Upcoming Accidental Librarian Webinars

- May 20: Government Financial Tools
- June TBD: Legal research
- August TBD: Using data in instruction
- September TBD: Trade data
- October TBD: Foreign affairs research
- November TBD: UN data
- December TBD: The Serial Set

- Brought to you by the North Carolina Library Association's Government Resources Section. Join us! http://www.nclaonline.org/government-resources

Finding Government Data on the Environment

Ann Marshall, April 29th, 2015
email@annmarshall.info
twitter: @annmarshallibre

Image is from: http://www.environmentandsociety.org/mml/waste-leo-koppelkamm

Overview

1. Interactive Tools (e.g. maps)
2. Finding & Downloading Datasets
3. Searching the Scholarly Literature
4. On Campus & Curriculum Ideas

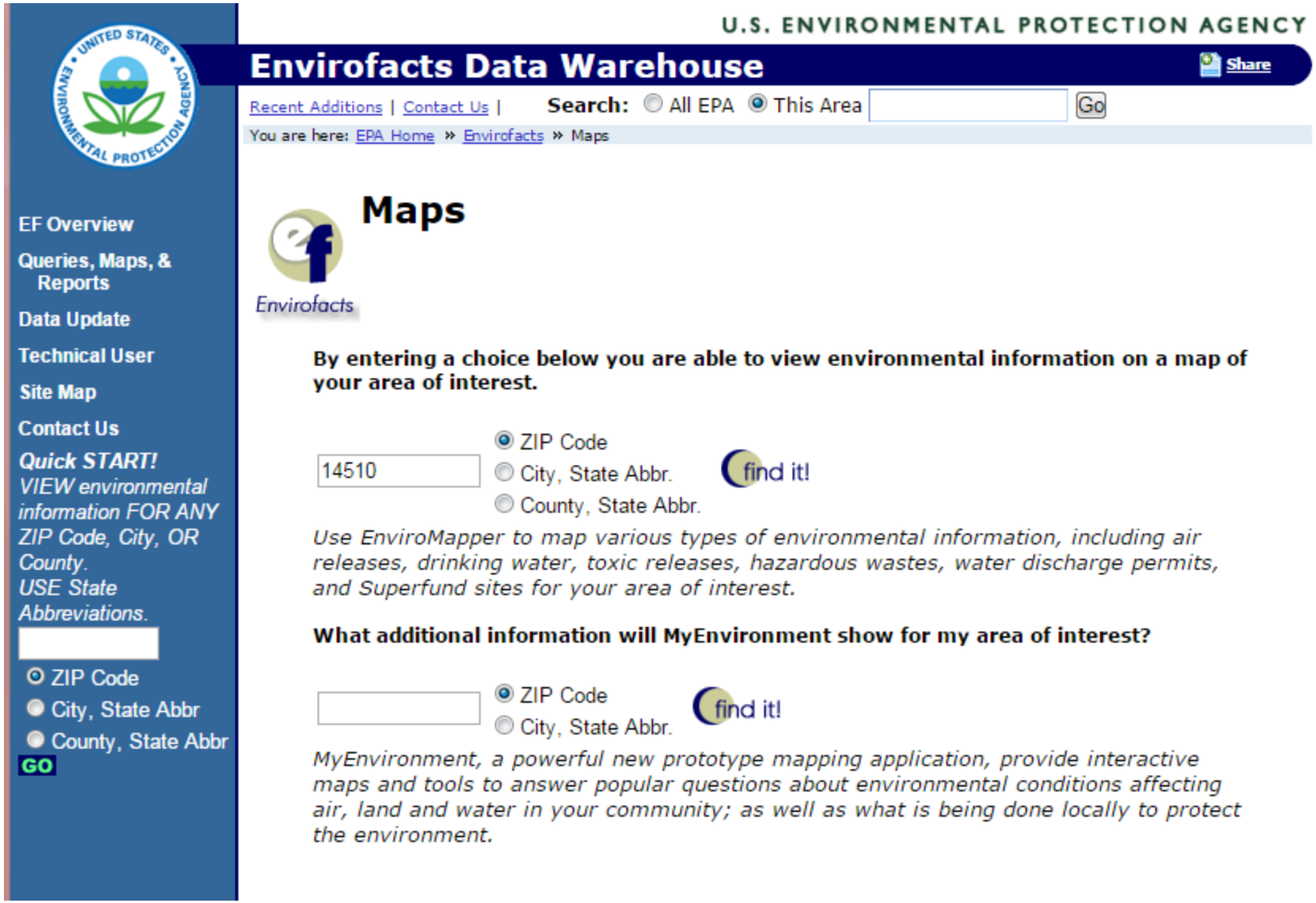
If time allows (or on your own) ...

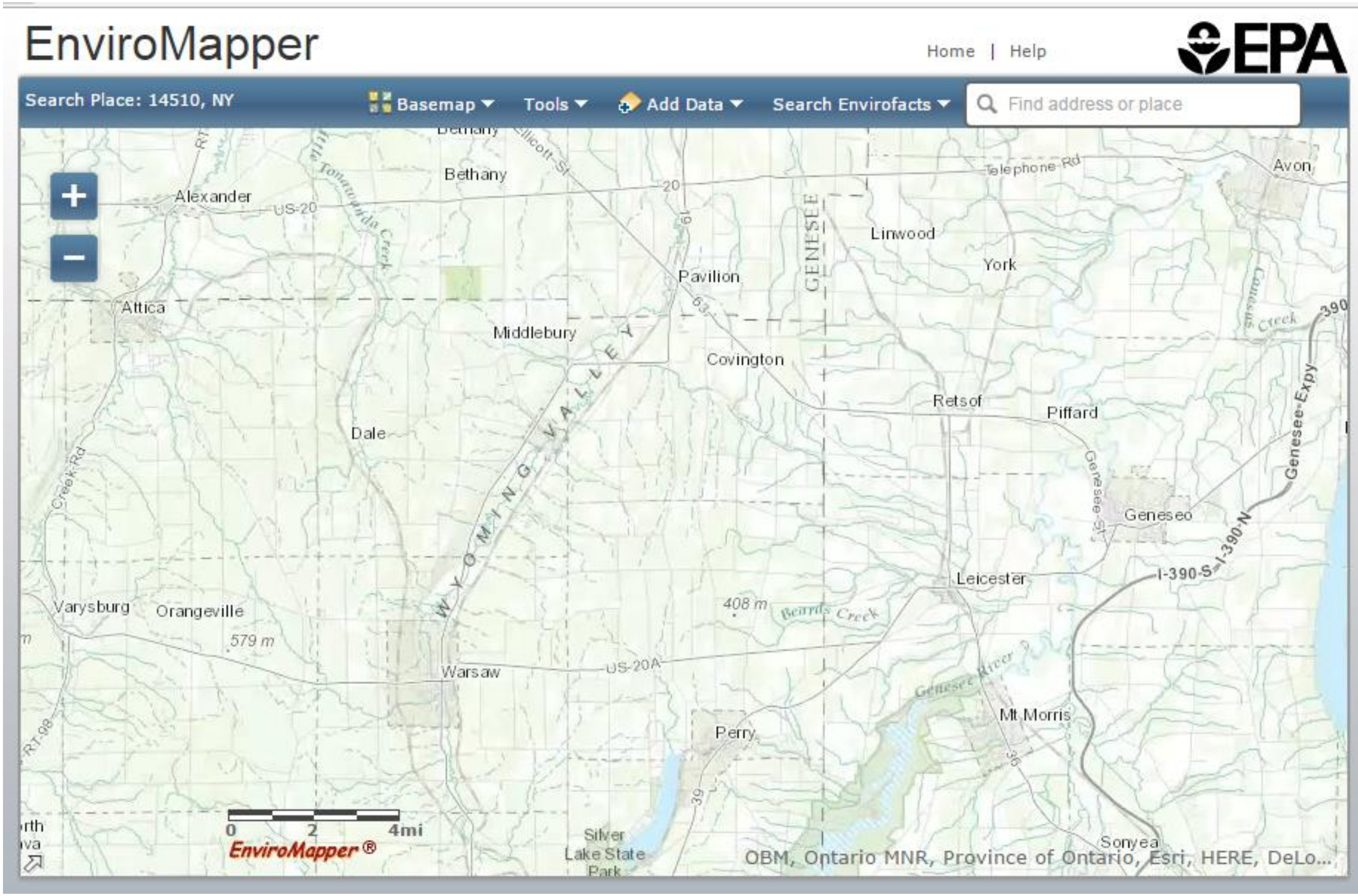
Appendix I: A Few Global Sources

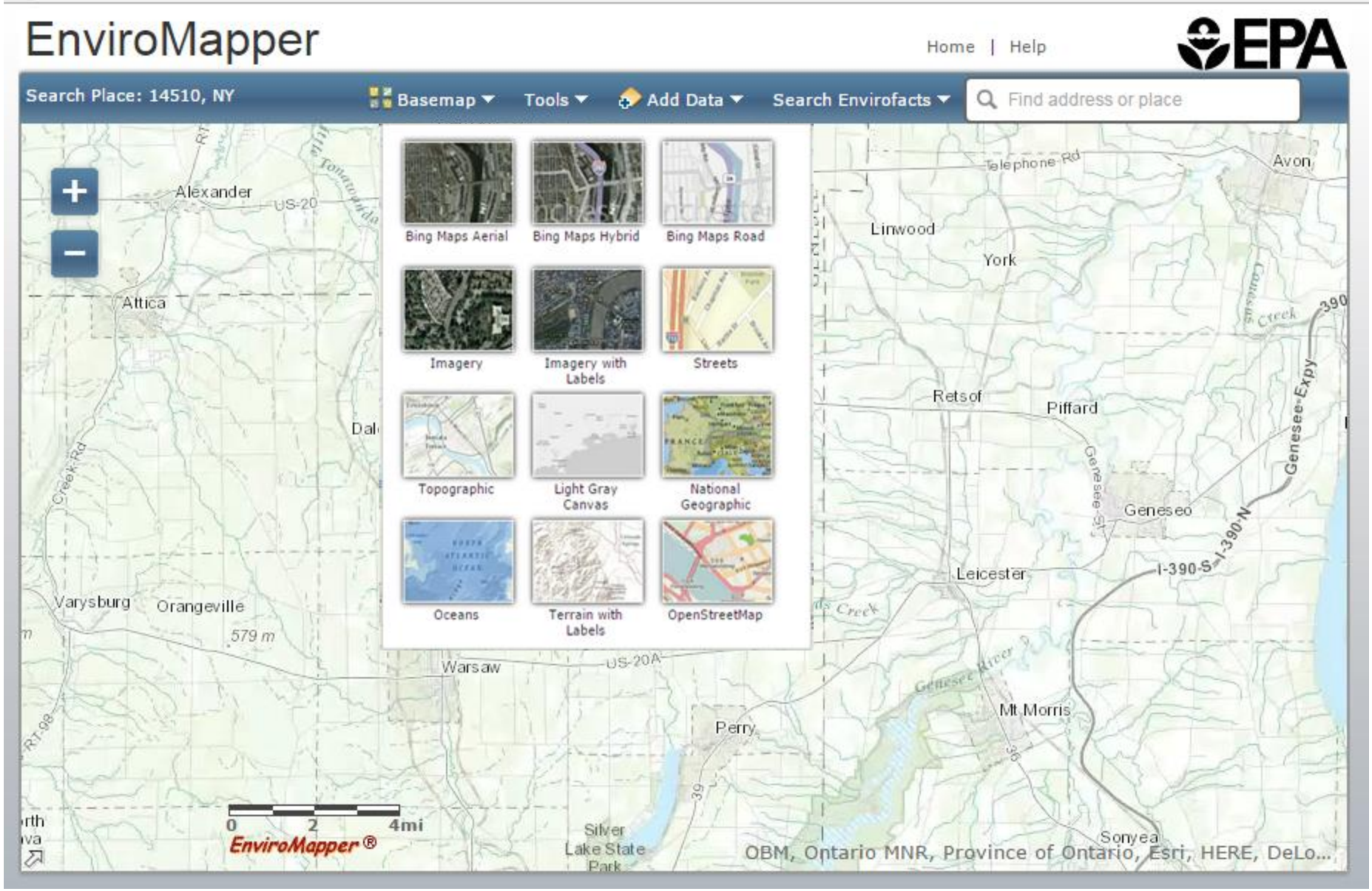
Appendix II: Additional U.S. Resources

Interactive Tools (e.g. maps)

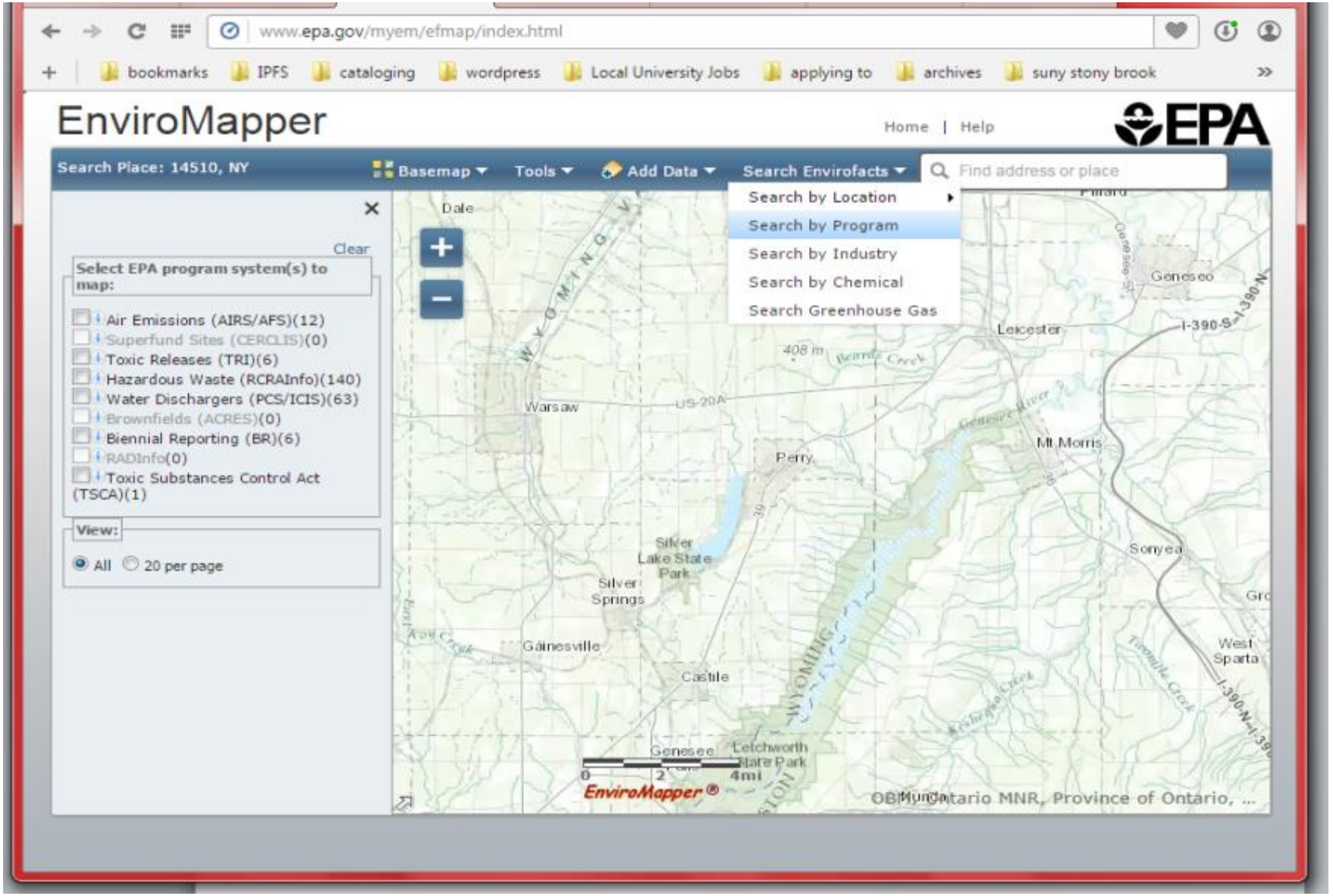
Envirofacts Data Warehouse



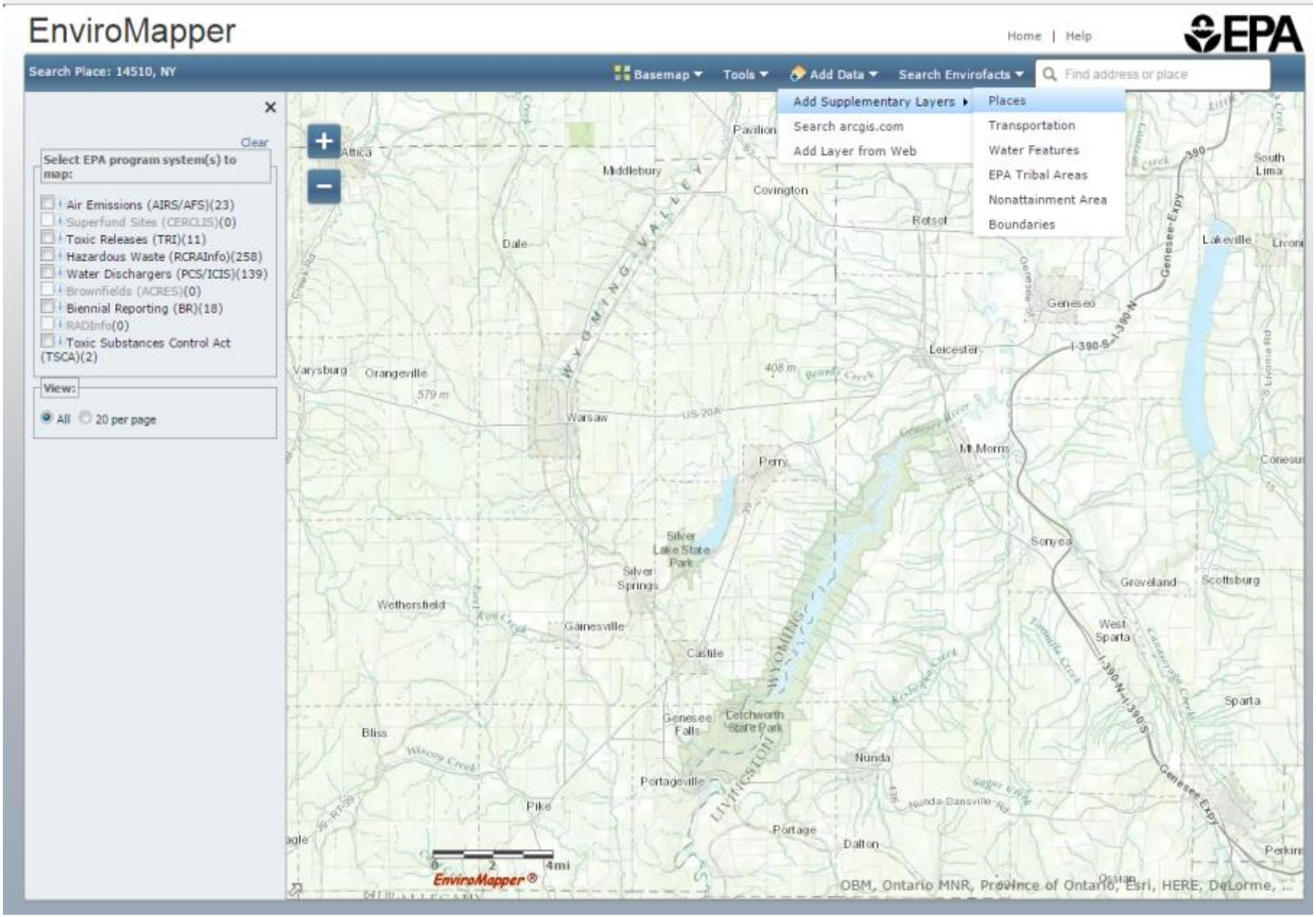

EnviroMapper
Home | Help
EPA
Search Place: 14510, NY
Basemap
Tools
Add Data
Search Envirofacts
Find address or place
Bethany
Alexander
US-20
Tonawanda Creek
20
Telephone Rd
Avon
GENESEE
Linwood
York
Pavilion
Attica
63
Middlebury
Covington
WYOMING VALLEY
Retsof
Piffard
Dale
Creek Rd
Genesee St
Geneseo
Genesee Expy
390
I-390-N
I-390-S
Leicester
Varysburg
Orangeville
579 m
408 m
Beards Creek
Warsaw
US-20A
Genesee River
Mt Morris
Perry
RT-98
39
36
0
2
4mi
EnviroMapper ®
Silver Lake State Park
Sonyea
OBM, Ontario MNR, Province of Ontario, Esri, HERE, DeLo...


EnviroMapper
Home | Help
EPA
Search Place: 14510, NY
Basemap
Tools
Add Data
Search Envirofacts
Find address or place
Bing Maps Aerial
Bing Maps Hybrid
Bing Maps Road
Imagery
Imagery with Labels
Streets
Topographic
Light Gray Canvas
National Geographic
Oceans
Terrain with Labels
OpenStreetMap
Alexander
US-20
Attica
Varysburg
Orangeville
579 m
Warsaw
US-20A
Perry
Silver Lake State Park
Mt Morris
Leicester
Geneseo
Retsof
Piffard
Linwood
York
Avon
Telephone Rd
Genesee Expy
I-390 S
I-390 N
0 2 4mi
EnviroMapper ®
OBM, Ontario MNR, Province of Ontario, Esri, HERE, DeLo...

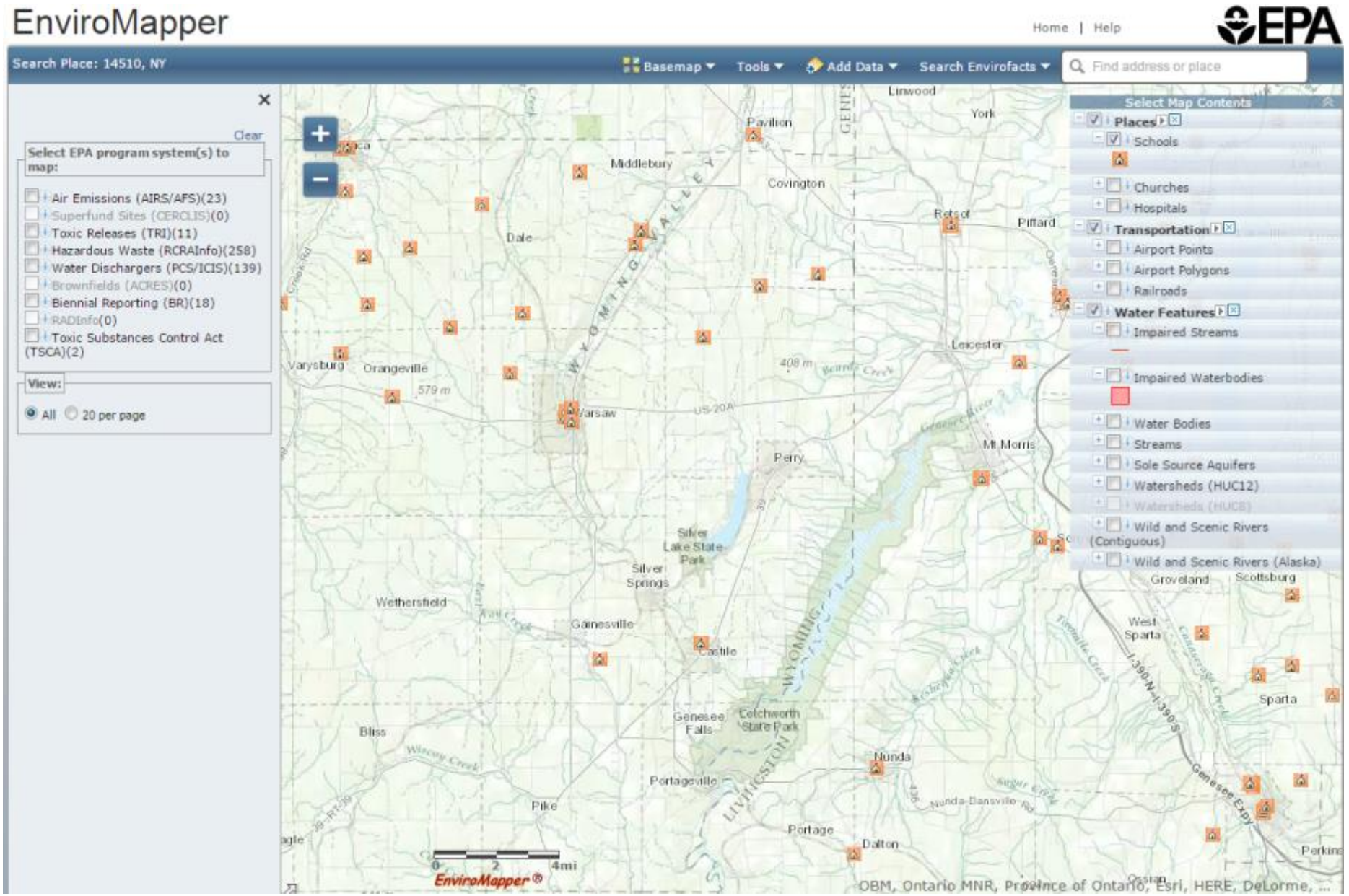
Trying Searching by Program (under Envirofacts)



