

Forest Carbon Report

Dummy - 2023-03-21

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Overview

The results presented in this report were developed using the FLINTpro software (<https://flintpro.com/>). The purpose of the report is to provide a rapid assessment of carbon stocks in relation to forests on the farm using readily available data. The results presented here are provided in good faith for the purpose of providing an indicative carbon balance for an individual producer and are limited by the following:

- The methods are not suited to being used for any regulatory or market (ERF) purpose.
- The carbon estimates rely on simplified assumptions regarding tree growth and carbon flux, and must be viewed as indicative only.
- The carbon estimates rely on high level and publicly available vegetation mapping. This has not been verified for the individual farm and may include errors inherent to the vegetation mapping data used.
- The carbon estimates do not include changes in carbon across areas smaller than 0.2ha and with less than 20% tree cover (for example, it may not pick up recent regrowth, isolated paddock trees, tree rows along fence lines or Leucaena).

The results provide an indication of the potential forest carbon stock changes based on FLINTpro that replicates the Australian Governments FullCAM model and using Australian Government data. While indicative, it is recommended that local data be used to derive more accurate estimates.

The purpose of this report is to demonstrate the capacity to estimate carbon stock and carbon stock change at the farm level using a national modelling approach. Similar modelling approaches underpin the existing Emissions Reduction Fund (ERF) and supports land holder activities without needing to undertake expensive field measurements. By moving from a measurement to model based approach, it is possible to dramatically reduce the barriers to land holders for understanding the carbon stock and stock change on their properties.

See report on the next page

Forest Carbon

The results presented in this section are for carbon in the living trees in forest, this consists of Aboveground Biomass (AGB) which is the biomass of the above ground parts of living trees and Belowground Biomass (BGB) which is the biomass of the roots of living trees.

Dead organic matter (logs, stumps, leaf litter) and soil carbon have not been included as detailed data is required to provide an adequate representation of their carbon stocks and changes.

