTAL
SIERRA MADRE
Torreón
Saltillo
Monterrey
Culiacan
100mi
-89.454 38.461 Degrees
Esri, HERE, Garmin, FAO, NOAA, US
NORTH AMERICA

Zoom Tools & Search Bar



Search Bar

Zoom In

Zoom Out

Home

My Location

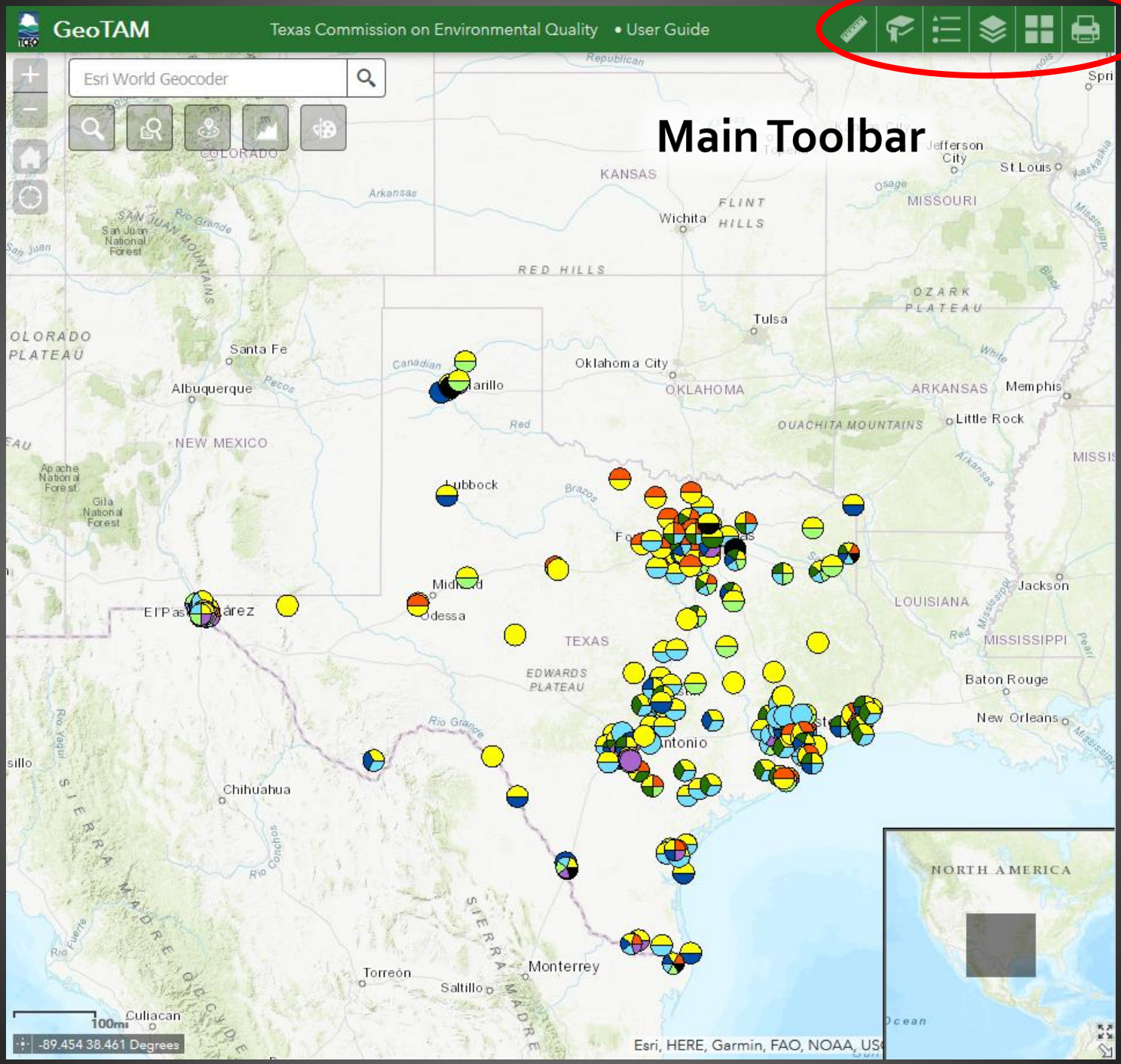
Layer Search

Select Sites by Area

Near Me (Buffer Query)

Sampler Chart

Draw


GeoTAM
Texas Commission on Environmental Quality • User Guide
Esri World Geocoder
Main Toolbar
COLORADO
KANSAS
Wichita
FLINT HILLS
MISSOURI
Jefferson City
St Louis
RED HILLS
OZARK PLATEAU
Tulsa
Oklahoma City
OKLAHOMA
ARKANSAS
Memphis
Little Rock
OUACHITA MOUNTAINS
COLORADO PLATEAU
Santa Fe
Albuquerque
NEW MEXICO
Lubbock
Midland
Odessa
El Paso
TEXAS
EDWARDS PLATEAU
LOUISIANA
Jackson
MISSISSIPPI
Baton Rouge
New Orleans
Chihuahua
Monterrey
Saltillo
Torreón
Culiacan
SIERRA MADRE OCCIDENTAL
SIERRA MADRE
NORTH AMERICA
100mi
-89.454 38.461 Degrees
Esri, HERE, Garmin, FAO, NOAA, USG

Main Toolbar

Measure Tool

Bookmark Tool

Legend

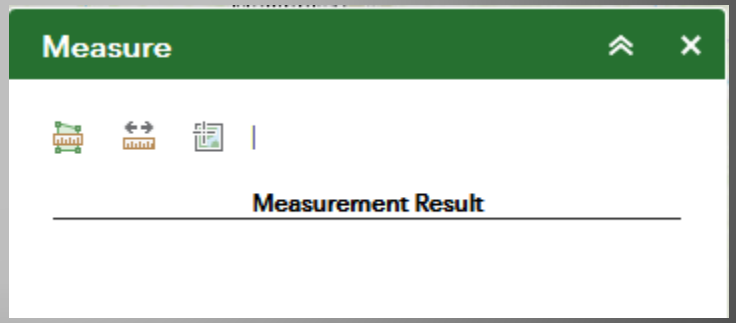
Layer List

Basemap Gallery

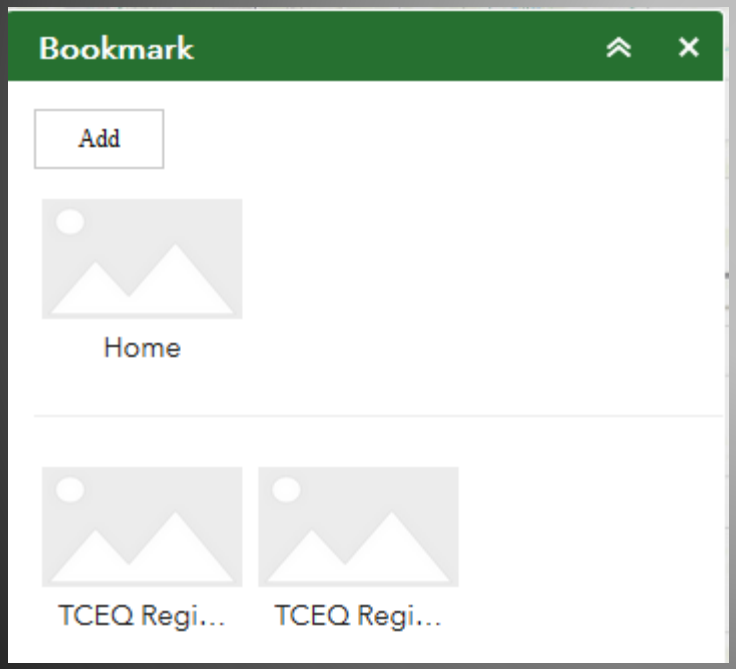
Print

Measure Tool

The Measure tool enables the user to measure point, linear, and area features on the map.

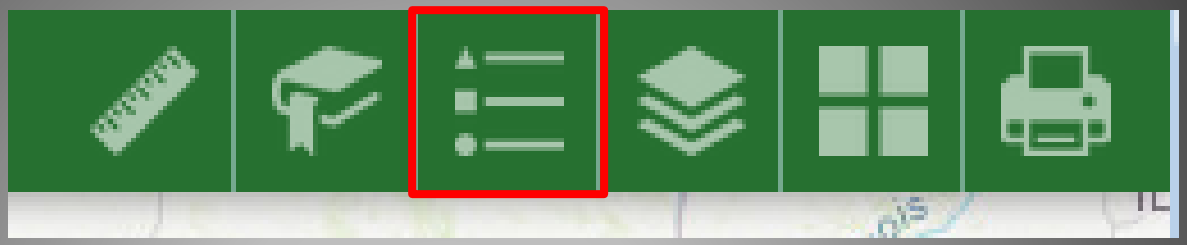


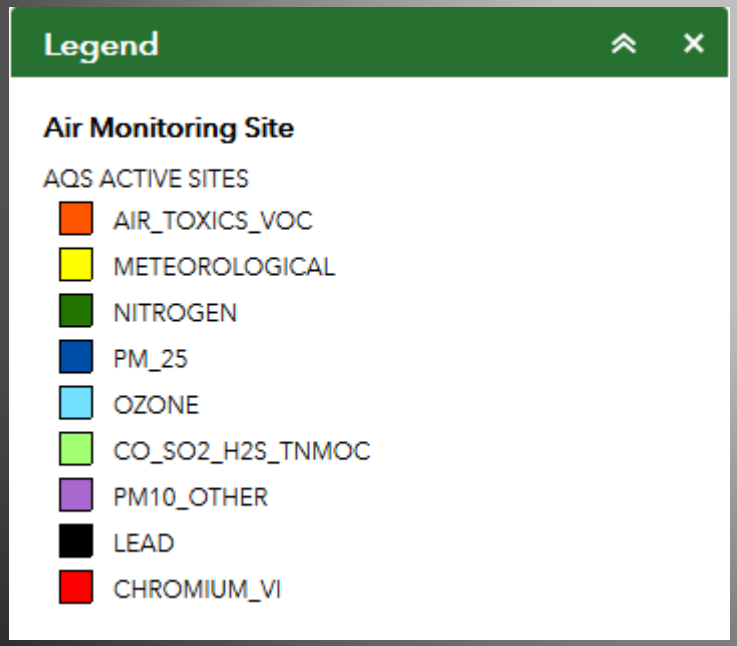
Bookmark Tool



You can use the Bookmark tool to save a particular map extent (or zoom area).