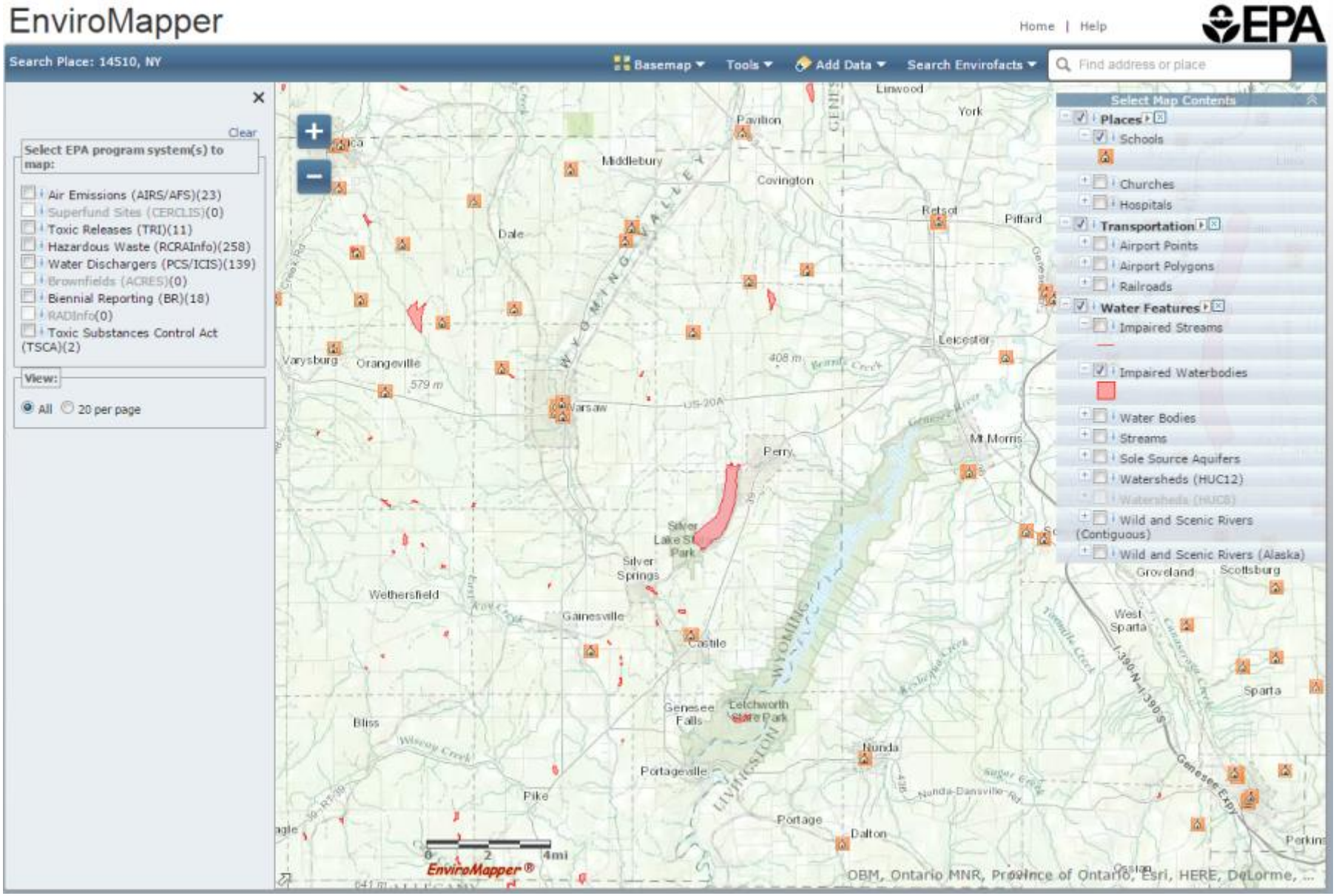
Add Data --> Add Supplementary Layers --> Places -->



Add Data --> Add Supplementary Layers --> Places --> Add Schools



Add Data --> Add Supplementary Layers --> Water Features --> Impaired Waterbodies



Layer: Impaired Waterbodies (ID: 1)

Name: Impaired Waterbodies

Display Field: EVENTTYPE

Type: Feature Layer

Geometry Type: esriGeometryPolygon

Description: Water bodies that have excess pollutants and are not clean enough to support recreational u
Metadata

Definition Expression: N/A

Copyright Text: EPA Office of Wetlands, Oceans, and Watersheds (OWOW)

Default Visibility: false

MaxRecordCount: 1000

Supported Query Formats: JSON, AMF

Min Scale: 5000000

Max Scale: 0

Supports Advanced Queries: true

Supports Statistics: true

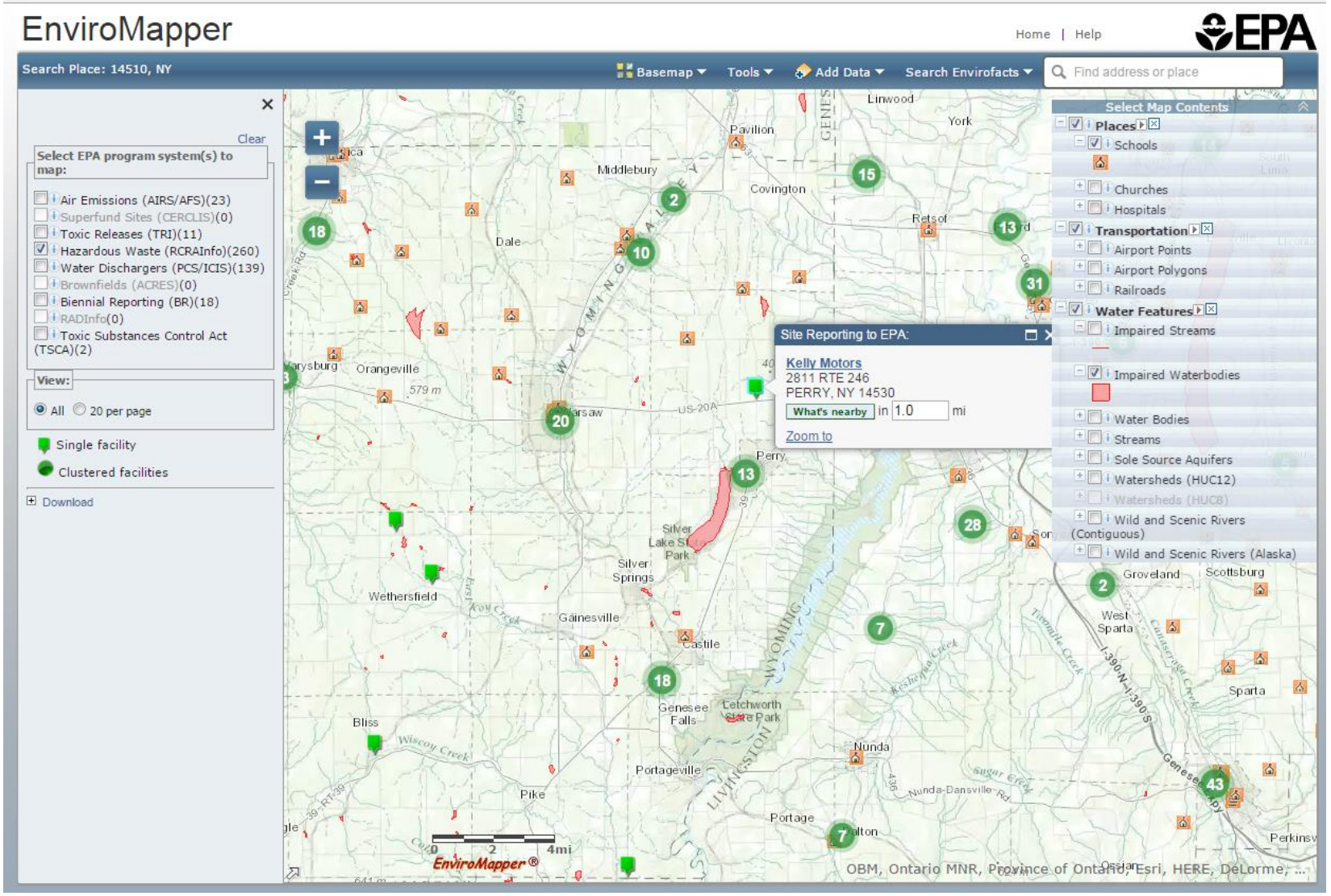
Has Labels: false

Can Modify Layer: false

Can Scale Symbols: false

Use Standardized Queries: true

At Left, Add: Hazardous Waste Sites to Map



So, why does EPA collect data from Kelly Motors? And, what kind of data do they collect?

Kelly Motor Corp.

2811 Route 246, Perry, NY 14530

Home | New Vehicles | Used Vehicles | Finance | Servic

REQUEST A
QUOTE

VALUE YOUR
TRADE
Black Book

CREDIT
ESTIMATOR

Welcome to **Kelly Motor Corp.**

Kelly Motor Corp., a Ford dealer in Perry, New York offers new Ford Cars, Crossovers, SUVs, Trucks online at http://www.kellymotorcorp.net. Search for all new 2014 and 2015 Ford, including Flex, SuperDuty, Explorer, F-150, Econoline Wagon, Expedition, Fiesta, Focus, Taurus, Fusion, Edge, Transit VanWagon, Escape, Mustang, C-MAX, Transit Connect. Find your dream car from our Ford showroom of Cars, Crossovers, SUVs, Trucks or search our new Ford inventory to see what is on our lot, get new car pricing and free Ford price quotes. View our used car inventory, including our pre-owned Ford vehicles.

Hazardous Waste

Hazardous Waste

This layer of EnviroMapper indicates the specific facilities regulated by the USEPA that handle materials designated as hazardous waste. Hazardous waste is any by-product of society that can pose a substantial or potential hazard to human health or the environment when improperly managed.

The Resource Conservation and Recovery Act (RCRA) requires that generators, transporters, treaters, storers, and disposers of hazardous waste (as defined by the federally-recognized hazardous waste codes) provide information concerning their activities to state environmental agencies. These agencies then provide the information to regional and national U.S. Environmental Protection Agency (EPA) offices.

Generated hazardous waste is the total weight or volume of materials and products produced by a facility that enter the waste stream before recycling, composting, landfilling, or combustion takes place.

To Find Out More About a Specific Facility

To find out selected information about a specific facility that is registered as a hazardous-waste site, use the RCRAInfo Search Form at the Envirofacts Warehouse. Specify the facility by using any combination of:

- facility name
- geographic location
- facility industrial classification
- chemicals

The RCRA divides hazardous-waste handlers

Data Source

The EnviroMapper layer for RCRAInfo sites is obtained from the US Environmental Protection Agency's (USEPA) Envirofacts Warehouse.

The database in which EPA has organized this information is called the **Resource Conservation and Recovery Information System (RCRIS)**. EPA uses RCRIS to support its implementation of RCRA, as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA).

Technical Data Description

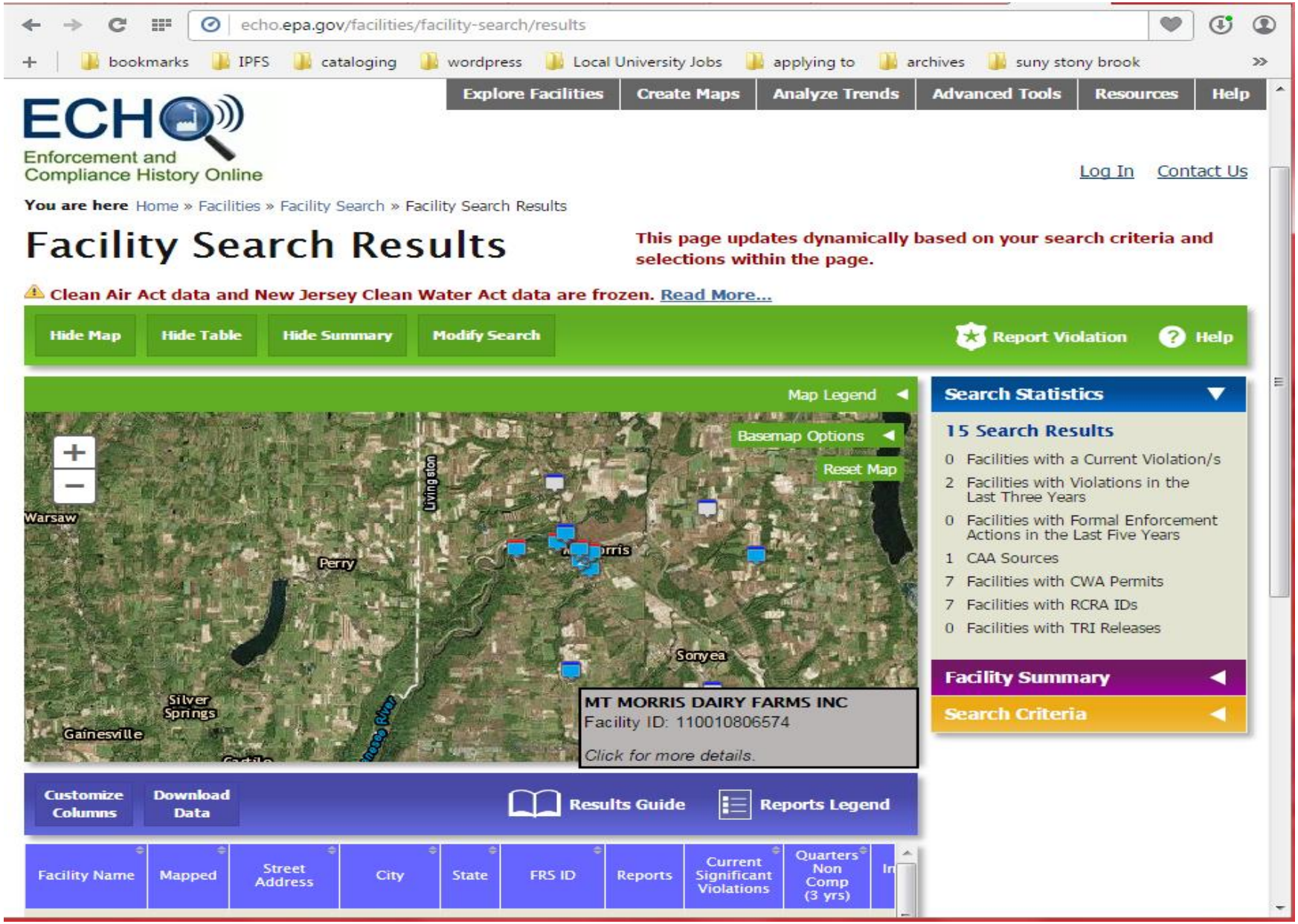
USEPA has created a unified database to track and share information on facilities it regulates. This map layer was built by accessing that database.

The Envirofacts Warehouse makes available very detailed technical information about that database, information called metadata. Metadata (or "data about data") describe the content, quality, condition, and other characteristics of data.

"generators, transporters, treaters, storers, and disposers of hazardous waste"

ECHO: http://echo.epa.gov/

ECHO -- Search by Zip Code: 14510



ECHO: Scroll down to Find Reports

Facility Name	Mapped	Street Address	City	State	FRS ID	Reports	Current Significant Violations	Quarters Non Comp (3 yrs)	Inspections (5 yrs)	Formal Enforcement Actions (5 yrs)
G L S W BOCES		27 LACKAWANNA AVE	MOUNT MORRIS	NY	110004321350	C	N	0	0	
KWIK FILL A0043-113		26 E STATE ST	MOUNT MORRIS	NY	110004458792	C	N	0	0	
MOUNT MORRIS (V) STP		117 MAIN STREET	MOUNT MORRIS	NY	110009828534	C E L	N	1	2	
MT MORRIS DAIRY FARMS INC		7295 BEGOLE ROAD	MT. MORRIS	NY	110010806574	C I E L	N	0	0	
NYSDOT BIN 1070100		RTE 258 BRG OVER RTE I-390	MOUNT MORRIS	NY	110017875209	C	N	0	0	
WILLIAMSBURG FARM LLC		5405 MT MORRIS RD	MOUNT MORRIS	NY	110019060521	C E L	N	0	0	

Search Results Reports Legend

Icon	Report	Description
I	Single Civil Enforcement Case Report	Detailed Civil Enforcement Case Report for the selected facility
I+	Multiple Civil Enforcement Case Reports	Links to all available Civil Enforcement Case Reports by case number for the selected facility. Click on a case number to access the selected Civil Enforcement Case Report
C	Compliance Report	Detailed Facility Report of a facility's compliance and enforcement data
E	Effluent Charts	Visual display of a facility's Clean Water Act (CWA) effluent discharge data
L	Pollutant Loading Report	Detailed Clean Water Act (CWA) Discharge Monitoring Report Pollutant Loading Tool information for the selected facility

Detailed Facility Report

This page updates dynamically based on your search criteria and selections within the page.

Facility Summary

KELLY MOTORS

2811 RTE 246, PERRY, NY 14530

Facility Information (FRS)

FRS ID: 110006095652
EPA Region: 02
Latitude: 42.74793
Longitude: -78.00572
Locational Data Source: FRS
Industry:
Indian Country: N
Go To Facility/System Characteristics

Regulatory Interests

Clean Air Act: No Information
Clean Water Act: No Information
Resource Conservation and Recovery Act: Inactive ( ) Other (NYD981484421)
Safe Drinking Water Act: No Information

Also Reports

Air Emissions Inventory (EIS): No Information
Greenhouse Gas Emissions (eGGRT): No Information
Toxic Releases (TRI): No Information

Enforcement and Compliance Summary

Statute	Insp (5 Years)	Date of Last Inspection	Current Compliance Status	Qtrs in NC (of 12)	Qtrs in Significant Violation	Informal Enforcement Actions (5 years)	Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5 years)	EPA Cases (5 years)	Penalties from EPA Cases (5 years)
RCRA			No Violation	0	0					

Resource Conservation and Recovery Act (RCRA)

Resource Conservation and Recovery Act (RCRA) 42 U.S.C. §6901 et seq

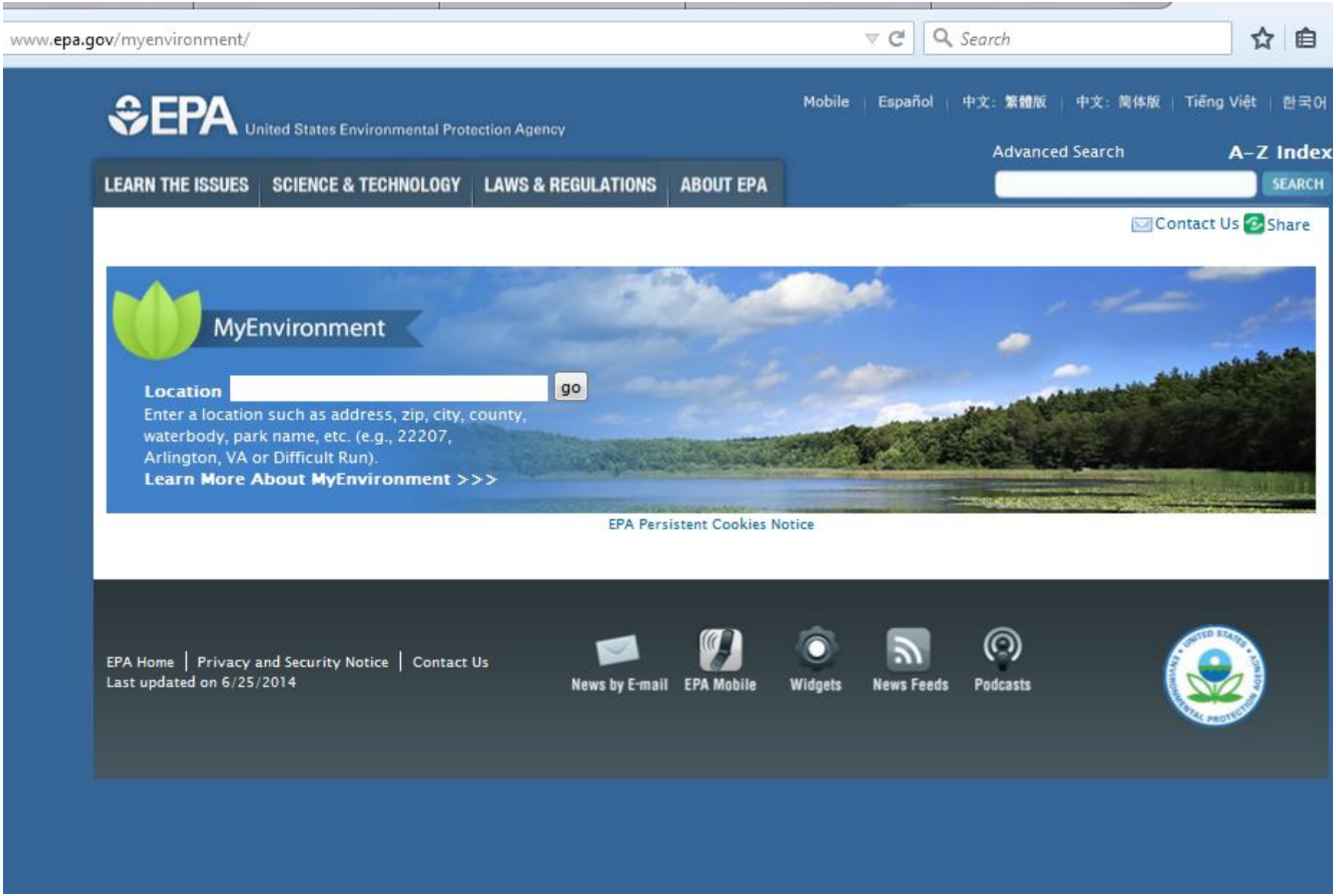
RCRA Overview

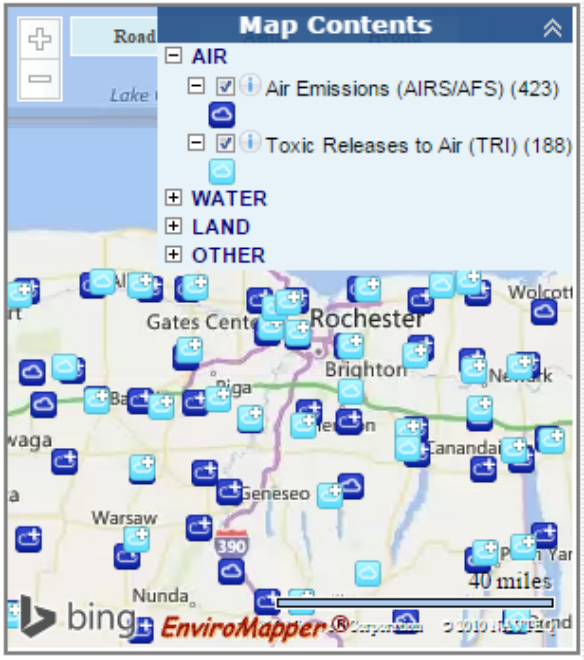
Resource Conservation and Recovery Act (RCRA): This act, which regulates land-based disposal of waste (and focuses on hazardous waste) has the goal of reducing waste and encouraging recycling. This is not a ban on land-based disposal, but rather a regulation thereof, which uses "manifests" and the "cradle-to-grave" tracking system. All hazardous waste must obtain an identification number, and be accompanied by a "manifest" which tracks the waste. Each time the waste changes hands, a copy is sent back, ensuring that everyone along the chain is informed, and preventing unidentified wastes from arriving at disposal facilities. A part of Environmental Law.

Title D: Solid Waste

Although RCRA is limited to solid wastes that are discarded, this is strangely interpreted. Under the statutory definition (42 USC § 6903(27)), solid waste is very broadly defined, and includes solids, sludge, liquid, semisolids, or contained gaseous material. In defining waste, the EPA was focused on actual waste, not materials that were still part of the manufacturing process (to avoid unnecessary interference with manufacturing). The EPA wanted to exclude (not regulate) real recycling, but didn't want to allow sham recycling to be backdoor to the statute. Thus, the EPA uses a 5 factor test to determine what is waste:

EPA: MyEnvironment





Rochester, NY

AIRNOW

Current: N/A

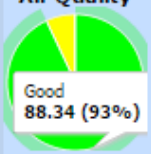
Forecast: Good

Monroe County, New York

AQI AIR QUALITY INDEX

April Average Data (2013 - Parts of 2014)

Air Quality



Pollutants	%
Ozone	88.3
PM2.5	11.7
PM10	0.0
SO2	0.0
NO2	0.0
CO	0.0

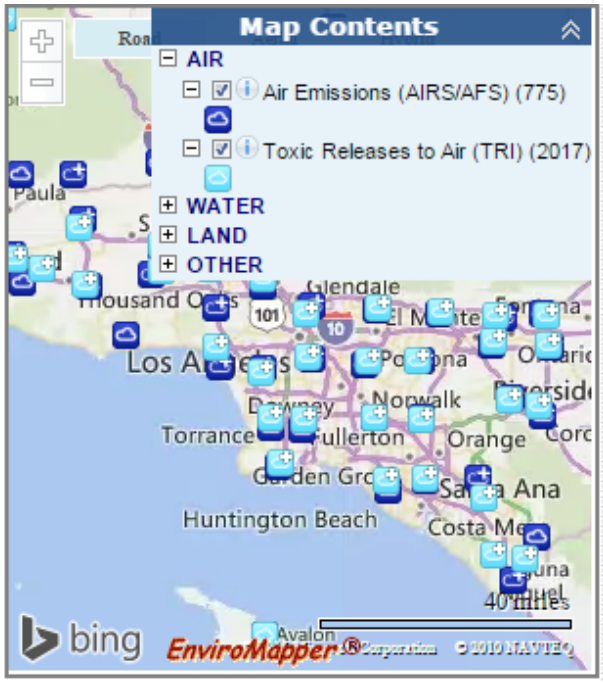
More pollutant info...

