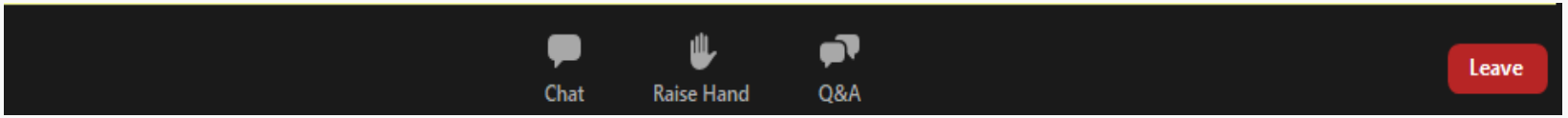
ECHO - Enforcement and Compliance History Online

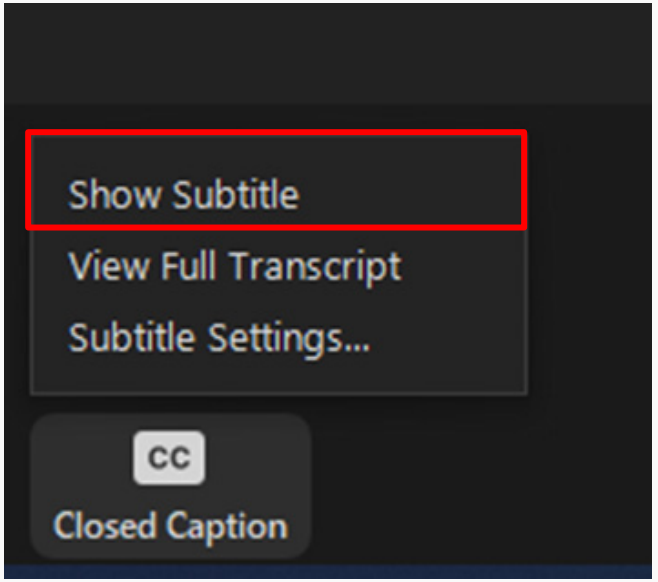
https://echo.epa.gov

Audio Instructions

You are in listen-only mode (muted).

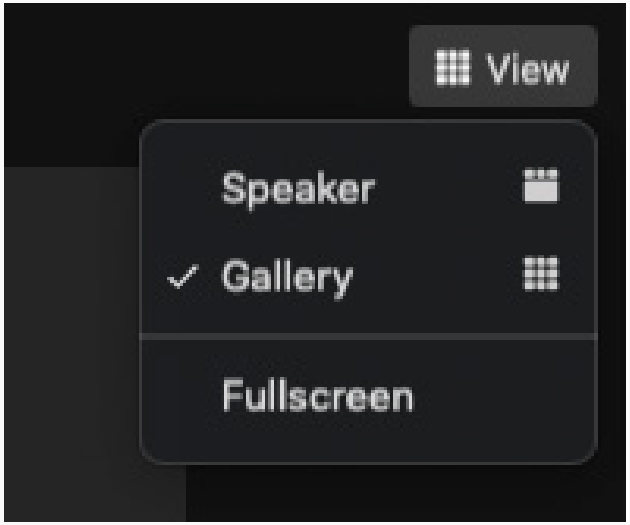


Closed Captioning for today's Webinar is available by clicking the "Closed Caption" button on your toolbar.



Video Instructions

If you don’t see a presentation on the screen, try switching the view layout using the options in the top right corner.



Questions During the Webinar

- Use the Questions box to type in your questions throughout the webinar.
- Please make the context of your question clear, as we will be answering questions covering a range of topics (feel free to reference live examples or slide numbers).
- In order to make this webinar useful for all attendees, we will not address site specific or individual problems during this session - please use ECHO's Contact Us page for help with those questions.

Webinar Materials

A recording of the webinar and transcript, as well as the presentation slides will be posted on the ECHO Training Page.

Introduction

- The U.S. Environmental Protection Agency provides public access to its regulatory compliance and enforcement data via the Internet.
- The Enforcement and Compliance History Online (ECHO) website at https://echo.epa.gov integrates data from major EPA information systems for public use.