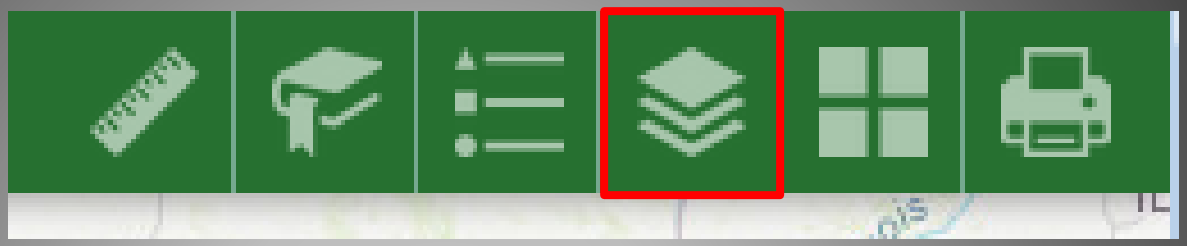
Legend

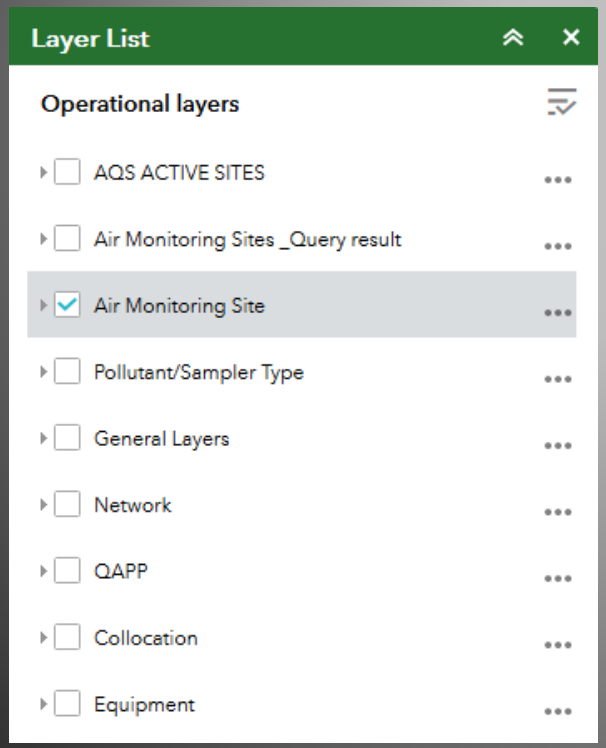




The Legend tool shows the symbology for the selected layers that you selected using the Layers tool.

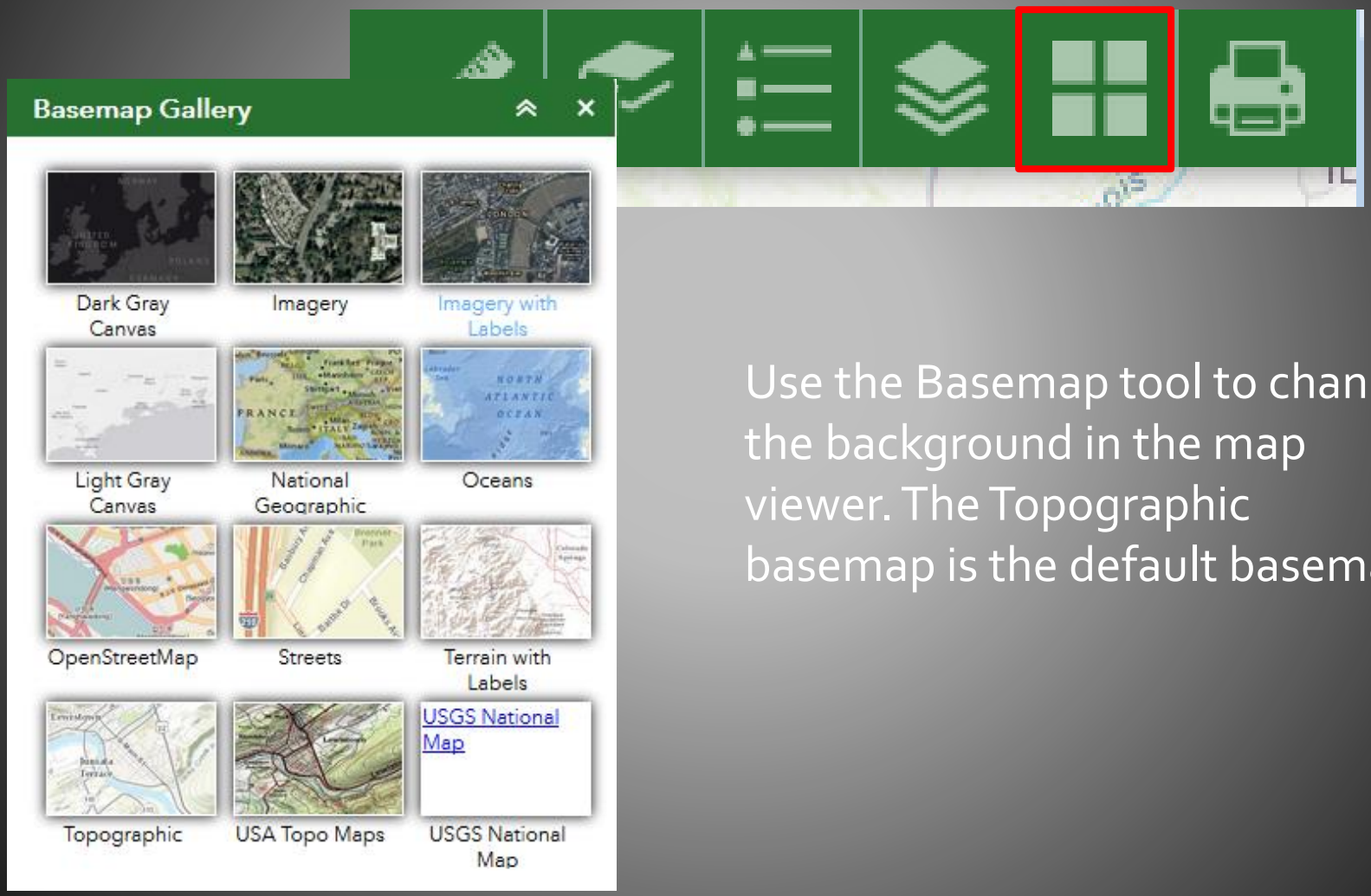
Layer List





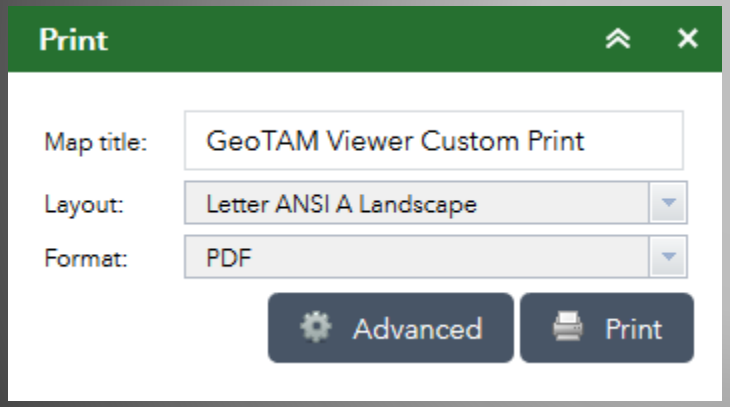
The Layer List can be used to turn on and off operational data layers such as Air Monitoring Sites, Pollutant Sampler Types, and General Layers.

