

High Resolution Orthophotography (HRO) 1 foot Color Aerial Photography

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The High Resolution Orthophotography (HRO) 1 foot Color Aerial Photography from 2006 has started arriving at AGRC. Check the status graphic at http://gis.utah.gov/images/sgidraster/Available_HRO2006.jpg to see if your area(s) of interest is available yet. Each tile block is in GeoTIFF file format, is named according to US National Grid standards, and covers a 4000x4000 meter area. The file sizes for these blocks are around 740mb. As the various tiles arrive they will be available through ImageServer and FTP download (see below). If you need large areas covered by the imagery, it is suggested you deliver or mail an external hard drive on which to upload the data to Rick Kelson at AGRC.

About FTP download of the new HRO imagery: The large file size of the HRO tile block GeoTIFF files results in long FTP download times and also the need for these files to be stored in two separate directories. All HRO tiles for areas north of the southern-most point of Utah lake will be available from

ftp://ftp.agrc.utah.gov/Imagery/HRO2006_1Ft_No/HRO2006_1Ft_No/. HRO tiles south of the southern-most point of Utah lake will be available from ftp://ftp.agrc.utah.gov/Imagery/HRO2006_1Ft_So/HRO2006_1Ft_So/

A shapefile index of HRO tiles with their filenames is available at:

ftp://ftp.agrc.utah.gov/Imagery/HRO2006_1Ft_So/HRO2006_1Ft_So/hro2006_index.zip.

Tips on using HRO Imagery in ArcMap

In ArcMap, the HRO imagery is best viewed with a couple of changes to the layer properties. Add the HRO 2006 imagery (from ImageServer) as a layer in ArcMap. Right click the newly added HRO layer and choose Properties. Under the Display tab check the box next to "Make service background color transparent"; and under the Service Properties tab change the Compression method to "Uncompressed"; or "LZ77". These adjustments to the HRO2006 Layer Properties will allow you to overlay the HRO imagery over other imagery data with a larger extent, like the NAIP2006 service, minimizing No Data or "Scalloping" issues.