



## GeoData Gateway

Connecting EPA's Geospatial Resources

### Putting the GeoData Gateway (GDG) to Use

#### Access the GDG

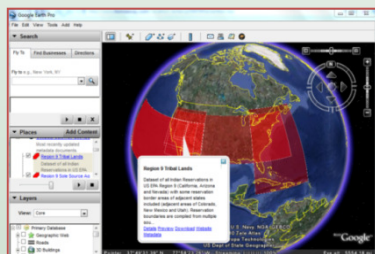
<http://geogateway.epa.gov>

Includes login for EPA personnel and contractors



#### Detailed Instructions

Link to the [Reuse Components](#) page from the GDG Home Page, or visit the [GDG Help](#)



#### For More Information

Michelle Torreano  
EPA/OEI/OIC

[torreano.michelle@epa.gov](mailto:torreano.michelle@epa.gov)

Phone: 202-566-2141

<http://geogateway.epa.gov>

#### Why Use GDG Outputs?

The GDG's reusable outputs allow you to easily promote your resources without a significant investment of time. For example, by copying and pasting simple GDG REST URLs into your web pages, you can:

- Embed **custom views** of your metadata in your websites
- Access your metadata from any web page
  - Apply your own **styles** and customizations
- Allow users to **subscribe** to dynamic **feeds** that link to your records
- Visualize your data and metadata in new and exciting ways

#### How to Embed GDG REST Outputs in Your Website

1. Perform a search at the GDG
2. Scroll to the bottom of the results list and open a REST link in your web browser (**GEORSS**, **HTML**, **HTML FRAGMENT**, or **KML**)
3. Paste the URL into a web page as `<href>` or `<iframe>`. You can use additional parameters to customize your REST URLs. For example:

```
<a href="https://geogateway.epa.gov/geoportal/rest/find/document?searchText=ecoregions&f=html&xsl=fgdc">
```

For more information, please see the [GDG Help](#).

#### How to Include Stylesheets

You can stylize GDG HTML output to match your organization's look and feel. To specify do this, use the `&style` parameter to link to a stylesheet in css format. For example:

```
<a href="https://geogateway.epa.gov/geoportal/rest/find/document?searchText=eco&f=html&xsl=fgdc&style=[your.css]">
```

To specify a stylesheet for a metadata record, use the `&xsl` parameter to the URL and specify a particular stylesheet (fgdc, fgdc\_classic, fgdc\_faq, fgdc\_esri, iso, iso\_geography\_network, fgdc\_geography\_network, fgdc\_plus).

For example, the fgdc\_faq stylesheet would be specified as:

```
http://geogateway.epa.gov/geoportal/rest/document?id={Your Record's ID}&xsl=fgdc_faq
```

#### How to Embed GDG KML Output in a Map

To embed KML output in a web map on your website, copy the GDG REST Output (in KML format) from your search results and paste the link into your website's map as a KML Layer.

#### How to Embed the GDG Search Widget

To embed the GDG Search Widget in your site, include the following two lines in the `<script>` section of your web page:

```
http://serverapi.arcgisonline.com/jsapi/arcgis/?v=1.3
```

```
http://geogateway.epa.gov/geoportal/widgets/searchjs.jsp
```

<http://geogateway.epa.gov>

## Putting the GeoData Gateway (GDG) to Use

### About GDG REST Outputs

The GDG's REST (Representational State Transfer) API (Application Programming Interface) provides you with a powerful way to access and embed GDG content directly and dynamically in other web applications or pages. When you search the GDG, links to internet and intranet REST results are displayed below the search results. The intranet URL provides access to the full set of EPA records (restricted and unrestricted) without requiring that users login, while the internet URL only provides those users who are logged into the GDG with access to restricted records. Only the internet URL should be used for public websites.

REST Output	Integrates With
GEORSS	Web browsers, RSS Readers, web mapping applications
HTML/FRAGMENT	Web pages, Content management systems, Wikis
KML	Web mapping applications, standalone KML viewers

### Embed Outputs in Your Website

It is easy to embed REST outputs into your website. Simply search the GDG for your records, copy the REST link at the bottom of the Search Results page (internet or intranet), and paste the link as `<href>` or `<iframe>` in your HTML file. The following example would link your website to a GDG metadata record :

```
<A href=https://geogateway.epa.gov/geoportal/rest/document?id=[Your Record's UUID]&xsl=fgdc>Your Record's Title</A>
```

### Choose a Stylesheet

The GDG allows you to apply custom stylesheets to the REST interface HTML output and to individual metadata records. Stylesheets allow you to format the look and feel of GDG outputs to meet your needs. To apply the stylesheet of your choice, edit the URL of your GDG record so that the `&xsl=` parameter is followed by one of the following options: `fgdc_geography_network`, `fgdc`, `fgdc_classic`, `fgdc_faq`, `fgdc_esri`, `fgdc_plus`, `iso`, `iso_geography_network`. You can also create your own custom stylesheet and have it hosted at the GDG.

### Embed KML Output In a Map

For web users without access to GIS software, web-based maps (such as Google or Bing) provide a convenient way to view geospatial data. Overlaying the GDG's KML output on a web-based map can provide your users with a unique view of your metadata and data. To embed a KML Output in a Google or Bing map on your website, copy the REST Output (KML) from your search results and paste the link into your website's map as a KML Layer.

### Embed the GDG Search Widget in Your Website

The GDG Search Widget makes it possible to search the GDG from another web page or application. The search widget can be included on your website by simply inserting two lines of code. Users can type a search term or lucene search query in the search field and retrieve a pop-up list of records that match that search.

**EPA Office of Water (OW): Impaired Waters with TMDLs NHD Indexed Dataset**

FGDC Metadata  
Show Definitions

Description | Spatial | Data Structure | Data Quality | Data Source | Data Distribution | Metadata

**Description**

**Citation**

**Title:** EPA Office of Water (OW): Impaired Waters with TMDLs NHD Indexed Dataset  
**Originators:** US Environmental Protection Agency, Office of Water  
**Publisher:** U.S. Environmental Protection Agency  
**Publication place:** Washington, DC  
**Publication date:** 20100108  
**Edition:** 20100108  
**Data type:** vector digital data  
**Data location:** [http://watersgeo.epa.gov/ArcGIS/rest/services/OWRAD/ALL\\_OW RAD\\_NAD83/MapServer/](http://watersgeo.epa.gov/ArcGIS/rest/services/OWRAD/ALL_OW RAD_NAD83/MapServer/), <http://www.epa.gov/waters/data/downloads.html>

**Description**

**Abstract:** 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 tracked. TMDLs are pollution control measures that reduce the discharge of pollutants into impaired waters. A TMDL or Total Maximum Daily Load is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. What is a total maximum daily load (TMDL)? Water quality standards are set by States, Territories, and Tribes. They identify the uses for each waterbody, for example, drinking water supply, contact recreation (swimming), and aquatic life support (fishing), and the scientific criteria to support that use. A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and nonpoint sources. The calculation must include a margin of safety to ensure that the waterbody can be used for the purposes for which it is designated.



For more help, follow the [Reuse Components](#) link on the [GDG Homepage](#).