

US Pacific Basin Imagery Update

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USDA-FPAC-BC-GEO Branch

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Background

- USDA-FPAC-BC-GEO Branch's goal is to provide high quality geospatial data for all regions of the United States and affiliated territories.
- USDA has collaborated with imagery acquisitions with other Federal Agencies (USGS, NOAA etc...) via NDOP since the early 1980's.
- USDA provided additional funding to allow publishing of the internal ImageServer Service to the general public (Hawaii and US Pacific Basin GIS Community).



New Imagery Services

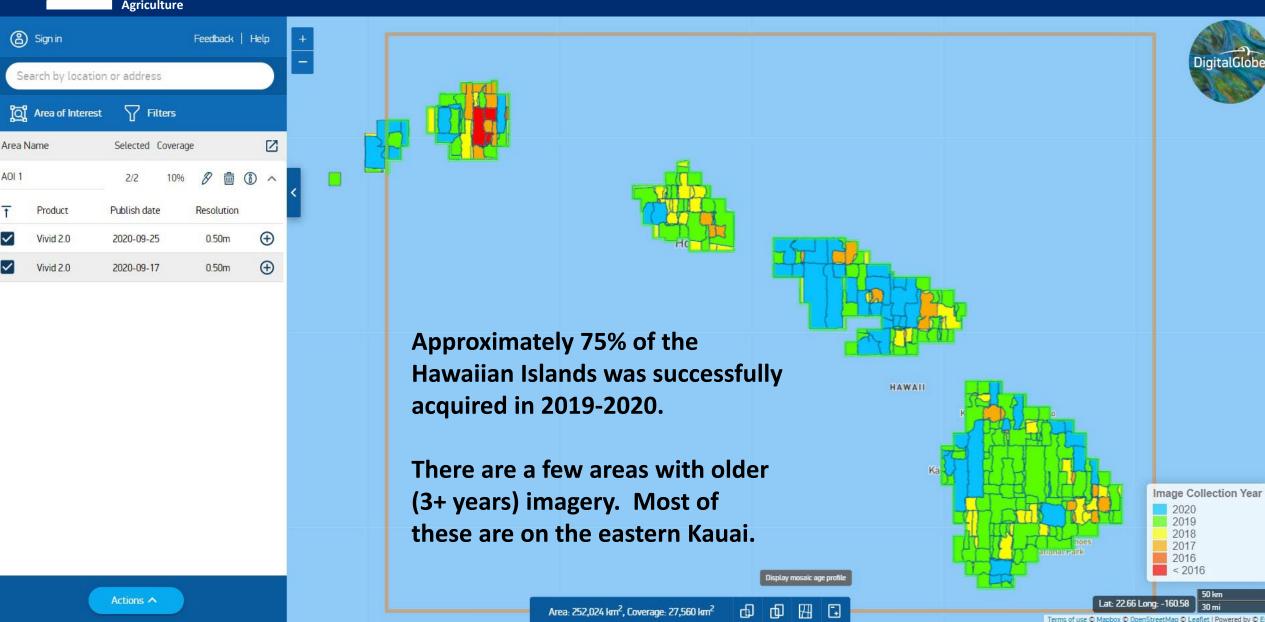
- Maxar-DG provided USDA-FPAC a new version of highresolution satellite imagery Called Vivid Basemap that has more recent imagery and easier to process by USDA.
- Maxar-DG creates updates approximately every 1-2 years for Vivid Basemap Services.
- USDA has created a new ImageServer Services for the following:
 - Hawaiian Islands
 - Guam
 - 2020
 - 2022 (New Version, Summer, 2022)
 - Commonwealth of the Northern Mariana Islands
 - American Samoa
 - Palau
 - Federated States of Micronesia
 - Marshall Islands (Summer, 2022)



Imagery Specifications

- .5 meter/50 cm Resolution
- Four Bands (Natural Color, Color Infrared)
- Accuracy CE 90 <5-meter
- Image Currency ~ 75% is two years or less

