



Environmental Dataset Gateway Search and Discover 101

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Search Results Explained: Evaluate Resources














- Result Icon

 **EPA Office of Water (OW): TMDLs on Impaired Waters NHDPlus Indexed Dataset**

The Total Maximum Daily Load (TMDL) Tracking System contains information on waters that are Not Supporting their designated uses. These waters are listed by the state as impaired under Section 303(d) of the Clean Water Act. The status of TMDLs are also tr...

[Open](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Details](#) [Metadata](#)

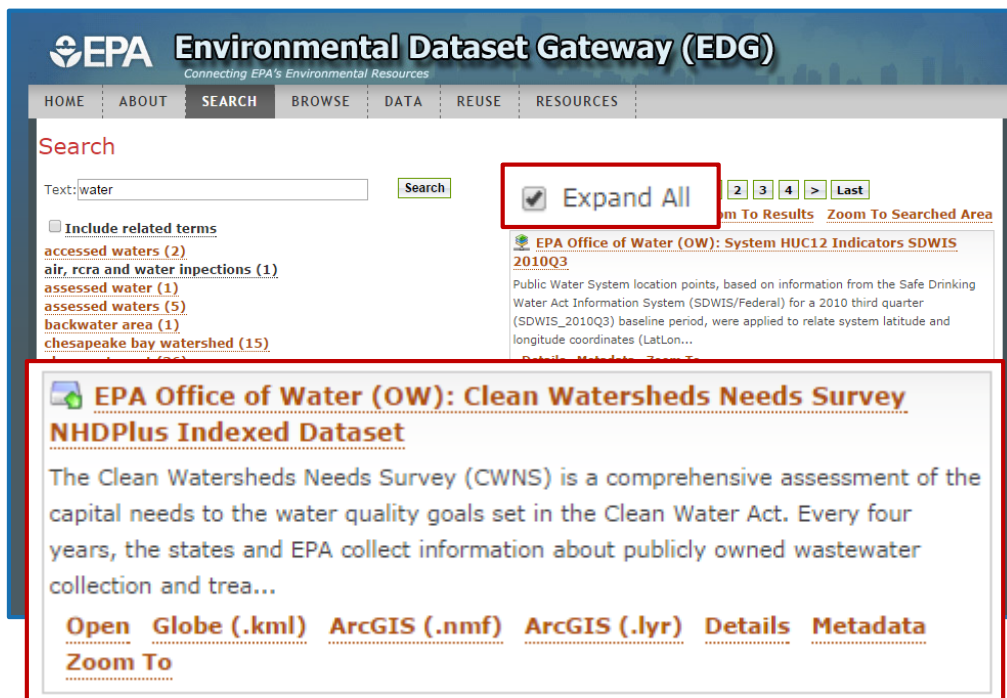
[Zoom To](#)

-  Application
-  Clearinghouse
-  Document
-  Downloadable Data
-  Geographic Activity
-  Geographic Service
-  Live Data
-  Map Files
-  Offline Data
-  Static Map Image
-  Resource Undetermined

Result Icons

- Based on the content type defined in the resource's metadata
- *contentType* was created by ESRI and is not implemented by all metadata standards
- If *contentType* is not found in the resource's metadata. The EDG attempts to assign a content type value based on information within the record. If no information is found the resource is given "*Undetermined*" Category

Search Results Explained: Evaluate Resources Cont'd



EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT **SEARCH** BROWSE DATA REUSE RESOURCES

Search
Text: water Expand All

Include related terms

- [accessed waters \(2\)](#)
- [air, rcra and water inspections \(1\)](#)
- [assessed water \(1\)](#)
- [assessed waters \(5\)](#)
- [backwater area \(1\)](#)
- [chesapeake bay watershed \(15\)](#)

