

## Basic OGC WMS Viewer without ECW Plug-in

### **OVERVIEW**

This page is an example of a basic **OGC WMS Viewer**. If you are unfamiliar with the Open GIS Consortium and the specifications for their Web Map Service then you should refer to the section in the Image Web Server User Guide that deals with this protocol.

The Image Web Server WMS Protocol uses a JPEG (or PNG) subsetting service that is available as part of Image Web Server and uses the ecw\_wms.dll ISAPI Filter to allow any image on the server to be accessed using plain HTTP requests. The image is extracted to a JPEG or PNG image in accordance with the WMS specification for GetMap requests.

The advantages of this protocol are that it does not require an ECW plug-in so users can access the web page and view imagery without a download and install procedure for the plug-in. It is also rapidly becoming an industry standard and is supported by a number of companies in the geospatial industry.

The disadvantage is that it does not provide streaming imagery so every time that a new image extent is required a new image must be requested and received from Image Web Server.

This is a very basic viewer designed to demonstrate the principals of making the requests to Image Web Server via the WMS Protocol. You could build a more sophisticated viewer that would solve real world applications by adding multiple image layers and the GetCapabilities feature of the WMS standard.

### **PREVIOUS KNOWLEDGE REQUIRED**

Since this page uses plain HTML scripting you only need basic DHTML programming skills.

### **Images Used For the Example**

This tutorial uses the SanDiego3i.ecw image that is installed with Image Web Server so you need to have Image Web Server installed before you can view this page. You also need to have installed the ArcXML/WMS Filter when you installed your Image Web Server and made available the directory <wwwroot>/sampleiws/images/usa/ for viewing via the WMS service. If you have not done this and need instructions refer to the Image Web Server User Guide.