April Historical Data (2009-2012)

Air Quality

Pollutants	%
Ozone	87.4
PM2.5	11.8
PM10	0.0
SO2	0.9
NO2	0.0
CO	0.0

Monroe County



Central LA CO, CA

AIRNOW

Current: Good

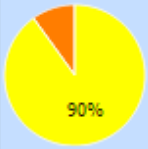
Forecast: Good

Los Angeles County, California

AQI AIR QUALITY INDEX

April Average Data (2013 - Parts of 2014)

Air Quality

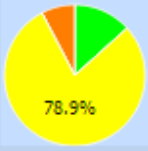


Pollutants	%
Ozone	10.0
PM2.5	23.3
PM10	3.3
SO2	16.7
NO2	73.3
CO	0.0

More pollutant info...

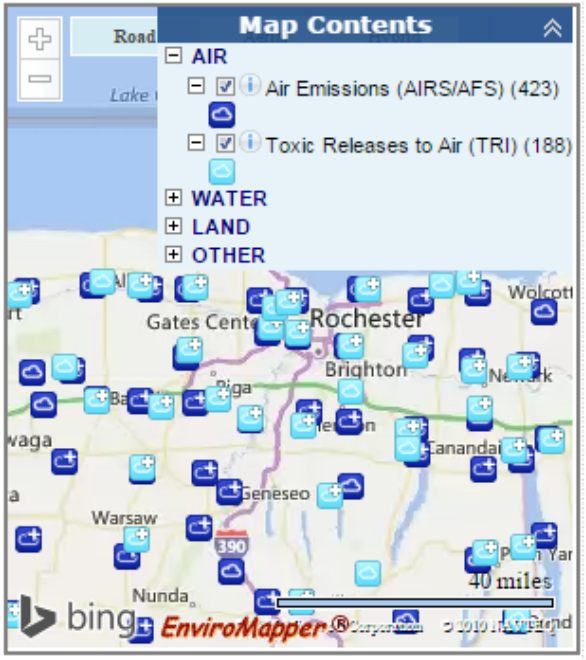
April Historical Data (2009-2012)

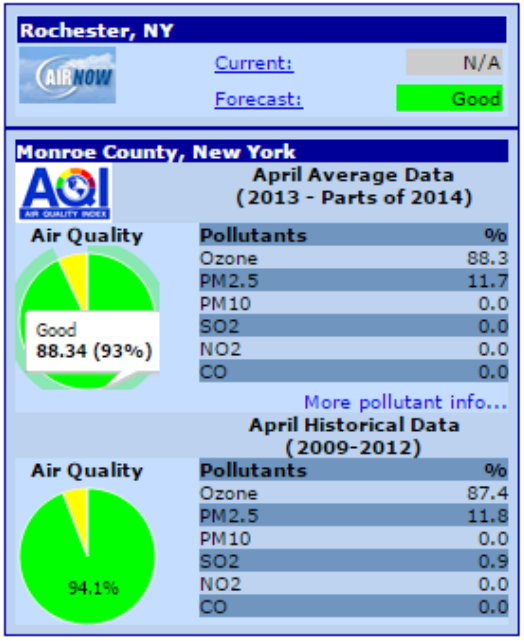
Air Quality



Pollutants	%
Ozone	30.0
PM2.5	38.3
PM10	0.0
SO2	0.0
NO2	31.7
CO	0.0

Los Angeles County

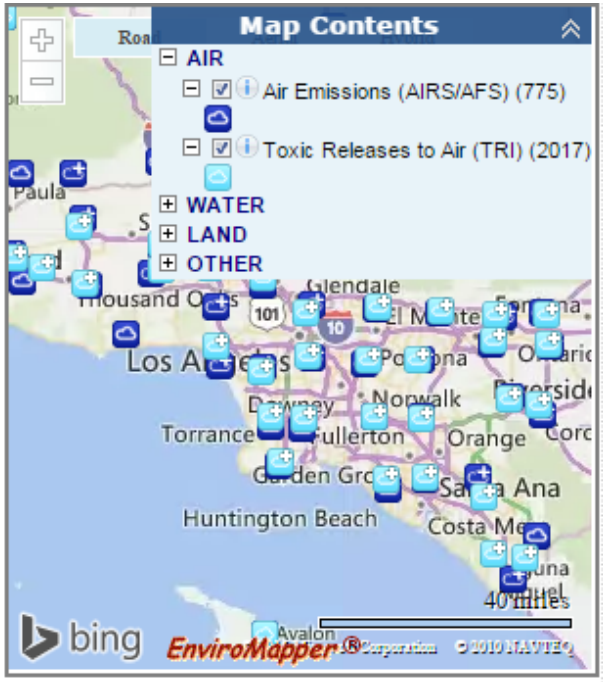


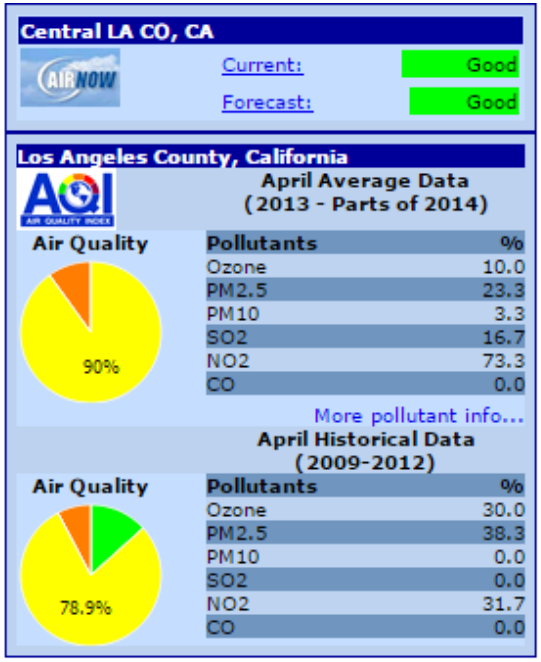


Historical Data

Monroe County

Toxic Releases: 188
Ozone: 87.4
Particulates 2.5: 11.8
Nitrogen Dioxide: 0





Los Angeles County

Toxic Releases: 2017
Ozone: 30%
Particulates 2.5: 38.3
Nitrogen Oxide: 31.7

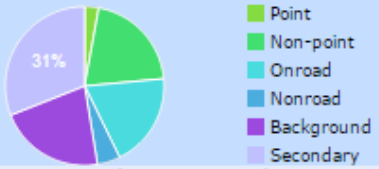
MyHealth

Toxic air pollutants, or air toxics, are those pollutants known or suspected of causing cancer or other serious health problems, such as birth defects. Not all air pollutants are considered – please visit the NATA Web site for more information on the 2005 NATA data.

2005 Cancer Risk Estimates (Inhalation)
Monroe County, New York
More air toxics info...

Total Risk Per Million: 44

Source Category Breakdown of Risk



Pollutant Contributions to Risk

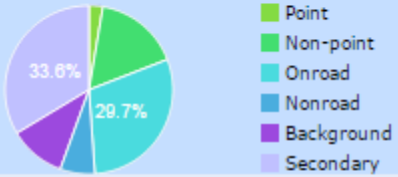
Pollutant	Percentage
Formaldehyde	33.41
Benzene	21.24
Naphthalene	8.24
Carbon tetrachloride	6.52
Acetaldehyde	5.43

click to get the whole list

2005 Cancer Risk Estimates (Inhalation)
Los Angeles County, California
More air toxics info...

Total Risk Per Million: 109

Source Category Breakdown of Risk



Pollutant Contributions to Risk

Pollutant	Percentage
Formaldehyde	50.54
Benzene	11.54
Naphthalene	6.87
Acetaldehyde	5.00
1,3-Butadiene	4.52

click to get the whole list

Monroe County (Rochester, NY)

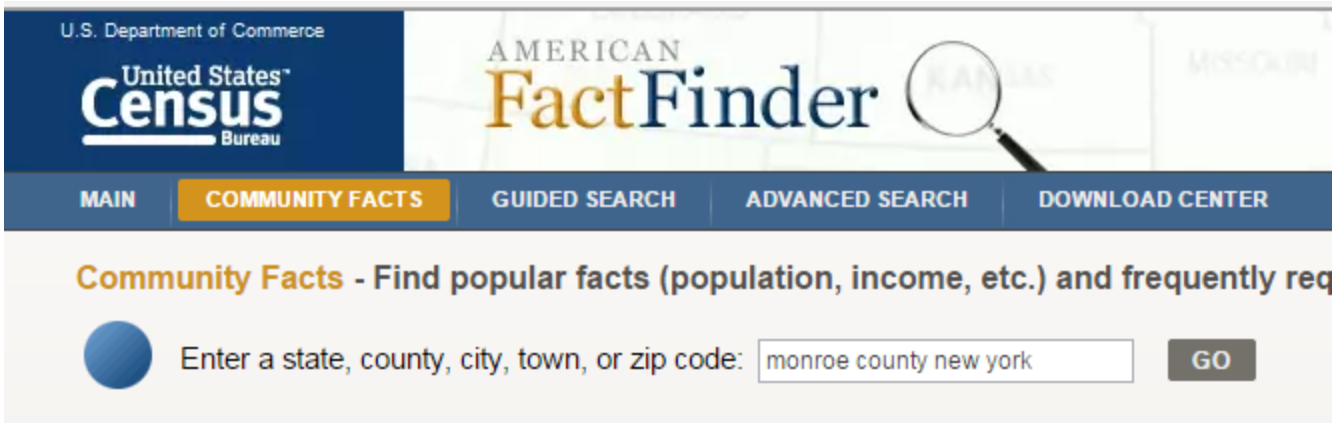
Total Risk Per Million: 44
Formaldehyde: 33.41%
Benzene: 21.24%

Los Angeles County

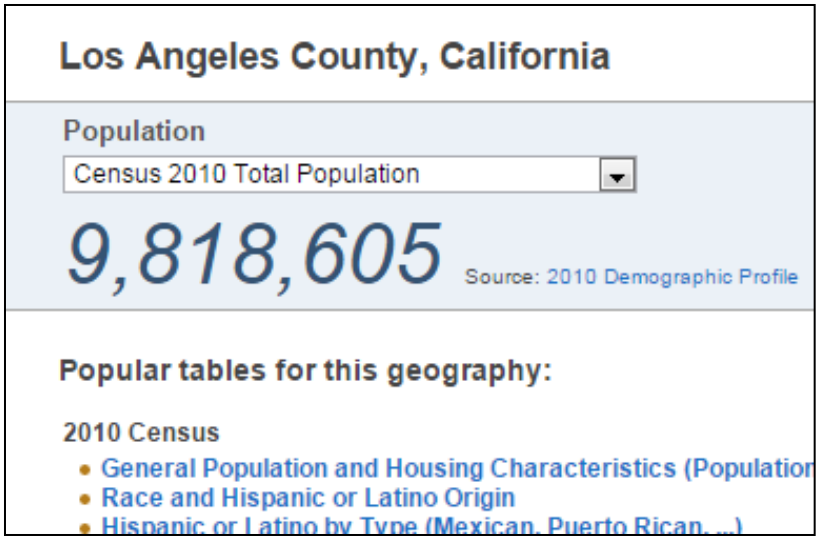
Total Risk Per Million: 109
Formaldehyde: 50.54
Benzene: 11.54

About Benzine: (from the CDC)

- Outdoor air contains low levels of benzene from tobacco smoke, gas stations, motor vehicle exhaust, and industrial emissions.
- Benzene can cause bone marrow not to produce enough red blood cells, which can lead to anemia. Also, it can damage the immune system.


U.S. Department of Commerce
United States Census Bureau
AMERICAN FactFinder
MAIN
COMMUNITY FACTS
GUIDED SEARCH
ADVANCED SEARCH
DOWNLOAD CENTER
Community Facts - Find popular facts (population, income, etc.) and frequently req
Enter a state, county, city, town, or zip code:
monroe county new york
GO


Monroe County, New York
We found more results for your geography search >>
Population
Census 2010 Total Population
744,344
Source: 2010 Demographic Profile
Popular tables for this geography:
2010 Census
General Population and Housing Characteristics (Population, A
Race and Hispanic or Latino Origin
Hispanic or Latino by Type (Mexican, Puerto Rican, ...)


Los Angeles County, California
Population
Census 2010 Total Population
9,818,605
Source: 2010 Demographic Profile
Popular tables for this geography:
2010 Census
General Population and Housing Characteristics (Population
Race and Hispanic or Latino Origin
Hispanic or Latino by Type (Mexican, Puerto Rican, ...)

My Green Apps

Note: EPA no longer updates this information, but it may be useful as a reference or resource.

Welcome to My Green Apps, your destination for 290 apps to help you understand and protect the environment. In addition to finding apps, you can see what app ideas people like best. You also can learn about EPA's Apps for the Environment Challenge, which was conducted in the summer of 2011. If you want to make a green app that uses EPA's data, check out Developer Central and Data Finder.

Find a green app!

Locate an existing green app

GO

Home | Education | Games | Energy | Transportation
Citizen Science | Sustainability | Health | Communities
OR

See the popular ideas!

The people have told us what ideas they want. See the results.

Featured Apps

1 2 3 4

CG Search

CGSearch is a mobile Green IT application that enables users across the U.S. to compare the air quality index, air pollutant levels, energy consumption of various

WeRecycle

WeRecycle is a platform to facilitate communication about waste between citizens and and their community.

AirStatus!

AirStatus is a notification network for individuals who want air quality updates for their local community.

Are you a developer?
Go to Developer Central ›

Suggest an Existing App!

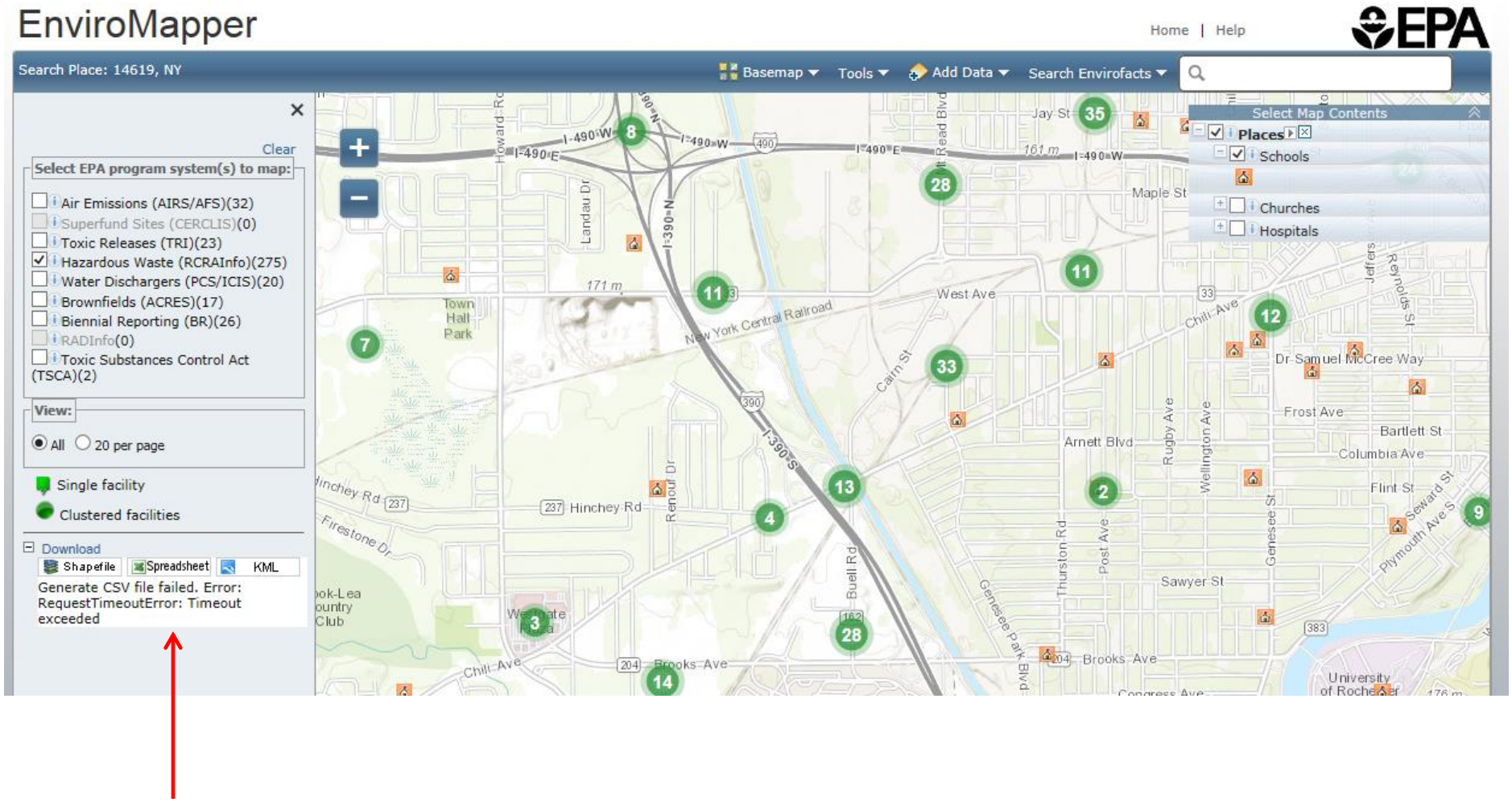
Suggest an Idea for an App!

Sign up to get messages and updates for the EPA App Developer Community:

Enter email address Go

Finding & Downloading Datasets

EnviroMapper Data Download



Envirofacts

TRI Home
Learn About TRI
TRI Resources
TRI Data and Tools
Reporting for Facilities
TRI Chemicals
Laws and Rulemakings
Get Involved in TRI
TRI Contacts
Site Map

2013 Toxics Release Inventory National Analysis

Supporting data files for the 2013 Toxics Release Inventory National Analysis (Excel):

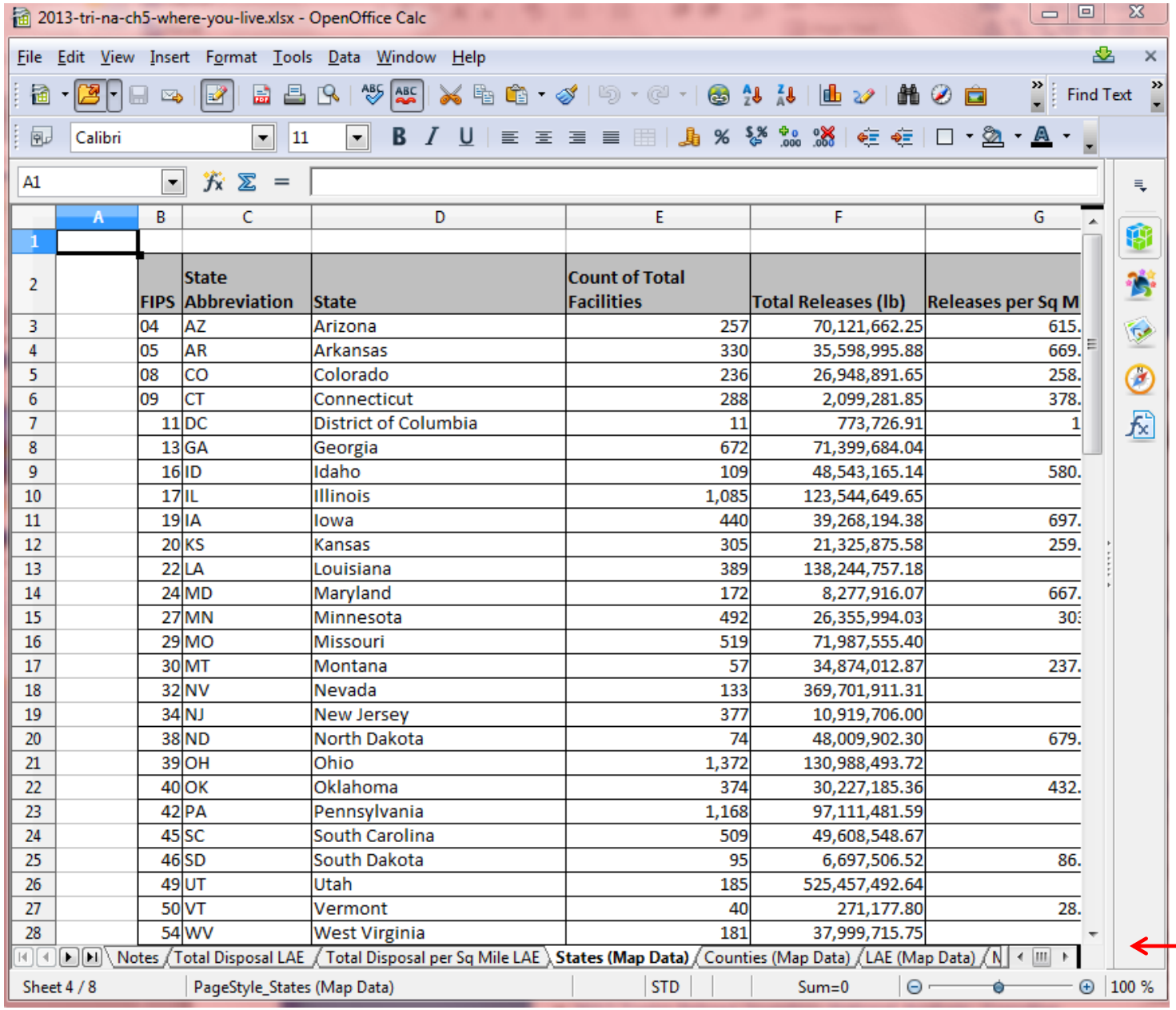
- 2013 Toxics Release Inventory National Analysis: Introduction (3 pp, 13 K)
- 2013 Toxics Release Inventory National Analysis: Pollution Prevention and Waste Management (pp, 33 K)
- 2013 Toxics Release Inventory National Analysis: Releases of Chemicals (25 pp, 42 K)
- 2013 Toxics Release Inventory National Analysis: Industry Sectors (12 pp, 31 K)
- 2013 Toxics Release Inventory National Analysis: Where You Live (8 pp, 762 K)
- 2013 Toxics Release Inventory National Analysis: TRI and Beyond (9 pp, 25 K)
- 2013 Toxics Release Inventory National Analysis: Electric Utilities Waste Rates (5 pp, 999 K)
- 2013 Toxics Release Inventory National Analysis: Additional P2 Data (13 pp, 4 MB)

The 2013 Toxics Release Inventory National Analysis, organized by chapter:

- 2013 Toxics Release Inventory National Analysis: Complete Report (PDF) (78 pp, 4 MB)
- 2013 Toxics Release Inventory National Analysis: Executive Summary (PDF) (3 pp, 421 K)
- 2013 Toxics Release Inventory National Analysis: Introduction (PDF) (3 pp, 319 K)

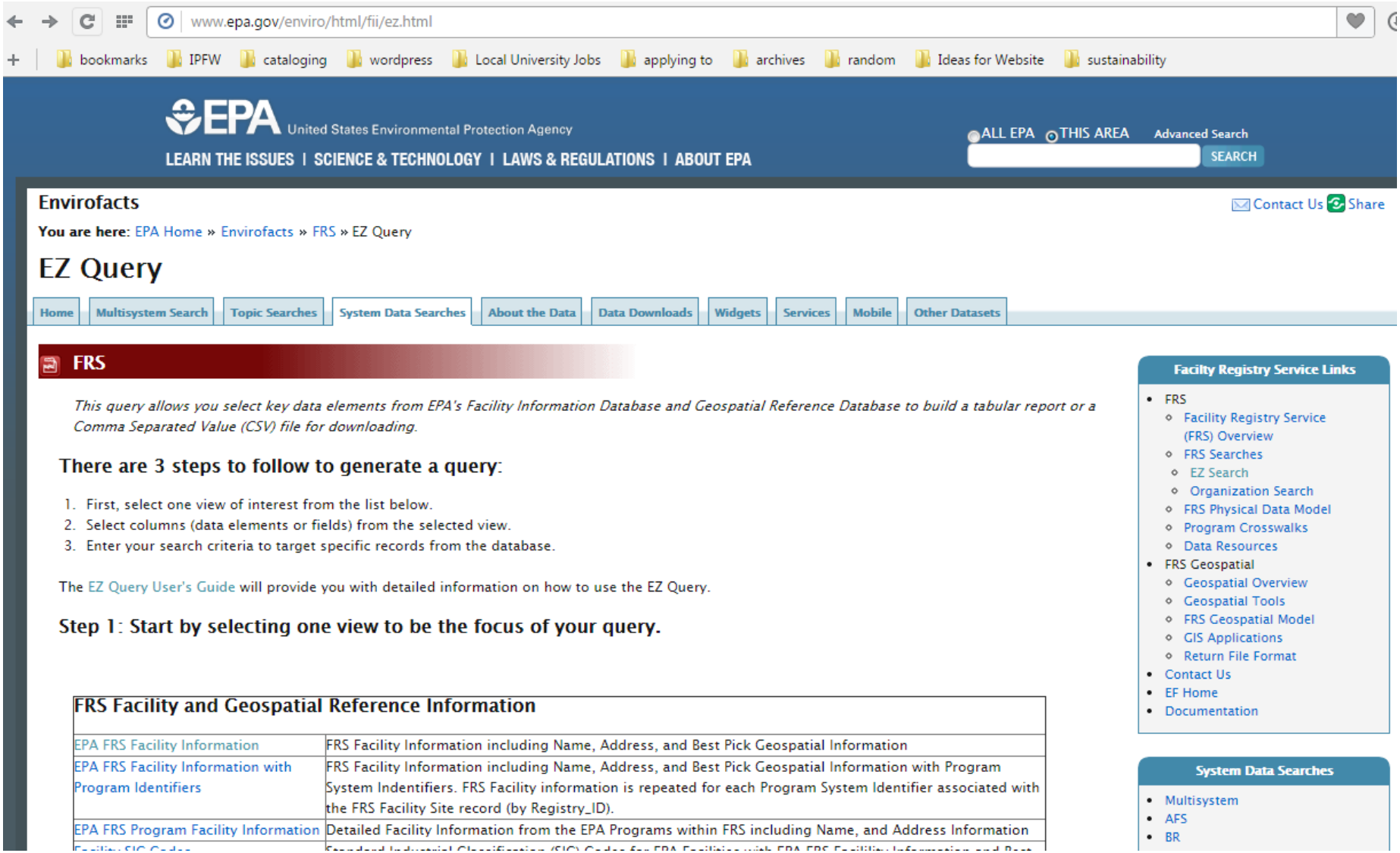
You will need Adobe Reader to view some of the files on this pag
See EPA's About PDF page to lea
more.

