



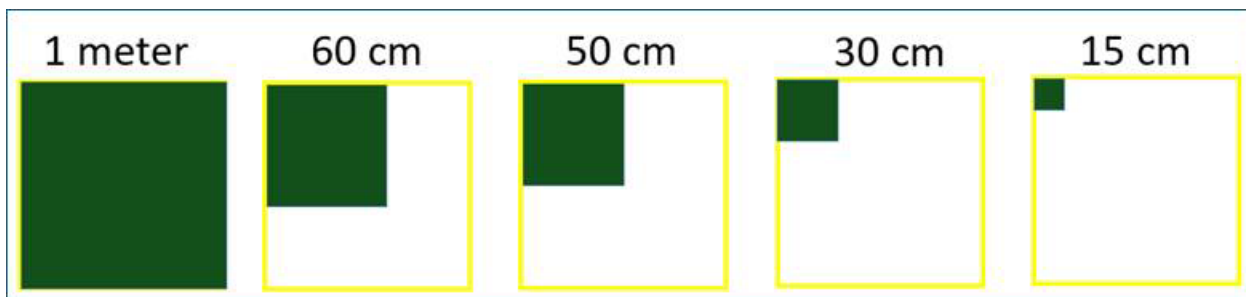
Potential Reasons for Errors with NAIP CCM Data Published in 2024

1. File size increase.

The NAIP imagery has improved over the years, going from: 2-meter or 1-meter, to 60cm, and now to 30cm in many states. The 2002-2023 NAIP coverage map, which can be found on the NAIP GeoHub at

<https://www.arcgis.com/home/item.html?id=7198c7b7e9854dcaaf36f42378dc8bc4> lists the image resolution (Ground Sample Distance) for NAIP imagery. When you double the resolution the file size is four times larger. Please refer to the graphic shown below.

Pixel Examples



2. Trouble viewing the imagery with your software.

The latest Compressed County Mosaics (CCM), which are the NAIP files that are available to the public for download via Box.com, are in the MrSID Generation 4 (MG4) format. Previous CCMs have been in the MG3 format and have three bands, RGB or CIR. The latest version of the CCMs is in the MG4 format and has all four bands in one CCM. Most but not all geospatial software is compatible with the MG4 format. More information about the MrSID formats can be found at the links below.

<https://help.extensis.com/hc/en-us/articles/360007893574-Differences-between-MG2-MG3-MG4-and-JPEG-2000-formats>

[http://doc.lizardtech.com/files/geo/datasheets/MG4 White Paper.pdf](http://doc.lizardtech.com/files/geo/datasheets/MG4%20White%20Paper.pdf)

More information on NAIP can be found here: <https://naip-usdaonline.hub.arcgis.com/>

For assistance with NAIP datasets, contact us via one of the methods listed here:

<https://www.fpacbc.usda.gov/geospatial-services/contact-support>