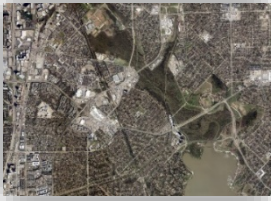
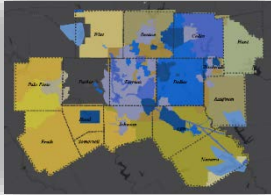


DFW MARKETPLACE PRODUCT DESCRIPTIONS



[Aerial Images – Years 2001 to 2020](#)

NCTCOG's high-accuracy, 4-band orthophotography is captured at either 3" or 6" resolution and is available for purchase in Tiff format. The final aerial photography meets The American Society of Photogrammetry and Remote Sensing (ASPRS) Class I standards and is suitable for engineering grade analysis. NCTCOG flies during the leaf-off season (Dec-March). The imagery undergoes extensive processing and quality control by the chosen vendor before delivering 4-6 months after acquisition.



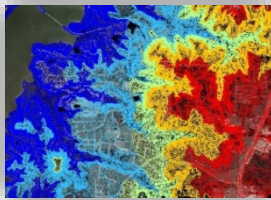
[Contours Multiyear NCTCOG \(LiDAR\)](#)

NCTCOG's multiyear 2' digital elevation contours layer was developed by bringing together 0.5 Meter LiDAR flown by NCTCOG (shown in shades of blue), 0.5 Meter TNRIS LiDAR and 0.7 Meter FEMA & USGS LiDAR (shown in shades of yellow). The data were captured from 2009 to 2019 and represent the most recent data available for any given area. All data were created from a hydro-flattened DEM and underwent extensive QA/QC for accuracy. Data is available in GIS and CAD format.



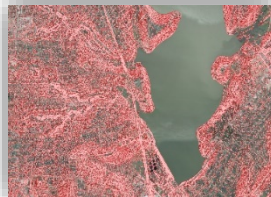
[Contours \(LiDAR\) – Years 2015 to 2018](#)

For distinct areas, NCTCOG has engineering-grade contours created by a contracted vendor. Data are derived from 0.5 Meter LiDAR data and include hydrology and transportation break-lines. Data meets or exceeds NMAS vertical accuracies for 2-foot (1.0' RMSE). Data is available in GIS and CAD format.



[Contours 2007 \(ACS\)](#)

In 2007, NCTCOG and TxDOT contracted with a vendor to develop a terrain surface along with contours for 17 North Texas counties. The technology used to develop the terrain surface is called Auto-Correlated Surface (ACS). ACS is a "single return" technology, as opposed to LiDAR which can have multiple returns for one location. The resulting ACS data may not be as accurate as LiDAR, especially in heavily vegetated areas. ACS derived contours are available at 2' resolution and are suitable for cartographic purposes. Data is available in GIS and CAD format.



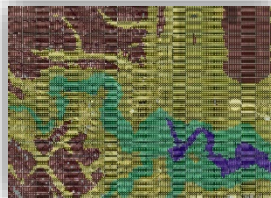
[Contours 2001 \(LiDAR\)](#)

In 2001, NCTCOG contracted with a vendor to create 2' contours for Dallas, Denton, Collin, Tarrant and Rockwall Counties. The dataset was created from 2001 LiDAR and is hydro-flattened. The contours do not include transportation break-lines. Data is available in GIS And CAD format.



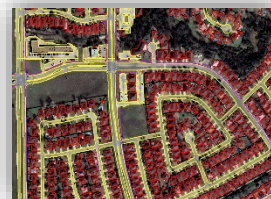
[LiDAR 0.5 Meter \(LAS\) – Years 2015 to 2020](#)

Since 2015, NCTCOG has contracted with a vendor to collect LiDAR at a density sufficient to support a nominal pulse spacing of 0.5 meters or less (i.e., with no less than 4 or more points per square meter). NCTCOG LiDAR, which is hydro-flattened, includes the following classifications: buildings (98%), bare earth, vegetation and more. Each year's LiDAR coverage area depends on the entities that participate in the project during the pre-flight period. Data is available in LAS and TXT format.



[LiDAR Bare Earth \(XYZ Text File\) – 2001](#)

In 2001, NCTCOG contracted with a vendor to collect LiDAR for Dallas, Tarrant, Denton, Collin and Rockwall counties. The bare earth version of the data is available in ASCII text files with elevation details included.



[Planimetrics – Year 2007](#)

In 2007, NCTCOG contracted with a vendor to digitize building footprints, paved road edges, parking lots, bridges, and sidewalk centerlines for a large portion of the North Texas region. Data layers were stereo compiled using the 2007 6" orthophotography and are available in GIS and CAD formats.