2013 Toxic Release Where You Live



FIPS	State Abbreviation	State	Count of Total Facilities	Total Releases (lb)	Releases per Sq M
04	AZ	Arizona	257	70,121,662.25	615.
05	AR	Arkansas	330	35,598,995.88	669.
08	CO	Colorado	236	26,948,891.65	258.
09	CT	Connecticut	288	2,099,281.85	378.
11	DC	District of Columbia	11	773,726.91	1
13	GA	Georgia	672	71,399,684.04	
16	ID	Idaho	109	48,543,165.14	580.
17	IL	Illinois	1,085	123,544,649.65	
19	IA	Iowa	440	39,268,194.38	697.
20	KS	Kansas	305	21,325,875.58	259.
22	LA	Louisiana	389	138,244,757.18	
24	MD	Maryland	172	8,277,916.07	667.
27	MN	Minnesota	492	26,355,994.03	30
29	MO	Missouri	519	71,987,555.40	
30	MT	Montana	57	34,874,012.87	237.
32	NV	Nevada	133	369,701,911.31	
34	NJ	New Jersey	377	10,919,706.00	
38	ND	North Dakota	74	48,009,902.30	679.
39	OH	Ohio	1,372	130,988,493.72	
40	OK	Oklahoma	374	30,227,185.36	432.
42	PA	Pennsylvania	1,168	97,111,481.59	
45	SC	South Carolina	509	49,608,548.67	
46	SD	South Dakota	95	6,697,506.52	86.
49	UT	Utah	185	525,457,492.64	
50	VT	Vermont	40	271,177.80	28.
54	WV	West Virginia	181	37,999,715.75	

Envirofacts EZ Query: Create Your Own Table in Three Steps



EZ Query Step One

FRS Facility and Geospatial Reference Information	
EPA FRS Facility Information	FRS Facility Information including Name, Address, and Best Pick Geospatial Information
EPA FRS Facility Information with Program Identifiers	FRS Facility Information including Name, Address, and Best Pick Geospatial Information with Program System Indentifiers. FRS Facility information is repeated for each Program System Identifier associated with the FRS Facility Site record (by Registry_ID).
EPA FRS Program Facility Information	Detailed Facility Information from the EPA Programs within FRS including Name, and Address Information
Facility SIC Codes	Standard Industrial Classification (SIC) Codes for EPA Facilities with EPA FRS Facilility Information and Best Pick Geospatial Information. Since a facility can be categorized by more than one SIC Code, the facility, latitude, and longitude information will be repeated for each SIC Code.
Facility NAICS Codes	North American Industry Classification System (NAICS) Codes for EPA Facilities with EPA FRS Facilility Information and Best Pick Geospatial Information. Since a facility can be categorized by more than one NAICS Code, the facility, latitude, and longitude information will be repeated for each NAICS Code.
ZIP Code Reference	Comprehensive list of ZIP Codes and the city, county, and Post Office names associated with those ZIP Codes, as provided by the United States Postal Service City State Product File.
Program Coordinates	Contains all program spatial data, associated facility name and address information, expanded spatial metadata code descriptions, spatially derived data, and the FRS facility representative point data for the parent facility.
FRS Facilities within and near Indian Tribes and Villages	EPA FRS Facility Information, Best Pick Geospatial Information, Tribal identifiers and distance to tribal boundaries for EPA Facilities in or within 25 miles of Alaskan Indian Village, Tribal Reservations, and Tribal Trust Land boundaries. Since a facility may be within or near more than one tribal boundary, facility information will be repeated for each tribe.
Program Facilities within and near Indian Tribes and Villages	EPA Program Facility Information, Best Pick Geospatial Information, Tribal identifiers and distance to tribal boundaries for EPA Program Facilities in or within 25 miles of Alaskan Indian Village, Tribal Reservations, and Tribal Trust Land boundaries. Since a facility may be within or near more than one tribal boundary, facility information will be repeated for each tribe.

EZ Query Step Two

http://oaspub.epa.gov/enviro/ez_frs_column.list?table_name=D_EF_FAC.V_FRS_FACILITY_SITE_GEO

Envirofacts

You are here: EPA Home » Envirofacts » Facility Registry Service (FRS) » FRS EZ Search

Selection of Columns for FRS EZ Query

Home | Multisystem Search | Topic Searches | System Data Searches | About the Data | Data Downloads | Widgets | Services | Mobile | Other Datasets

FRS

STEP 2: Select **TWO or more** column(s) for your output by clicking on the square box next to the column name.
When you are finished selecting columns, click on the **STEP 3**: **Enter Search Criteria**
button at the bottom of this page.

<< Return

Selection of Columns

☐	*	Select ALL columns listed below for output!
	Count Function for *. DO NOT SELECT THE COLUMN LOCATED DIRECTLY ABOVE IF YOU SELECT THIS COLUMN!	Counts the number of distinct records for the column above: You must select an additional column other than a group function! **HELP on STATISTICS!** ☐ COUNT
☑	REGISTRY_ID	The identification number assigned by the EPA Facility Registry System to uniquely identify a facility site.
	Count Function for REGISTRY_ID. DO NOT SELECT THE COLUMN LOCATED DIRECTLY ABOVE IF YOU SELECT THIS COLUMN!	Counts the number of distinct records for the column above: You must select an additional column other than a group function! **HELP on STATISTICS!** ☐ COUNT
☑	PRIMARY_NAME	The public or commercial name of a facility site (that is., the full name that commonly appears on invoices, signs, or other business documents, or as assigned by the state when the name is ambiguous).
☑	LOCATION_ADDRESS	The address that describes the physical (geographic) location of the front door or main entrance of a facility site, including urban-style street address or rural address.
☐	SUPPLEMENTAL_LOCATION	The text that provides additional information about a place, including a building name with its secondary unit and number, an industrial park name, an installation name or descriptive text where no formal address is available.
☐	CITY_NAME	The name of the city, town, village or other locality, when identifiable, within whose boundaries (the majority of) the facility site is located or the name of the city where the mail is delivered. The two are not always the same.
☑	COUNTY_NAME	The name of the U.S. county or county equivalent in which the facility site is physically located.
☐	FIPS_CODE	The code that represents the county or county equivalent and the state or state equivalent of the United States

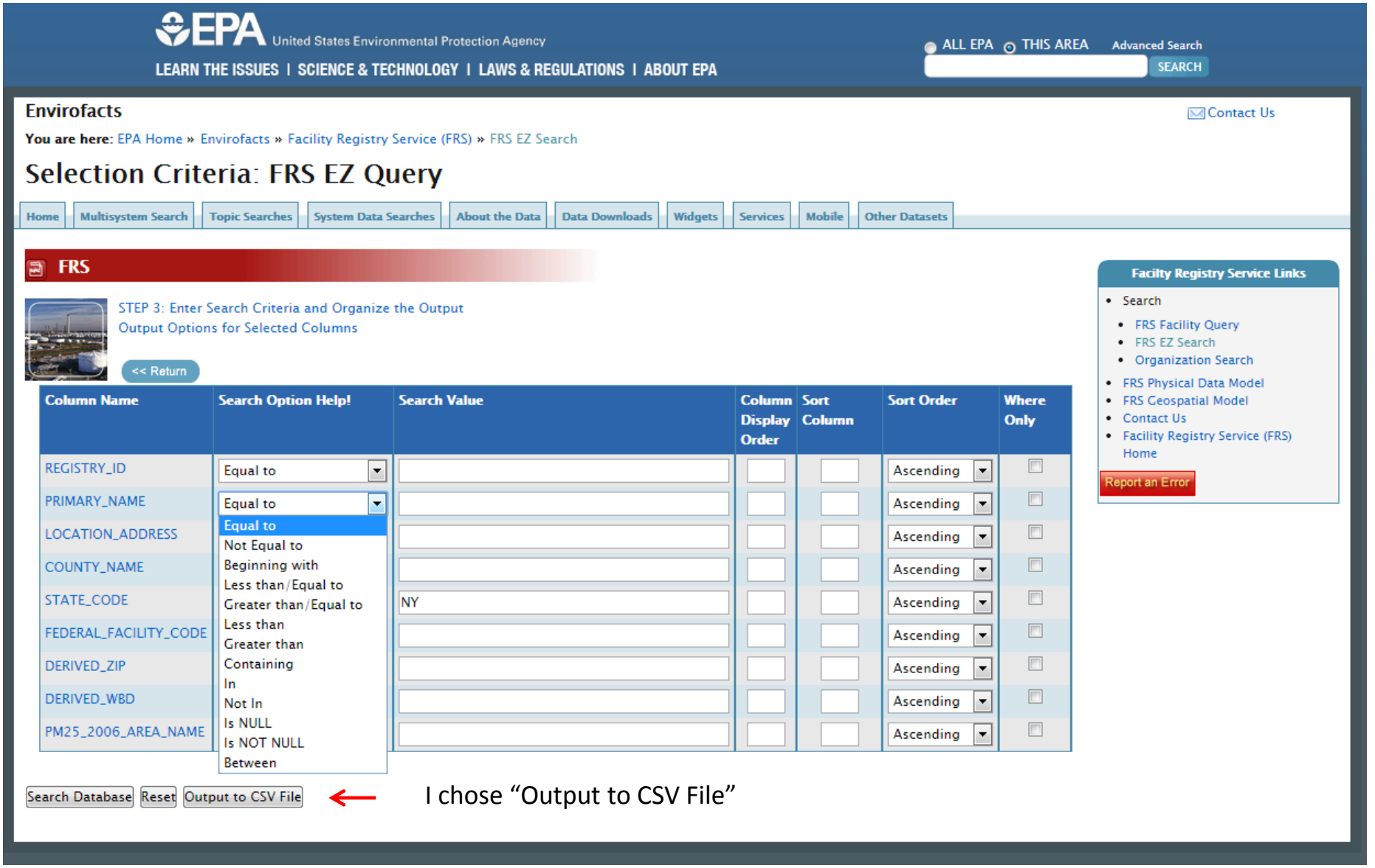
A long list of variables. And, at the bottom of the list (see next slide), several ozone and particulate variables.

EZ Query Step Two: Continued

(End of the list, showing several environment-relevant variables)

☐	SCALE	The number that represents the proportional distance on the ground for one unit of measure on the map or photo. Remarks: Mandatory for all horizontal data collection methods except for methods using Global Positioning System (GPS).
☐	ACCURACY_VALUE	The measure of the accuracy (in meters) of the latitude and longitude coordinates.
☐	ACCURACY_SCORE	The accuracy score (in meters) derived as the accuracy value either supplied by the location metadata or calculated based on the collection method and then modified based on QA boundary checks.
☐	DERIVED_CITY	The spatially derived city name.
☐	DERIVED_COUNTY	The spatially derived county name.
☑	DERIVED_ZIP	The spatially derived ZIP Code.
☐	DERIVED_STATE	The spatially derived State Code.
☐	DERIVED_FIPS	The spatially derived FIPS code.
☐	DERIVED_HUC	The spatially derived 8-digit Hydrologic Unit Code (HUC) that represents a geographic area representing part or all of a surface drainage basin, a combination of drainage basins, or a distinct hydrologic feature.
☑	DERIVED_WBD	The spatially derived 12-digit Hydrologic Unit Code (HUC) from the Watershed Boundary Dataset (WBD) that represents a geographic area representing part or all of a surface drainage basin, a combination of drainage basins, or a distinct hydrologic feature.
☐	DERIVED_CB_2010	The spatially derived 2010 Census Block Code, which represents the smallest entity for which the Census Bureau collects and tabulates decennial census information; bounded on all sides by visible and nonvisible features shown on Census Bureau maps.
☐	DERIVED_CD_113	The number that represents the 113th Congressional District for a state within the United States.
☐	US_MEXICO_BORDER_IND	Based on the facility's spatial coordinate, a "Y" value indicates that the facility is within 100KM (62.5 Miles) of the US-Mexico border.
☐	OZONE_8HR_1997_AREA_NAME	The 8-hour Ozone (1997) non-attainment area name, spatially derived from the Air Green Book.
☐	PB_2008_AREA_NAME	The Lead 2008 non-attainment area name, spatially derived from the Air Green Book.
☐	PM25_1997_AREA_NAME	The Particulate Matter 2.5 (1997) non-attainment area name, spatially derived from the Air Green Book.
☑	PM25_2006_AREA_NAME	The Particulate Matter 2.5 (2006) non-attainment area name, spatially derived from the Air Green Book.
☐	OZONE_8HR_2008_AREA_NAME	The 8-hour Ozone (2008) non-attainment area name, spatially derived from the Air Green Book.

EZ Query Step Three



I chose “Output to CSV File”

Maximum Result List of 100,000 rows

Envirofacts

You are here: EPA Home » Envirofacts » Facility Registry Service (FRS) » FRS EZ Search

FRS EZ Query Results

Home | Multisystem Search | Topic Searches | System Data Searches | About the Data | Data Dow

FRS

Page No. 1

STATE_CODE Equal to NY

<< Return

ERROR! You selected the CSV output option which has a maximum output of 100,000 rows. selection page and refine your query!

News Feeds | Podcasts | EPA Mobile | News by E-mail | Widgets

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EZ Query Step Three:

Narrowed Search By Zip Code

Envirofacts

You are here: EPA Home » Envirofacts » Facility Registry Service (FRS) » FRS EZ Search

Selection Criteria: FRS EZ Query

Home | Multisystem Search | Topic Searches | System Data Searches | About the Data | Data Downloads | Widgets | Services | Mobile | Other Datasets

FRS

STEP 3: Enter Search Criteria and Organize the Output

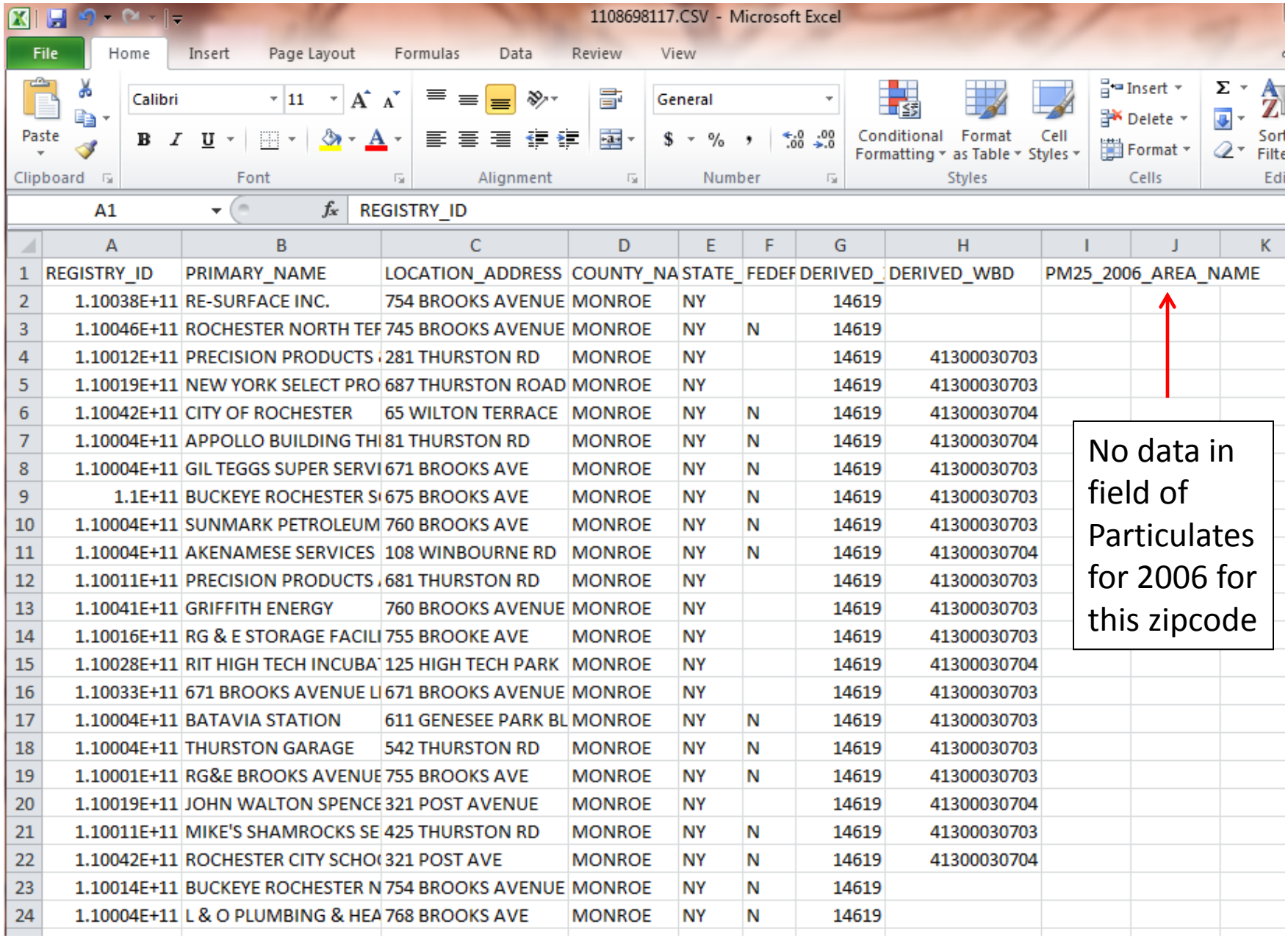
Output Options for Selected Columns

<< Return

Column Name	Search Option Help!	Search Value	Column Display Order	Sort Column	Sort Order	Where Only
REGISTRY_ID	Equal to				Ascending	
PRIMARY_NAME	Equal to				Ascending	
LOCATION_ADDRESS	Equal to				Ascending	
COUNTY_NAME	Equal to				Ascending	
STATE_CODE	Equal to	NY			Ascending	
FEDERAL_FACILITY_CODE	Equal to				Ascending	
DERIVED_ZIP	Equal to	14619			Ascending	
DERIVED_WBD	Equal to				Ascending	
PM25_2006_AREA_NAME	Equal to				Ascending	