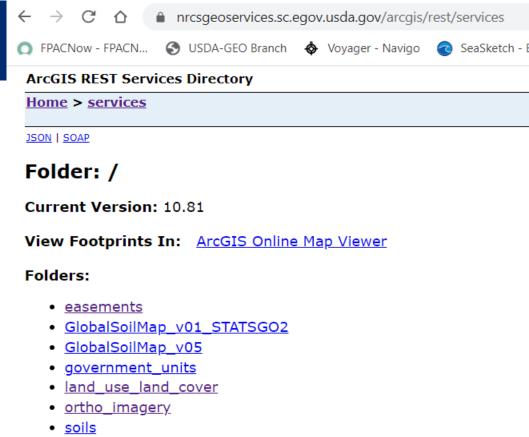






How to use new imagery service?

- Use the link below in ArcMap/ArcPro as a "GIS Server"
- Compatible with QGIS
- Use the online viewer



Services:

None

Utilities

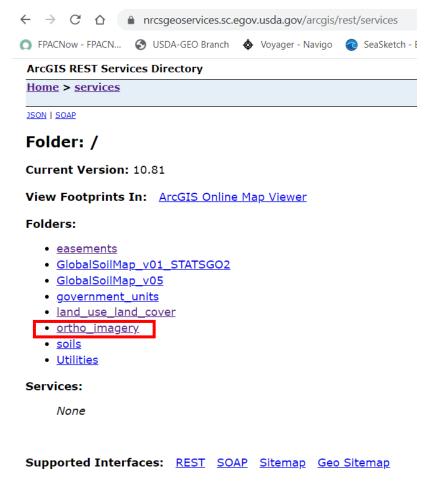
Supported Interfaces: REST SOAP Sitemap Geo Sitemap

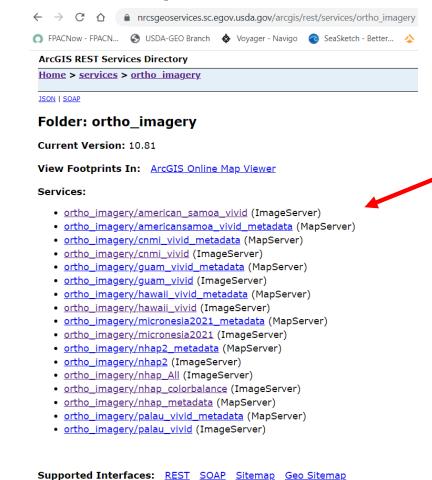
https://nrcsgeoservices.sc.egov.usda.gov/arcgis/rest/services Select "ortho_imagery"



How to use new imagery service?

Use the link below in ArcMap/ArcPro as a "GIS Server"





Imagery layers and metadata available to the general public.

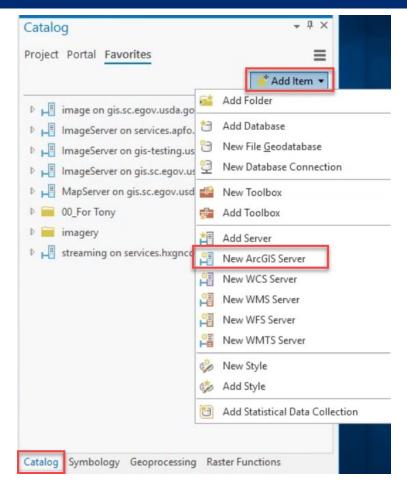
Please note that this list changes when we add or update imagery-GIS layers.