EPA Office of Water (OW): Clean Watersheds Needs Survey NHDPlus Indexed Dataset

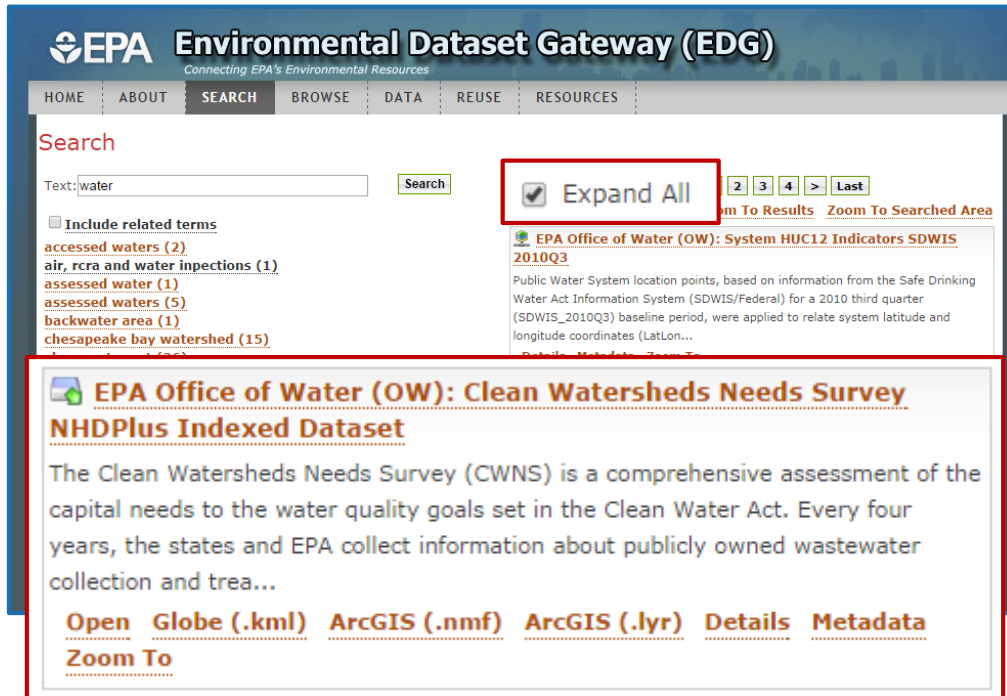
The Clean Watersheds Needs Survey (CWNS) is a comprehensive assessment of the capital needs to the water quality goals set in the Clean Water Act. Every four years, the states and EPA collect information about publicly owned wastewater collection and trea...

[Open](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Details](#) [Metadata](#)
[Zoom To](#)

- *Expand All* after search results are returned, allows the user to see options for viewing information about the resource.
- Resource Evaluation Options are based on the “*Online Linkage*” information within the metadata record
- The links will not appear if there is no corresponding information within the resource’s “*Online Linkage*” section of the metadata record
- The “*Online Linkage*” sequence within a metadata record is critical to the search link functions

Note: Detailed information on inputting “Online Linkage” into metadata can be found in the [Generic Metadata Style Guide](#)

Search Results Explained: Evaluate Resources Cont'd



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Text: water Expand All

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EPA Office of Water (OW): Clean Watersheds Needs Survey NHDPlus Indexed Dataset