Search Database | Reset | Output to CSV File

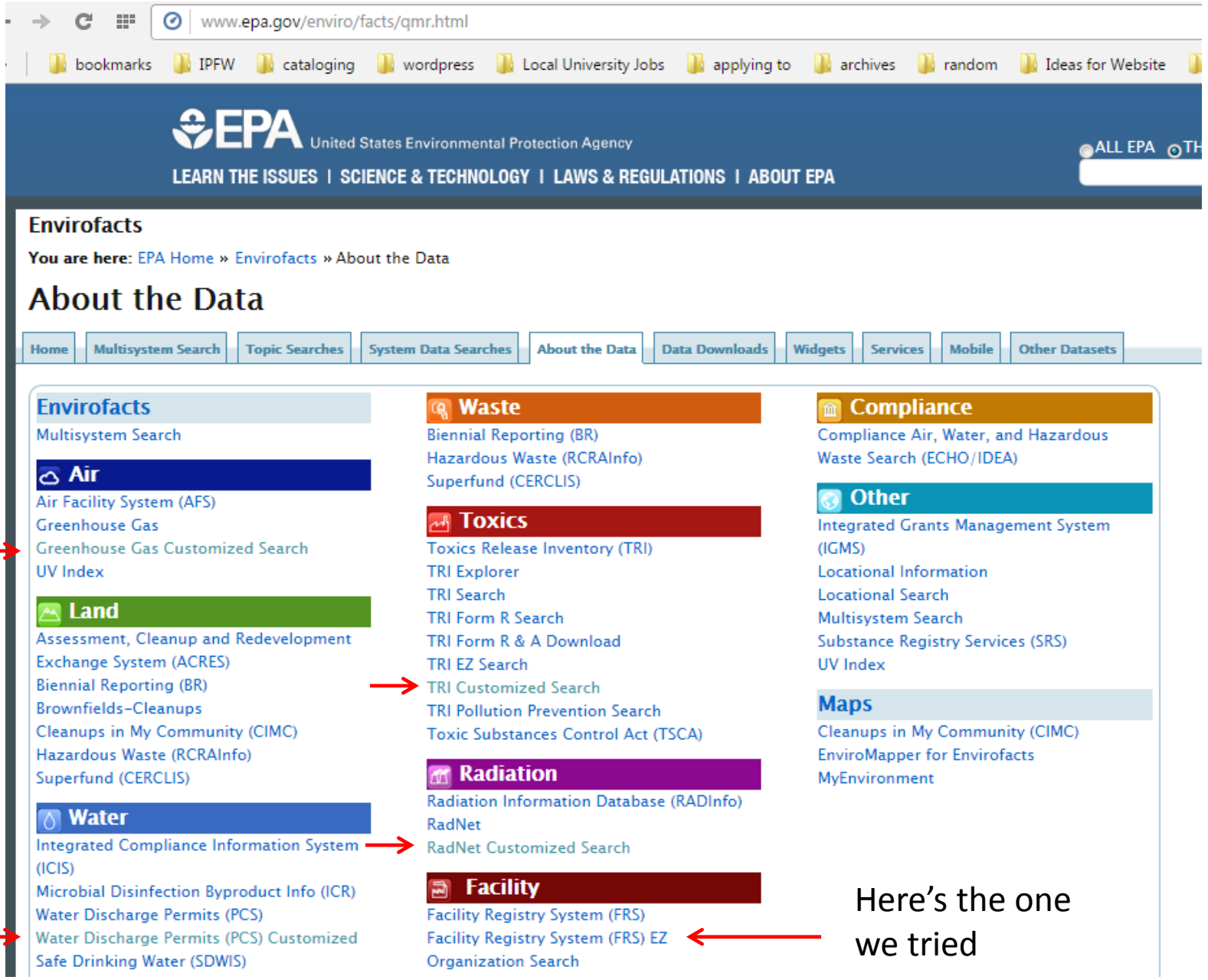
Results in CSV



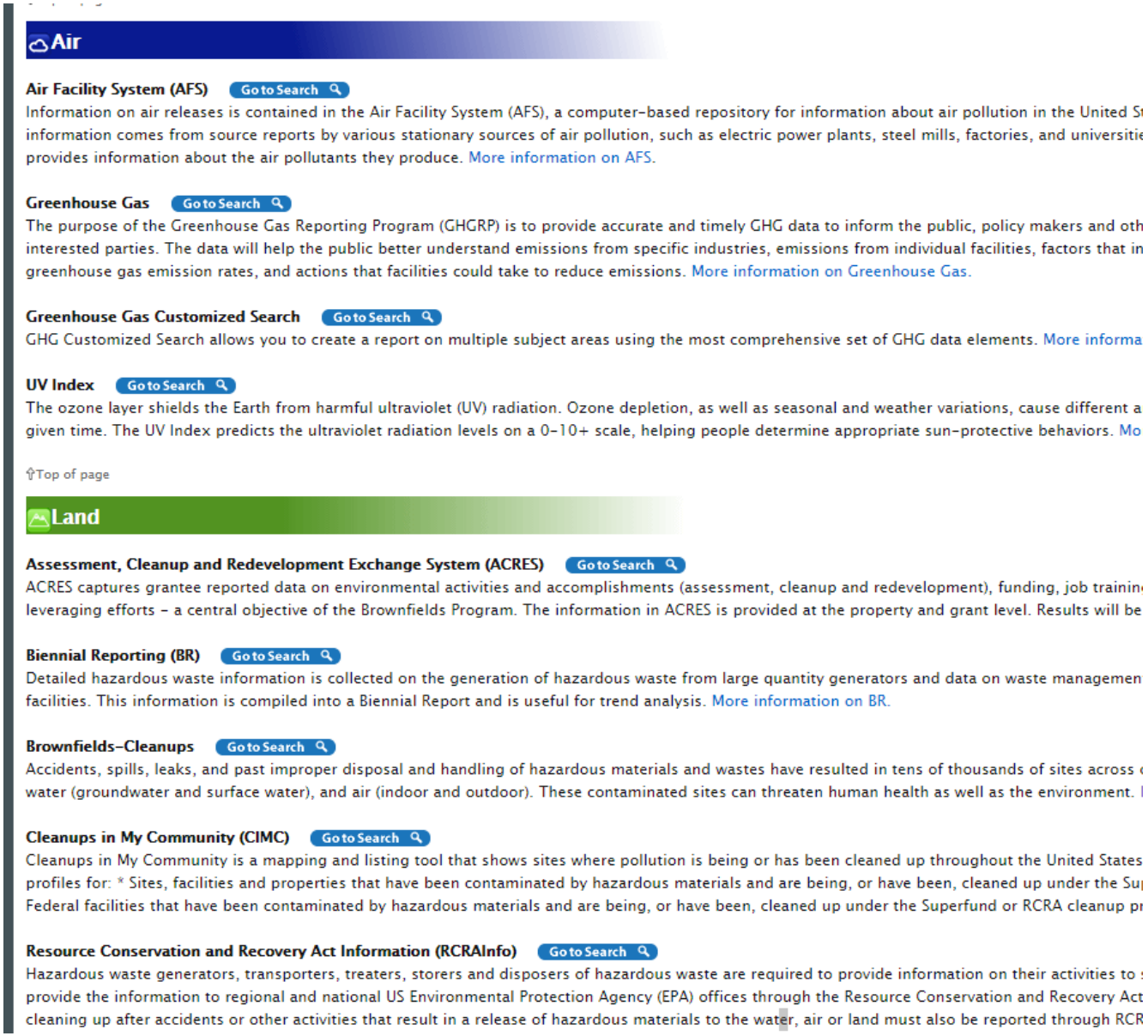
	A	B	C	D	E	F	G	H	I	J	K
1	REGISTRY_ID	PRIMARY_NAME	LOCATION_ADDRESS	COUNTY_NA	STATE_	FEDEF	DERIVED_	DERIVED_WBD	PM25_2006_AREA_NAME		
2	1.10038E+11	RE-SURFACE INC.	754 BROOKS AVENUE	MONROE	NY		14619				
3	1.10046E+11	ROCHESTER NORTH TEF	745 BROOKS AVENUE	MONROE	NY	N	14619				
4	1.10012E+11	PRECISION PRODUCTS	281 THURSTON RD	MONROE	NY		14619	41300030703			
5	1.10019E+11	NEW YORK SELECT PRO	687 THURSTON ROAD	MONROE	NY		14619	41300030703			
6	1.10042E+11	CITY OF ROCHESTER	65 WILTON TERRACE	MONROE	NY	N	14619	41300030704			
7	1.10004E+11	APPOLLO BUILDING THI	81 THURSTON RD	MONROE	NY	N	14619	41300030704			
8	1.10004E+11	GIL TEGGS SUPER SERVI	671 BROOKS AVE	MONROE	NY	N	14619	41300030703			
9	1.1E+11	BUCKEYE ROCHESTER S	675 BROOKS AVE	MONROE	NY	N	14619	41300030703			
10	1.10004E+11	SUNMARK PETROLEUM	760 BROOKS AVE	MONROE	NY	N	14619	41300030703			
11	1.10004E+11	AKENAMESE SERVICES	108 WINBOURNE RD	MONROE	NY	N	14619	41300030704			
12	1.10011E+11	PRECISION PRODUCTS	681 THURSTON RD	MONROE	NY		14619	41300030703			
13	1.10041E+11	GRIFFITH ENERGY	760 BROOKS AVENUE	MONROE	NY		14619	41300030703			
14	1.10016E+11	RG & E STORAGE FACILI	755 BROOKE AVE	MONROE	NY		14619	41300030703			
15	1.10028E+11	RIT HIGH TECH INCUBA	125 HIGH TECH PARK	MONROE	NY		14619	41300030704			
16	1.10033E+11	671 BROOKS AVENUE LI	671 BROOKS AVENUE	MONROE	NY		14619	41300030703			
17	1.10004E+11	BATAVIA STATION	611 GENESEE PARK BL	MONROE	NY	N	14619	41300030703			
18	1.10004E+11	THURSTON GARAGE	542 THURSTON RD	MONROE	NY	N	14619	41300030703			
19	1.10001E+11	RG&E BROOKS AVENUE	755 BROOKS AVE	MONROE	NY	N	14619	41300030703			
20	1.10019E+11	JOHN WALTON SPENCE	321 POST AVENUE	MONROE	NY		14619	41300030704			
21	1.10011E+11	MIKE'S SHAMROCKS SE	425 THURSTON RD	MONROE	NY	N	14619	41300030703			
22	1.10042E+11	ROCHESTER CITY SCHO	321 POST AVE	MONROE	NY	N	14619	41300030704			
23	1.10014E+11	BUCKEYE ROCHESTER N	754 BROOKS AVENUE	MONROE	NY	N	14619				
24	1.10004E+11	L & O PLUMBING & HEA	768 BROOKS AVE	MONROE	NY	N	14619				

No data in field of Particulates for 2006 for this zipcode

EnviroFacts: Customized Searches For Air, Water, Toxics, Etc.



EnviroFacts: Scroll Down for Descriptions of Each Data Source



Air

Air Facility System (AFS) Go to Search

Information on air releases is contained in the Air Facility System (AFS), a computer-based repository for information about air pollution in the United St information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universitie provides information about the air pollutants they produce. More information on AFS.

Greenhouse Gas Go to Search

The purpose of the Greenhouse Gas Reporting Program (GHGRP) is to provide accurate and timely GHG data to inform the public, policy makers and oth interested parties. The data will help the public better understand emissions from specific industries, emissions from individual facilities, factors that in greenhouse gas emission rates, and actions that facilities could take to reduce emissions. More information on Greenhouse Gas.

Greenhouse Gas Customized Search Go to Search

GHG Customized Search allows you to create a report on multiple subject areas using the most comprehensive set of GHG data elements. More informa

UV Index Go to Search

The ozone layer shields the Earth from harmful ultraviolet (UV) radiation. Ozone depletion, as well as seasonal and weather variations, cause different a given time. The UV Index predicts the ultraviolet radiation levels on a 0-10+ scale, helping people determine appropriate sun-protective behaviors. Mo

Top of page

Land

Assessment, Cleanup and Redevelopment Exchange System (ACRES) Go to Search

ACRES captures grantee reported data on environmental activities and accomplishments (assessment, cleanup and redevelopment), funding, job trainin leveraging efforts – a central objective of the Brownfields Program. The information in ACRES is provided at the property and grant level. Results will be

Biennial Reporting (BR) Go to Search

Detailed hazardous waste information is collected on the generation of hazardous waste from large quantity generators and data on waste managemen facilities. This information is compiled into a Biennial Report and is useful for trend analysis. More information on BR.

Brownfields-Cleanups Go to Search

Accidents, spills, leaks, and past improper disposal and handling of hazardous materials and wastes have resulted in tens of thousands of sites across water (groundwater and surface water), and air (indoor and outdoor). These contaminated sites can threaten human health as well as the environment.

Cleanups in My Community (CIMC) Go to Search

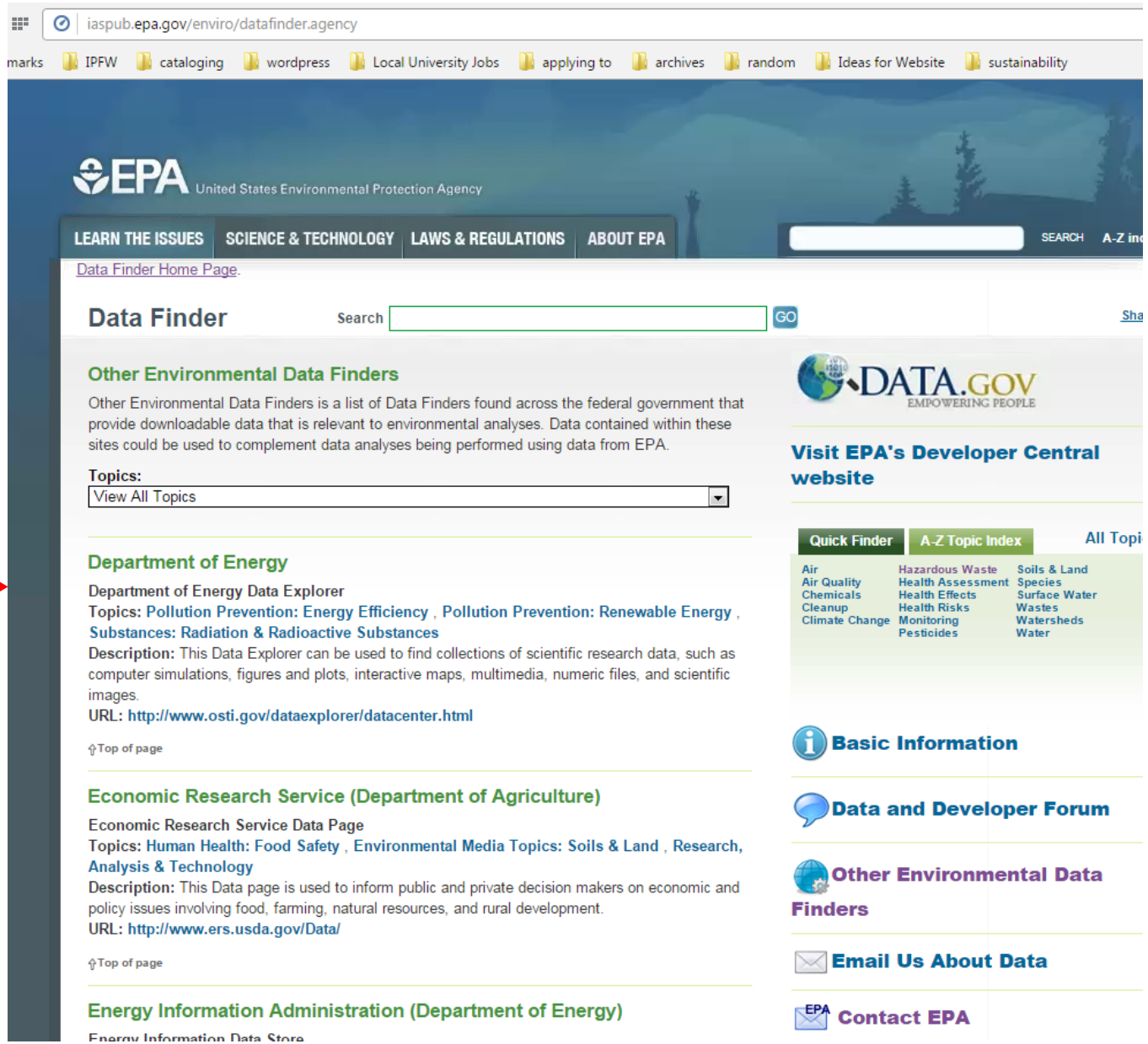
Cleanups in My Community is a mapping and listing tool that shows sites where pollution is being or has been cleaned up throughout the United States profiles for: * Sites, facilities and properties that have been contaminated by hazardous materials and are being, or have been, cleaned up under the Su Federal facilities that have been contaminated by hazardous materials and are being, or have been, cleaned up under the Superfund or RCRA cleanup pr

Resource Conservation and Recovery Act Information (RCRAInfo) Go to Search

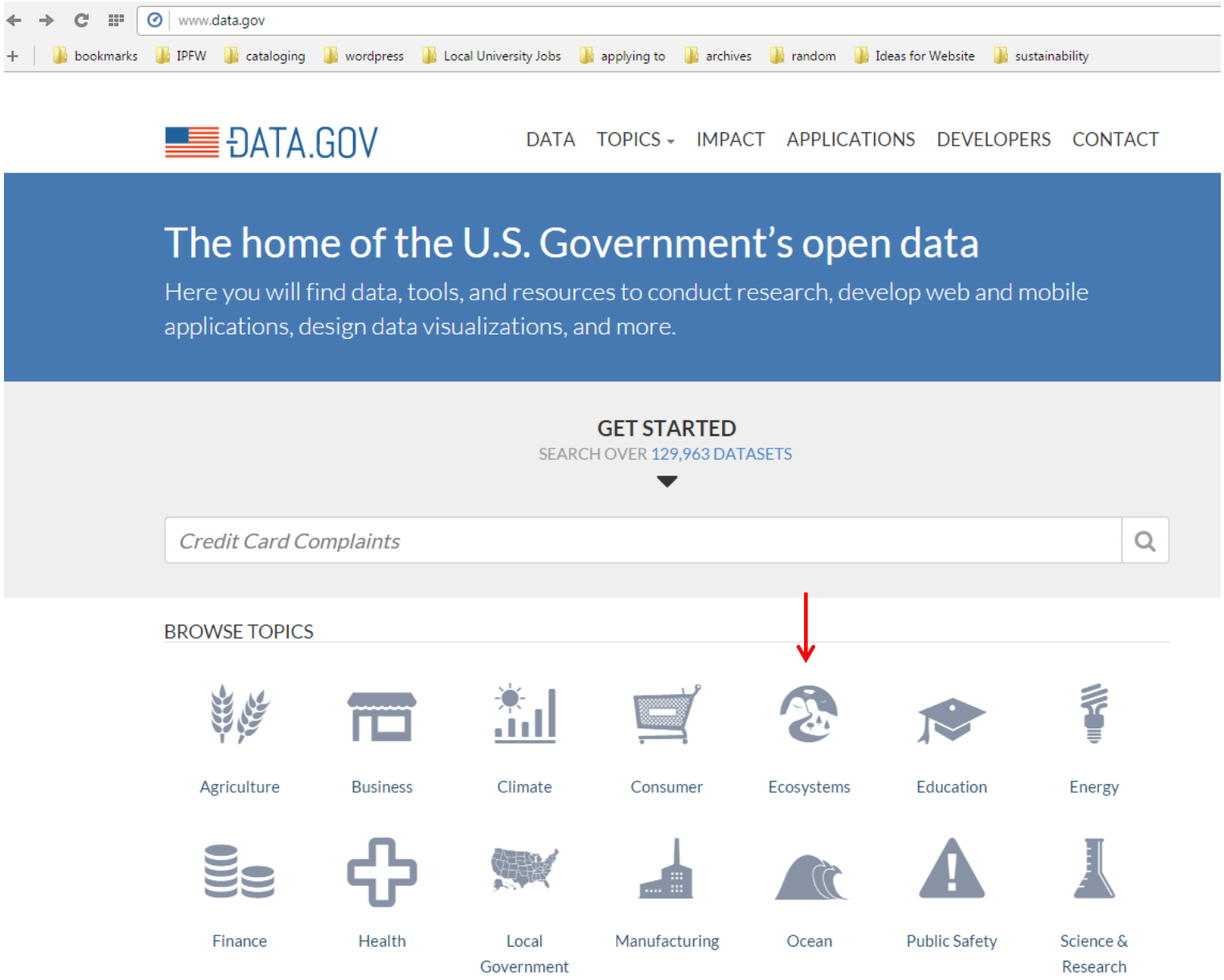
Hazardous waste generators, transporters, treaters, storers and disposers of hazardous waste are required to provide information on their activities to provide the information to regional and national US Environmental Protection Agency (EPA) offices through the Resource Conservation and Recovery Act cleaning up after accidents or other activities that result in a release of hazardous materials to the water, air or land must also be reported through RCR

Data Finder (By Agency)

Some of these links didn't work for me.



data.gov


www.data.gov
bookmarks
IPFW
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Local University Jobs
applying to
archives
random
Ideas for Website
sustainability
DATA.GOV
DATA
TOPICS
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CONTACT
The home of the U.S. Government's open data
Here you will find data, tools, and resources to conduct research, develop web and mobile applications, design data visualizations, and more.
GET STARTED
SEARCH OVER 129,963 DATASETS
Credit Card Complaints
BROWSE TOPICS
Agriculture
Business
Climate
Consumer
Ecosystems
Education
Energy
Finance
Health
Local Government
Manufacturing
Ocean
Public Safety
Science & Research

Data.Gov: Ecosystems

ECOSYSTEMS

EcoINFORMA | Data Hubs | Data Catalog | Map Viewer | Related Topics | Contact Ecosystems

Discover and explore data resources on ecosystems and biodiversity, including ecosystem components, functions, and services.

HIGHLIGHTS

Biodiversity Resource Hub

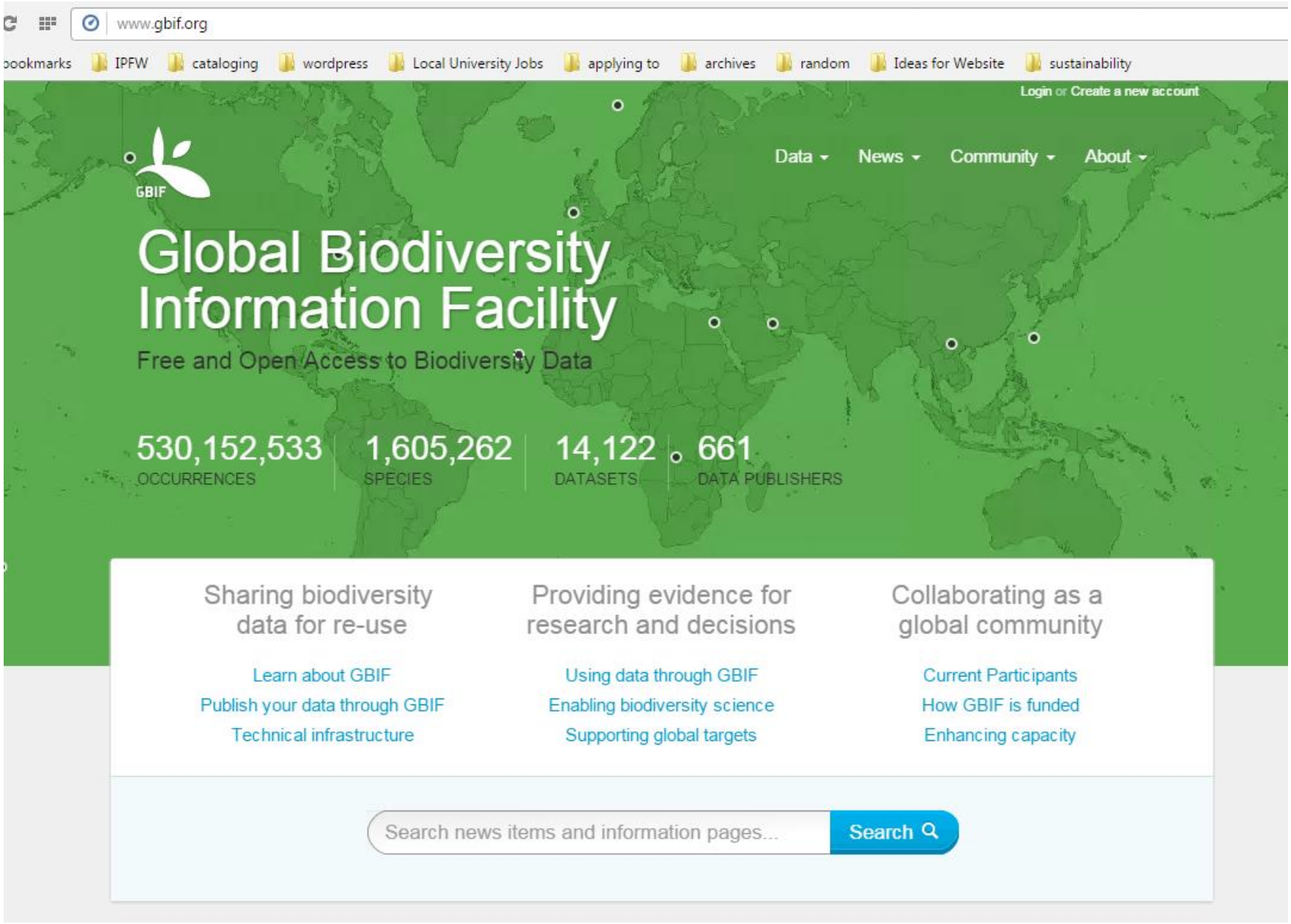
Ecosystem Services Resource Hub

Land Cover Dynamics Resource Hub

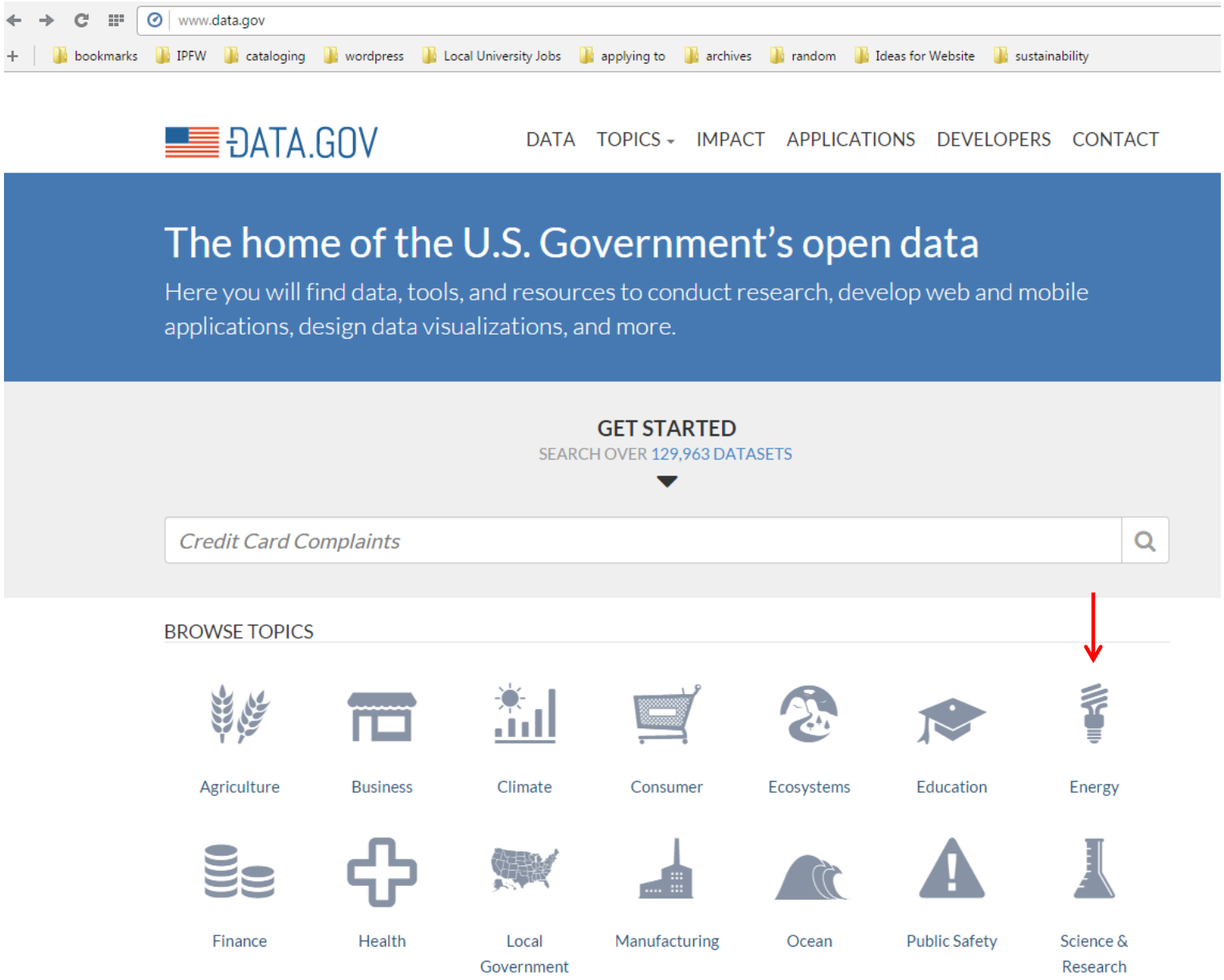
USGS: Biodiversity

For more info, try:
http://neipm.cce.cornell.edu/neipm/assets/File/BMSB%20Resources/BMSB-IWG-Jun-2014/Bugs-and-BISON.pdf

