

Forest Distribution – *Mesquite*

An analysis of where the forests are in Texas

The Forest Distribution application in the Texas Forest Information Portal (TexasForestInfo.com) provides an estimate of the amount of aboveground carbon on forest land that occurs within three distances—50, 75, and 100 miles—of a user defined point in Texas or in the entire state. Estimates of biomass are derived using plot data from the national Forest Inventory and Analysis Program (FIA) and are provided in units of tons (2000 lbs./ton). Carbon is calculated as 50 percent of dry biomass. The estimates in this report are based on data collected from 2010 through 2019.

In addition to estimates of values of carbon within the three areas of interest or the whole state, a map is displayed of the state showing the distribution of forests within Texas. This map is produced using a geostatistical interpolation technique that produces a prediction surface of carbon amount per acre. This map is best viewed from a small scale (zoomed out on the web map) since its intent is to provide only a general sense of where the forests occur and how much carbon is present.

Estimates of value are based on the 2020 social cost of carbon ([Interagency Working Group](#)) and annual household carbon footprint is from [Jones and Kammen, 2011](#).

Distribution of aboveground carbon for all Mesquite at least 1 inch in diameter in Texas.