What is ECHO?

- ECHO is EPA's public website that provides compliance information about regulated facilities.
  - How they are regulated
  - When they were inspected
  - Whether violations of environmental regulations were found
  - Whether an enforcement action was taken

- The website also provides dashboards with views of enforcement and compliance status trends and some bulk datasets for download.

ECHO Content

Compliance history for more than 1,000,000 EPA-regulated facilities

- Three-year compliance status and five-year inspection and enforcement history
- EPA and state, local, and tribal environmental agency data for:
  - Clean Air Act stationary sources
  - Clean Water Act permitted dischargers
  - Safe Drinking Water Act public water systems
  - Resource Conservation and Recovery Act hazardous waste handlers

ECHO Content (continued)

- EPA data for other statutes like Emergency Planning and Community Right-to-Know Act (EPCRA), Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), and Toxic Substances Control Act (TSCA):
  - Inspections
  - Enforcement Action Details

Sources of ECHO Data

ECHO extracts data from other EPA data systems, typically on a weekly basis:

- Integrated Compliance Information System (ICIS)
- Resource Conservation and Recovery Act Information System (RCRAInfo)
- Safe Drinking Water Information System (extracted quarterly)
- Facility Registry Service (links EPA-regulated facilities and permits under one ID number)
- Envirofacts: Toxics Release Inventory (TRI) and Greenhouse Gas (GHG) pollutant release data for context; EJSCREEN data
- Full list with refresh dates on “About the Data” page (https://echo.epa.gov/resources/echo-data/about-the-data)

ECHO Features

- Facility Searches → *under home page "Search Options"*
  - All Data (cross-program)
  - Air (stationary source)
  - Wastewater/Stormwater/Biosolids (NPDES program)
  - Hazardous Waste (RCRA Subtitle C)
  - Drinking Water (public water systems)

- Water Pollutant Loading Tool → *under home page "Search Options"*
- EPA Enforcement Case Search → *under home page "Find EPA Cases"*
- State Dashboards → *under home page "Analyze Trends"*

EJScreen data and tools in ECHO

- How to use the ECHO facility searches to learn about environmental and demographic data from EPA's Environmental Justice Screening and Mapping Tool (EJScreen)

- This webinar will cover:
  - How to search for environmental and demographic data in your community
  - How to view and interpret Supplemental Index values at the location of a facility
  - How to visualize EJScreen data on an interactive map