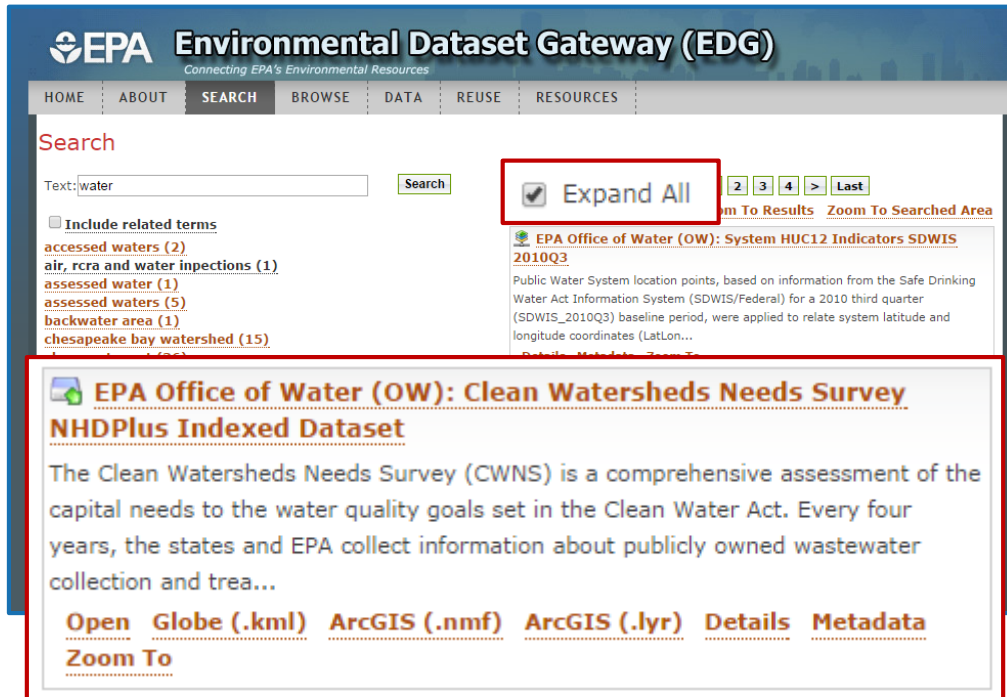
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[Open](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Details](#) [Metadata](#)
[Zoom To](#)

Search Result links used to Evaluate a Resource:

- **Open** – enables a user to access a resource's website or if the resource is downloadable, it can be a direct link to a .zip file
- **Website** – access to an additional website if one has been defined
- **Details** – displays basic information about the resource (title, publisher, geographic extent, and abstract)
- **Metadata** – opens the resource's metadata XML
- **Zoom To** – zooms to the spatial extent of the resource

Search Results Explained: Access Resources



EPA Environmental Dataset Gateway (EDG)
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HOME ABOUT **SEARCH** BROWSE DATA REUSE RESOURCES

Search

Text: water Expand All

Include related terms

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- [air, rcra and water inspections \(1\)](#)
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EPA Office of Water (OW): Clean Watersheds Needs Survey NHDPlus Indexed Dataset

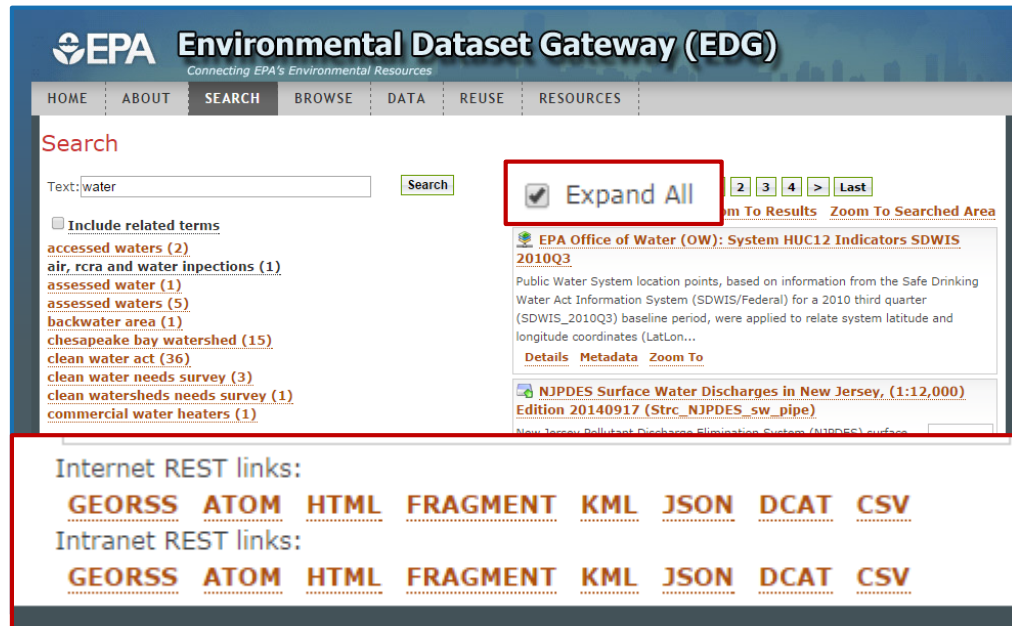
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[Open](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Details](#) [Metadata](#)
[Zoom To](#)