Global Biodiversity Info Facility (GBIF).org



data.gov


www.data.gov
bookmarks
IPFW
cataloging
wordpress
Local University Jobs
applying to
archives
random
Ideas for Website
sustainability
DATA.GOV
DATA
TOPICS
IMPACT
APPLICATIONS
DEVELOPERS
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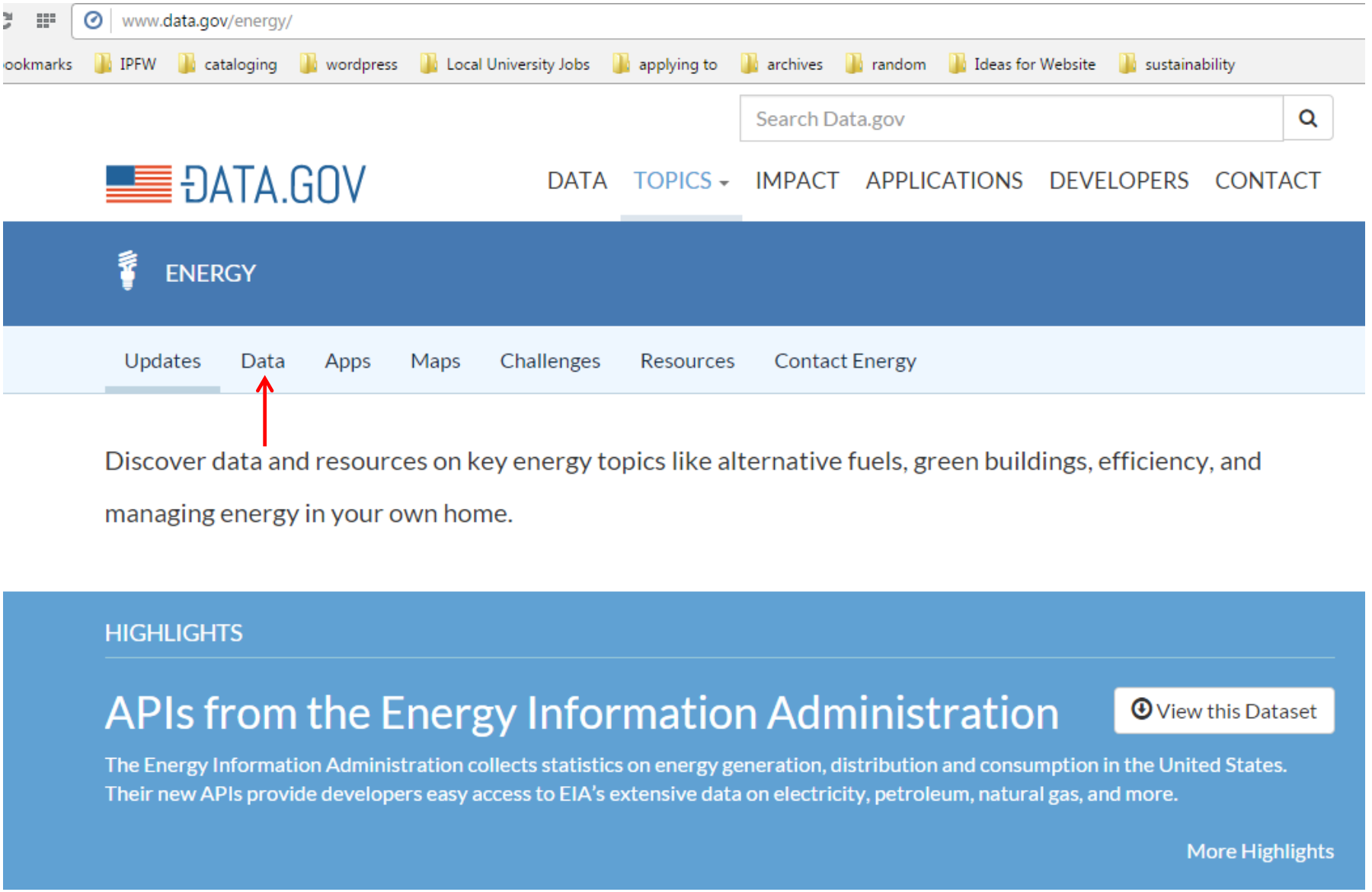
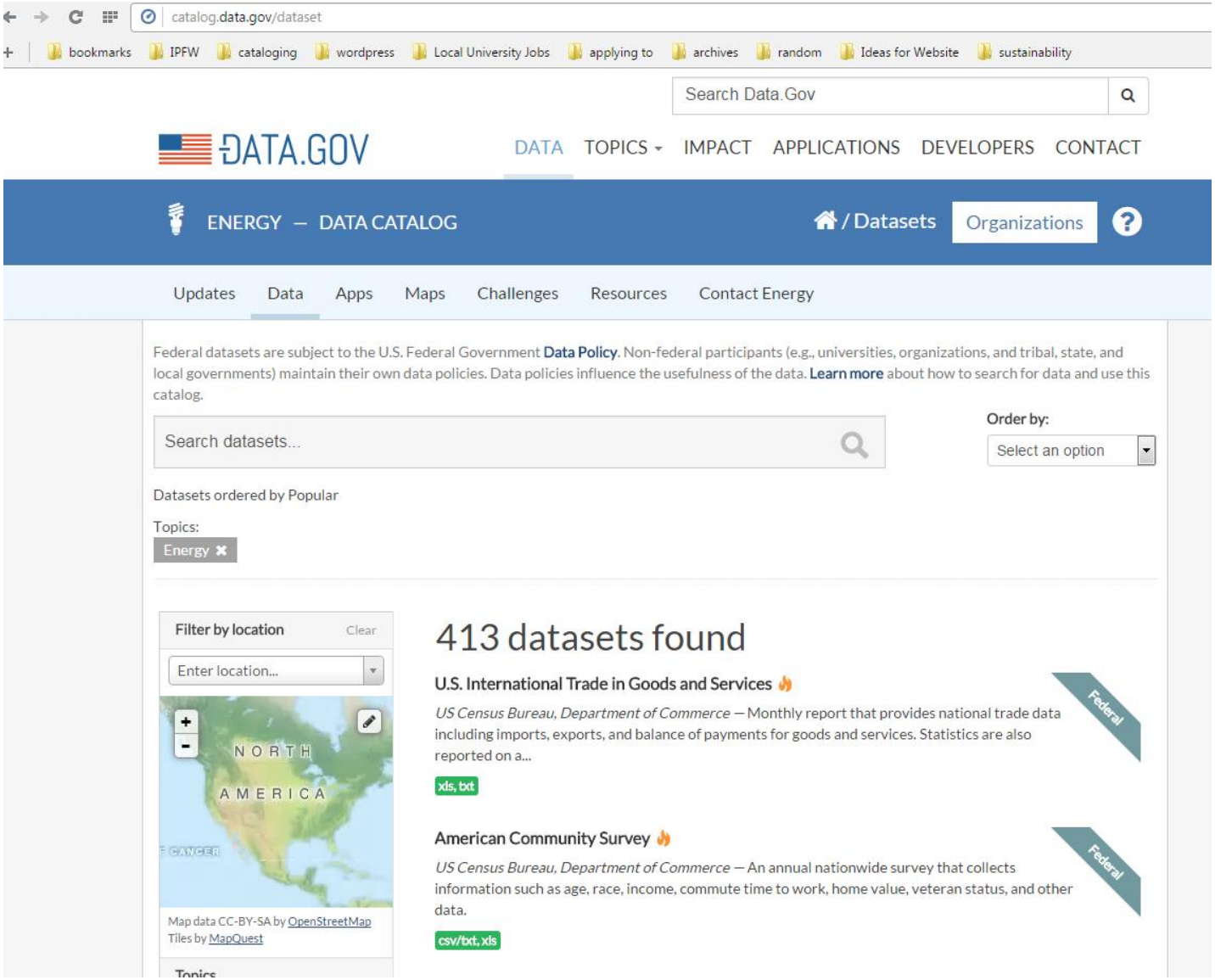
The home of the U.S. Government's open data
Here you will find data, tools, and resources to conduct research, develop web and mobile applications, design data visualizations, and more.
GET STARTED
SEARCH OVER 129,963 DATASETS
Credit Card Complaints
BROWSE TOPICS
Agriculture
Business
Climate
Consumer
Ecosystems
Education
Energy
Finance
Health
Local Government
Manufacturing
Ocean
Public Safety
Science & Research

Data.Gov: Energy

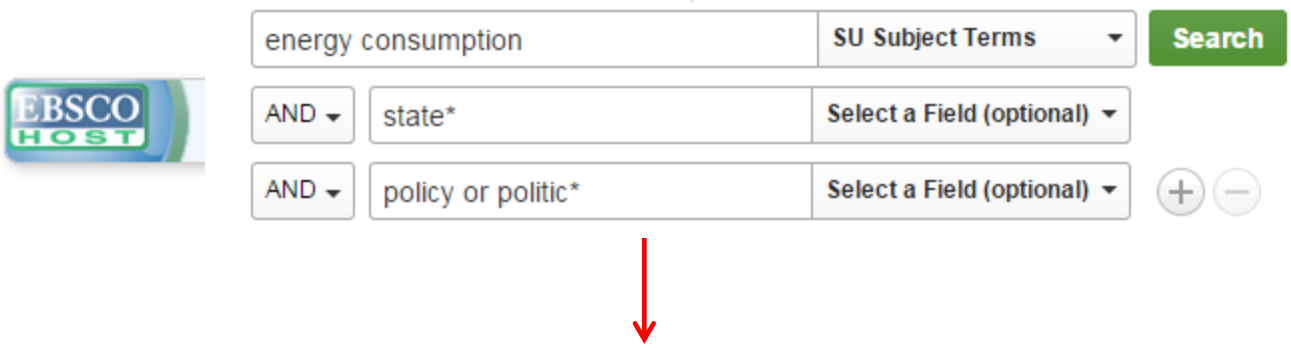


Data.Gov: Energy – Data Catalog



Searching the Scholarly Literature

Searching the Scholarly Literature: A Useful Way to Find Data



OPEN ACCESS Freely available online

PLOS ONE

Does Size Matter? Scaling of CO_2 Emissions and U.S. Urban Areas

Michail Fragkias[1]*, José Lobo[2], Deborah Strumsky[3], Karen C. Seto[4]

1 Department of Economics, Boise State University, Boise, Idaho, United States of America, **2** School of Sustainability, Arizona State University, Tempe, Arizona, United States of America, **3** Department of Geography & Earth Sciences, University of North Carolina-Charlotte, Charlotte, North Carolina, United States of America, **4** Yale School of Forestry & Environmental Studies, Yale University, New Haven, Connecticut, United States of America

Abstract

Urban areas consume more than 66% of the world's energy and generate more than 70% of global greenhouse gas emissions. With the world's population expected to reach 10 billion by 2100, nearly 90% of whom will live in urban areas, a critical question for planetary sustainability is how the size of cities affects energy use and carbon dioxide (CO_2) emissions. Are larger cities more energy and emissions efficient than smaller ones? Do larger cities exhibit gains from economies of scale with regard to emissions? Here we examine the relationship between city size and CO_2 emissions for U.S. metropolitan areas using a production accounting allocation of emissions. We find that for the time period of 1999–2008, CO_2 emissions scale proportionally with urban population size. Contrary to theoretical expectations, larger cities are not more emissions efficient than smaller ones.

Citation: Fragkias M, Lobo J, Strumsky D, Seto KC (2013) Does Size Matter? Scaling of CO_2 Emissions and U.S. Urban Areas. PLoS ONE 8(6): e64727. doi:10.1371/journal.pone.0064727

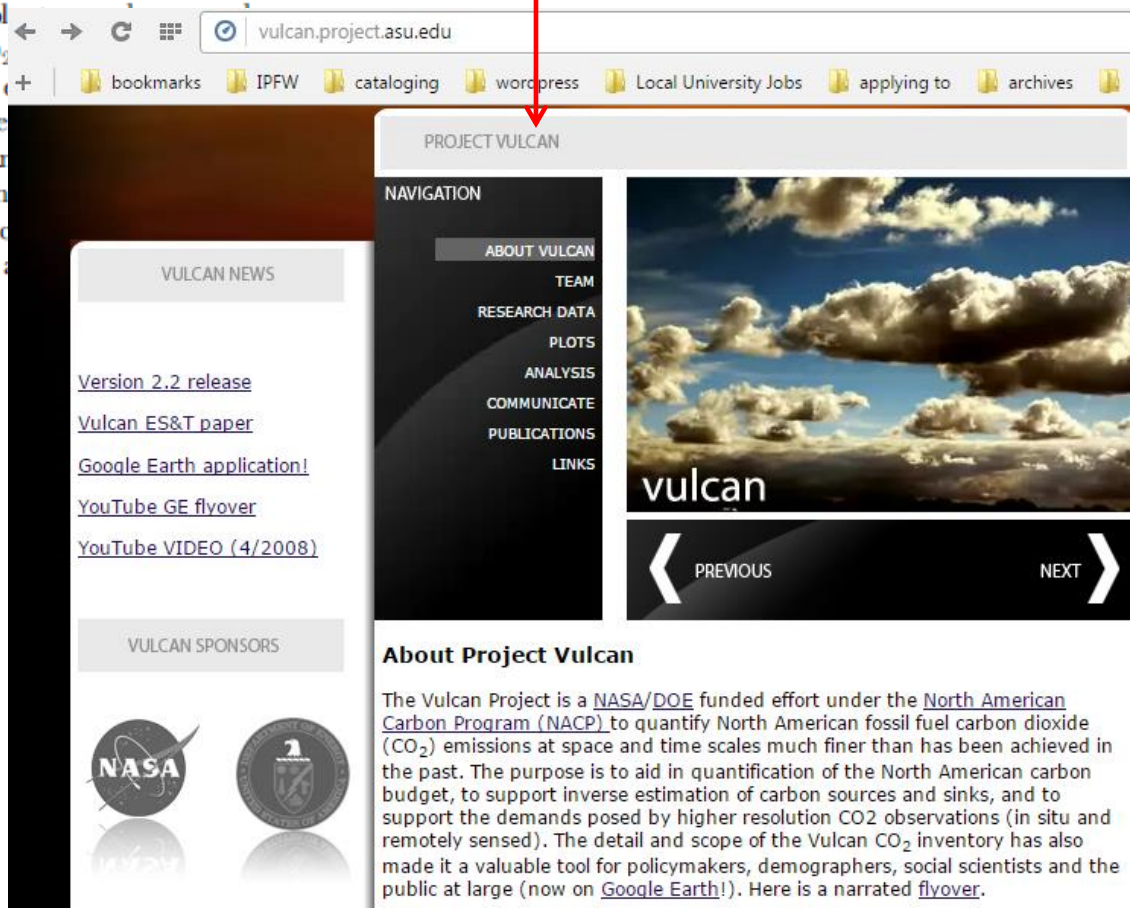
Searching the Scholarly Literature:

An Example from "Does Size Matter? Scaling of CO_2 Emissions and U.S. Urban Areas.

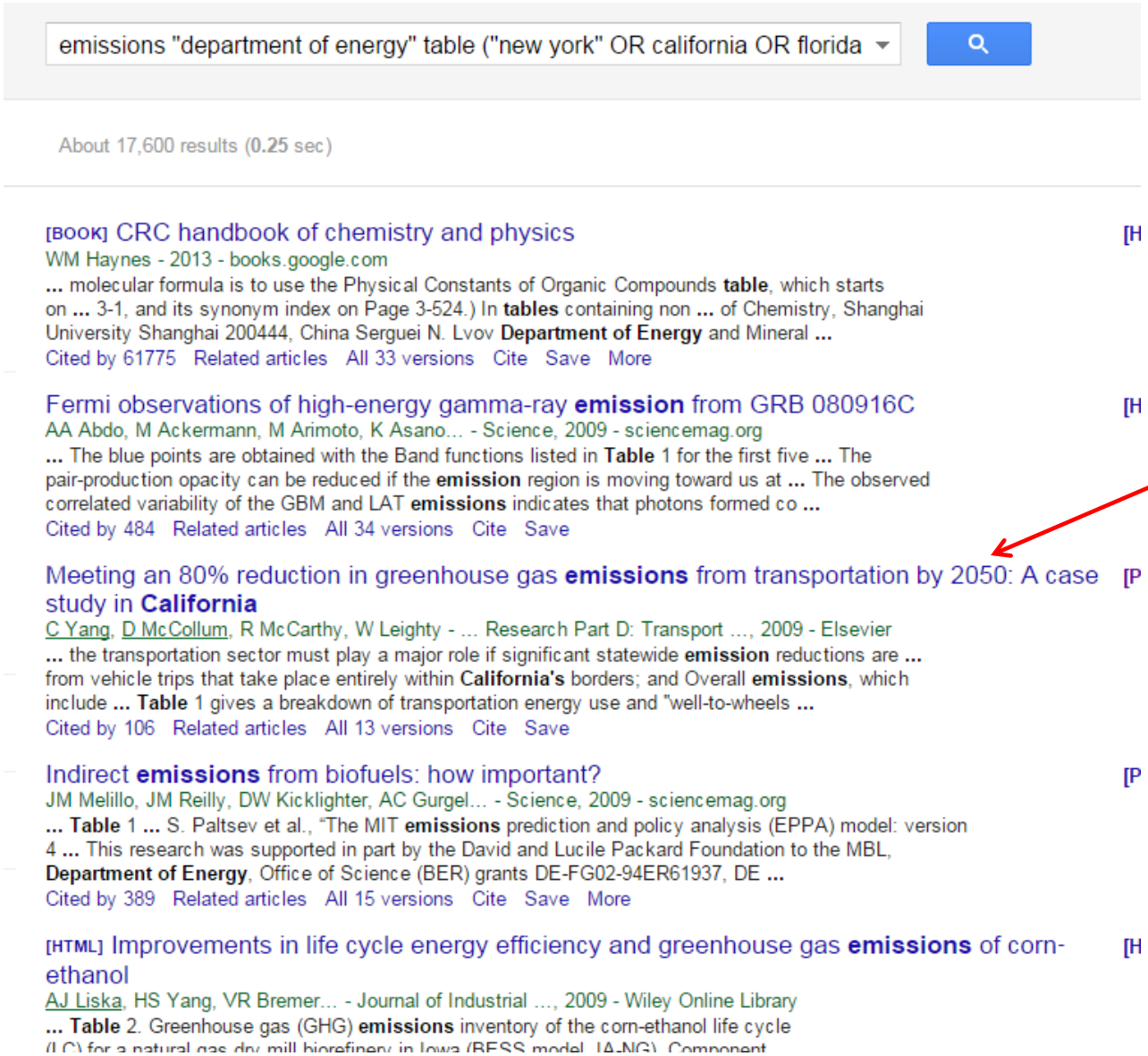
Materials and Methods

We use CO_2 emissions data from Project Vulcan that quantifies U.S. fossil fuel carbon dioxide emissions at 10 km ×10 km grid and at the scale of individual factories, power pl
neighborhoods on an hourly basis [44]. CO_2
cation utilizes datasets such as air quality
census data, highway vehicle use reports, e
power plants emissions compliance reports, ar
[44,45]. Furthermore, Vulcan includes sign
detail, dividing the emissions into 9 economic
types [45]. We utilize the Vulcan data that is
of counties for the years 1999 to 2008.

Project Vulcan: Hosted on ASU's website, and funded by NASA and DOE



Searching the Scholarly Literature: An Example from Google Scholar



Let's try this one

Bibliography From:
"Meeting an 80% Reduction in Greenhouse Gas …"

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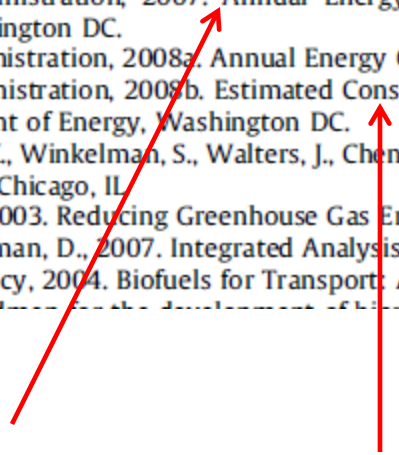
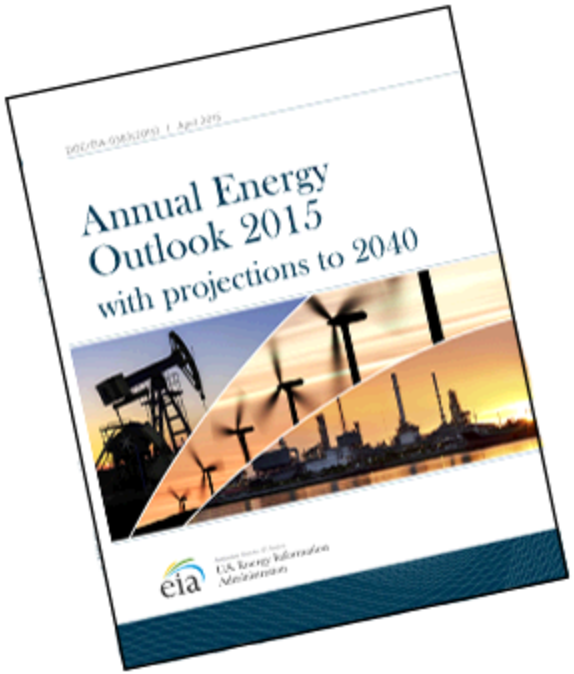


ANNUAL ENERGY OUTLOOK 2015

Release Date: April 14, 2015 | **Next Release Date:** March 2016 | CORRECTION | full report



Annual Energy Outlook 2015

presents yearly projections and analysis of energy topics

Download the AEO2015 Report

Projections in the *Annual Energy Outlook 2015* (AEO2015) focus on the factors expected to shape U.S. energy markets through 2040. The projections provide a basis for examination and discussion of energy market trends and serve as a starting point for analysis of potential changes in U.S. energy policies, rules, and regulations, as well as the potential role of advanced technologies.

Introduction

In preparing the Annual Energy Outlook 2015 (AEO2015)—a shorter edition; see "Changes in release cycle for EIA's Annual Energy Outlook"—the U.S. Energy Information Administration (EIA)

By Section

Data tables

Reference Case Summary & Detailed Tables

A1	Total Energy Supply, Disposition, and Price Summary	
A2	Energy Consumption by Sector and Source	
A3	Energy Prices by Sector and Source	

See most recent version of AEO

Annual Energy Outlook Products - Archive

Annual Energy Outlook		Supplement Tables		Assumptions		NEM System (NEMS): An Overview		NEMS Retrospective		Early Release	
HTML	PDF	HTML	PDF	HTML	PDF	HTML	PDF	HTML	PDF	HTML	PDF
2014	2014									2014	2014
2013	2013			2013	2013			2013	2013	2013	2013
2012	2012			2012	2012			2012	2012	2012	2012
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2007	2007	2007		2007	2007						
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On Campus & Curriculum Ideas

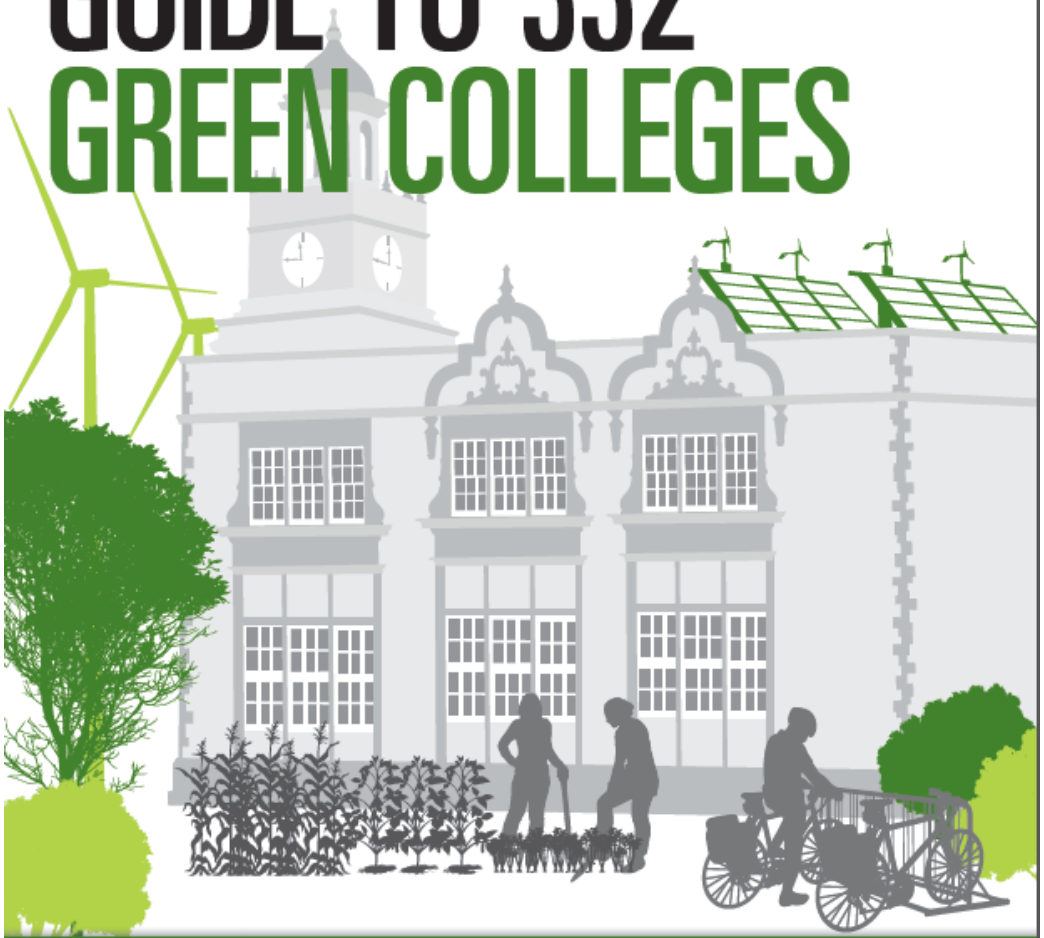
The Princeton Review

THE CENTER FOR GREEN SCHOOLS

The Princeton Review's

2014 Edition

GUIDE TO 332 GREEN COLLEGES



Presented in partnership with the Center for Green Schools at the U.S. Green Building Council

Portland State University

P.O. Box 751, Portland, OR 97207-0751
Admissions: 503-725-3511 • **Fax:** 503-725-5525 • **Financial Aid:** 503-725-3461
E-mail: admissions@pdx.edu • **Website:** www.pdx.edu

GREEN HIGHLIGHTS

Portland State University in Oregon offers every student the opportunity to gain hands-on experience addressing complex sustainability issues—both inside the classroom and out in the community. A 10-year, $25 million gift from the James F. and Marion L. Miller Foundation in 2008 jumpstarted Portland State's excellence in sustainability research, teaching, and community engagement in programs across campus. PSU's College of Liberal Arts & Sciences faculty are leaders in social sustainability research; the Maseeh College of Engineering & Computer Science is home to globally recognized transportation researchers and a Green Building Research Lab and the College of Urban & Public Affairs continues to push the leading edge of sustainable urban development. As a national leader in community-based learning, PSU puts students to work solving neighborhood-scale sustainability problems, and its campus—home to eight LEED-certified buildings—is a living lab, testing everything from eco-roofs to district-scale energy systems. Freshmen may choose to live in a Sustainability Living Learning Community, while students visiting the LEED Gold Recreation Center can generate energy on exercise equipment and flush with rainwater. They can apply their learning in the real world with a Senior Capstone course, turn ideas into action with sustainability volunteer groups, and pursue a graduate certificate in sustainability. PSU's Institute for Sustainable Solutions serves as a hub for supporting student leadership training, cross-disciplinary research, and a curriculum that prepares students for change-making careers.

