

OpenSearch

Overview

ScienceBase implements the basic requirements for OpenSearch, allowing the responses to be used in syndication formats such as RSS and ATOM. ScienceBase Catalog can also be set as a search engine in the browser. For more information, see <http://www.opensearch.org/Home>

OpenSearchDescription

The OpenSearchDescription document can be retrieved by navigating to <http://www.sciencebase.gov/catalog/items/openSearch>

```
<?xml version="1.0" encoding="UTF-8"?>

<OpenSearchDescription xmlns='http://a9.com/-/spec/opensearch/1.1/'>
  <ShortName>USGS ScienceBase</ShortName>
  <Description>USGS ScienceBase Search - http://www.sciencebase.gov</Description>
  <Tags>USGS ScienceBase</Tags>
  <Contact>sciencebase@usgs.gov</Contact>
  <Url type='application/atom+xml' template='https://www.sciencebase.gov/catalog/items?q={searchTerms}&pw={startPage}&format=atom' />
  <Url type='application/json' template='https://www.sciencebase.gov/catalog/items?q={searchTerms}&pw={startPage}&format=json' />
  <Url type='text/html' template='https://www.sciencebase.gov/catalog/items?q={searchTerms}&pw={startPage}&' />
  <Image height='72' width='178' type='image/jpeg'>http://www.usgs.gov/images/header_graphic_usgsIdentifier_white.jpg</Image>
  <Image height='16' width='16' type='image/vnd.microsoft.icon'>https://www.sciencebase.gov/catalog/images/favicon.ico</Image>
  <Image height='16' width='16' type='image/jpeg'>https://www.sciencebase.gov/catalog/images/favicon.jpg</Image>
  <Query role='example' searchTerms='water' />
  <Developer>ScienceBase Development Team</Developer>
  <SyndicationRight>open</SyndicationRight>
  <AdultContent>>false</AdultContent>
  <Language>en-us</Language>
  <OutputEncoding>UTF-8</OutputEncoding>
  <InputEncoding>UTF-8</InputEncoding>
</OpenSearchDescription>
```

Google Maps Example

<https://maps.google.com/maps?dg=feature&output=classic> and enter any atom response in the search box. For example:
<https://www.sciencebase.gov/catalog/items?q=sage+grouse&pw=1&format=atom>