

## Form CA-2.3C – Sequestration Baseline

Provide documentation of the sequestration baseline where indicated in the form or as an attachment, as directed below. Each attachment must include a header that indicates it is an attachment to Form CA-2.3C and includes the offset project name and offset project ID code. Multiple attachments may be integrated into a single document, as appropriate, as long as each element is clearly identified, as specified below. For submission of the electronic version of the *Consistency Application*, spreadsheets must be provided as a distinct electronic file or files (distinct spreadsheets may be incorporated into a single spreadsheet file, as appropriate, as long as each element is clearly identified, as specified below).

### A. Baseline Data

1. Baseline Period. Enter dates of baseline measurements (may include a range):  
 Measurement dates
2. Baseline Carbon Pools. Enter baseline carbon content in short tons of CO<sub>2</sub>-e for the included carbon pools:
  - Live above-ground tree biomass (required)
  - Live below-ground tree biomass (required)
  - Soil carbon (required)
  - Dead organic matter and coarse woody debris (required, unless the baseline measurement for this carbon pool is at or near zero, in which case measurement of this carbon pool is optional)
  - Live above-ground non-tree biomass (optional)
  - Dead organic matter, forest floor (optional)
  - Total of above carbon pools

### B. Baseline Documentation

Check the boxes to indicate that the following required documentation is attached:

- 3. Baseline Description. Map to scale providing a description of practices/management and land cover in place within the offset project boundary.
- 4. Designation of Baseline Sub-populations. Map to scale showing number and types of sub-populations; description of vegetation, tree species, and site factors considered in designating sub-populations (included in map or as accompanying attachment).
- 5. Baseline Sampling Plots. Description of methodology used for determining numbers, sizes, and locations of sampling plots for each sub-population; identification of sampling plot locations, including photos, with distinct identifiers.
- 6. Direct Measurement Procedures for Each Carbon Pool in Each Sampling Plot. List for each carbon pool of all measurement procedures used to calculate baseline sequestered carbon; demonstration of consistency for all measurement procedures with current forestry good practice and the guidance contained in U.S. Department of Energy, Technical Guidelines Voluntary Reporting of Greenhouse Gases (1605 (b)) Program; Chapter 1, Part 1 Forestry Emissions (January 2007) (see Table 1, section 200.9 of this Title).

7. Field Measurement Data. Spreadsheet containing all field measurement data collected for each sampling plot for determining biomass and carbon for each carbon pool, with columns and rows clearly labeled, including the following:
- Sampling plot names
  - Sampling plot dimensions
  - Sampling plot slopes
  - Tree diameters
  - Tree heights
  - Standing dead wood diameters, heights, and decomposition classes
  - Dead wood transect lengths
  - Dead wood diameters and decomposition classes
  - Non-tree vegetation and forest floor quadrat sizes
  - Non-tree vegetation and forest floor field sample weights
  - Non-tree vegetation and forest floor laboratory sample dry weights
  - File names for plot photographs
8. Documentation of Biomass and Carbon Equations and Default Parameters. Equations and/or default parameters used to convert field measurement data into biomass and/or carbon, including sources and justifications.
9. Documentation of Carbon Calculations. Spreadsheet documenting all carbon calculations for each carbon pool, and across all carbon pools, including:
- Use of sampling plot data to estimate area-based carbon
  - Conversion of area-based carbon into CO<sub>2</sub>-equivalent short tons
  - Total sum of carbon across all sub-populations for each carbon pool
  - Total sum of carbon across all carbon pools
10. Demonstration of Quantified Accuracy. Spreadsheet documenting quantified accuracy for the combined carbon pool measurement.