

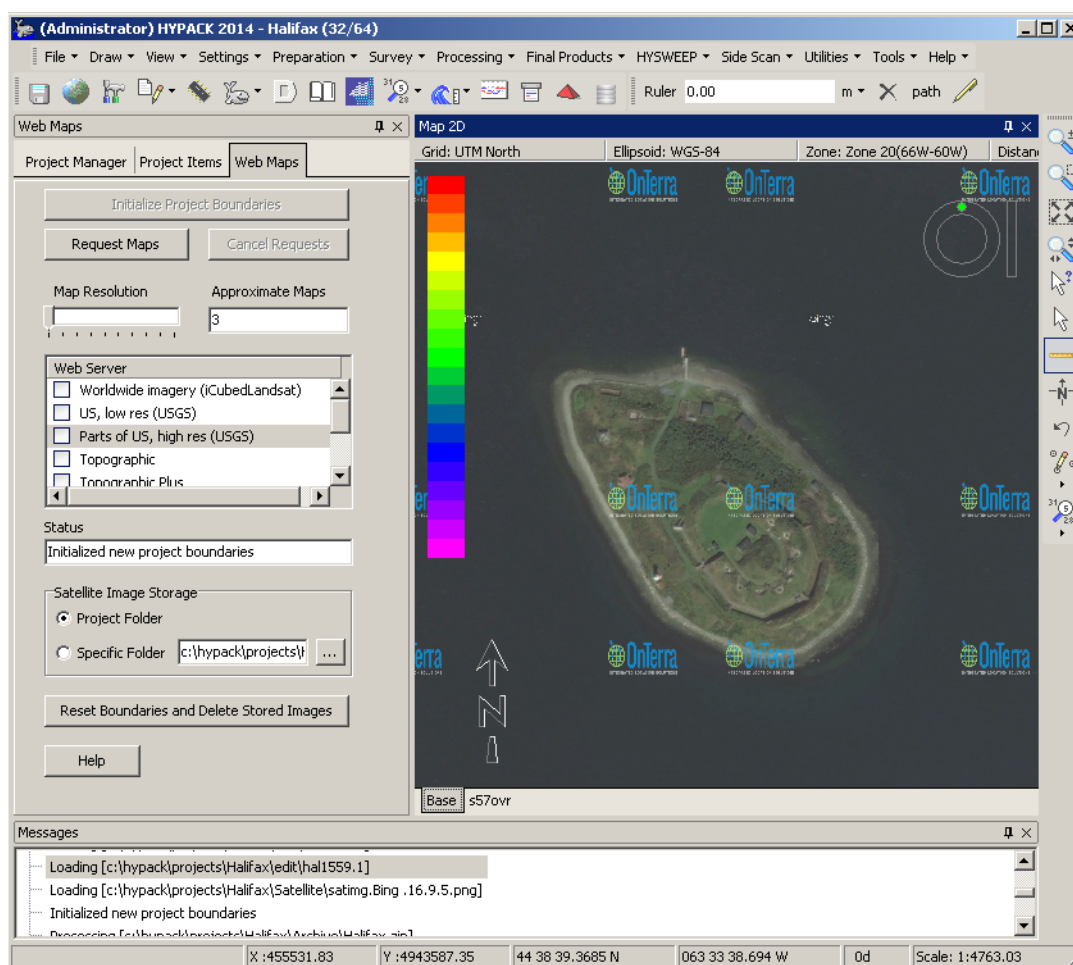


Web Maps

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Selecting Web Maps from the View menu of HYPACK® 2014 will give access to the Web Maps panel (Figure 1). This panel provides the access required to download digital maps from various Web Map Servers for use in your HYPACK® projects. The basic process is to define an overall project area, select your server and settings, zoom to the area where maps are required and click the Request Maps button. More detail on each step is provided below.

FIGURE 1. Web Map in HYPACK®



PROJECT AREA

Defines the overall area in which maps may be downloaded. Zoom to a level that encompasses your total project area. Press the Initialize Project Boundaries button. You will not be able to download images outside this range. You may reset the boundaries by clicking the Reset Boundaries and Delete Stored Images button.

MAP AREA

Zoom anywhere inside your Project area and click request maps to initiate a download session. Progress messages will show both in the Status field of the Web Maps tab as well as the Messages tab. If you wish to abandon the session click on the Cancel Requests button.

OPTIONS

Change the resolution of maps to receive by using the Map Resolution slider control. As the resolution increases the number of maps to download will increase as well. The number of Maps to be downloaded will show in the Approximate Maps box. This number is affected by your zoom level, your Map Resolution setting and the number of enabled Web Servers.

STORAGE

There are two choices about where downloaded images will be stored.

Project Folder will store all images in a folder named Satellite within each project. This is handy to keep the images tied to a specific project which in turn makes copying or transferring a project to another computer easier as there won't be any broken links to contend with.

On the other hand, if you have many projects working in the same area you may want to have all satellite images downloaded to a specific folder. In this case, all projects will be sharing the same set of images. This can be a disk space saver and can insure consistent image usage throughout all projects.

SERVERS

Available Web Map servers are listed in the Web Server list. This list is populated with a few servers HYPACK has setup for you.

To request maps from a specific server simply ensure it is checked prior to requesting maps.

You may add, remove, and edit servers. Right-click on a specific server to access these options.

FIGURE 2. *Server Properties Dialog*

Note that the predefined servers won't respond to the delete server or edit server options.

You may change the name displayed in the Web Server list by editing the **Display Name** field.

The **Enabled** check box simply reflects the check state of the Server in the Web Server list.

The most important information is stored in the **URL Line** edit. This defines both the server address and some base parameters to be sent. During an actual request, HYPACK® adds further parameters to the URL string to inform the server of location specific information. If you have knowledge of a specific Web Server not listed, you may add the server and fill in the URL Line information yourself.

Some servers require the Latitude and Longitude information to be reversed during a request. The check box **Swap Latitude, Longitude** allows this requirement to be captured.