Green Facts

% food budget spent on local/organic food	51
Available transportation alternatives: bike share, indoor and secure bike storage, shower facilities, and lockers for bicycle commuters, school developed bicycle plan, free or reduced price transit passes and/or free campus shuttle	
School has formal sustainability committee	Yes
% of new construction LEED-certified	100
Waste-diversion rate (%)	35
Sustainability-focused degree available	Yes
% of graduates required to take a sustainability related course	100

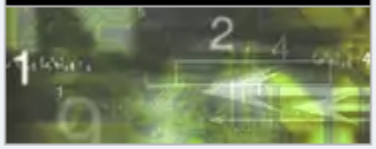
Student Body

Total undergrad enrollment	23,170
# of applicants	5,573
% of applicants accepted	80
% of acceptees attending	32
Average HS GPA	3.4
Range SAT Critical Reading	450–590
Range SAT Math	450–570
Range SAT Writing	440–560
Range ACT Composite	19–26

Cost

Annual in-state tuition	$6,156
Annual out-of-state tuition	$21,375
Required fees	$1,608
Room and board	$10,368
% needy ugrads receiving need-based scholarship or grant aid	78
% ugrads receiving any aid	56

Funding



Find Funding
A-Z Index of Funding Opportunities
Recent Funding Opportunities
Upcoming Due Dates
Advanced Funding Search
Interdisciplinary Research
How to Prepare Your Proposal
About Funding

Proposals and Awards

Proposal and Award Policies and Procedures Guide
Introduction
Proposal Preparation and Submission
• Grant Proposal Guide
• Grants.gov Application Guide
Award and Administration
• Award and Administration Guide
Award Conditions

Division of Chemical, Bioengineering, Environmental, and Transport Systems

Environmental Sustainability

CONTACTS

Name	Email	Phone	Room
Bruce Hamilton	bhamilto@nsf.gov	(703) 292-7066	565 S

PROGRAM GUIDELINES

Apply to PD 14-7643 as follows:

For full proposals submitted via FastLane: standard *Grant Proposal Guide* proposal preparation guidelines apply.
For full proposals submitted via Grants.gov: the *NSF Grants.gov Application Guide; A Guide for the Preparation and Submission of NSF Applications via Grants.gov Guidelines* applies. (Note: The *NSF Grants.gov Application Guide* is available on the Grants.gov website and on the NSF website at: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=grantsgovguide)

Important Information for Proposers

A revised version of the *NSF Proposal & Award Policies & Procedures Guide* (PAPPG) (NSF 15-1), is effective for proposals submitted, or due, on or after December 26, 2014. The PAPPG is consistent with, and, implements the new Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance) (2 CFR § 200). Please be advised that the guidelines contained in NSF 15-1 apply to proposals submitted in response to this funding opportunity.

DUE DATES

Full Proposal Window: October 1, 2015 - October 20, 2015
October 1 - October 20, Annually Thereafter

SYNOPSIS

Environmental Studies 201

RESEARCH METHODS

Fall 2007

Registration # 91195

Class:	Tuesdays and Thursdays: 11:00 am - 12:15 pm, Votey 220		
Instructors:	**Prof. Adrian J. Ivakhiv** Course Director	**Prof. Laurie Kutner** Research Co-Instructor	**Prof. Saleem H. Ali** Director, Alt. Section
Office:	Bittersweet	Bailey/Howe Lib. 122	Bittersweet
Telephone:	656-0180	656-2213	656-0173
E-mail:	Adrian.Ivakhiv@uvm.edu	Laurie.Kutner@uvm.edu	Saleem.Ali@uvm.edu
Office hours:	Tu 2:30-5:00, Th 9:30-10:30	Wed 3:30-4:45	

Brief description

Planning, design, and methods of research for the ENVS 202 senior thesis or project, required of all ENVS majors. Includes literature review and proposal writing. Three hours. (Not offered for graduate credit.)

Course Prerequisites

Students in this class are required to have taken ENVS 1, 2, and 151, and to have an approved ENVS Major Plan and a Research Essay from ENVS 151.

Course Goals

This course is designed to guide and assist you during the preparation and first stages of your senior thesis or project. To that end, you will be expected to

- clarify and refine the topic and questions you want to focus on in your thesis/project and the appropriate learning and research approaches by which to answer those questions;
- establish the context within which your topic is important;
- contact at least three on-campus professionals with expertise in the topic and/or research methods that you propose to use;
- write a literature review that establishes precedents for your research project;

NDSU NORTH DAKOTA STATE UNIVERSITY Libraries

Environmental Design 101 - Library Research

This guide was created to specifically help students in the ENVD 101 course with their library research assignment.

Last Updated: Oct 10, 2014 | URL: http://guides.lib.ndsu.nodak.edu/ENVD101 | Print Guide | RSS Updates

Design Competitions

Below is a listing of the design competitions related to this assignment. Check the Blackboard course site to find out which competition has been assigned to you.

- Elevator Annual
  Click on "Elevator Annual" banner
- Mexico City Design Museum
  Click on "Mexico City Design Museum" banner
- Milan World Expo Pavilion
  Click on "Milan World Expo Pavilion" banner
- Pacific Heights Ocean Skyscraper
  Click on "Pacific Heights" banner
- Space Grand Prize 2014
  Click on "prize" then click on "Architectural Design 2014" banner
- The Next Big One
- Triumph Pavilion 2015: Sky Pavilion
  Click on "Triumph Pavilion 2015: Sky Pavilion" banner
- Vision42 Design Competition
- Walk This Way

Comments (0)

Overview/Description of the Library Research Assignment

ENVD 101
Library Research Assignment

You have been assigned a design competition for this library research assignment. The assignments are posted on the course Blackboard page. There are also links provided on the LibGuide here, to the left of the assignment descirption. You have previously registered for your design competition and have identified your design team. In your second (design team determination) assignment you identified a list of issues and information you needed in order to start your design work. Included in that list you identified the following four pieces of information that you need and should research:

Project typology
History of the region and/or the company
Sustainability issues specific to this project

Where will you go for the information? The library! That is the essence of this assignment.

Assignment:

1. For each of the three issues listed above write a short description of why the issue is important for your competition and locate at least three different library sources of information for that issue. For each source located provide full citations in APA style, location where it is available, and the call number (if it is owned by the library). Sources for each issue must be from a variety of resources including books, magazines, internet, newspapers, etc.

2. Write a brief statement describing the strategy that you used to identify the necessary information and the strategy that you used to find it.

Library staff is always available to help you if you run into a snag. It will take several hours.

Learning Objectives:
• Find appropriate evidence and/or information about a topic
• Identify and select information sources and retrieval systems in a variety of forms.
• Implement a search strategy for identifying pertinent information
• Identification of environmental concerns related to a project.
• Organize ideas in a coherent structure.
• Communicating information using graphic and written forms.

Architecture & Visual arts Librarian / Interim Technical Services Librarian

Jenny Grasto

Contact Info
Main Library, Rm 120D
Phone: 701.231.6462
Send Email

Links:
Profile & Guides

Subjects:
Architecture, Landscape Architecture, Business, Visual Arts

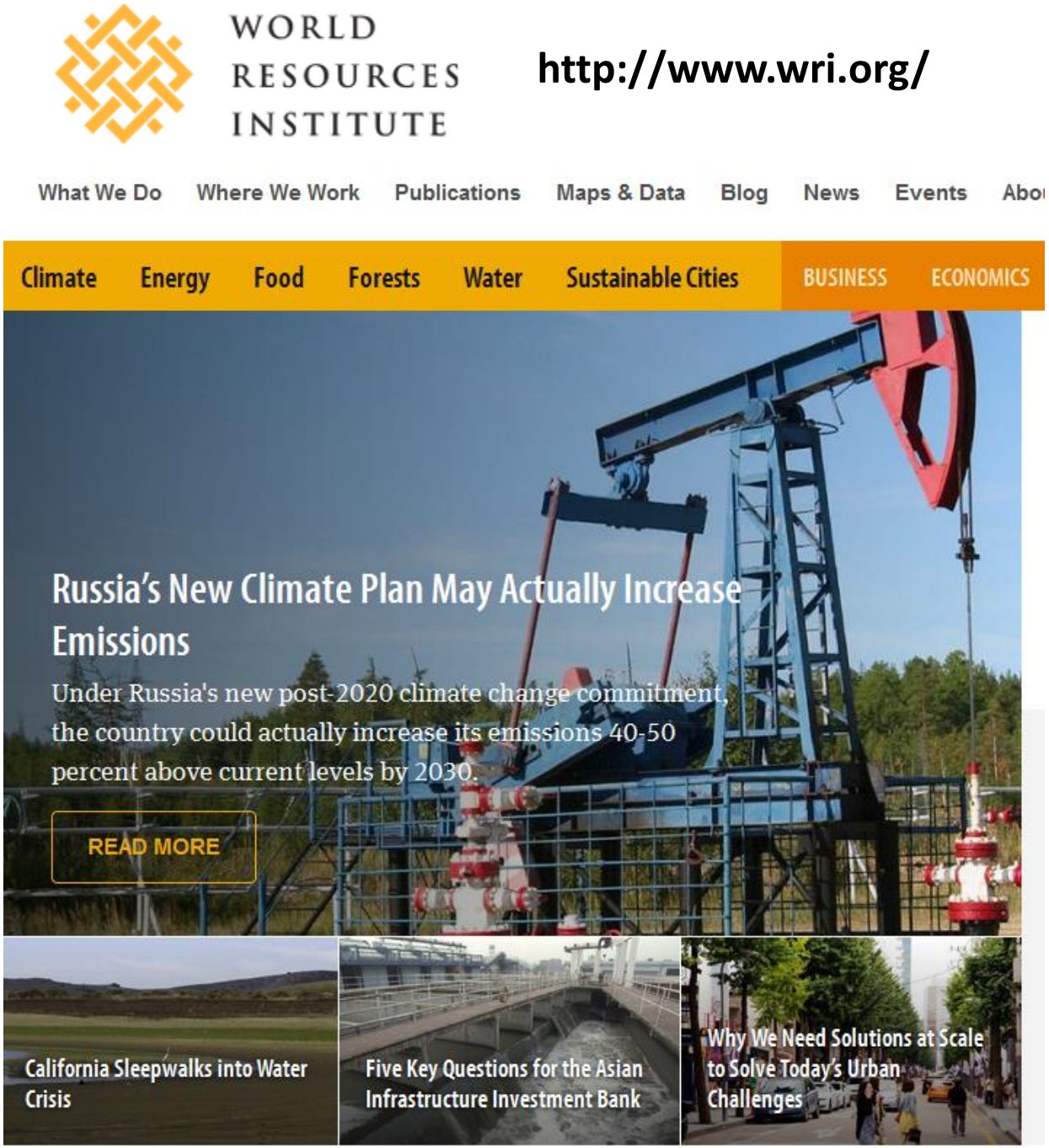
The Sustainability Movement on Campus: Forming a Library Action Plan for Engagement

Instructors: Madeleine Charney and Jamie Conklin
Dates: May 4-29, 2015
Credits: 1.5 CEUs
Price: $175

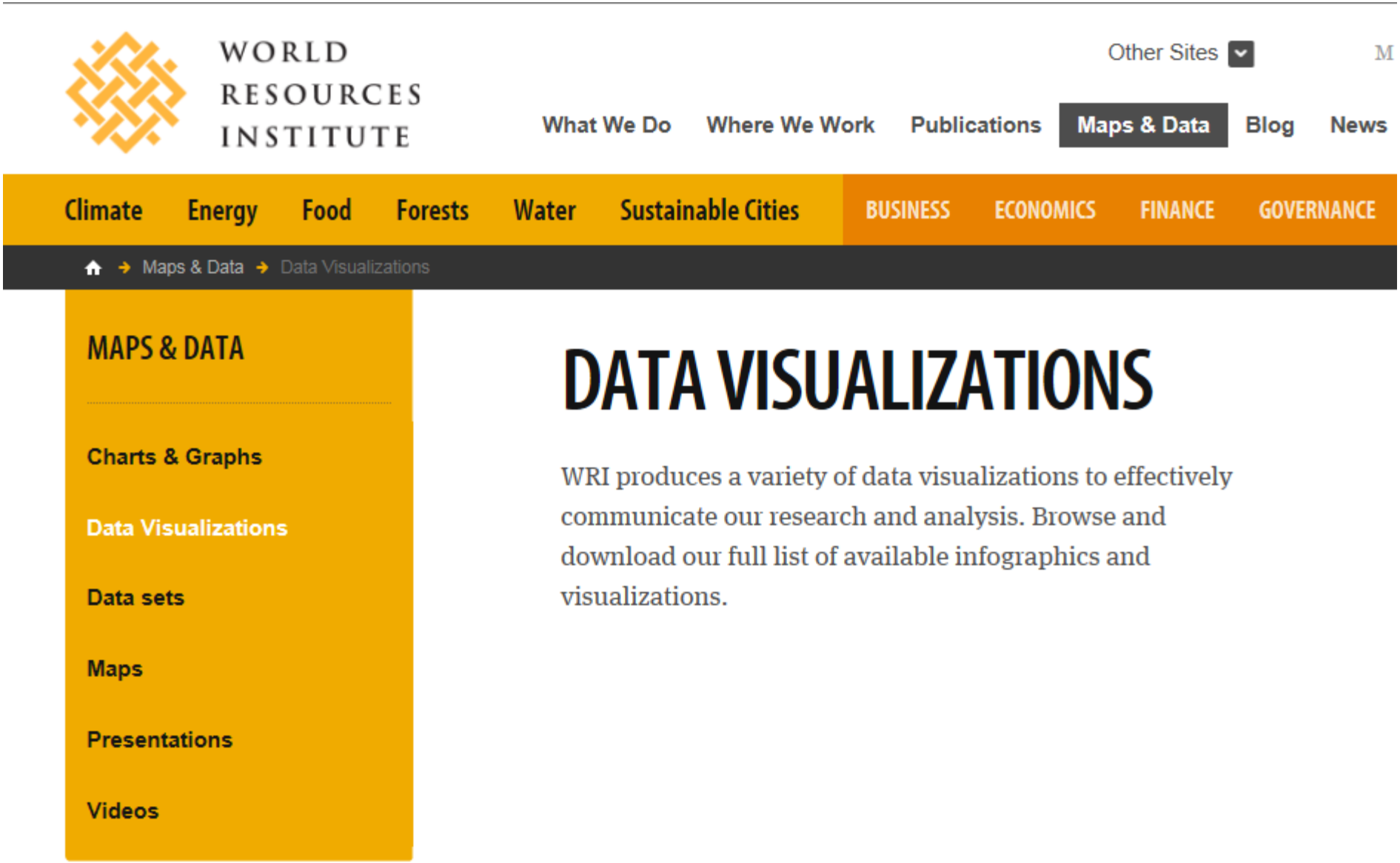
REGISTER

This course focuses on the role of the academic librarian in the sustainability movement which is sweeping across U.S. campuses. A proliferation of sustainability courses, programs and related activities bears witness to a paradigm shift in our society. A trans-disciplinary area of study, sustainability stretches beyond environmental awareness to include issues of economic viability and social justice concerns. This comingling of subject areas offers limitless opportunities for collaboration and cross-pollination between librarians and the faculty, students, staff and administrators they support. Emphasis will be on the curriculum with a preliminary exploration of how facilities management and co-curricular activities tie into the teaching and learning of sustainability.

Appendix I:
A Few Global Resources

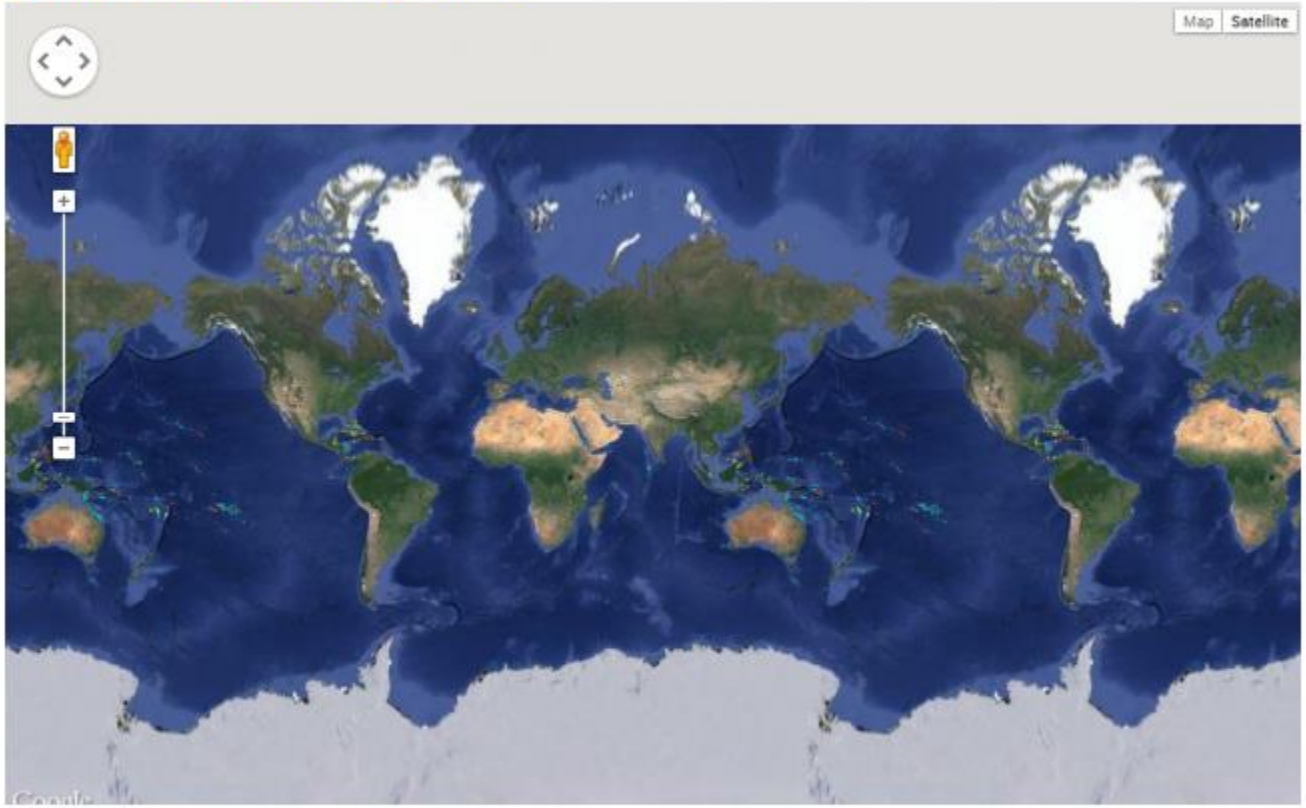

WORLD RESOURCES INSTITUTE
http://www.wri.org/
What We Do
Where We Work
Publications
Maps & Data
Blog
News
Events
Abo
Climate
Energy
Food
Forests
Water
Sustainable Cities
BUSINESS
ECONOMICS
Russia's New Climate Plan May Actually Increase Emissions
Under Russia's new post-2020 climate change commitment, the country could actually increase its emissions 40-50 percent above current levels by 2030.
READ MORE
California Sleepwalks into Water Crisis
Five Key Questions for the Asian Infrastructure Investment Bank
Why We Need Solutions at Scale to Solve Today's Urban Challenges

WRI: 26 Data Visualization Tools



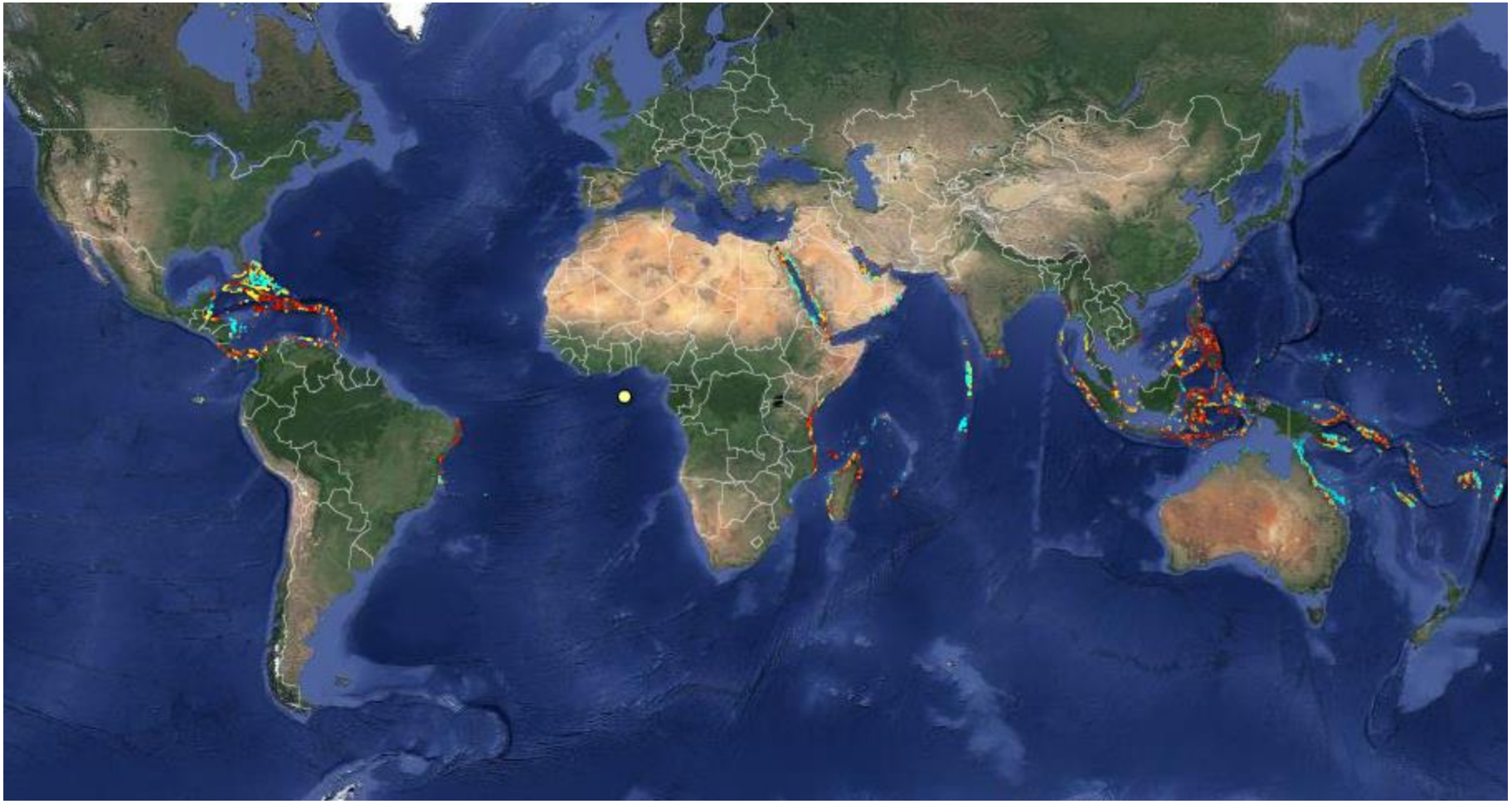
Online Global Reefs Map

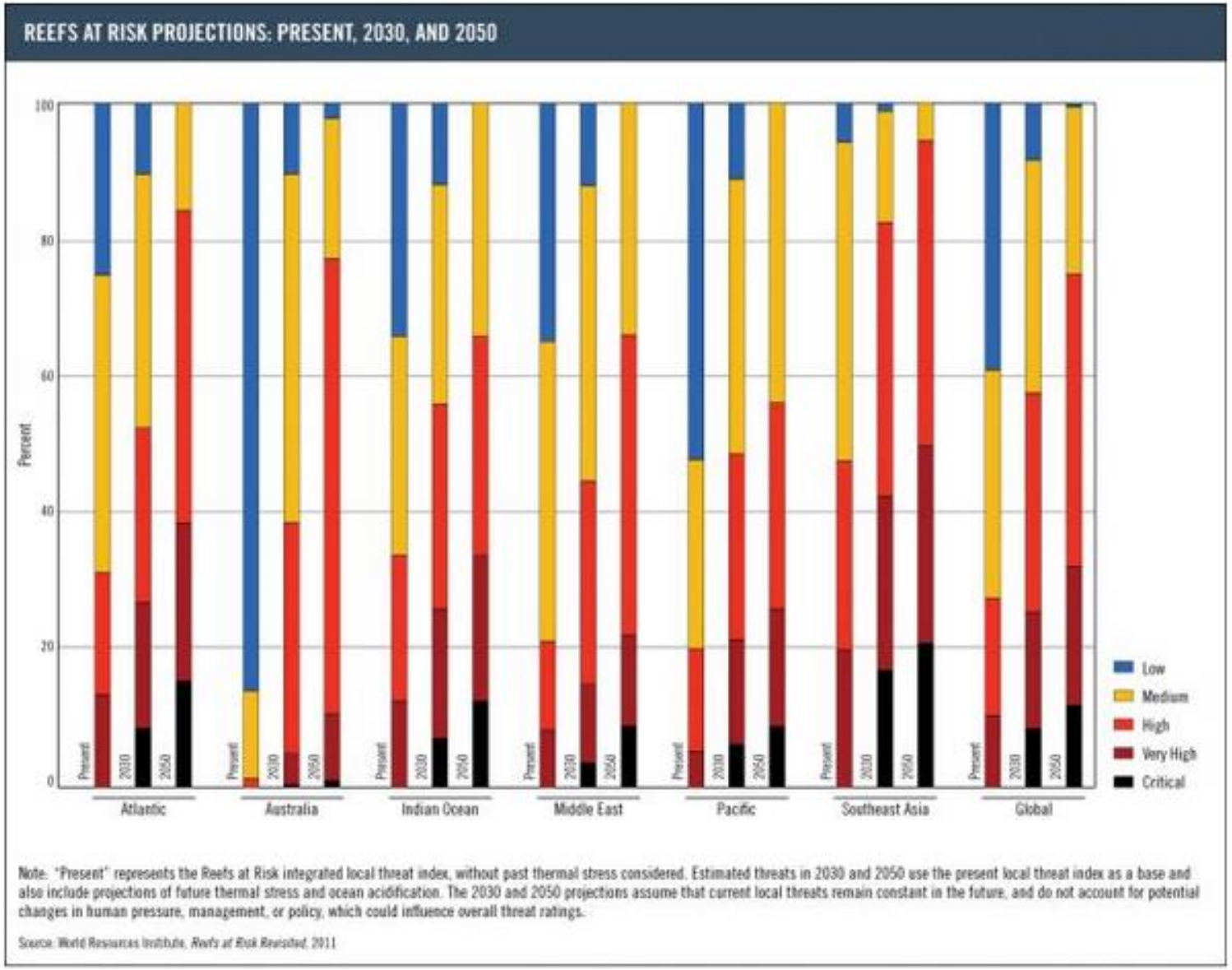
LAUNCH THE INTERACTIVE MAP →



Coral Reefs of the World Classified by Threat from Local Activities

Coral reefs are classified by estimated present threat from local human activities, according to the Reefs at Risk Revisited integrated local threat index. The index combines the threat from the following activities: overfishing and destructive fishing, coastal development, watershed-based pollution, and marine-based pollution and damage.





