GENERAL DESCRIPTION

Digital orthophotos are digital images of aerial photographs in which displacements caused by the camera and the terrain have been removed. A DOQ combines the image characteristics of a photograph with the geometric qualities of a map. The standard DOQ produced by the USGS, and archived by GRANIT, is a black-and-white 1-meter ground resolution image.

The photography used to create the 1998 DOQ’s in NH was acquired in spring, 1998. (Note that in some areas of the state 1998 photography was unavailable, and thus the DOQ’s are based on 1999 or 2000 photography.) See Appendix 4 in the GRANIT Data Catalog for complete information on DOQ availability by tile.

Complex Systems Research Center has processed the source USGS .tiff files so that they will comply with GRANIT georeferencing standards. Processing involved converting each image file into a GRID, reprojecting the GRID from UTM meters, NAD27, to NH State Plane Feet, NAD83, and converting the projected GRID back into a .tiff (and associated .tfw file). Finally, the .tiff files were compressed using LizardTech MrSID software to create .sid files. Note that this format is viewable using the Windows version of ArcView 3.x or ArcMap 8.x by activating the MrSID Extension. Users unable to utilize the .sid format may contact Complex Systems Research Center to arrange for an alternate data delivery format. Additionally, a free MrSID viewer may be downloaded directly from www.lizardtech.com.

Data is archived in quarter-quad format (e.g. 3.75-minutes by 3.75-minutes). To order, reference both the GRANIT quad tile number and the specific quadrant (NE, NW, SE, SW).