Basemap Gallery

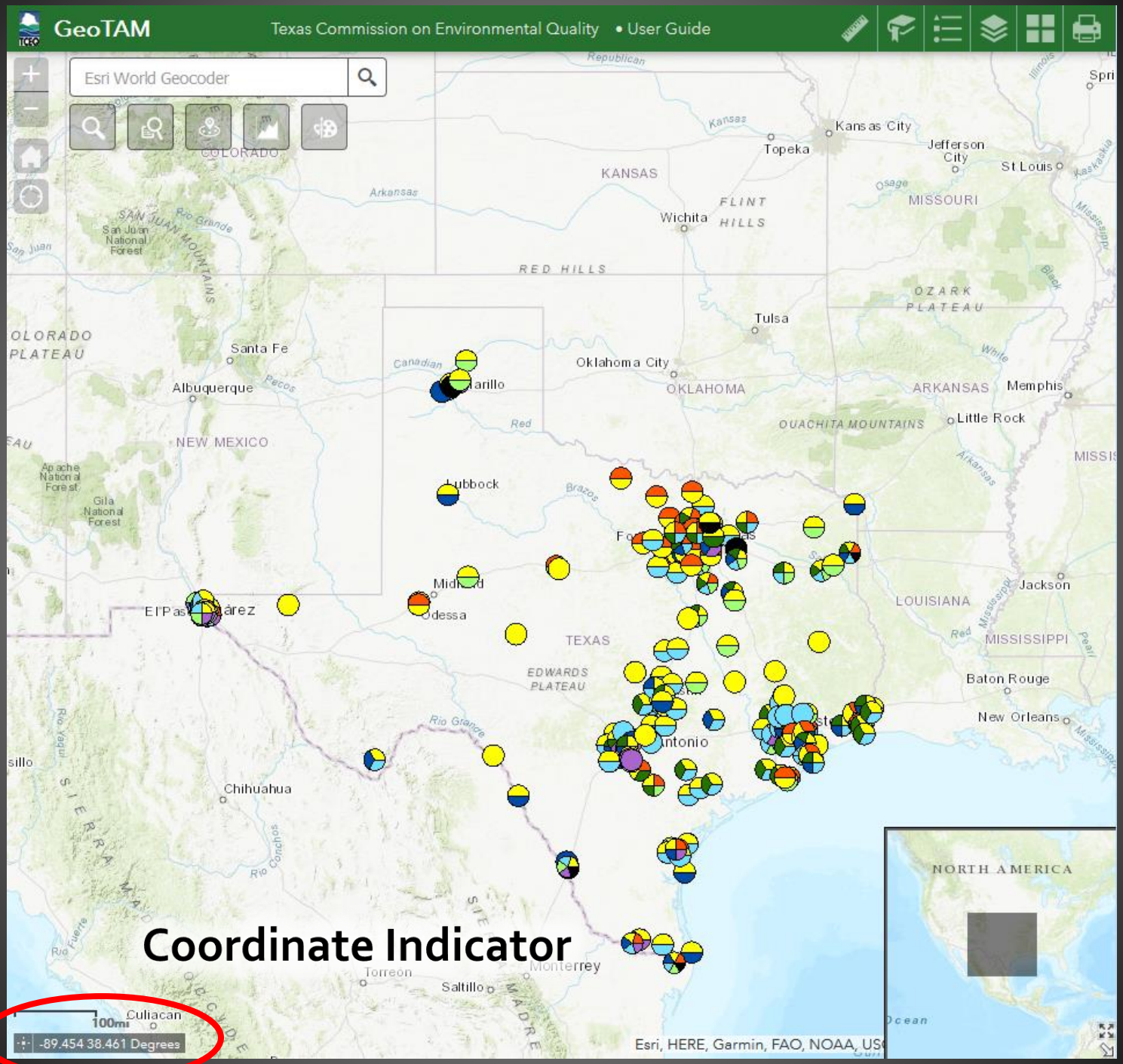


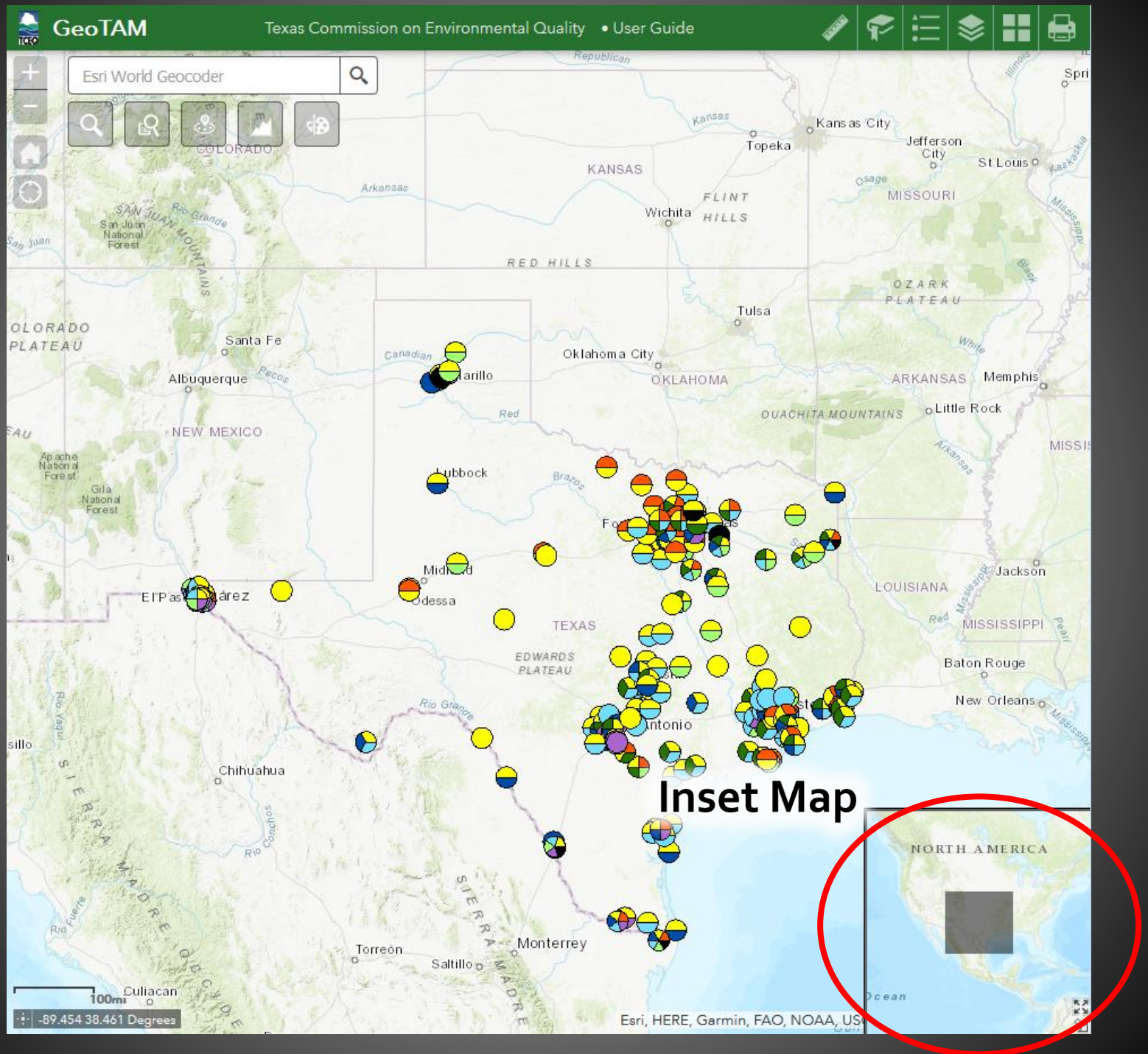
Use the Basemap tool to change the background in the map viewer. The Topographic basemap is the default basemap.