EJ and Supplemental Indexes

General Calculation

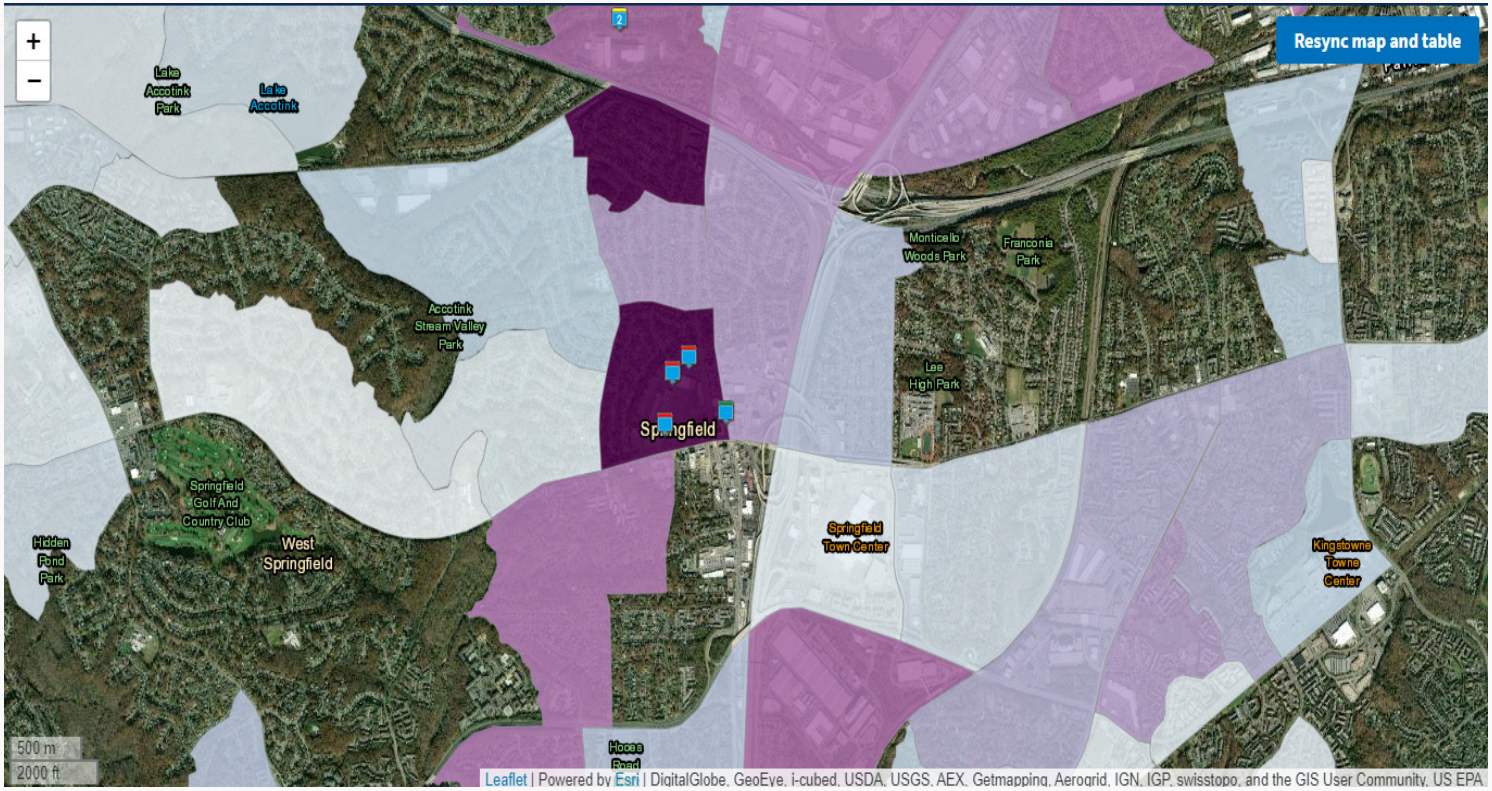
Index (for census block group) =

(Environmental Indicator Percentile) x (Demographic Index)