Search Result links used to Access a Resource:

- **Globe (.kml), ArcGIS (.nmf), ArcGIS (.lyr)** – appear when the resource is an ArcGIS Server service, and provide direct interaction with other client applications.
- **Globe (.kml) and ArcGIS (.nmf)** – launch the search result as a live service in whichever client application a user has associated with those extensions
- **ArcGIS (.lyr)** – launch the live service as a .lyr file, which is viewable in ArcGIS Desktop or ArcGIS

Search Results Explained: Access Resources Cont'd




The screenshot shows the EPA Environmental Dataset Gateway (EDG) search results page. The search term is 'water'. The results are displayed in a list format. A red box highlights the 'Expand All' button and a section for REST links. The REST links are categorized into 'Internet REST links' and 'Intranet REST links', both offering options for GEORSS, ATOM, HTML, FRAGMENT, KML, JSON, DCAT, and CSV.

Access Search results through the REST API:

- Every resource at the EDG is accessible through a REST URL
 - URL is available at the bottom of the details page
- Can use REST API to define a search
- Access resources that meet search criteria without using the EDG interface
- Can embed a REST URL in an external webpage, or subscribe to it through an RSS feed
- 8 REST format options: GEORSS, ATOM, HTML, Fragment, KML, JSON, DCAT, and CSV

`/metadata/rest/document?&xsl=metadata_to_html_full&f=html&id=%7B5E42E657-1258-4738-B2B9-333BB01C2230%7D`

Search Results Explained: Metadata Review

For Jan Demo
Just for Demo
[Open](#) [Website](#) [Details](#) [Metadata](#) [Zoom To](#) 

Review button

EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT SEARCH BROWSE DATA REUSE RESOURCES ADMINISTRATION COLLECTIONS

Details **Review** Relationships

For Jan Demo

Ratings for this resource: 0 1 You voted: You can:


Comments 1

Add a comment:

charness 2016-01-11
broken link

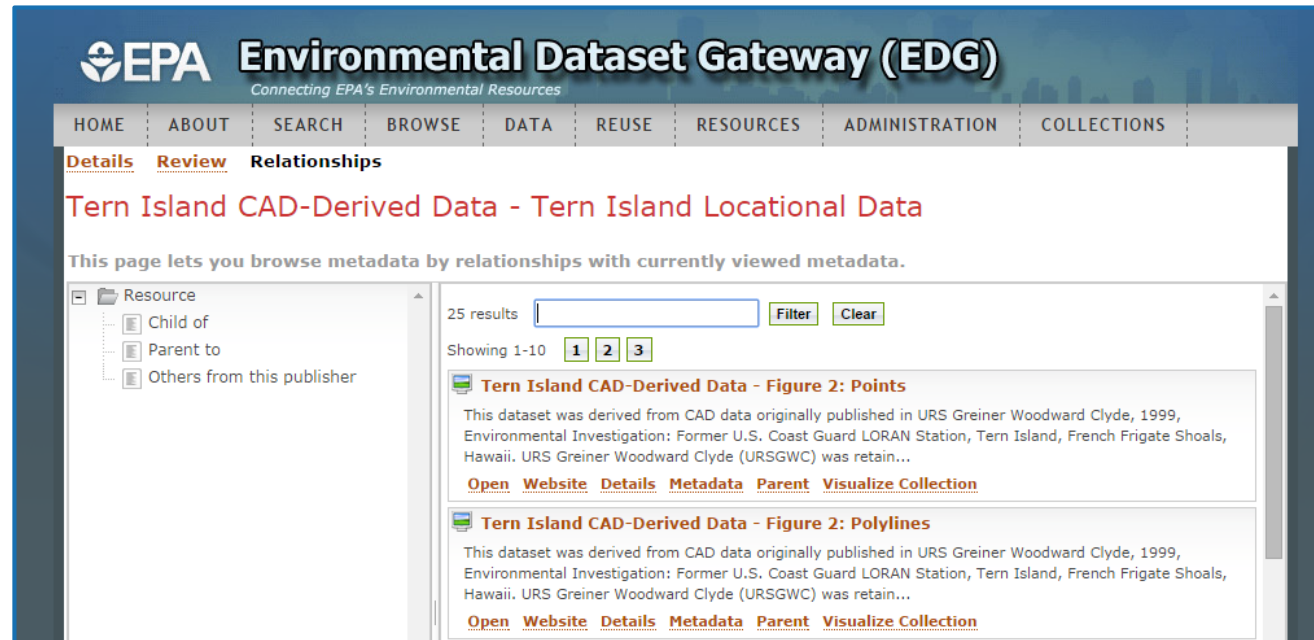
Review Page

- Vote thumbs up/down
- Post comments

For Jan Demo
Just for Demo
[Open](#) [Website](#) [Details](#) [Metadata](#) [Zoom To](#) 

Search Results After Review

Search Results Explained: Metadata Relationships



The screenshot shows the EPA Environmental Dataset Gateway (EDG) interface. The top navigation bar includes links for HOME, ABOUT, SEARCH, BROWSE, DATA, REUSE, RESOURCES, ADMINISTRATION, and COLLECTIONS. The current page is titled "Relationships" and displays "Tern Island CAD-Derived Data - Tern Island Locational Data". A sub-header states: "This page lets you browse metadata by relationships with currently viewed metadata." On the left, a tree view under "Resource" shows three relationship types: "Child of", "Parent to", and "Others from this publisher". The main content area shows 25 results, with the first two displayed: "Tern Island CAD-Derived Data - Figure 2: Points" and "Tern Island CAD-Derived Data - Figure 2: Polylines". Each result includes a brief description and a set of links: "Open", "Website", "Details", "Metadata", "Parent", and "Visualize Collection".

Browse metadata by relationships

- Child of
- Parent to
- Others from this publisher

Finding Additional Information at the EDG: About Page

EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT SEARCH BROWSE DATA REUSE RESOURCES ADMINISTRATION COLLECTIONS

About the EDG

Key EDG Features

- **Search and Discovery** - Use simple, advanced, federated, and targeted search to find geospatial and non-geospatial information resources. Check "Include Related Terms" to expand results based on acronyms and other related terms from the EPA Science Vocabulary. Keyword hints are also available to help users perform meaningful searches.
- **Data Download** - Access data provided by EDG contributors at the EDG Download Site.
- **Web-based Map Viewer** - The EPA Geoplatform Online Map Viewer is used to display geospatial resources (web services) that are discovered in the EDG.
- **Reuse Components** - Use REST outputs (GeoRSS, KML, HTML), EDG Widget, and Catalog Service for the Web interface.
- **Contribute and Manage Metadata** - Create, upload, and manage metadata that references geospatial and non-geospatial resources your EPA organization has produced.

About EDG

- [EDG Fact Sheet \(PDF\)](#)
- [EDG Standard Operating Procedure and Governance Document \(PDF\)](#)
- [List of EDG Stewards \(opens new window\)](#)

Help With EDG Functionality

- [How to Get Started Publishing Metadata to EDG \(PDF\)](#)
- [How to Post Data to EDG Clip N Ship \(PDF\)](#)
- [How to Post Data to EDG Download Sites \(PDF\)](#)
- [How to Capture and Use RSS Feeds from EDG \(PDF\)](#)
- [How to Get Started with EDG Reuse \(PDF\)](#)
- [Get Help Logging In](#)

Help With Metadata Creation

- [EPA Recommendations for Metadata Documentation \(PDF\)](#)
- [EPA Metadata Editor \(opens new window\)](#)
- [EPA Geospatial Metadata Technical Specification \(PDF\)](#)
- [EPA Generic Metadata Style Guide \(PDF\)](#)
- [Project Open Data Metadata Schema](#)