Print Tool

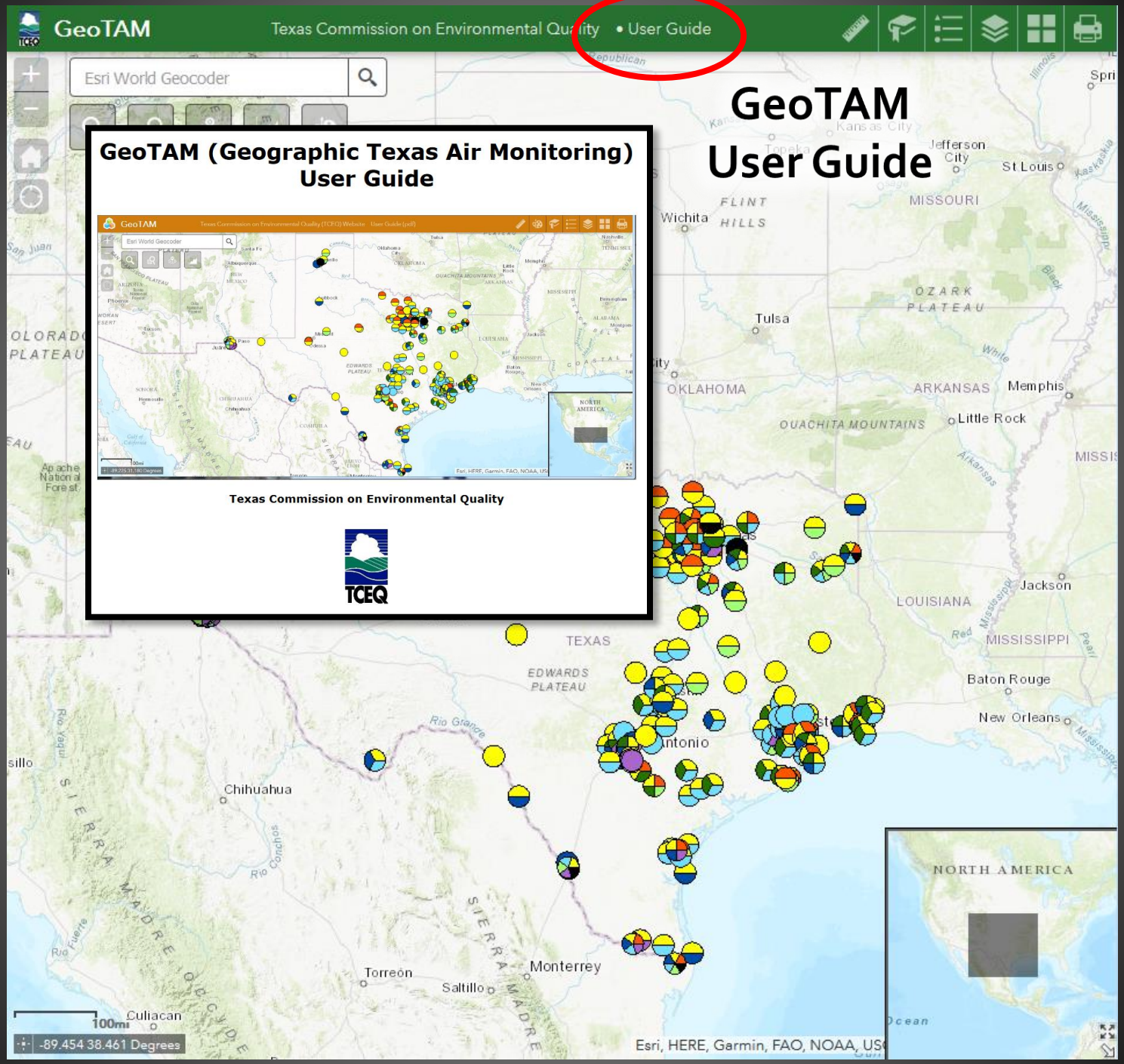


Use the Print tool to save the current map to an image file you customize.


GeoTAM
Texas Commission on Environmental Quality • User Guide
Esri World Geocoder
Kansas City
Topeka
Jefferson City
St Louis
KANSAS
MISSOURI
Wichita
FLINT HILLS
RED HILLS
OZARK PLATEAU
Tulsa
Oklahoma City
OKLAHOMA
ARKANSAS
Memphis
Little Rock
OUACHITA MOUNTAINS
Santa Fe
Albuquerque
NEW MEXICO
Amarillo
Lubbock
Midland
Odessa
El Paso
Juárez
TEXAS
EDWARDS PLATEAU
San Antonio
LOUISIANA
Jackson
MISSISSIPPI
Baton Rouge
New Orleans
Chihuahua
Monterrey
Saltillo
Torreon
Culiacan
NORTH AMERICA
Coordinate Indicator
-89.454 38.461 Degrees
Esri, HERE, Garmin, FAO, NOAA, USG


GeoTAM
Texas Commission on Environmental Quality • User Guide
Esri World Geocoder
Inset Map
NORTH AMERICA
KANSAS
Topeka
Kansas City
Jefferson City
St Louis
MISSOURI
Wichita
FLINT HILLS
RED HILLS
OZARK PLATEAU
Tulsa
Oklahoma City
OKLAHOMA
ARKANSAS
Memphis
Little Rock
OUACHITA MOUNTAINS
COLORADO
Santa Fe
Albuquerque
NEW MEXICO
Amarillo
Lubbock
Midland
Odessa
El Paso
Juárez
TEXAS
EDWARDS PLATEAU
San Antonio
Jackson
LOUISIANA
MISSISSIPPI
Baton Rouge
New Orleans
Chihuahua
Torreón
Saltillo
Monterrey
Culiacan
SIERRA MADRE OCCIDENTAL
SIERRA MADRE ORIENTAL
100mi
-89.454 38.461 Degrees
Esri, HERE, Garmin, FAO, NOAA, USGS

GeoTAM User Guide



Texas Air Monitoring Information System

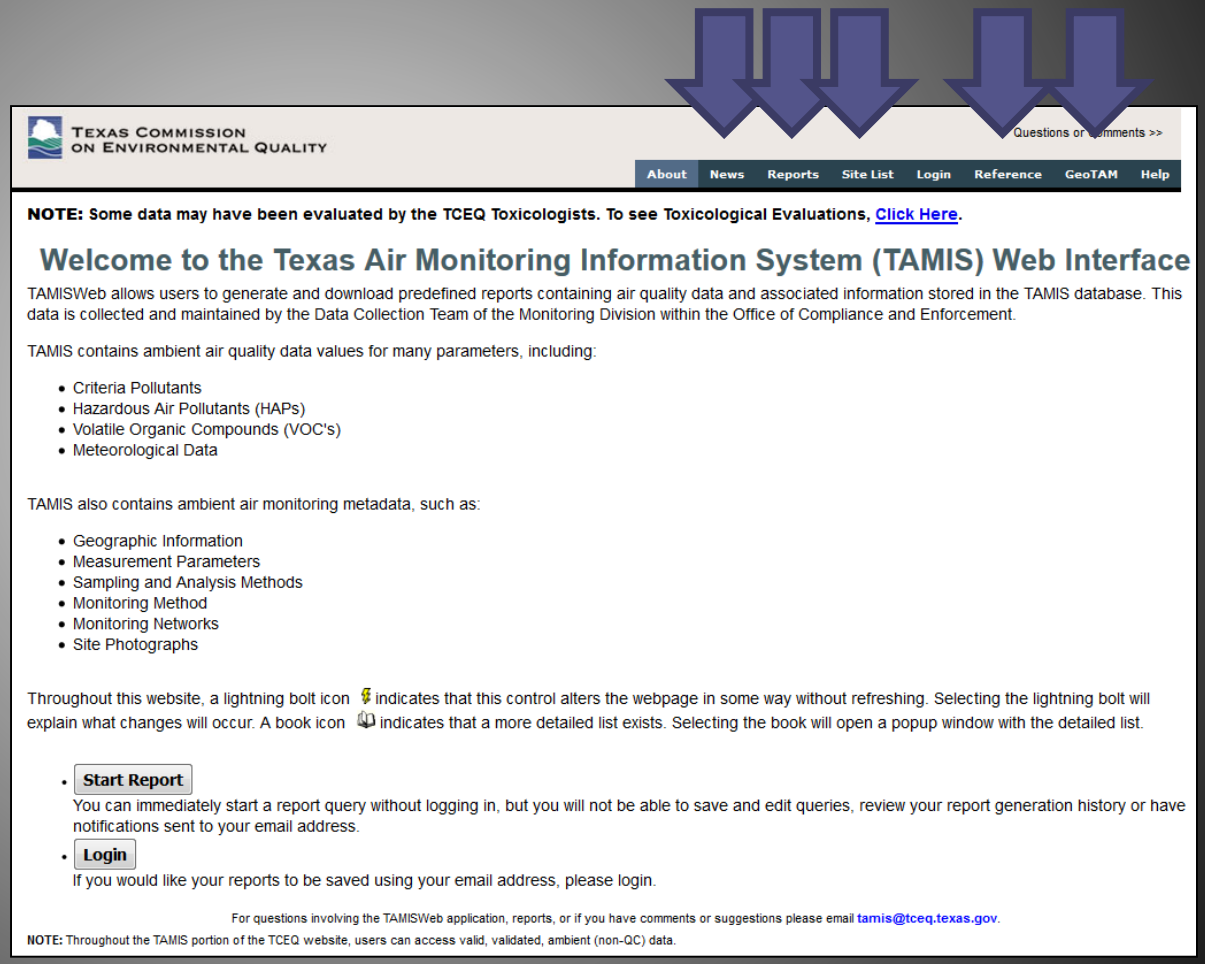
News
Alerts, updates, release notes

Reports
Validated data, mapping, summary

Site List
Ambient air monitoring sites

Reference
Definitions and term meanings

GeoTAM
Link to the GeoTAM mapping application



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Questions or comments >>

About | News | Reports | Site List | Login | Reference | GeoTAM | Help

NOTE: Some data may have been evaluated by the TCEQ Toxicologists. To see Toxicological Evaluations, Click Here.

Welcome to the Texas Air Monitoring Information System (TAMIS) Web Interface

TAMISWeb allows users to generate and download predefined reports containing air quality data and associated information stored in the TAMIS database. This data is collected and maintained by the Data Collection Team of the Monitoring Division within the Office of Compliance and Enforcement.

TAMIS contains ambient air quality data values for many parameters, including:

- Criteria Pollutants
- Hazardous Air Pollutants (HAPs)
- Volatile Organic Compounds (VOC's)
- Meteorological Data

TAMIS also contains ambient air monitoring metadata, such as:

- Geographic Information
- Measurement Parameters
- Sampling and Analysis Methods
- Monitoring Method
- Monitoring Networks
- Site Photographs

Throughout this website, a lightning bolt icon indicates that this control alters the webpage in some way without refreshing. Selecting the lightning bolt will explain what changes will occur. A book icon indicates that a more detailed list exists. Selecting the book will open a popup window with the detailed list.

