

Map Service Status Checker

A Map Service Status Checker application was developed by the Federal Geographic Data Committee (FGDC) that is employed in geodata.gov to provide an indication of the Map Service Availability. A Service Availability icon in the geodata.gov search results indicates the probability that a live map service is up and running and will therefore successfully display in the geodata.gov Map Viewer or other compatible map viewer. The Service Availability icon is analogous to the signal strength indicator on a cell phone. The more blue bars in the icon, the more likely the service is operational.

Service Availability Icon in the geodata.gov Search Results

The screenshot shows a list of search results. The first result, 'U.S. Southeast Atlantic Shoreline Change Internet Map Server', has a service availability icon with two blue bars, indicating a 'Good' status. The second result, 'San Diego Satellite Imagery', has a 'Not Good' status icon (one blue bar). The third result, 'California Roads (BIS)', has a 'Bad' status icon (no blue bars).

Status Icons and Meanings

Icon	Status	Service Availability Score
	Excellent	76-100
	Good	51-75
	Not Good	26-50
	Bad	0-25
	Unknown	Insufficient data
	N/A	Information is not available

Context Menu in geodata.gov Search Results

The screenshot shows a search result for 'WMS Global Mosaic'. A context menu is open over the result, listing options: View Summary, View Full Metadata, Go To Website, Add to Map, Add to Globe, Service Availability (highlighted), Contact Owner, Zoom To, and Close Menu.

In the search results, you can place the mouse over the Content Type icon to see a context sensitive menu. One of the menu items, Service Availability, will open the FGDC Map Service Checker Service Analysis Report. The Service Availability report can also be accessed by clicking on a link on the metadata Summary Page. This report provides the detailed diagnostic information that goes into determining a service's availability. Thus, the Map Service Checker is a useful tool for data providers as well as for users of the data.

How Service Availability is Determined

A score is assigned to each live map service in geodata.gov by the FGDC Map Service Checker. The Map Service Checker performs a series of tests on each live map service on a daily basis and records the results. The results of these tests are used to calculate a score consisting of a seven day running average of each service's reliability, and response time. The calculated score is obtained through a request to the Map Service Status Checker web service to request each score then display the appropriate icon in the geodata.gov search results.

The context sensitive menus (available by holding the mouse over the search result content type icon located to the left of the title and text) display a new menu item named "Service Availability". When this menu is selected, a new browser window will open to display a detailed report from the Map Service Status Checker on the respective service.

The detailed results of testing for each live map service and further diagnostics can be reviewed at the FGDC Map Service Status Checker Web site at: <http://registry.gsdi.org/statuschecker/>

Map Service Checker Service Analysis Report

Service Analysis Report for 07-29-08

GOS Service Registration Information
The following service information was registered through the Geospatial One-Stop (GOS) portal.
ID: {146D9D14-49C1-47E5-88CD-2B0AD7660428}
Name: 'MarineMapper' - Pacific Coast Groundfish Essential Fish Habitat (EFH) Map service
Registered Service:
Service Type: IMAGE
Service Name: MarineMapper
Service Owner:
Service Metadata:

Daily Test Results
The following tests were performed on the above registered GOS services. Click here for more details on the tests performed.

HTTP:
Connector:
GetServiceInfo:
Get Image: [View Layers](#)

Potential Service Issues:
• No Errors Reported.

Recommendations:
Error Summary:
• No Error Summary Available.
Action Items:
• No Action Items Available.
GOS Registration:
• No suggestion Available.

Summary Test Results from 07-26-08 to 07-29-08:
The following calculations were performed on this service using the last 7 tests results. Click here to see how these calculations were performed.

	07-26-08	07-27-08	07-28-08	07-29-08
Machine:	↓	↓	↓	↓
HTTP:	↓	↑	↑	↑
Connector:	↓	↑	↑	↑
GetServiceInfo:	↓	↑	↑	↑
GetImage:	↓	↑	↑	↑

So register your Web Map Services in geodata.gov today and use the Map Service Checker to verify that your service information correctly enables users to display the map services in Open Geospatial Consortium (OGC) compliant map viewers. Your publishing efforts will help build a stronger National Spatial Data Infrastructure (NSDI)!