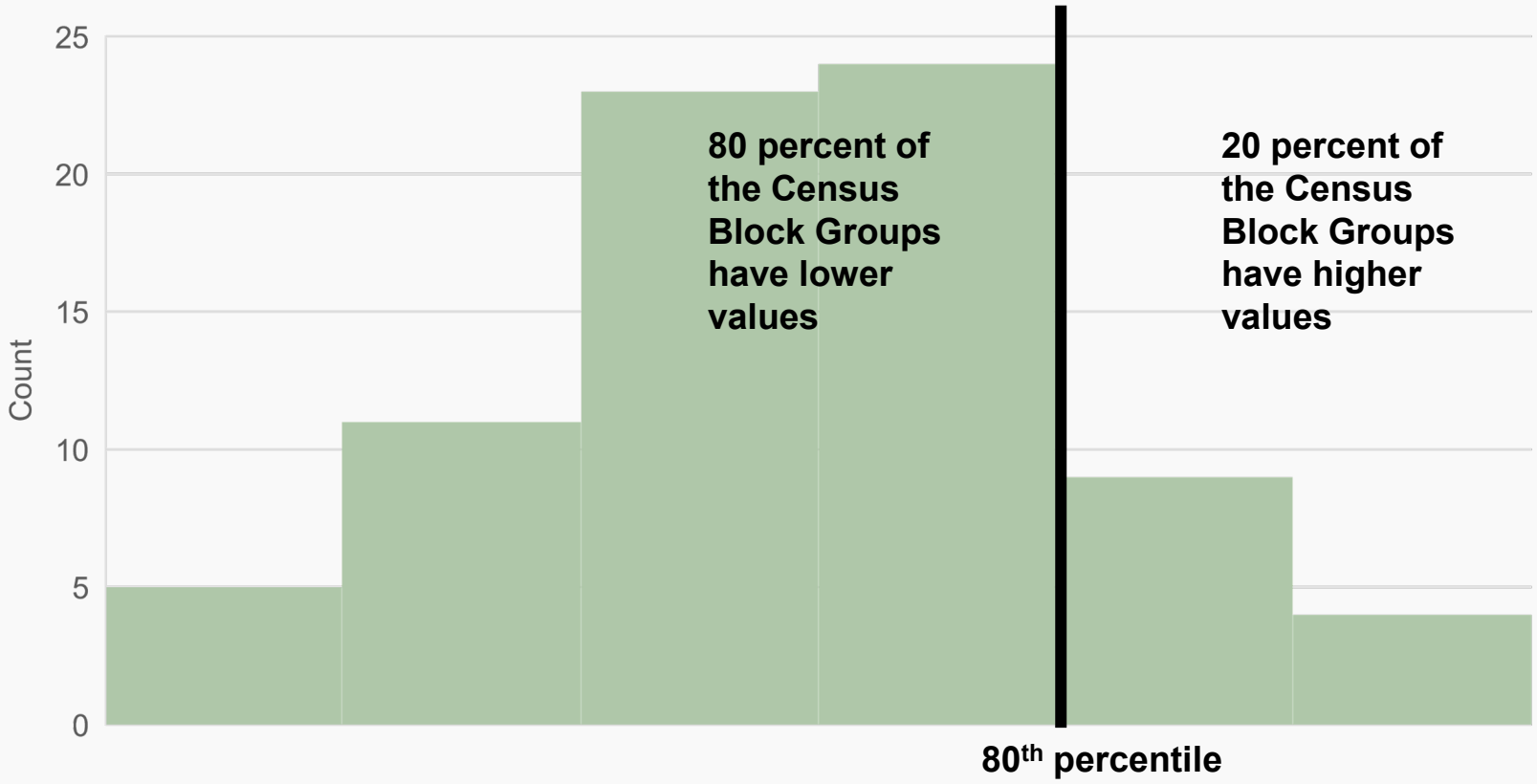
Demographic Index	
EJ	Supplemental
• % Low-income population • % People of color population	• % Low-income population • % Unemployed • % Limited English Speaking • % Less than High School Education • % Low Life Expectancy

Source: https://www.epa.gov/ejscreen/ej-and-supplemental-indexes-ejscreen

Census Block Groups



EJScreen Percentiles



Purposes and Uses of EJScreen

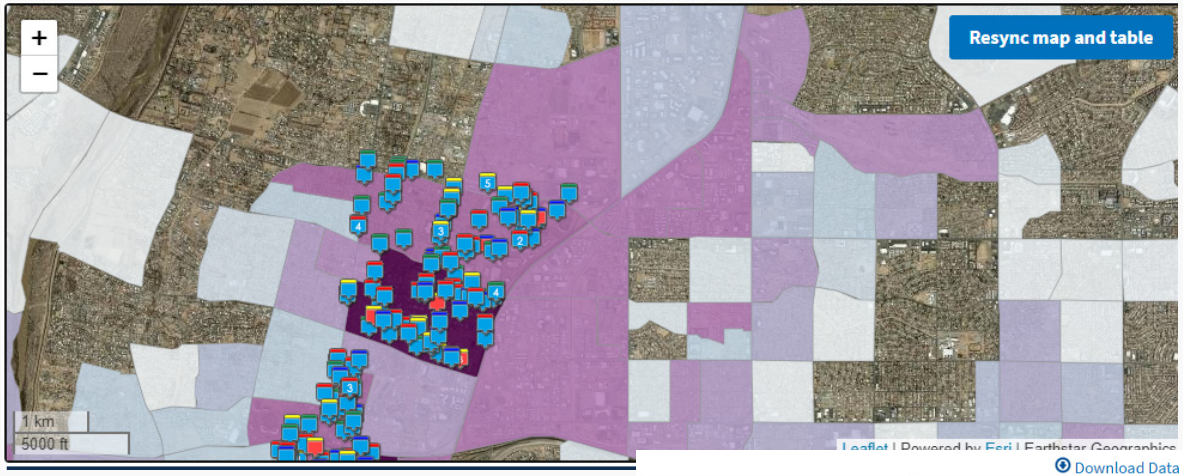
EJScreen allows users to access high-resolution environmental and demographic information for locations in the United States, and compare their selected locations to the rest of the state, EPA region, or the nation.

