OREGON IMAGERY EXPLORER UPDATES AND CHANGES
https://imagery.oregonexplorer.info

What Has Been Added?

In an effort to update the Oregon Imagery Explorer offerings, the following services have been added:

2012, 2014 and 2016 - 1 Meter NAIP 4 Band RGB-NIR (SRS 2992 Dynamic and 3857 Cached)

2017 - 1 Foot 4 Band RGB-NIR – Eastern Half of Oregon (SRS 6557 Dynamic and 3857 Cached)

- NAIP_2012/NAIP_2012_SL (ImageServer)
- NAIP_2012/NAIP_2012_WM (ImageServer)
- NAIP_2014/NAIP_2014_SL (ImageServer)
- NAIP_2014/NAIP_2014_WM (ImageServer)
- NAIP_2016/NAIP_2016_SL (ImageServer)
- NAIP_2016/NAIP_2016_WM (ImageServer)
- OR_2017/OR_2017_SL (ImageServer)
- OR_2017/OR_2017_WM (ImageServer)

What is Available in the Viewer?

The Oregon Imagery Explorer makes available for viewing and comparison nine (9) dataset years of Oregon statewide aerial photography spanning from 1995 to 2017. Imagery ranges from black and white 3 band 1 Meter, to Color/NIR 4 band 1 foot.
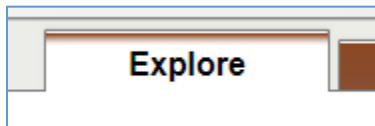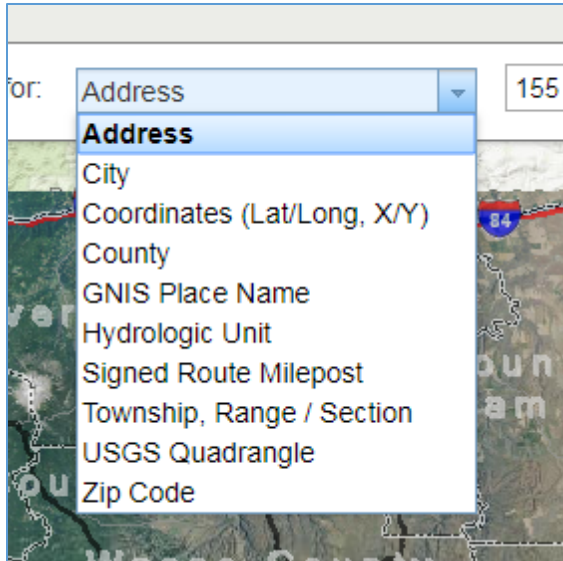

The Explore tab enables search and interactive browsing of the all the datasets on the website.

