

Environmental Dataset Gateway Search and Discover 101

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Advanced Search Options

	Welcome, charness Logout Help Share Your Feedback EDG Inventory
CDA Environmental Data	aset Gateway (EDG)
Connecting EPA's Environmental Resources	
HOME ABOUT SEARCH BROWSE DATA R	EUSE RESOURCES ADMINISTRATION COLLECTIONS
Search	
Text:health Search	My Saved Searches
Include related terms	nces major discharger latitude facility site environmental interest type air minor affiliation type sqg tris rfs nei lqg camdbs ssts alaska rmp
Records shown from: This Site (the EDG) Click here to select different site or configure search.	waste monitoring brownfields frs rcra national priorities list cerclis state federal data download facility human well-being virgin islands regulatory
Additional Options Clear	drinking water south dakota montana idaho south carolina georgia mississippi illinois alabama utah census block groups epa region 6 vermont north carolina connecticut kansas impact puerto rico ecology biota iowa land cover health delaware nevada sites virninia land management
WHERE:	arkansas new york communities new mexico louisiana texas new jersey
● Anywhere ⊖ Intersecting ⊖ Fully within	enviroatlas human ecosystem environment
Text: 🙀	UNITED STATES DOUNDATIES ecosystem services environmental atlas water SUIFACE Water natural resources california
	location oklahoma arizona pennsylvania facilities maryland epa west
\odot	virginia society washington dc wisconsin maine massachusetts hawaii florida missouri nebraska new hampshire oregon rhode island air
·	michigan minnesota ohio indiana washington kentucky colorado
and the Contract	tennessee north dakota wyoming contaminant inlandwaters cleanup ground water superfund federal datasets tri npdes public health rcrainfo
and the former of the second s	npl pcs icis acres sdwis aqs toxic release afs ncdb regulated sites
A AND AND AND AND AND AND AND AND AND AN	toxics naics tsd air major duns facility registry identifier frs data longitude minor discharger organization program system
(ites)	

- Using Lucene Search Text Queries
- Include related terms
- Keyword Hints
- Search additional sites
- Additional Options
- Interactive Map
- Tag search



Advanced Search Options: Using Lucene Search Text Queries

Welcome to the EPA Environmental Datase 🔺		
User Help	Using Lucene Search Text Queries	14
Introducing the Geoportal Server	User Help » Working with the Geoportal Server	
🐌 Working with the Geoportal Server		1
User Functions and Roles	Using Lucene Search Text Queries	2
How to Create an Account	The Geoportal Server uses a sophisticated search engine that provides many search options, ranking options, fast performance, and extensibility. The	3
How to Login and Manage my Pas:	search engine is based on the open source search engine Apache Lucene. To make the most of the geoportal's search page, keep in mind the following	4
How to Create and Manage My Prc	features that Lucene provides for search syntax:	5
🐌 Using Search	1. Terms	6
How to Search for Resources	A query is broken up into terms and operators. There are two types of terms: Single Terms and Phrases. A Single Term is a single word	7
Using Lucene Search Text Que	such as air or quality. A Phrase is a group of words surrounded by double quotes such as "air quality". Multiple terms can be	8
How to Search with an Ontolo	 Searching for air could result in 35 bits (items contain the word air) 	9
Geoportal and OpenSearch	 Second for an element in Solite (items contain the word and item) Second for an element in 122 bits (items contain the word and item) 	10
🖹 How to Use Search Page Results 📲	• Searching for quarty results in 125 mills (nems contain the world quarty)	11
How to Browse for Resources	 Searching for air guality (without quotes) results in 148 hits (items contain the words air or guality or both) 	12
How to Leave a Resource Review	 Searching for air AND guality results in 10 hits (results contain both words air and guality) 	13
How to View Resource Relationshi	 Searching for "air guality" (with quotes) results in 7 hits (items contain the words air and guality directly after each other) 	14
How to Publish Resources	 Searching for title:air results in 5 hits (items contain the word air in the title) 	15
How to Manage and Edit Resource	 Searching for title:quality results in 14 hits (items contain the word quality in the title) 	16
How to Restrict Access to Resourc	 Searching for +title:air +title:quality or title:"air quality" results in 2 hits (both items contain both words air and quality 	17
📑 How to Use the Data Download Fe	in the title)	
How to Provide Feedback	2. Special Characters	19
📕 Using the REST API	The Geoportal Server supports escaping special characters that are part of the query syntax. The current list special characters are + - 🚳	2
ESRI Geoportal Clients	! () { } [] ^ " ~ * ? : \ To escape these character use the \ before the character. For example to search for items that contain	4
Known Issues and Limitations	the scale ht 1:250k use the query: \1\:250k.	4
- •	3. Fields	2:
L III	Lucene supports tielded data. When performing a search you can either specify a field, or use the default field. The field names and default	24