The tool may help users identify areas with:

- People of color and/or low-income populations
- Potential environmental quality issues
- A combination of environmental and demographic indicators that is greater than usual
- Other factors that may be of interest

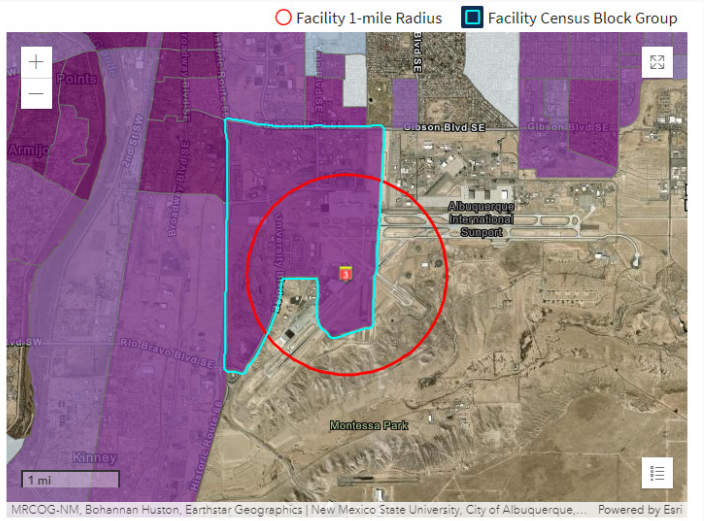
Source: https://www.epa.gov/ejscreen/purposes-and-uses-ejscreen

EJScreen Data in ECHO



Download Data

Census Block Group ID: 350010012021	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**10**	**10**
Particulate Matter 2.5	12	12
Ozone	96	96
Diesel Particulate Matter	92	92
Air Toxics Cancer Risk	86	86
Air Toxics Respiratory Hazard Index	87	87
Traffic Proximity	93	93
Lead Paint	84	84
Risk Management Plan (RMP) Facility Proximity	84	84
Hazardous Waste Proximity	85	85
Superfund Proximity	95	95
Underground Storage Tanks (UST)	80	80
Wastewater Discharge	57	70



Please enter questions you have as the presentation goes on and we will answer them soon.

Example 1: What are the supplemental index values for the location of a facility?

Example 2: How can I view state-level supplemental index values for a particular location?

Example 3: What can I learn from comparing two census block groups within a city?

Example 4: How do I search for and interpret EJScreen data about facilities in Tribal land?

EJScreen and Facility Search Resources

- EJScreen Environmental Justice Screening and Mapping Tool: https://www.epa.gov/ejscreen
- Technical Documentation for EJScreen: https://www.epa.gov/ejscreen/technical-information-about-ejscreen