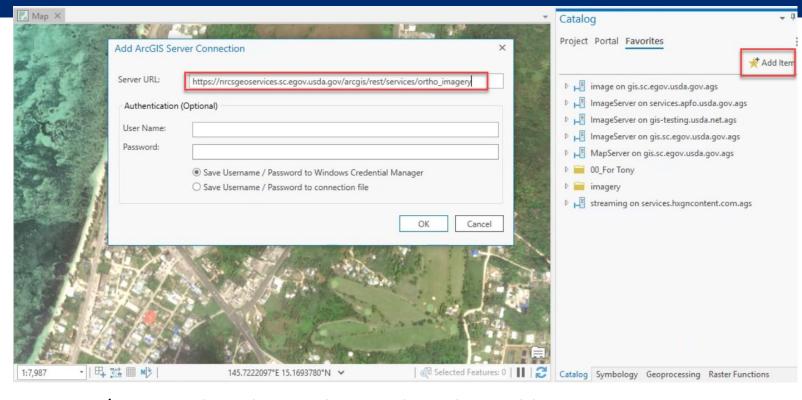
Marshall Islands imagery services are expected in early summer, 2022.

https://nrcsgeoservices.sc.egov.usda.gov/arcgis/rest/services

Select "ortho_imagery"



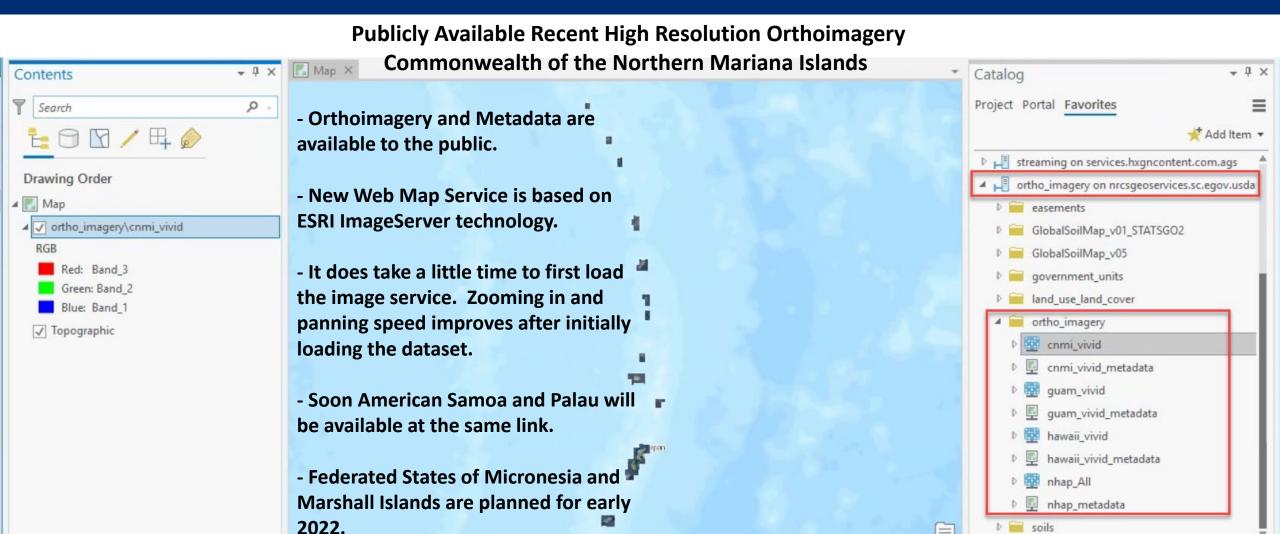




- In ArcMap/ArcPro select the Catalog window, then Add Item New ArcGIS Server
- Add in the link below in the Server URL.
- User Name and Password should remain blank. Hit Ok and wait for the new Imagery Service.