- Start Report
  You can immediately start a report query without logging in, but you will not be able to save and edit queries, review your report generation history or have notifications sent to your email address.
- Login
  If you would like your reports to be saved using your email address, please login.

For questions involving the TAMISWeb application, reports, or if you have comments or suggestions please email tamis@tceq.texas.gov.

NOTE: Throughout the TAMIS portion of the TCEQ website, users can access valid, validated, ambient (non-QC) data.

Site List

List of the currently active ambient air monitoring sites owned or hosted by TCEQ.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Questions or Comments >>

About | News | Reports | Site List | Login | Reference | GeoTAM | Help

NOTE: Some data may have been evaluated by the TCEQ Toxicologists. To see Toxicological Evaluations, Click Here.

NOTE: Information shown on this page is subject to change without notice.

Site List Options

Site List

AQS Code	CAMS	TCEQ Region	Req#	Site Name	Street Address	Activation Date	Owned By
480055013	5013	BEAUMONT	10	Lufkin KLFK	Angelina County Airport	02-Sep-2005	National Weather Service
480210684	0684	AUSTIN	11	McKinney Roughs	1884 State Hwy 71 W	16-Aug-2006	Capital Area Council of Governments
480271045	1045	WACO	09	Temple Georgia	8406 Georgia Avenue	04-Oct-2013	TCEQ
480271047	1047	WACO	09	Killeen Skylark Field	1605 Stone Tree Drive	11-Jun-2009	TCEQ
480290032	0023	SAN ANTONIO	13	San Antonio Northwest	8655 Bluebird Lane	01-Jul-1981	TCEQ
480290051	0140	SAN ANTONIO	13	San Antonio Seale	254 Seale Road	13-Jul-1994	TCEQ
480290052	0058	SAN ANTONIO	13	Camp Bullis	F Range (1000Yd marker off Wilderness Trail) Near Wilderness Rd	10-Aug-1998	TCEQ
480290053	0301	SAN ANTONIO	13	Selma	16289 North Evans Rd #2	06-Oct-1999	TCEQ
480290055	0678	SAN ANTONIO	13	CPS Pecan Valley	802 Pecan Valley Drive	11-Mar-1999	San Antonio City Public Services
480290059	0059	SAN ANTONIO	13	Calaveras Lake	14620 Laguna Rd	12-May-1998	TCEQ
480290060		SAN ANTONIO	13	Frank Wing Municipal Court	401 South Frio St	18-May-2000	TCEQ
480290501	0501	SAN ANTONIO	13	Elm Creek Elementary	11535 Pearsall Rd	17-Jun-2002	Alamo Area Council of Governments
480290502	0502	SAN ANTONIO	13	Fair Oaks Ranch	7286 Dietz Elkhorn Rd	27-Jun-2002	Alamo Area Council of Governments
480290622	0622	SAN ANTONIO	13	Heritage Middle School	7145 Gardner Road	29-Jul-2004	San Antonio City Public Services
480290623	0623	SAN ANTONIO	13	Gardner Rd. Gas Sub-Station	9599 Gardner Road	28-Jun-2005	San Antonio City Public Services
480290625	0625	SAN ANTONIO	13	Gate 9A CPS	12941 Cassiano Road	01-Jun-2005	San Antonio City Public Services
480290626	0626	SAN ANTONIO	13	Gate 58 CPS	1100 Hildebrandt	01-Jun-2005	San Antonio City Public Services
480290676	0676	SAN ANTONIO	13	Palo Alto	9011 Poteet Jourdanton Hwy	01-Aug-2006	San Antonio Metropolitan Health District
480290677	0677	SAN ANTONIO	13	Old Hwy 90	911 Old Hwy 90 West	09-Oct-2006	San Antonio Metropolitan Health District
480291069	1069	SAN ANTONIO	13	San Antonio Interstate 35	9904 IH 35 N	08-Jan-2014	TCEQ
480370004		TYLER	05	Texarkana	2315 W 10th Street	01-Jan-1999	TCEQ
480371031	1031	TYLER	05	Texarkana New Boston	2700 New Boston Rd	23-Mar-2016	TCEQ
480390618	0618	HOUSTON	12	Danciger	FM 1459 @ County Road 924	01-Jun-2003	Brazoria County - Sweeny Industry Group
480391003	0011	HOUSTON	12	Clute	426 Commerce Street	01-Jan-1974	TCEQ
480391004	0084	HOUSTON	12	Manvel Croix Park	4503 Croix Pkwy	23-Aug-2001	TCEQ
480391012	1012	HOUSTON	12	Freeport South Avenue I	207 South Avenue I	25-May-2011	TCEQ
480391016	1016	HOUSTON	12	Lake Jackson	109B Brazoria Hwy 332 West	10-Jun-2003	TCEQ
480415011	5011	WACO	09	College Station KCLL	Easterwood Field Airport	02-Sep-2005	National Weather Service
480430101	0067, 0316, 0656, 0691	EL PASO	06	Bravo Big Bend	Big Bend National Park	01-Oct-1990	National Park Service
480535009	5009	AUSTIN	11	Burnet County Airport KBMQ	Burnet County Airport	17-Jun-2004	National Weather Service
480551604	1604	AUSTIN	11	Lockhart	214 Bufkin Lane	24-Apr-2014	Capital Area Council of Governments

Site List Options

Allows a user to customize the site list for their needs.

Site List Options

Show Columns

☑ CAMS	☑ TCEQ Region	☑ Site Name	☑ Address ☐ City ☐ State ☐ ZIP ☐ County	☐ Latitude ☐ Longitude ○ DMS ◉ Decimal ☐ Elevation ☐ UTM
☐ Time Zone	☐ Number of Parameters	☑ Activation Date	☐ Deactivation Date	☐ Urban Area
☑ Owned By	☐ EPA Registered?	☐ Maintained By		