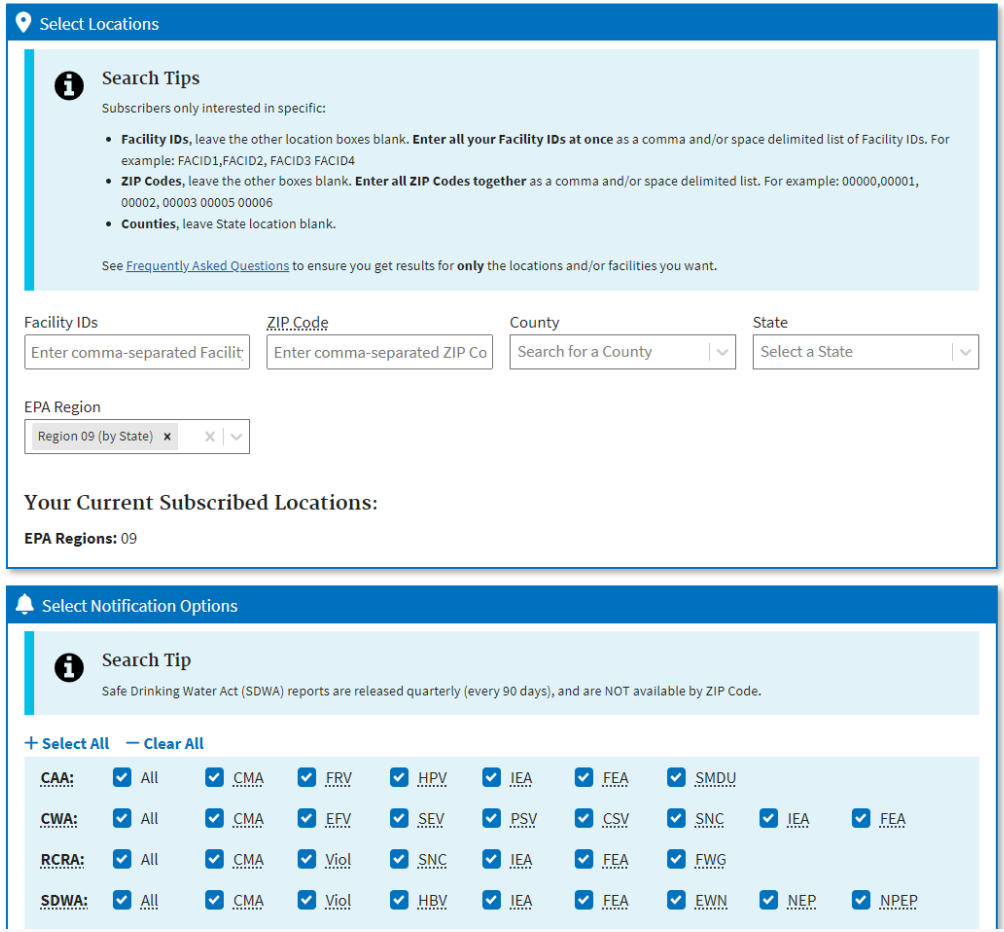
- ECHO Facility Search Criteria Help: https://echo.epa.gov/help/facility-search/search-criteria-help
- ECHO Facility Search Results Help: https://echo.epa.gov/help/facility-search/all-data-search-results-help
- ECHO Detailed Facility Report Data Dictionary: https://echo.epa.gov/help/reports/dfr-data-dictionary

General ECHO Resources

- ECHO Tool Guide: https://echo.epa.gov/resources/general-info/tool-guide
- Video tutorials: https://echo.epa.gov/help/tutorials
- Webinars: https://echo.epa.gov/help/training
- FAQ: https://echo.epa.gov/resources/general-info/echo-faq
- ECHO Mailing list: https://echo.epa.gov/resources/general-info/listserv
- How to Report an Error: https://echo.epa.gov/help/how-to-report-error
- State Agency Websites: https://echo.epa.gov/resources/echo-data/state-websites

ECHO Notify

https://echo.epa.gov/tools/echo-notify



Question and Answer Session

Thank you for attending today's training!

A short survey will appear on your screen momentarily, we would really appreciate your feedback.

OMB Control Number: 2030-0051 Expiration Date: 5/31/24
(Pursuant to 5 CFR § 1320.12(b)(2); approval for the current collection is automatically extended on a monthly basis during OMB's review of its renewal.)

EPA Burden Statement:
"This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2010-0042). Responses to this collection of information are voluntary. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to be 4 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address."