https://nrcsgeoservices.sc.egov.usda.gov/arcgis/rest/services





https://nrcsgeoservices.sc.egov.usda.gov/arcgis/rest/services

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1:6,451,851

Catalog Symbology Geoprocessing

Selected Features: 0 | | | |



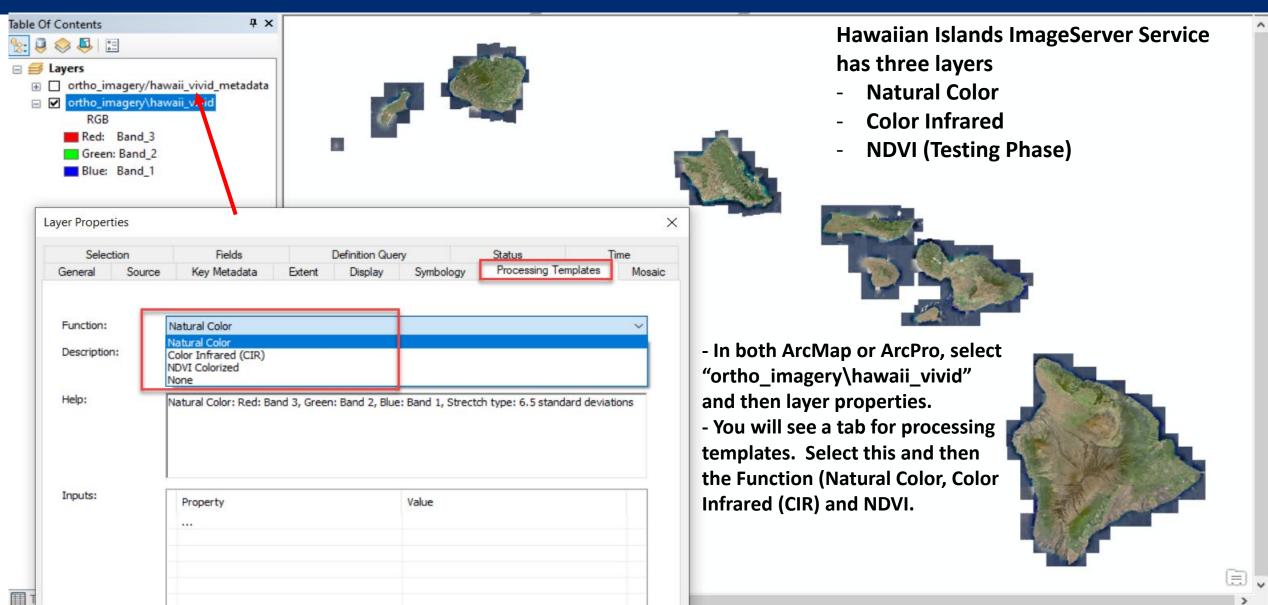
Saipan (South), CNMI



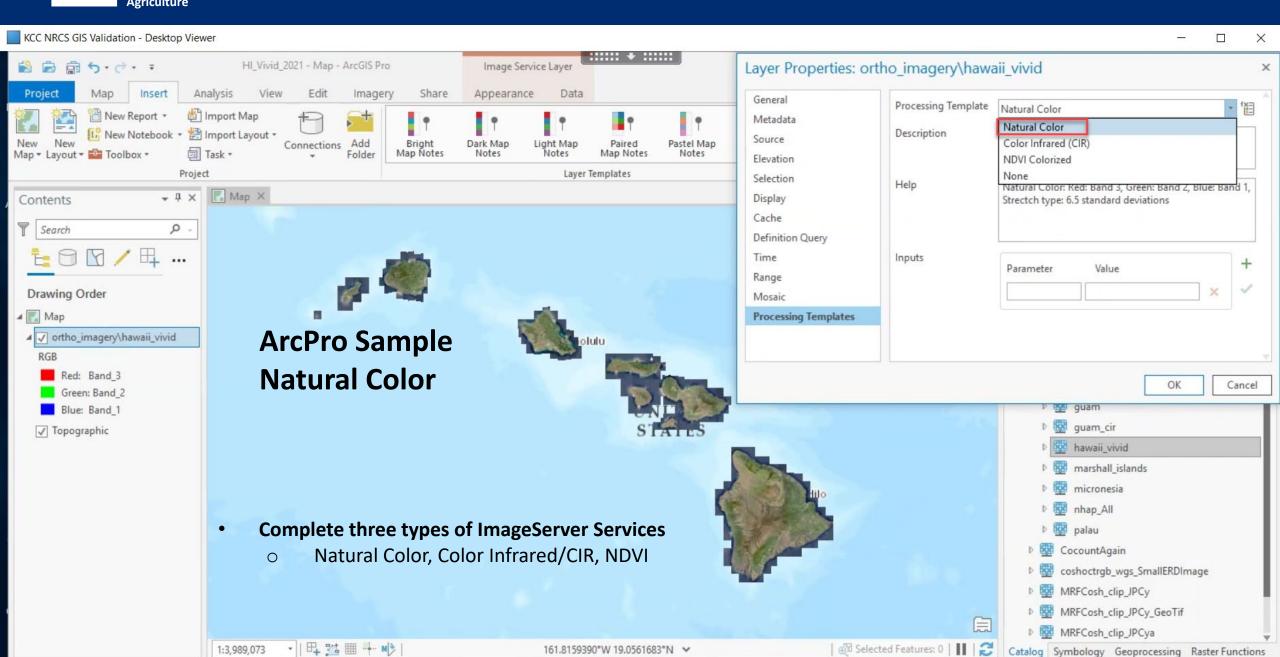
https://nrcsgeoservices.sc.egov.usda.gov/arcgis/rest/services