Related Information

- [EPA's National Geospatial Program](#)
- [Data.gov](#) [EXIT Disclaimer](#)

Environmental Dataset Gateway

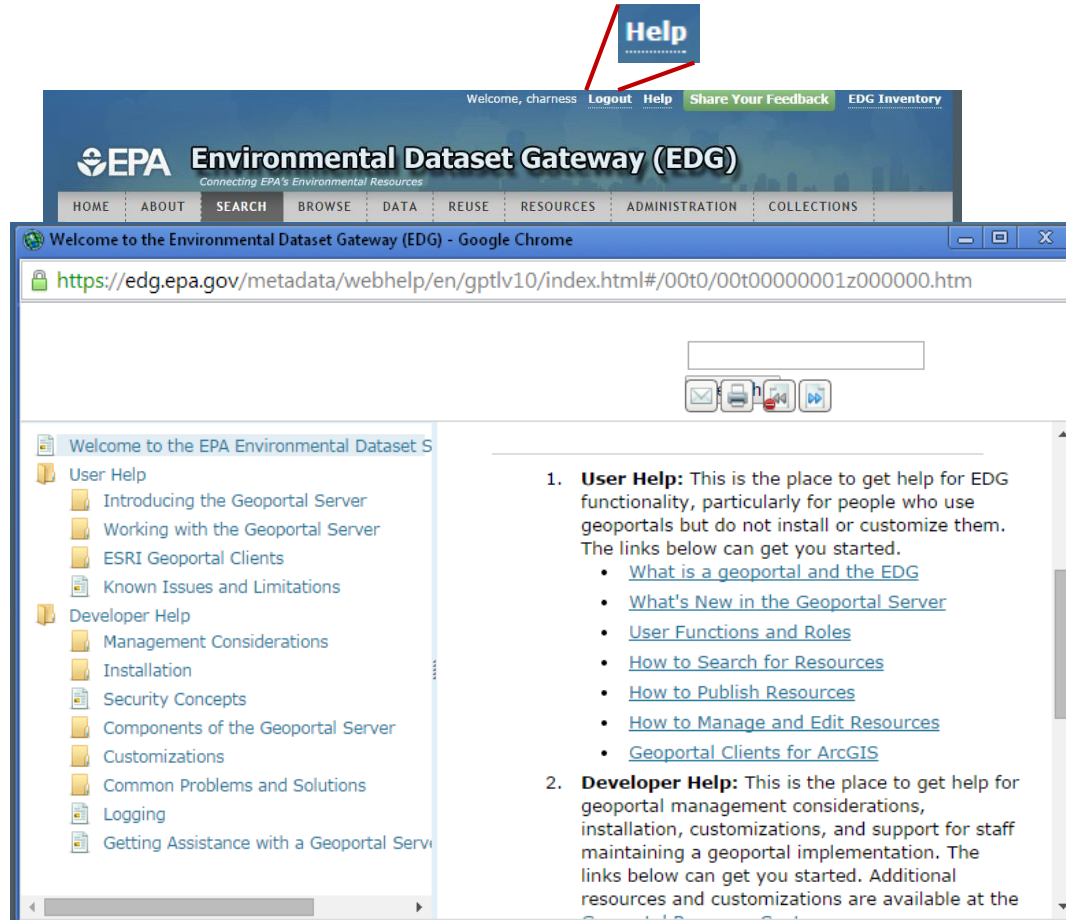
EPA Regions, EPA Programs, EPA Labs → EDG → DATA.GOV

Metadata records for restricted and unrestricted geospatial and non-geospatial data

Divided into 5 Categories

- Key EDG Features
- About EDG
- Help with EDG Functionality
- Help with Metadata Creation
- Related information

Finding Additional Information at the EDG: Help System



Help System

- 2 Types of Help
 - User Help
 - Developer Help
- Allows free text search
- Content-sensitive help

DEMO



Search and Discover 101:

Important URLs

- Using Lucene Search Text Queries:
https://edg.epa.gov/metadata/webhelp/en/gptlv10/index.html#/Using_Lucene_Search_Text_Queries/00t000000004000000/
- 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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