Filters

TCEQ Region	County	CAMS
<All TCEQ Regions>	<All Counties>	<All CAMS>

Select options

Click Redisplay List

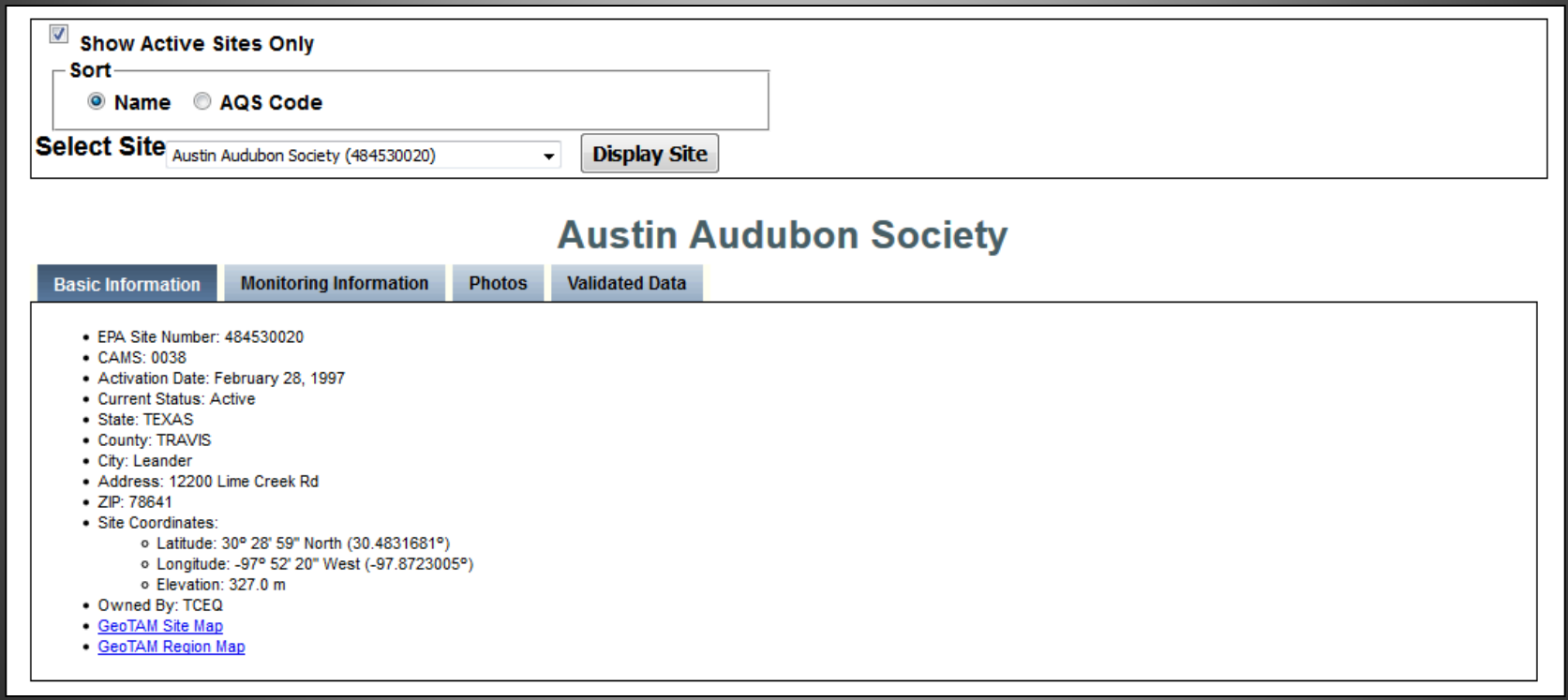
Redisplay List

Site List

AQS Code	CAMS	TCEQ Region	Req#	Site Name	Street Address	Activation Date	Owned By
480055013	5013	BEAUMONT	10	Lufkin KLFK	Angelina County Airport	02-Sep-2005	National Weather Service
480210684	0684	AUSTIN	11	McKinney Roughs	1884 State Hwy 71 W	16-Aug-2006	Capital Area Council of Governments
480271045	1045	WACO	09	Temple Georgia	8406 Georgia Avenue	04-Oct-2013	TCEQ
480271047	1047	WACO	09	Killeen Skylark Field	1605 Stone Tree Drive	11-Jun-2009	TCEQ
480290032	0023	SAN ANTONIO	13	San Antonio Northwest	8655 Bluebird Lane	01-Jul-1981	TCEQ
480290051	0140	SAN ANTONIO	13	San Antonio Seale	254 Seale Road	13-Jul-1994	TCEQ
480290052	0058	SAN ANTONIO	13	Camp Bullis	F Range (1000Yd marker off Wilderness Trail) Near Wilderness Rd	10-Aug-1998	TCEQ
480290053	0301	SAN ANTONIO	13	Selma	16289 North Evans Rd #2	06-Oct-1999	TCEQ
480290055	0678	SAN ANTONIO	13	CPS Pecan Valley	802 Pecan Valley Drive	11-Mar-1999	San Antonio City Public Services
480290059	0059	SAN ANTONIO	13	Calaveras Lake	14620 Laguna Rd	12-May-1998	TCEQ
480290060		SAN ANTONIO	13	Frank Wing Municipal Court	401 South Frio St	18-May-2000	TCEQ
480290501	0501	SAN ANTONIO	13	Elm Creek Elementary	11535 Pearsall Rd	17-Jun-2002	Alamo Area Council of Governments
480290502	0502	SAN ANTONIO	13	Fair Oaks Ranch	7286 Dietz Elkhorn Rd	27-Jun-2002	Alamo Area Council of Governments

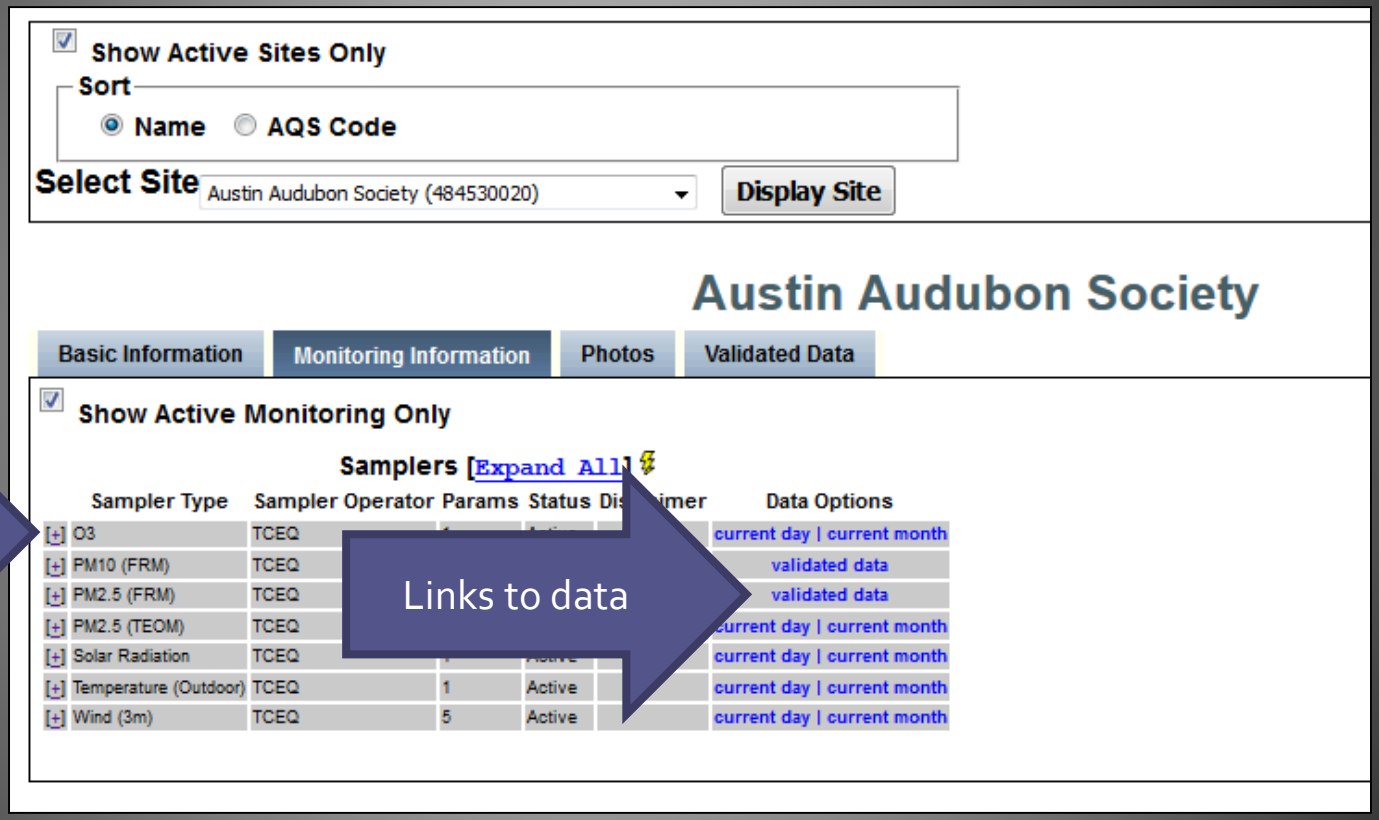
Site Information

Site Name, identification number(s), startup date, location information.



Monitoring Information

Monitoring type, operator, pollutants monitored, and links to data.



Expands to show pollutants monitored

Links to data

Near Real-Time Data

Data from near real-time ambient air monitoring samplers is updated online once an hour.

Audubon C38 Data by Site by Date (all parameters)

Use this form to retrieve hourly data collected at Audubon C38. Although this is the most current data, it is not considered official until it has been certified by the technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m. The noon average will not be calculated until after 1:00 p.m. The noon average will then be available on our external server from 1:15 p.m. to 1:30 p.m. This results in an apparent one-hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time. During Daylight Savings, this introduces another apparent one-hour time lag in the data.

Use the controls below to select a different date or time format. Click on the Generate Report button once you have made your selections. Click on the Plot Data button once the tabular report has been generated to open a separate window containing data plots.

CAMS 38 Audubon C38 **Select a different site**

Month: Day: Year: Time Format:

April 15 2016 12 Hour (AM/PM) Generate Report Plot Data

☑ Green underline for validated data

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Audubon C38 for **Friday, April 15, 2016**. All times shown are in CST.