Link to Detailed Help with Using Lucene Search Text Queries



Advanced Search Options: Include related terms



Search will include acronyms, synonyms and other related terms



Advanced Search Options: Keyword Hints

	Login Help Share Your Feedback	١
SEPA Environmental Connecting EPA's Environmental Reso	Dataset Gateway (EDG)	S
HOME ABOUT SEARCH BROWSE DA	TA REUSE RESOURCES	c
Search		
Text:water	Search	
□ Include related terms accessed waters (2) air, rcra and water inpections (1) accessed water (1)	Search	
assessed water (5) backwater area (1)	Text: water	Search
chesapeake bay watershed (15) clean water act (36)		
clean water needs survey (3) clean watersheds needs survey (1)	Include related terms	
commercial water heaters (1)	accessed waters (2)	
 Records shown from: This Site (the EDG) Click here to select different site or configure search. 	air, rcra and water inpections (1)	
Additional Options	assessed water (1)	
Clear	assessed waters (5)	
WHERE:	backwater area (1)	
	chesapeake bay watershed (15)	
	clean water act (36)	
	clean water needs survey (3)	
	clean watersheds needs survey (1)	
	commercial water heaters (1)	

When a search term is typed in the search text box, keyword hints and suggestions appear below



Advanced Search Options: Search Additional Sites



Search more than the EDG

- ArcGIS Online
- Public EPA GeoPlatform Content



Advanced Search Options: Additional Options

♣EPA Envi	ironmental Dataset Gateway (EDG)	
HOME ABOUT SEAR	CH BROWSE DATA REUSE RESOURCES ADMINISTRATION COLLECTIONS	
Search	Additional Options	
Text: health	CONTENT TYPE	
Include related terms	Any 🔻	
Records shown from: T Click here to select different site or		
Additional Options Clear	Administrative and Political Boundaries	
WHERE: Anywhere Intersectin	Agriculture and Farming	
Text:	Atmosphere and Climatic	
۵	Biology and Ecology	
•	Business and Economic	
A Carden	Cadastral	
	Cultural, Society and Demography	
Ľ.	Elevation and Derived Products	
A	METADATA UPDATE DATE	
	Start (yyyy-mm-dd)	
	End date: (yyyy-mm-dd)	
	SORT RESULTS BY: Relevance OK Cancel	

Search by Content Type

- 11 content types
- These are properties the EDG uses to identify what kind of resource is being described in a metadata record

Data Category

- 19 topic categories defined in the ISO 19115 metadata standard
- Can choose to search more than one

Metadata Update Date

• The date a resource's metadata was last modified within the EDG



Advanced Search Options: Interactive Map



Define the spatial extent of the records to be returned

- Locate Tool
 - Type place name in text box
 - EDG Map zooms in to that area ۲
- **Map Navigation Tools**
 - Pan and Zoom •
 - Anywhere Search results will return resources from any extent
 - Intersecting Search results will return resources that have some portion of their extent touching or included in the defined area
 - Fully within search results will return resources that are fully contained in the defined area



Advanced Search Options: Tag Search



Search metadata keywords/tags

- List of keywords found in metadata records.
- Hovering over the Keyword in the list will give the number of records using the keyword/tag
- Click the keyword and the search is populated in the search box and the search is performed



DEMO



Search and Discover 101: Important URLS

- EDG about page:

https://edg.epa.gov/metadata/catalog/content/about.page#

• EDG Reuse Document:

https://edg.epa.gov/metadata/webhelp/en/gptlv10/inno/EDG_Reuse.pdf

• Questions/Help, email: edg@epa.gov



Questions?

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