The Dataset dropdown menu allows selection of each available dataset year:
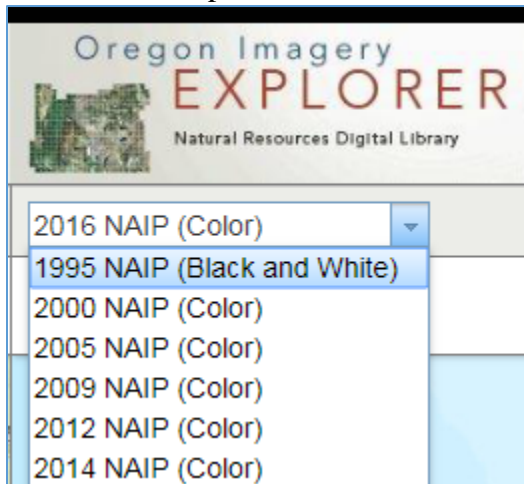
The map can be explored interactively using standard pan and zoom tools.
The Search bar dropdown menu allows for search for specific locations by searching for
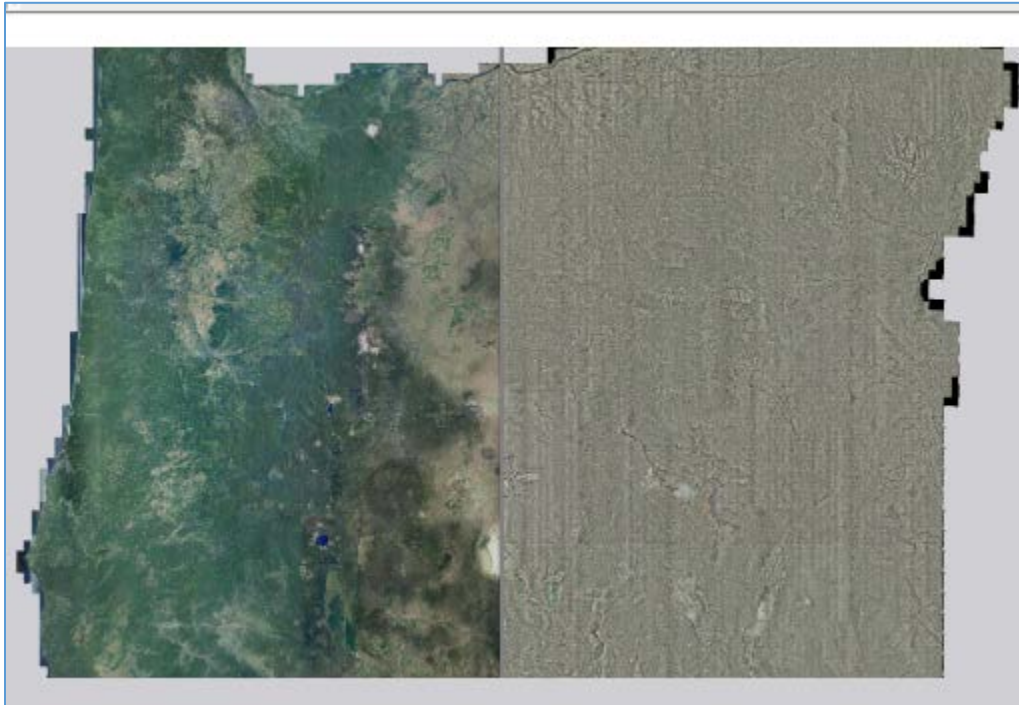Address, City, Milepost, etc.

Reference overlay datasets can be turned on and off using the Show Reference Data menu.
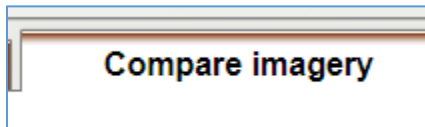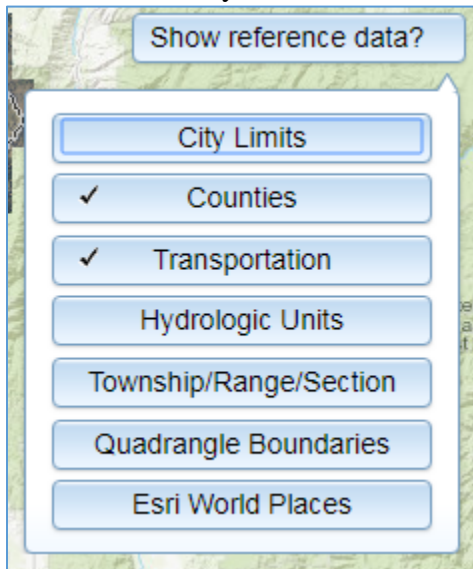
Imagery Comparison between any 2 dataset years is available on the Compare Imagery Tab.
Both Swipe and Overlay functions are available.
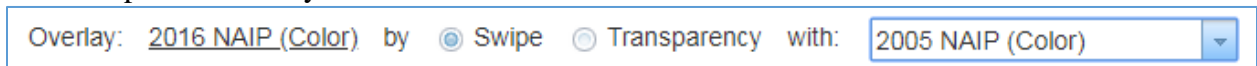
How is the Data Being Served?

Data are made available as ArcGIS Server REST Image Services. These are also available via the WMS protocol for dynamic services and WMS and WMTS for Cached services.

Services can be accessed here: https://imagery.oregonexplorer.info/arcgis/rest/

Example Rest Service:
https://imagery.oregonexplorer.info/arcgis/rest/services/NAIP_2011/NAIP_2011_SL/ImageServer
Example WMS Service:
https://imagery.oregonexplorer.info/arcgis/services/NAIP_2011/NAIP_2011_SL/ImageServer/WMSServer?request=GetCapabilities&service=WMS

How do I connect to services?

Services can be viewed in a variety of ways including a simple JavaScript Viewer, ArcGIS Online, Google Earth or ArcGIS Desktop ArcMap. Simply click one of the links at the top of the REST page for the service you are interested in.

The following instructions detail other ways of adding Map Services into ArcGIS Desktop software: http://desktop.arcgis.com/en/arcmap/latest/map/web-maps-and-services/adding-arcgis-server-map-services.htm

What Has Been Removed?