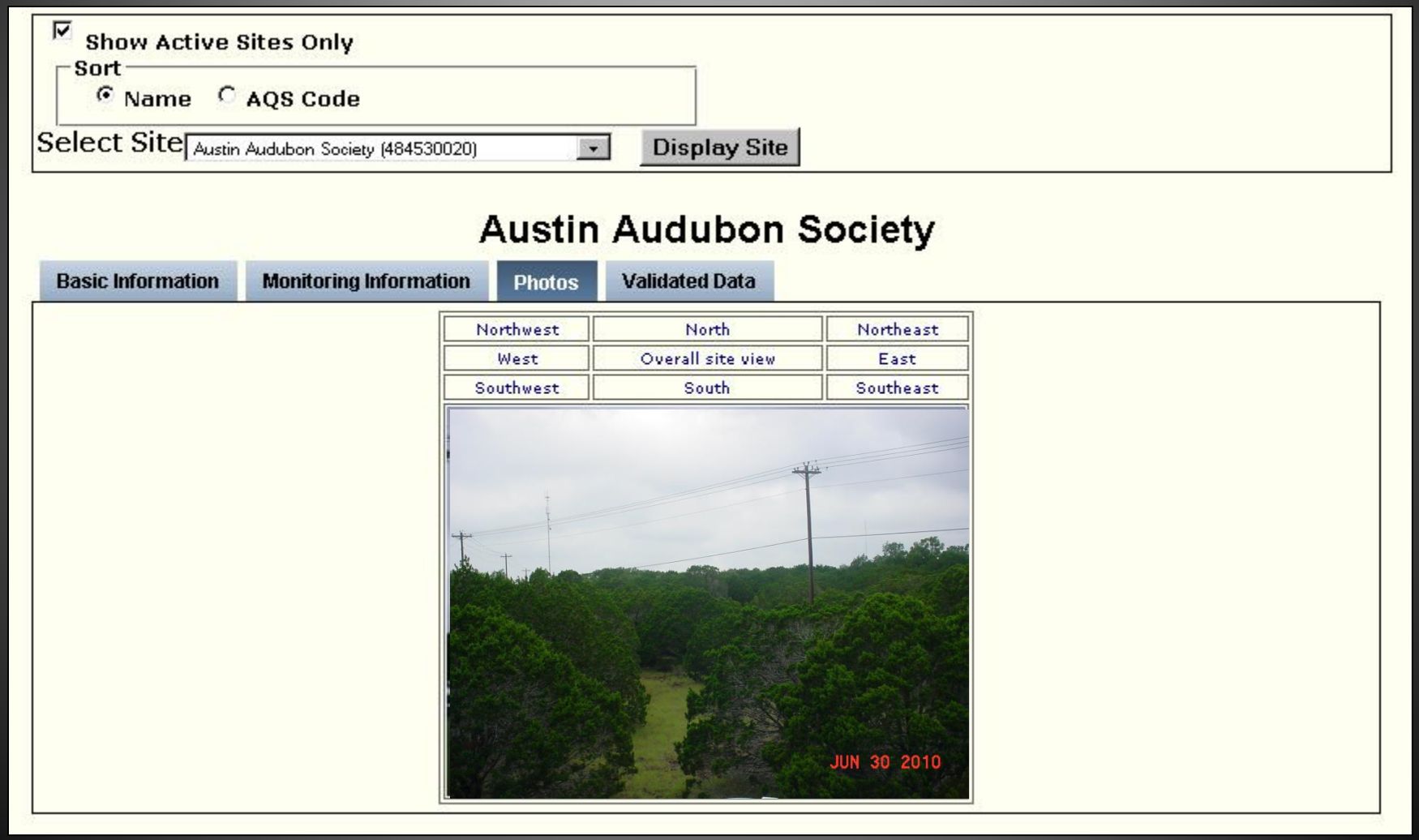
Parameter Measured	Morning												Afternoon			Parameter Measured	POC
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00		
Ozone	***12***	14	15	17	16	12	15	17	24	31	38	**44**	FEW	NA	NA	Ozone	1 R MDL
Wind Speed	3.0	3.3	3.3	3.0	3.6	***2.8***	3.8	3.6	4.1	3.9	4.4	**5.3**	FEW	NA	NA	Wind Speed	1
Resultant Wind Speed	3.0	3.2	3.2	2.9	3.4	***2.5***	3.3	3.2	3.6	3.2	3.3	**4.2**	FEW	NA	NA	Resultant Wind Speed	1
Resultant Wind Direction	72	62	***58***	68	73	105	123	121	124	130	**134**	102	FEW	NA	NA	Resultant Wind Direction	1
Maximum Wind Gust	6.2	5.8	***5.0***	6.3	7.5	6.8	9.6	8.5	10.3	9.8	12.1	**12.2**	FEW	NA	NA	Maximum Wind Gust	1
Std. Dev. Wind Direction	12	10	***9***	17	17	29	30	28	28	35	**40**	36	FEW	NA	NA	Std. Dev. Wind Direction	1
Outdoor Temperature	56.1	55.7	55.2	***55.1***	55.4	55.6	56.5	57.5	60.7	64.0	67.6	**71.0**	FEW	NA	NA	Outdoor Temperature	1
Solar Radiation	***0.000***	0.000	0.000	0.000	0.000	0.000	0.022	0.182	0.373	0.716	1.267	**1.383**	FEW	NA	NA	Solar Radiation	1
PM-2.5 (Local Conditions) Acceptable	5.3	6.9	5.2	9.0	8.9	9.5	9.7	**10.3**	6.8	***3.8***	6.5	5.4	FEW	NA	NA	PM-2.5 (Local Conditions) Acceptable	3 MDL
Parameter Measured	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	Parameter Measured	POC
	Morning												Afternoon				

Maximum values for each parameter are **bold** within the table. Minimum values are ***bold italic***.

R - Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

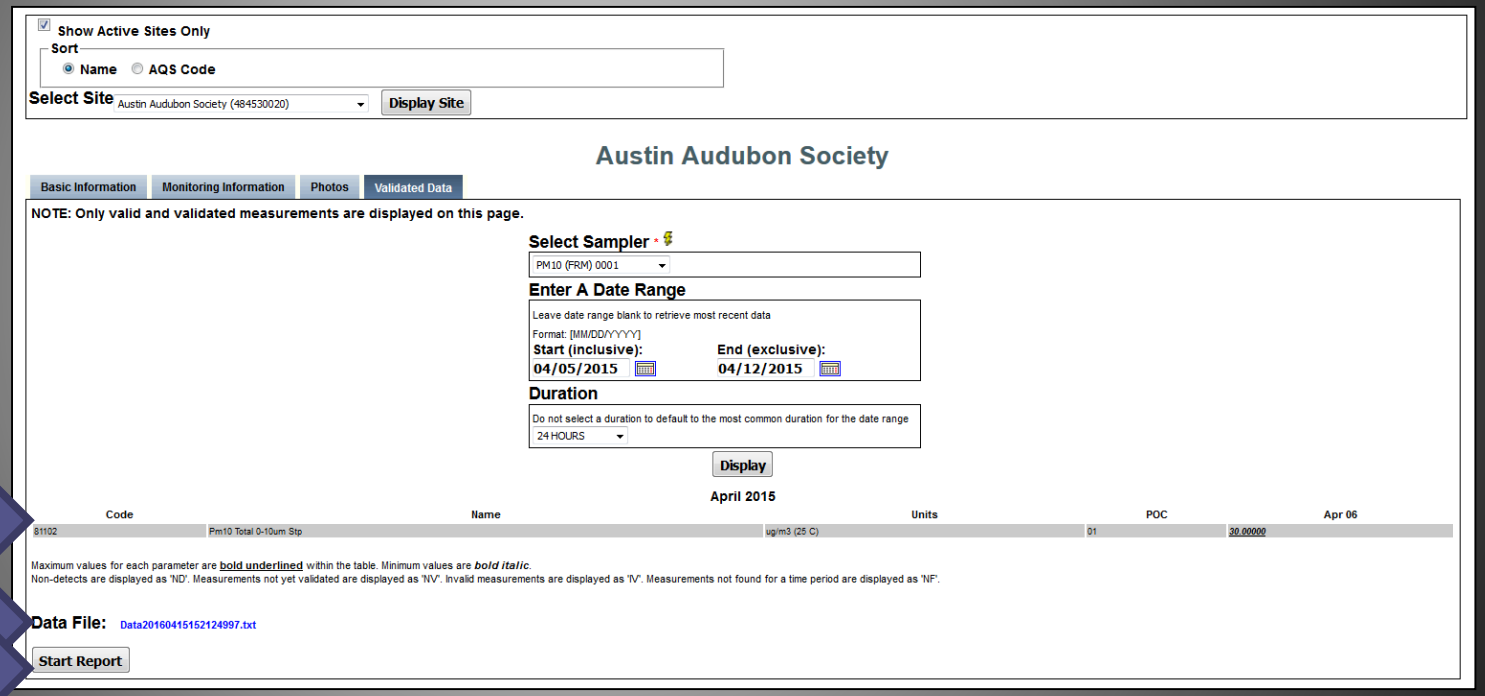
Site Photos

Photos of the ambient air monitoring site and the immediately surrounding area.



Validated Data

The most current, valid, validated data available from samplers at each site.