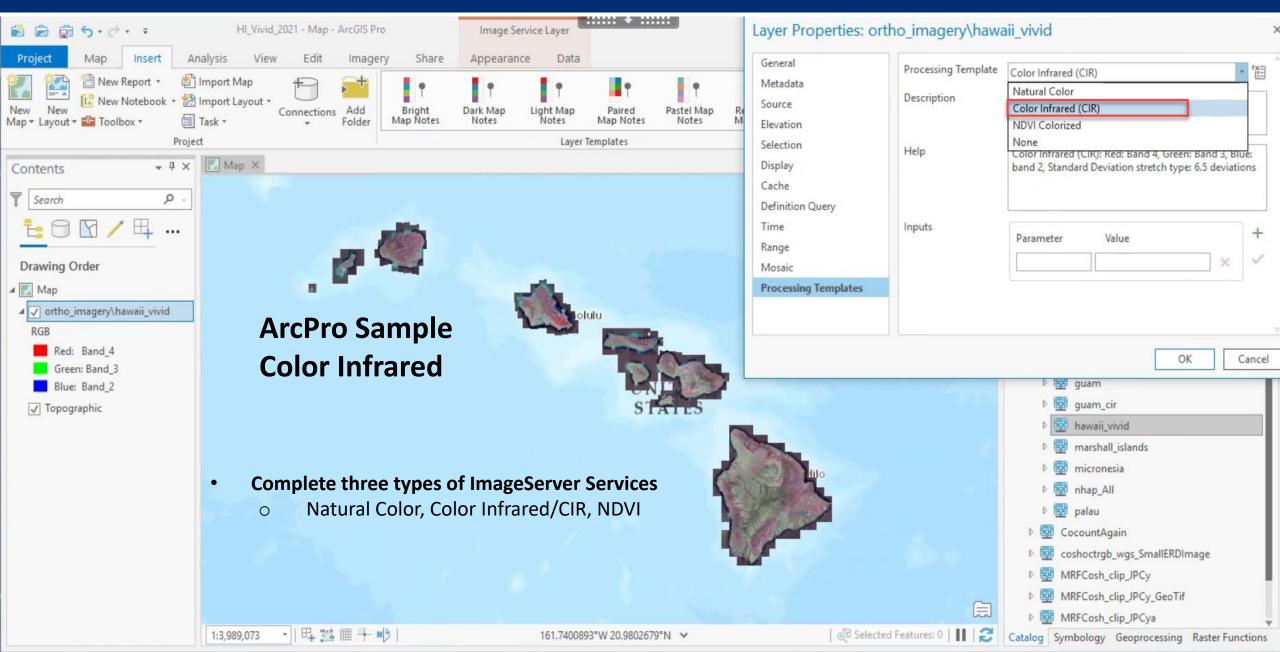
ArcMap Sample



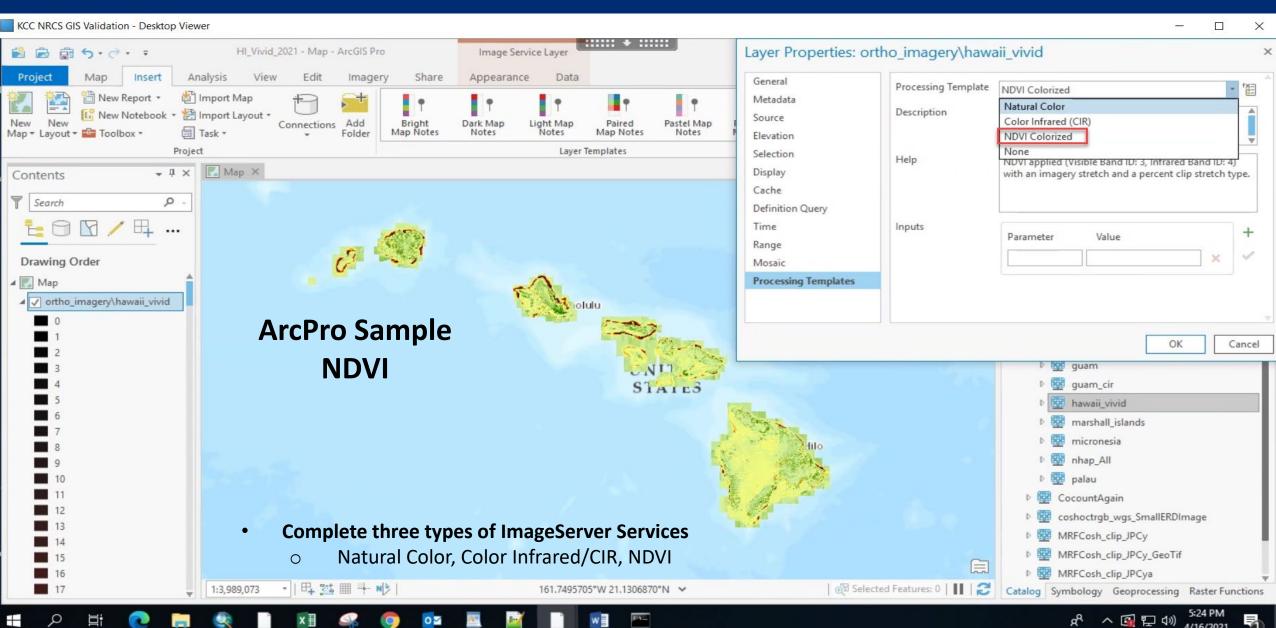




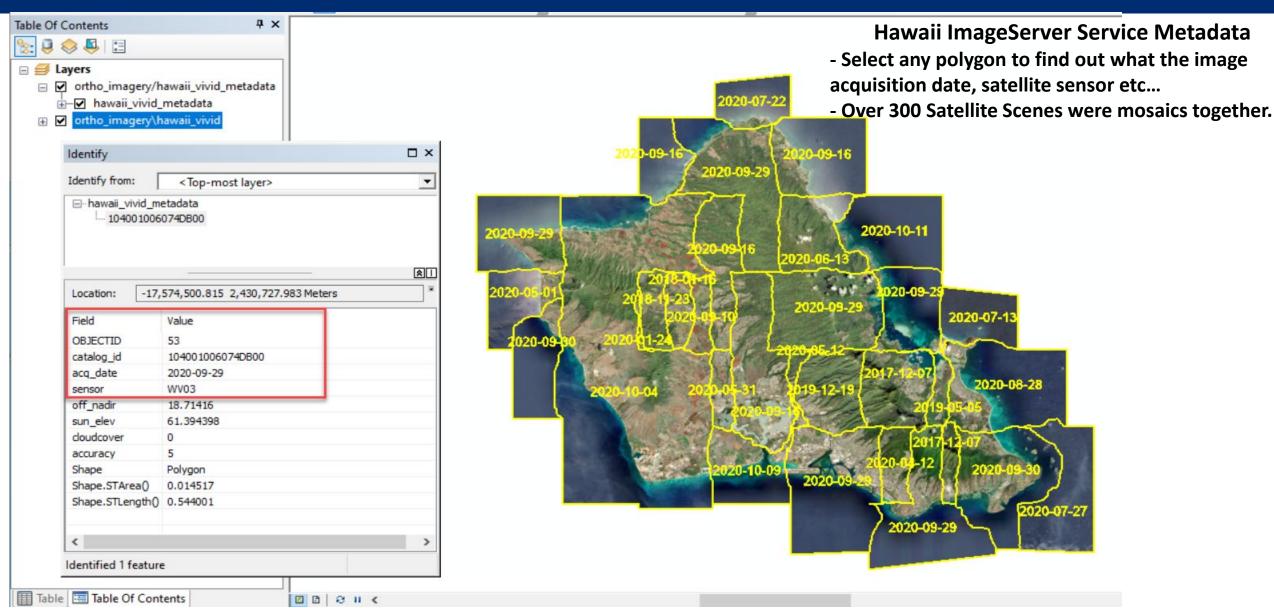




