Loading Bing Maps into HYPACK® 2014

By John Lindberg

One of the cool features available in HYPACK® 2014 is the ability to download maps from various web map servers. Unfortunately, a few of the high resolution map servers are only available here in the United States, and the free imagery available outside the United States is mediocre at best.

Although there is a licensing cost, Bing Maps is an option for users who are looking for higher resolution maps around the world. You can register for a free trial here:

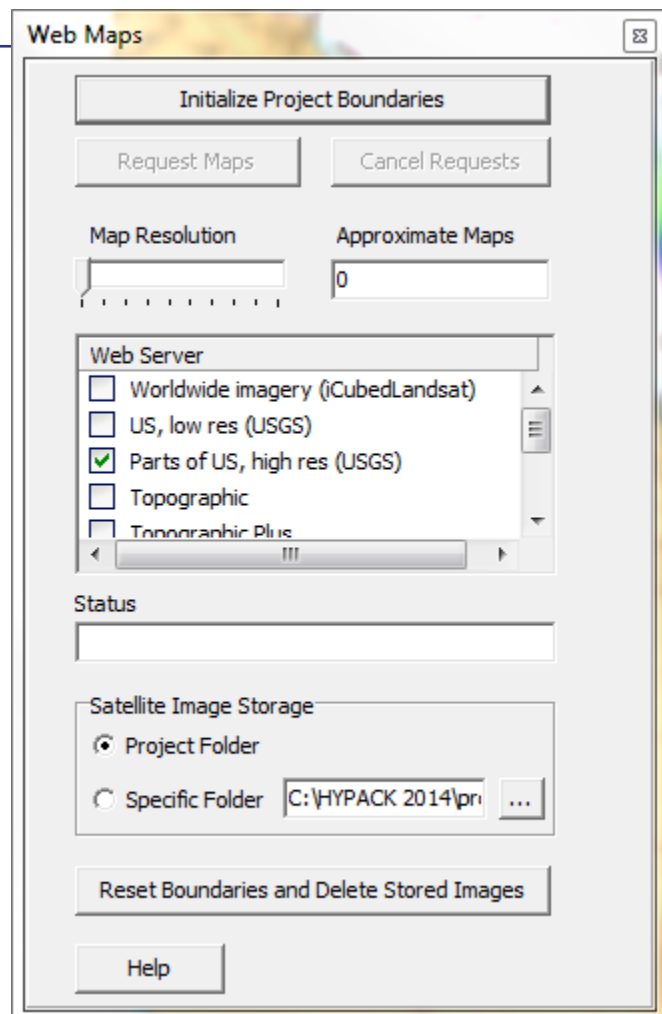http://register.onterrasystems.com/wmstrial.aspx

Once you are registered, they will email you a token, which is a 32 character code. Save this code, as you will need to enter it in the web map setup in HYPACK® 2014.

ACCESSING BING MAPS IN HYPACK®

1. **Go to the Web Maps panel**.

   FIGURE 1. *Web Maps Panel*

2. **Scroll down the list under WEB SERVER until you see BING TEST.**

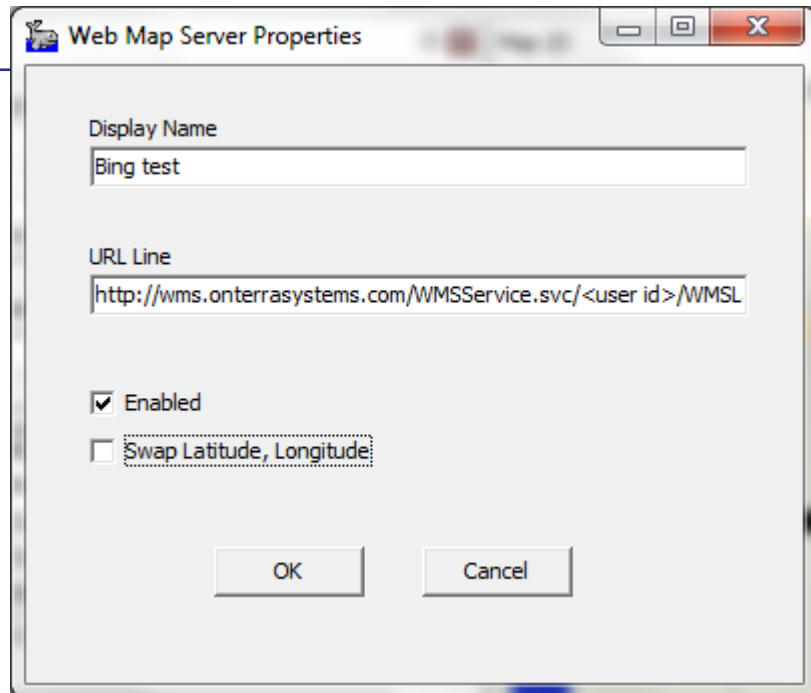3. **Right-click on BING TEST and select SERVER PROPERTIES.** You will see a dialog like Figure 2:

FIGURE 2. *Web Map Server Properties Dialog*

4. Verify the URL looks like this:

```
http://
wms.onterrasystems.com
/WMSService.svc/<user
id>/
WMSLatLon?version=1.3.
0&request=getmap&layer
s=0&crs=epsg:4326
```

5. Replace "<user id>" in the URL Line with your 32 character token and click [OK]. You should now be able to access the Bing Maps server.

The trial version "brands" the web maps with the On Terra logo. If you purchase the annual license ($60US per year) the branding will disappear.

DOWNLOADING THE IMAGES

1. **Select Bing Maps as your Web server**.
2. **Zoom into your survey area**.
3. **On the WEB MAPS panel, click [Initialize Project Boundaries]**.
4. **Adjust the Map Resolution slider**. Moving the slider to the right gives you higher resolution imagery (if available in your survey area) and a greater number of map images.
5. **Click [Request Maps]** and your maps will download.

You can always start over by clicking on [RESET BOUNDARIES AND DELETE STORED IMAGES].

Images are stored as *.png images under your Background folder as shown in Figure 3.

FIGURE 3. _Web Map Downloaded from Bing_