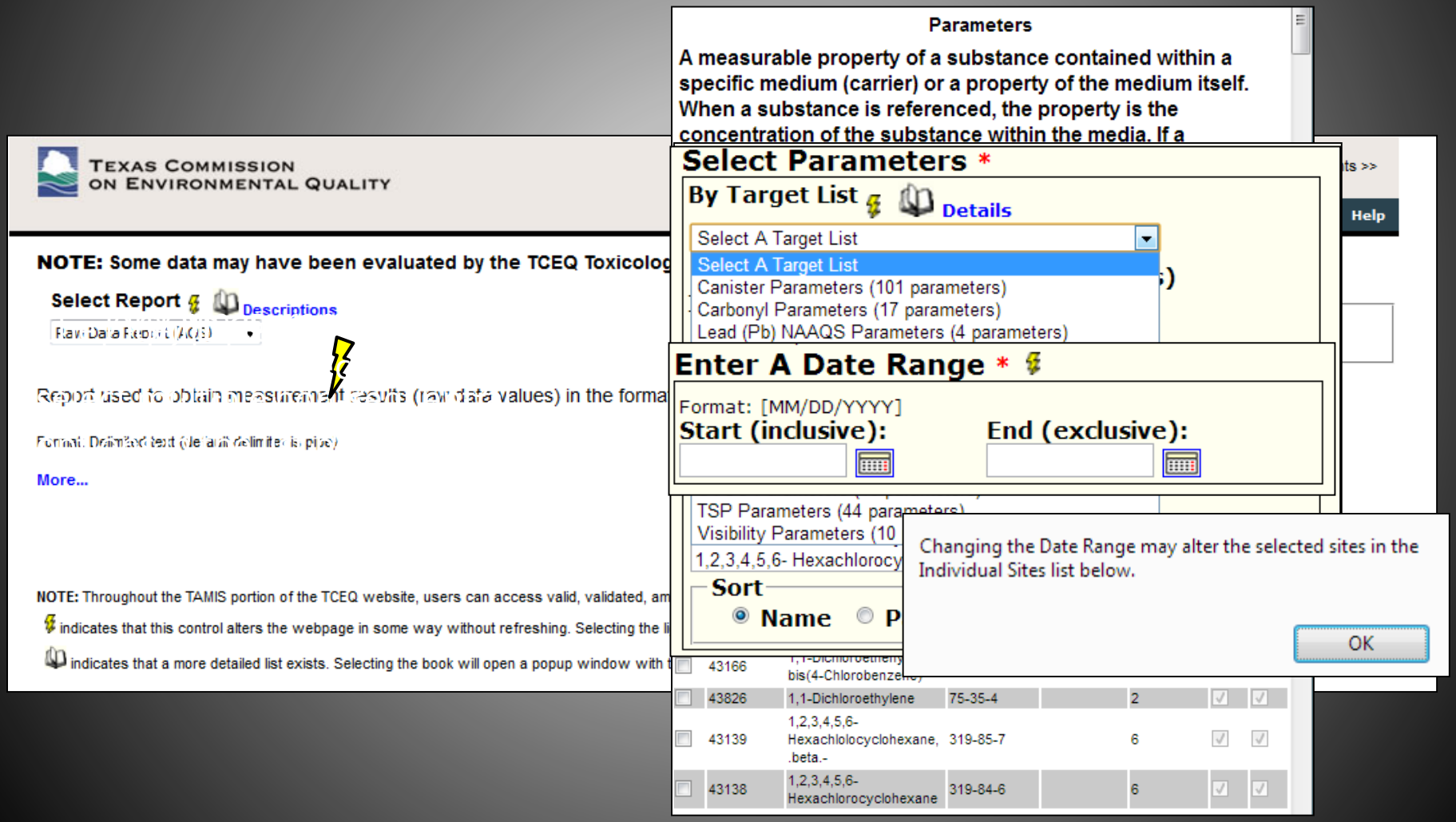


Most current validated data

Customiza data rep t portal

Reports

Validated ambient air monitoring data reports, mapping data report, data summary statistics report



Raw Data Reports

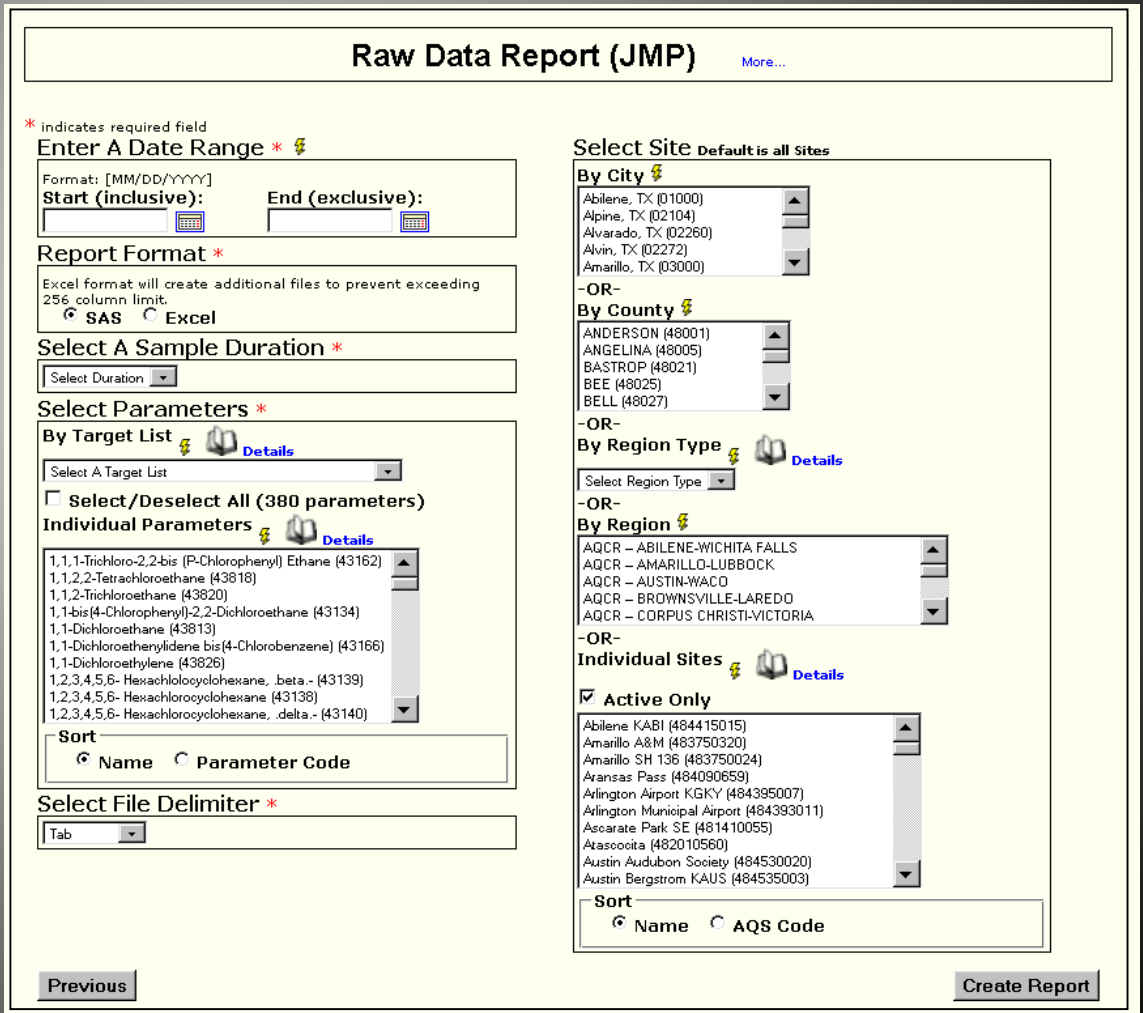
Used to obtain measurement results (raw data values).

Raw Data Report (AQS)

EPA's Air Quality System file format

Raw Data Report (JMP)

For import into SAS, Excel, or other statistical analysis applications

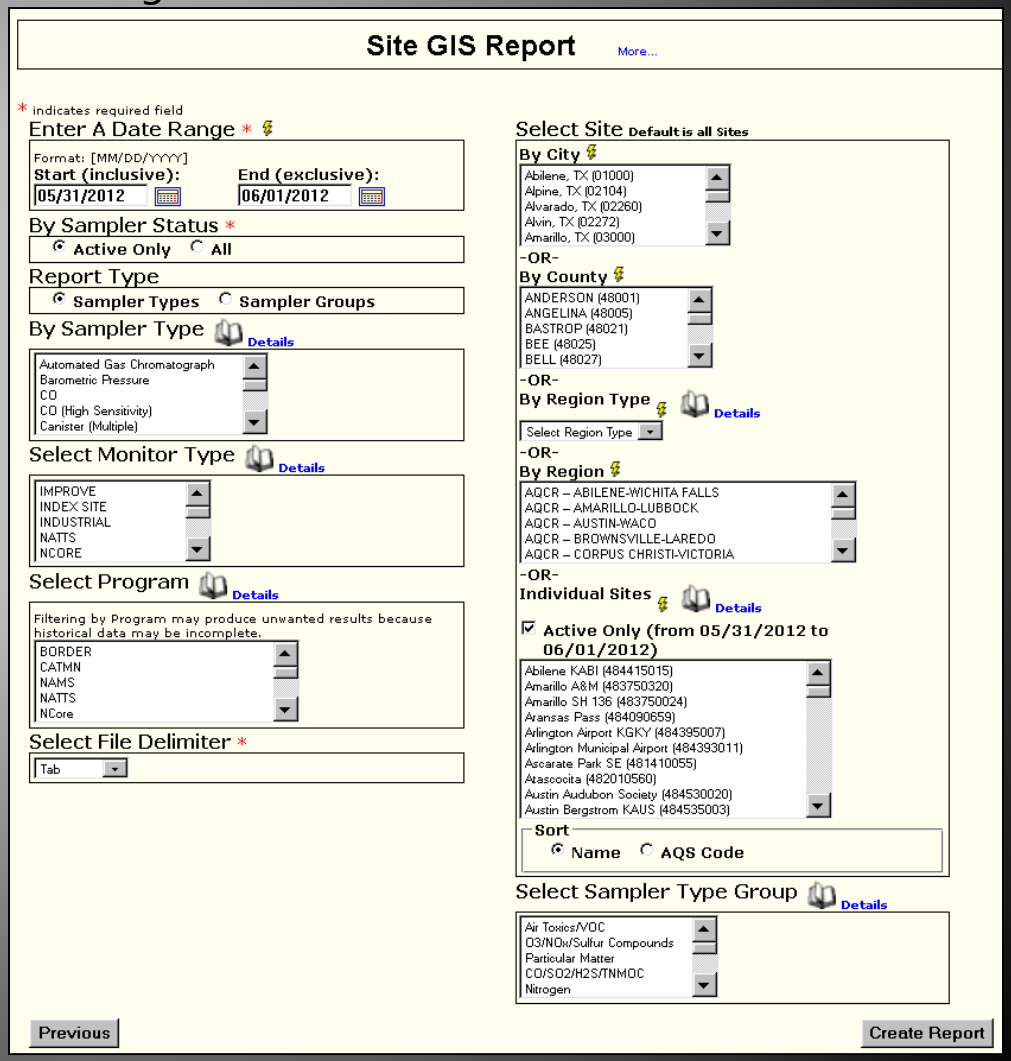


Site GIS Report

The Site GIS Report is designed to provide the geospatial information and types of samplers operated at ambient air monitoring sites.

Latitude

Longitude

Other geospatial information

Easily imports into ArcGIS for customizable maps.