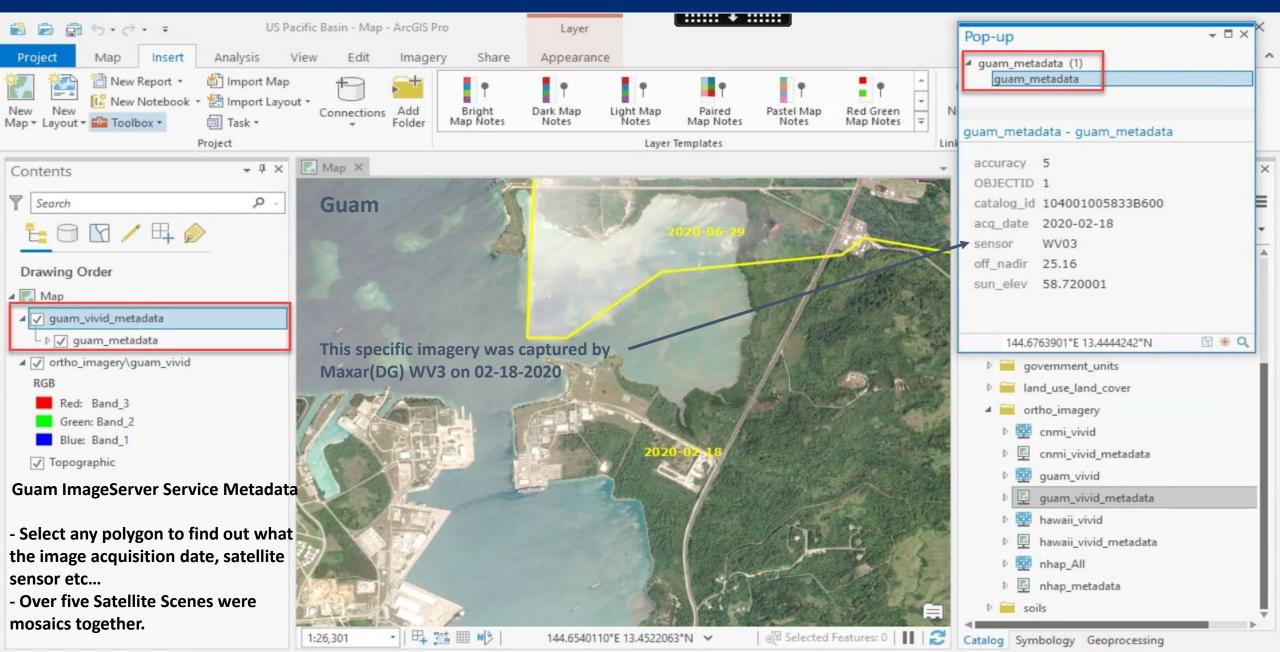


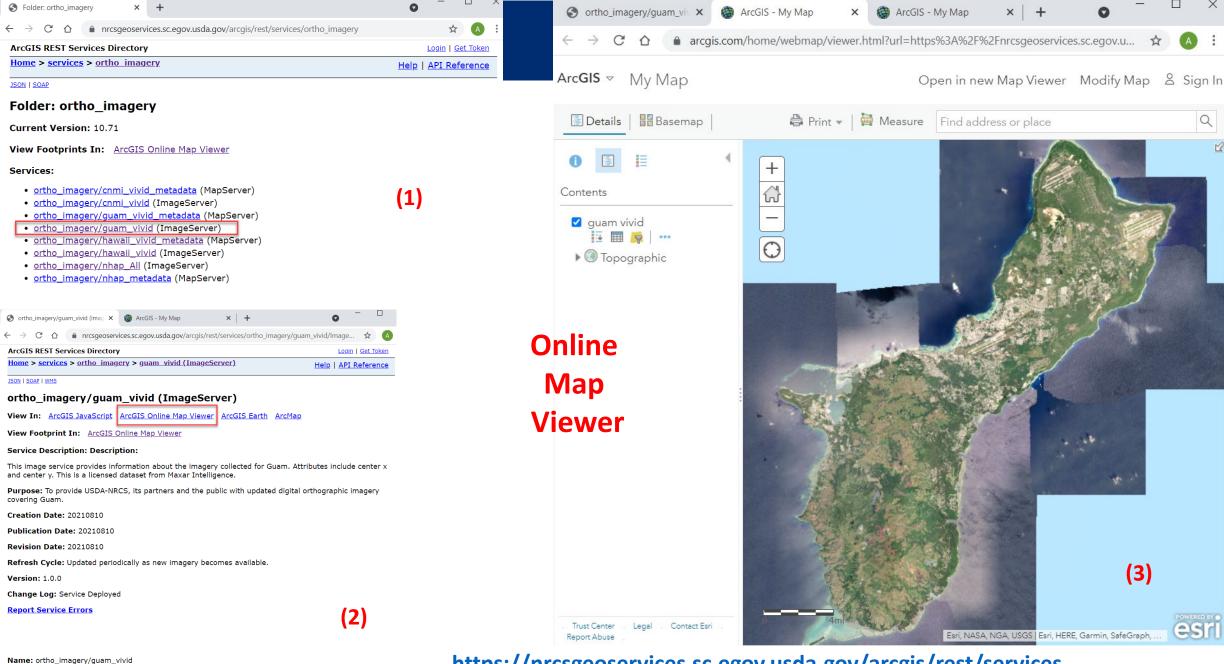












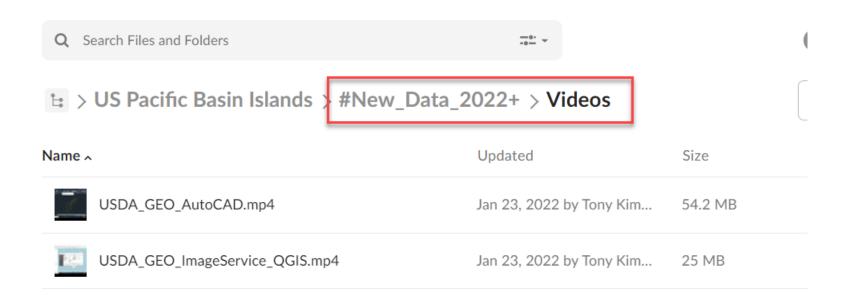
https://nrcsgeoservices.sc.egov.usda.gov/arcgis/rest/services



You can find documentation and videos on how to use the USDA Web Map Services (WMS) at the following link:

https://nrcs.app.box.com/v/gateway/folder/154646807634

There is information on how to use the WMS in ArcMap, ArcPro, QGIS and AutoCAD.





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Thank You!