Blue: Low Yellow: Medium Red: High Dark Red: Very High Black: Critical


FLORIDA
Gulf of Mexico
The Bahamas
Cuba
Turks and Caicos Islands
YUCATÁN
QUINTANA ROO
TABASCO
CHIAPAS
Belize
Guatemala
Honduras
El Salvador
Nicaragua
Costa Rica
Panama
Cayman Islands
Jamaica
Haiti
Dominican Republic
Puerto Rico
British Virgin Islands
Montserrat
Dominica
St. Lucia
Barbados
Grenada
Caribbean Sea
Aruba
Curacao
Trinidad and Tobago
Venezuela
Guyana

Reefs at Risk Revisited

Under the Reefs at Risk Revisited project, WRI and its partners have developed a new, detailed assessment of the status of and threats to the world's coral reefs. This information is intended to raise awareness about the location and severity of threats to coral reefs. These results can also catalyze opportunities for changes in policy and practice that could safeguard coral reefs and the benefits they provide to people for future generations.

The data files include GIS data sets and KML files for use in Google Earth and other map applications that support KML.

DATA SET

DATE ADDED:
February 2011

PROJECT:
Reefs at Risk

PRIMARY CONTACT:
Lauretta Burke

GIS Data Sets

- Base Data:Data and GIS Base Data: Meta Data
- Global Threats:Data and GIS Global Data: Meta Data
- Local Threats:Data and GIS Local Threats Data: Meta Data
- Local Threats (Vector Only):Data and GIS Local Threats (Vector Only) Data: Meta Data

KML Data Sets

Use these files in Google Earth and other map applications that support KML.

Local & Global Threats in 2050 (3.1 Mb)

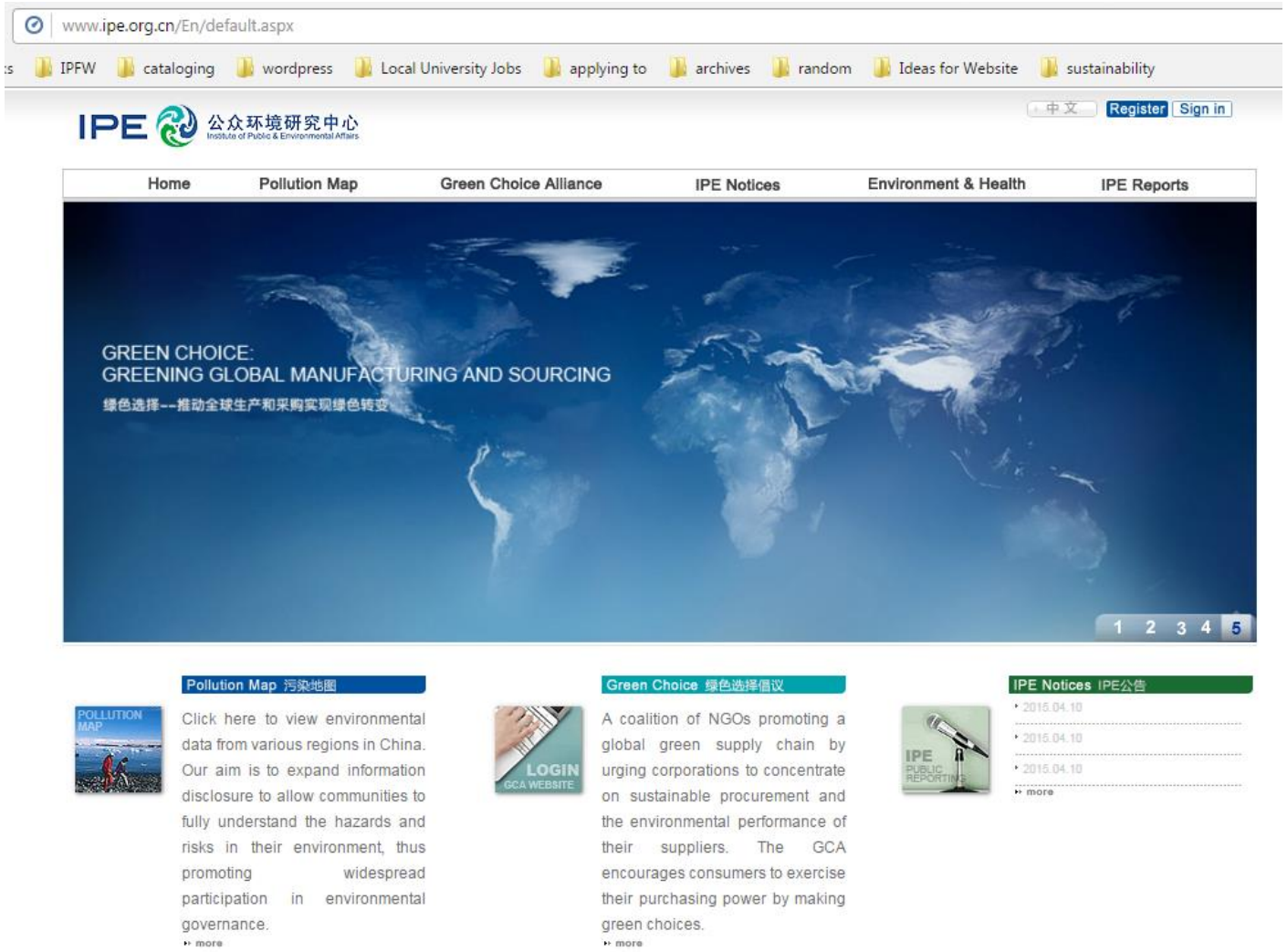
Local & Global Threats in 2030 (3.1 Mb)

Local Threats: Present (3.1 Mb)

Technical Documentation:

Technical Notes (PDF, 338 Kb)

China
IPE: Institute of Public and Environmental Affairs



China Map from IPE:

Institute of Public and Environmental Affairs, in Beijing

China Pollution Maps launched

In May 2006, Ma Jun founded the non-profit Institute of Public and Environmental Affairs in Beijing, with just two staffers. (The number would grow to eight by 2010, and double again by late 2013.) His mission was to do something with his research into water mismanagement that would motivate a public response. First, he had to build a database. IPE used public records, mainly from EPBs, as well as reports published in official media. None was a "state secret." Three kinds of information, dating back to 2004, went into the database:

> *Environmental quality indicators*—levels of specific greenhouse gases and pollutants in the air and water, by city, province and river basin
>
> *Emissions data*—aggregate levels of industrial and domestic discharge of specific pollutants, by city, province and river basin
>
> *Environmental supervision records*—details of incidents in which companies had been fined or cited by environmental authorities

In September 2006, IPE released its first product, the so-called China Water Pollution Map. Fifteen months later, in December 2007, it launched a companion China Air Pollution Map. Though simple in concept and design, these became transformative tools in China's burgeoning environmental movement. Having the information in one place, in a

European Environment Agency

Topics | Data and maps | Indicators | Publications

You are here: Home / Data and maps / Interactive maps / Nitrates in rivers

Nitrates in rivers

Four interactive maps available from the European Environment Agency

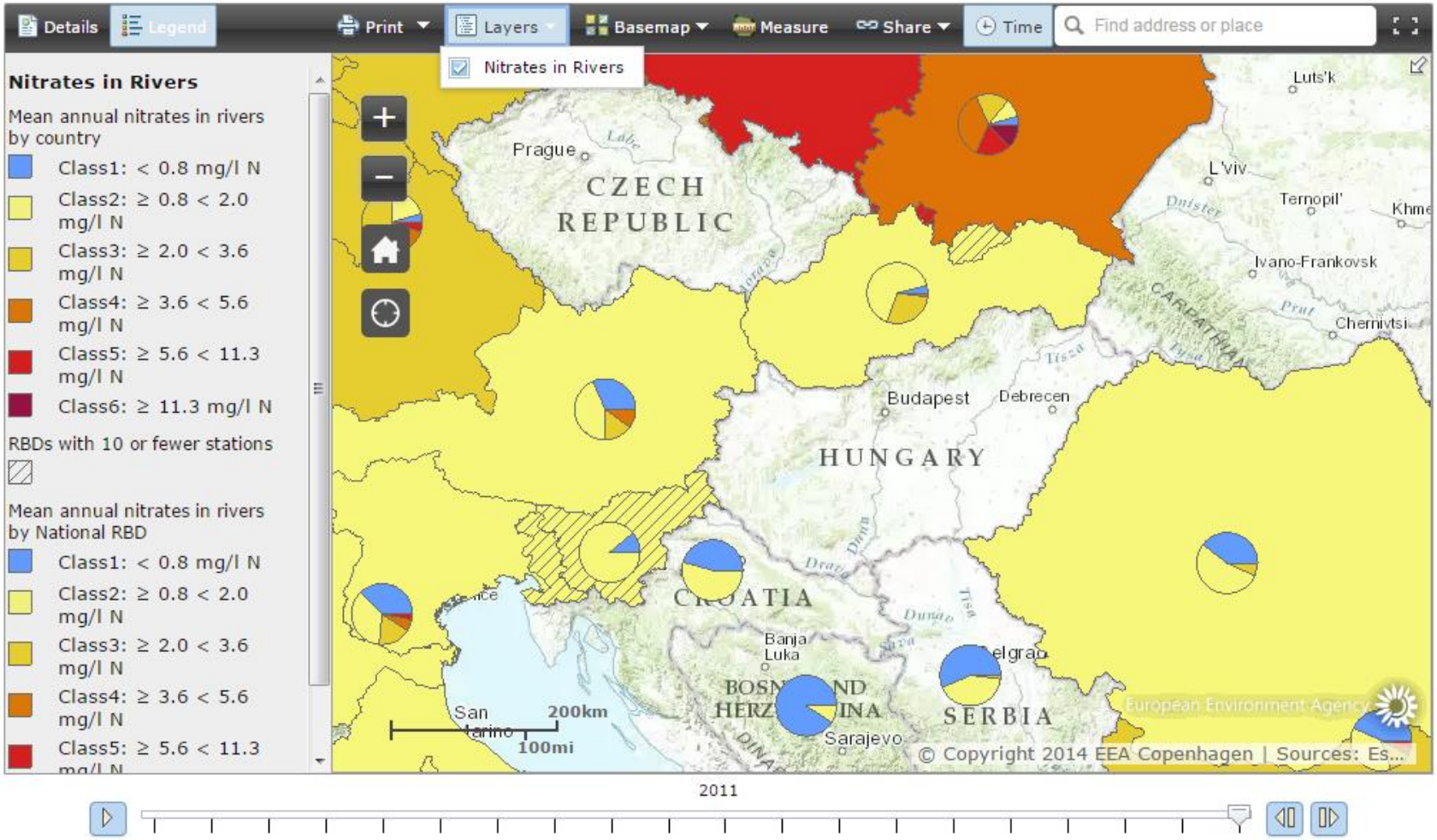
European Environment Agency

Topics | Data and maps | Indicators | Publications

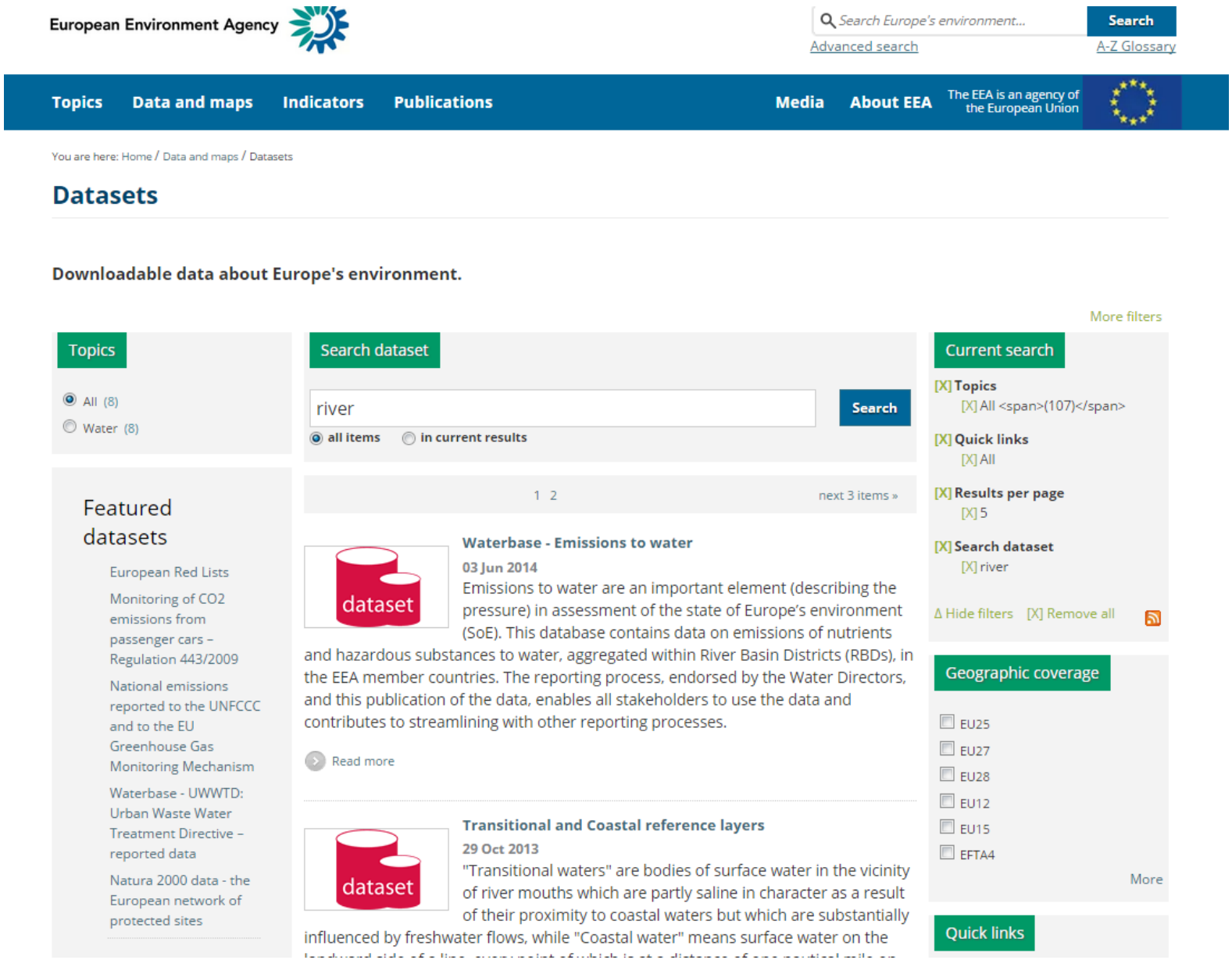
Nitrates in Rivers

You are here: Home / Data and maps / Interactive maps / Nitrates in rivers

Nitrates in rivers



Datasets from EEA



Appendix II:
Additional U.S. Resources

Search
Enter Keywords Go
All NRCS Sites

Browse by Subject
- Soils Home
- National Cooperative Soil Survey (NCSS)
- Archived Soil Surveys
- Status Maps
- Official Soil Series Descriptions (OSD)
- Soil Series Extent Mapping Tool
- Geospatial Data Gateway
- eFOTG
- National Soil Characterization Data
- Soil Quality
- Soil Geography

The simple yet powerful way to access and use soil data.

START WSS

Welcome to Web Soil Survey (WSS)

Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Soil surveys can be used for general farm, local, and wider area planning. Onsite investigation is needed in some cases, such as soil quality assessments and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center or your NRCS State Soil Scientist.

Four Basic Steps

1 Define.

Use the Area of Interest tab to define your area of interest.

I Want To...
- Start Web Soil Survey (WSS)
- Know the requirements for running Web Soil Survey — will Web Soil Survey work in my web browser?
- Know the Web Soil Survey hours of operation
- Find what areas of the U.S. have soil data
- Find information by topic
- Know how to hyperlink from other documents to Web Soil Survey
- Know the SSURGO data structure

Announcements/Events
- Web Soil Survey 3.1 has been released! View description of new features and fixes.
- Web Soil Survey Release History

Sign up for e-mail updates via GovDelivery

I Want Help With...
- Getting Started With Web Soil Survey
- How to use Web Soil Survey
- How to use Web Soil

NCSL
National Conference of State Legislatures

ABOUT US | LEGISLATORS & STAFF | RESEARCH | MEETINGS & TRAINING | NCSL IN D.C. | BOO

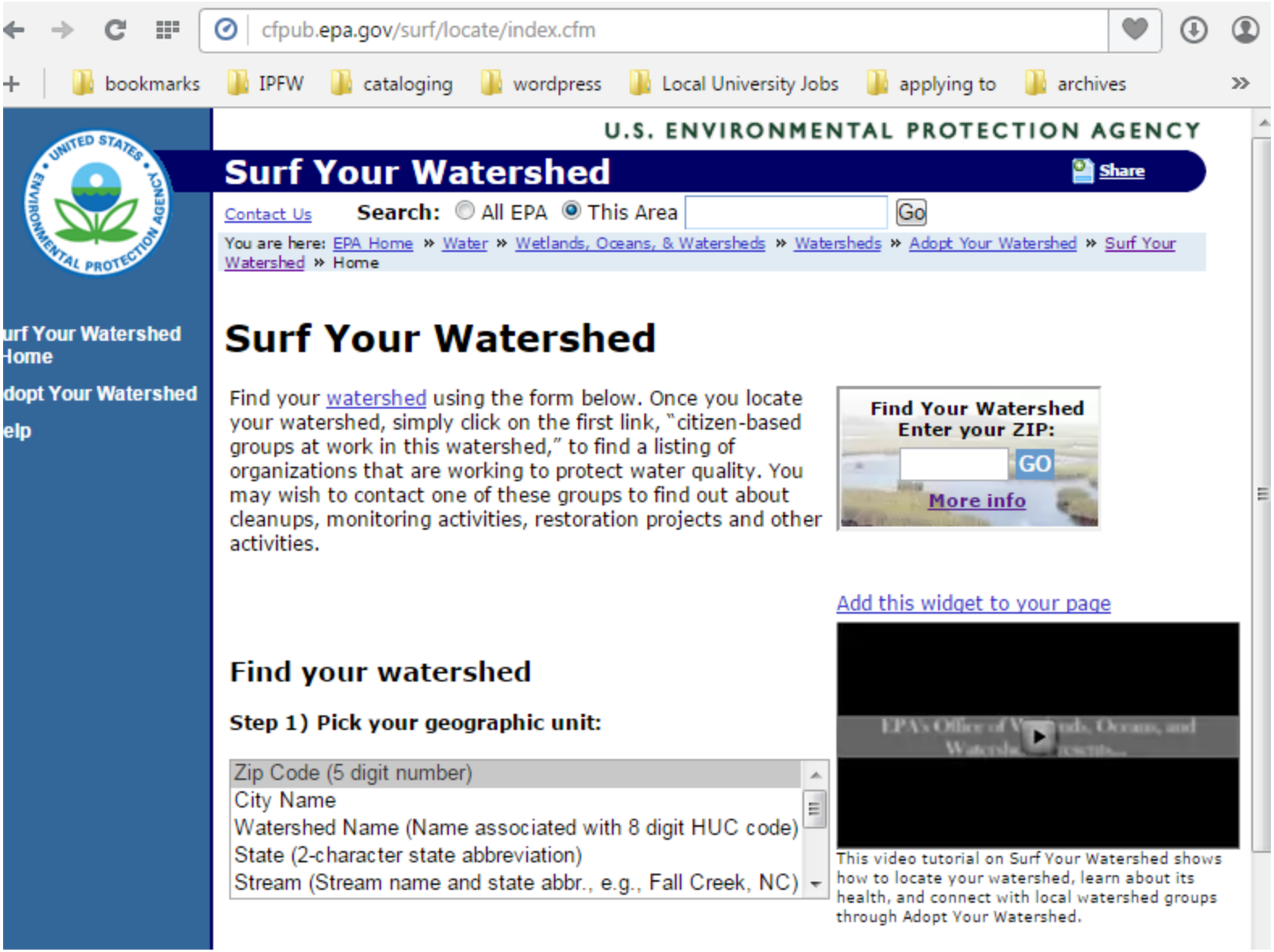
We are the nation's most respected bipartisan organization providing states support, ideas, connections and a strong voice on Capitol Hill.

Table 1: Enacted 2013 Efficient Building Legislation

The box allows you to conduct a full text search or use the dropdown menu option to select a state.

Reset | Select a State

State	Bill or Resolution	Summary
Arkansas	AR S 340	Amends the Guaranteed Energy Cost Savings Act to allow state agencies to use maintenance and operations appropriations for debt service related to a guaranteed energy cost savings contract.
California	CA A 221	Revises the definition of recycled concrete in existing law to additionally include, as one of certain specifications, the California Green Building Standards Code.
	CA A 341	Requires the Building Standards Commission and agencies that propose green building standards to allow for input by other state agencies that have expertise in green building subject areas. Requires the process by which these state agencies shall submit suggested changes to be adopted as administrative regulations that include certain elements. Authorizes the expenditure of certain funds for updating of green building standards, a guideline update and training for local building officials.
	C A A 628	Authorizes the Humboldt Bay Harbor, Recreation and Conservation District and specified harbor and port districts, jointly with an electrical corporation, gas corporation, community choice aggregator or publicly owned electric or gas utility serving the district, to prepare one or more energy management plans to reduce air emissions and promote economic development through the addition of new business and the retention of existing businesses in the district. Also includes provisions on public education on the initiative.
Connecticut	CT H 6524	Allows for less frequent revisions to the State Building Code and requires building officials to ensure that inspections are done by the appropriate licensed inspectors.
Delaware	DE SCR 34	Establishes a “Green and Better Building Advisory Committee.”
Georgia	GA HR 704	Encourages statewide participation in Green Apple Day of Service presented by the Center for Green Schools at the U.S. Green Building Council.



http://cfpub.epa.gov/surf/locate/index.cfm

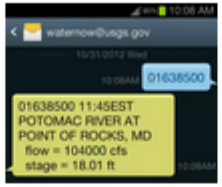
USGS science for a changing world

Water Resources of the United States

Water Now

WaterNow@usgs.gov

How can I quickly get current water conditions that are important to me, such as water levels, streamflow, or temperatures? How do I find locations where these data are available?



WaterAlert

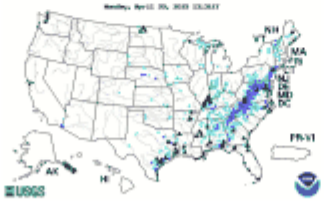
How can I be alerted to water conditions that exceed thresholds that are important to me, such as high water levels or temperatures? How do I find locations where these alerts may be available?

Real-time streamflow

Where is the USGS collecting and transmitting real-time streamflow data right now? How does flow today compare with historical streamflow? How can I see these sites on a map and get to the data? (Fact Sheet)

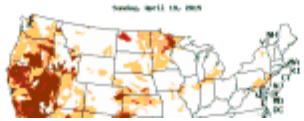
Real-time flood data

Where in the Nation are floods or very high flows occurring now? How can I see these sites on a map and get to the data?



Real-time drought data

Where in the Nation are droughts or very low flows occurring now? How can I see these sites on a map and get to the data?



Water Then

Annual water data reports

Can I see all of the locations where the USGS has published water resources data for a particular year? How can I see these sites on a map and get to the data?

You can retrieve data using a map or a search form.

Instantaneous streamflow data (prior to 2007)

I want to find long-term streamflow data reported in short time intervals (such as 15 minutes or 1 hour) rather than as daily averages. Where can I see a list of those sites and get to the data?

National Water Quality Assessment

The NAWQA program provides a search to physical, chemical, and sediment data that have been collected as part of the national program. (Fact Sheet)

BioData - Aquatic Bioassessment Data for the Nation

The USGS BioData Retrieval system provides public access to aquatic bioassessment data (biological community and physical habitat data) collected by USGS scientists from stream ecosystems across the nation.

Water use in the United States

Use of water in the United States is tracked