Due to increased hosting costs and server resource considerations, the following items have been removed:

- The Download Tab.
- LIDAR and Lidar derived elevation services.
- The 2009 Pictometry combined service.
- All COLOR IR services. (Note: all 4 band services are can still be used to produce Color IR imagery by manipulating the band combinations in ArcMap. See instructions below.
- Dynamic Web Mercator Services. Dynamic services are now Oregon Lambert by default and will end with _SL. Web Mercator services are now cached and end in _WM. (Note: The dynamic services (_SL) can be requested in a*ny* projection. For example Web Mercator or UTM could be requested of this dynamic service.)

How to use band combinations in web services to produce your own Color IR Imagery in ArcMap

Add the Image Service into ArcMap.
Right Click Layer > Layer Properties > Symbology Tab > RGB Composite and select the band combinations you would like to see from the 4 bands shown.
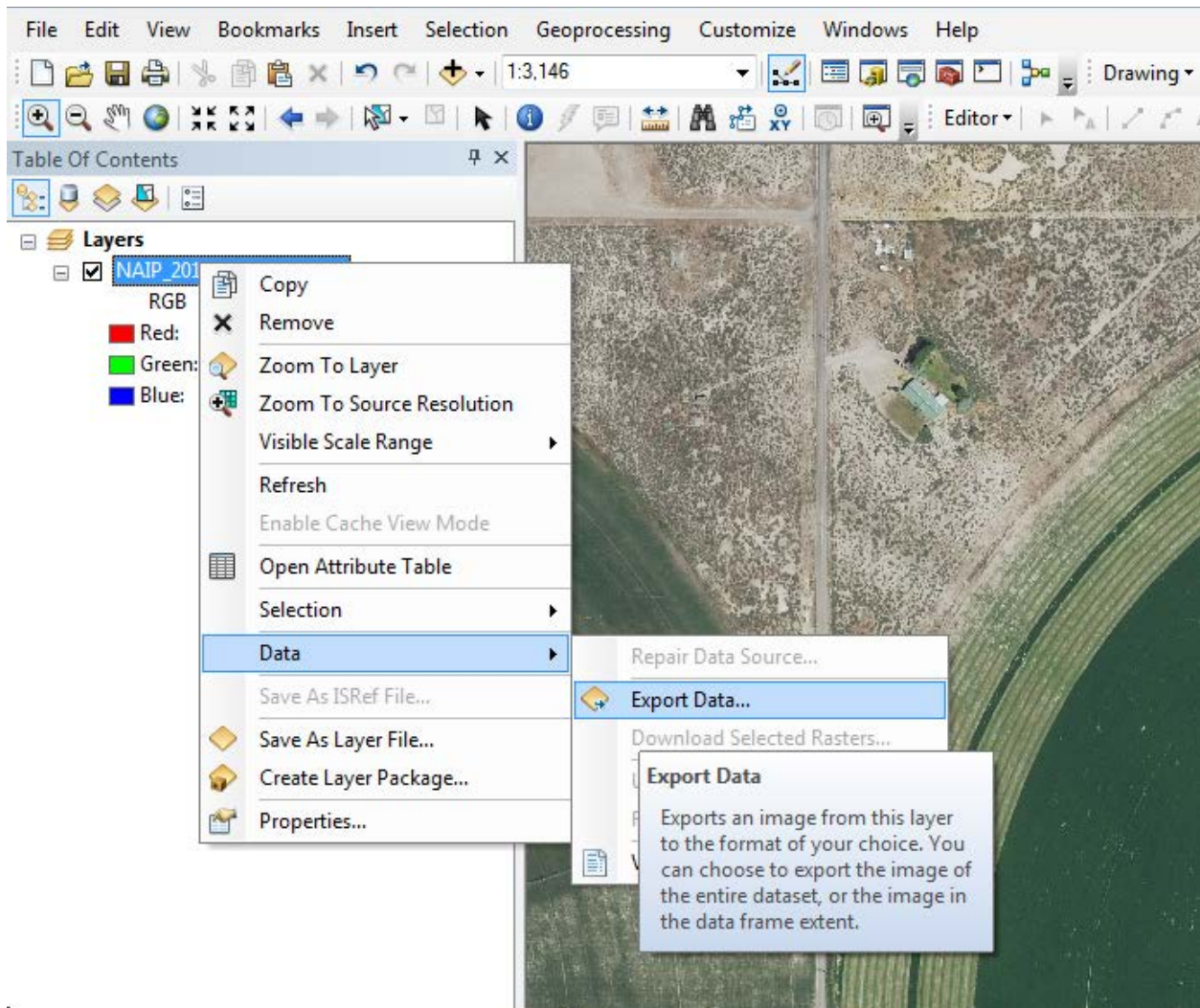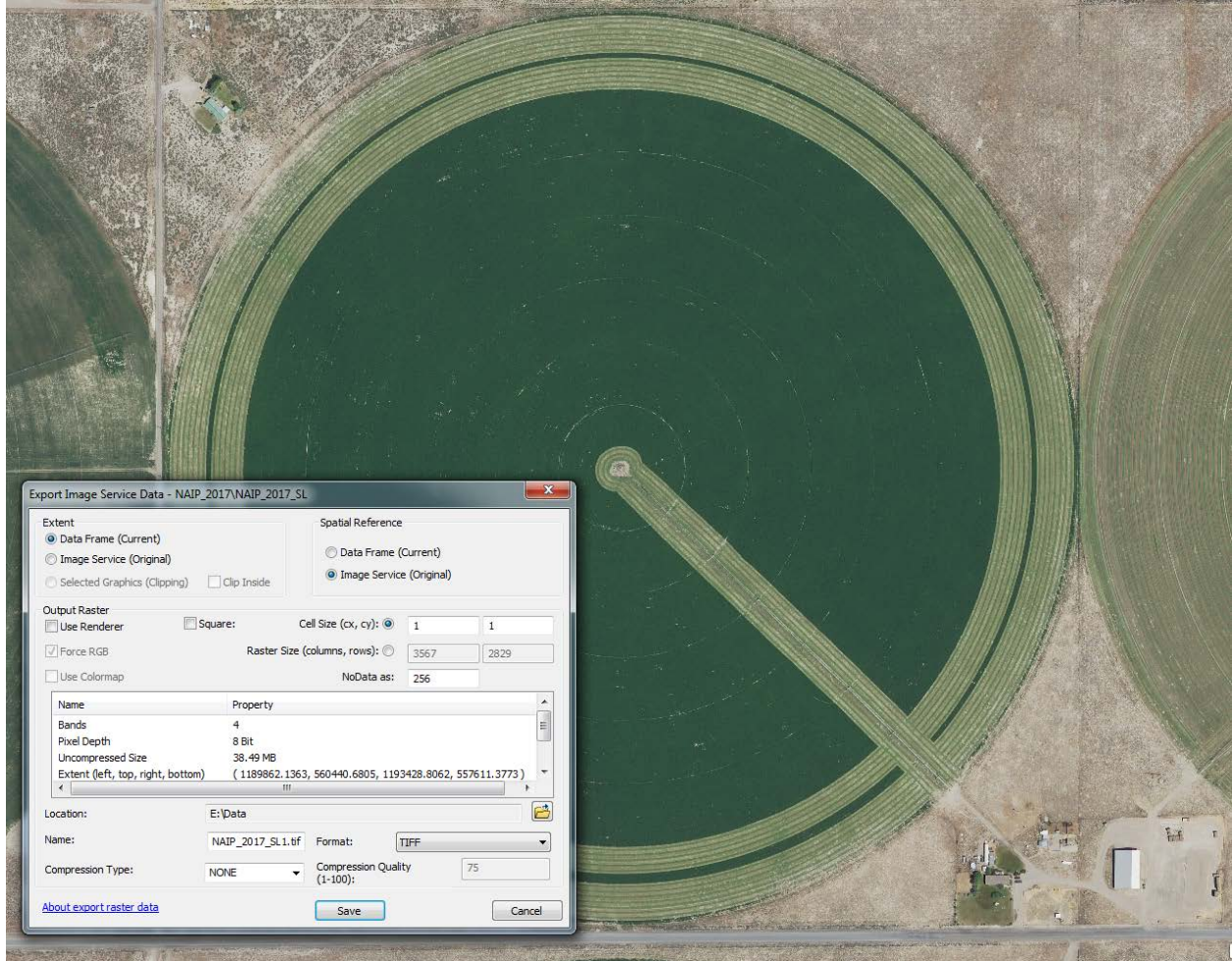1. Red   2. Green   3. Blue   4. NIR
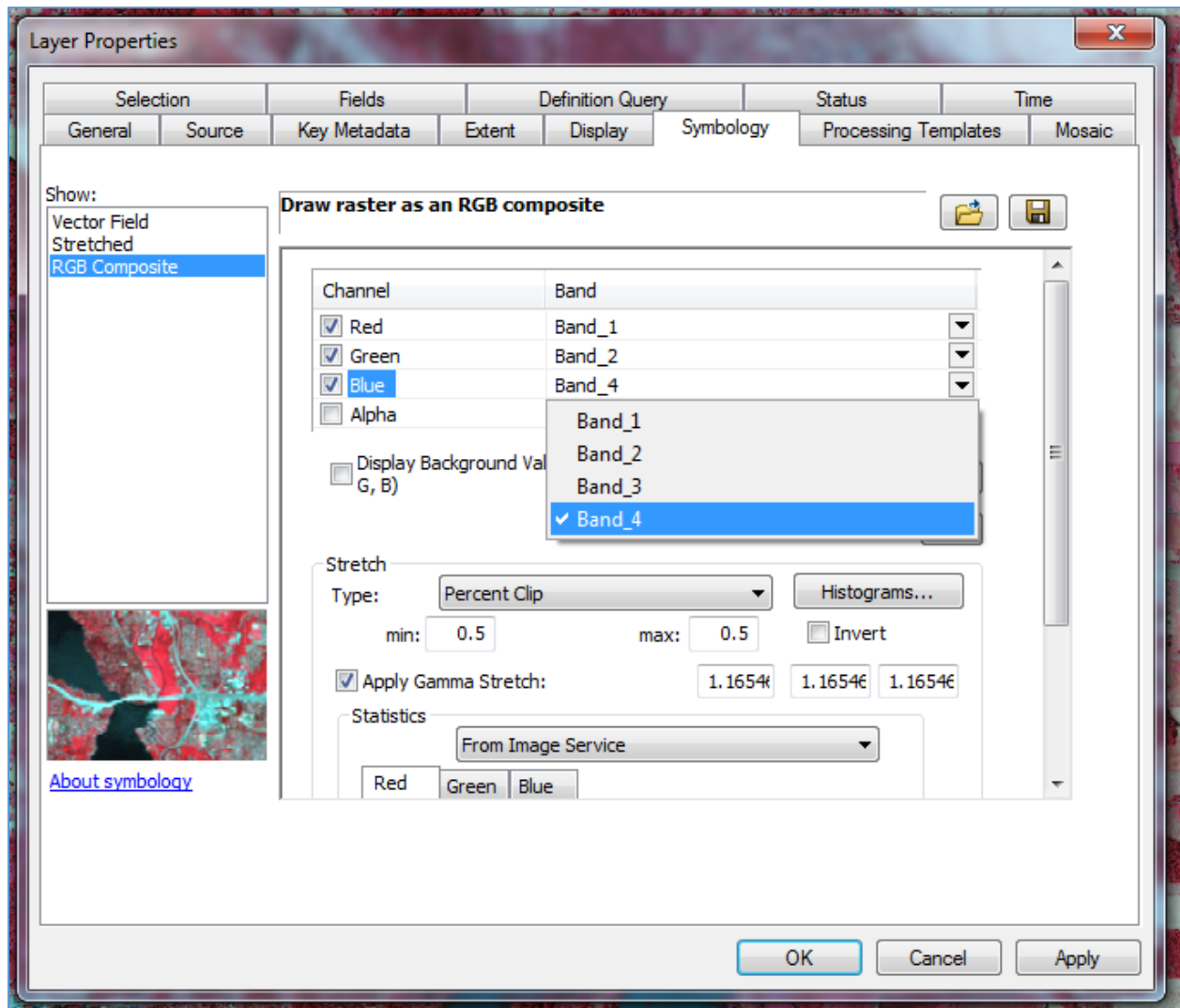
How to download/extract imagery from web services

ArcGIS Desktop Basic can used to do image extraction. Note: File size is still a factor in download directly from the Image Service. Select smaller areas for best results.

Any easy process to extract Imagery in ArcMap is to Right Click the Layer > Data > Export Data

Choose the Data Frame option. Set Image Parameters and click Save.

For further instructions please look at the following link:

http://desktop.arcgis.com/en/arcmap/latest/map/web-maps-and-services/downloading-from-an-image-services.htm