



THOMMPPSON RIVER IFM ATTACHMENT M, V1.0

PUBLIC DESCRIPTION OF FOREST CARBON INVENTORY METHODOLOGY

A description of the inventory methodology for each of the carbon pools included in the offset project boundary follows.

- Sample points (SPs) have been laid out in a systematic grid across the project area.
- At each sample point, a nested plot design is employed. A variable plot with a basal area factor of 5 is used for trees with a diameter at breast height (DBH) greater than or equal to 3.1 inches but less than 13.6 inches. A 1/5th acre fixed plot is used for trees with a DBH greater than or equal to 13.6 inches. Live trees at least 4.5 feet in height that are less than 3.1 inches in DBH are sampled on a 1/100th acre fixed plot, but such trees will not be included in the carbon stocking calculations until they are 3.1 inches in DBH (i.e., a 3.1-inch cutoff has been employed in the carbon stocking calculations).
- The forest will be stratified based on metric of interest that correlates positively with total carbon stocking, and SPs will be assigned to strata based on the stocking (as measured using the metric of interest) of the stand in which SP is nominally located, based on GIS analysis.
- Each SP is located with a commercial-grade GNSS unit and permanently monumented to facilitate future re-measurement and site visit verifications.
- The inventory is audited during the collection process and corrective actions implemented to maintain data quality.
- Below is the list of tree data to be collected at each sample point.
 - IFM Standing Live: At each SP, “in” trees are tallied along with species, DBH (for trees with a DBH greater than or equal to 3.1 inches), total height, actual height (if relevant) and soundness deduction. These sample plots will provide inventory estimates in terms of cubic foot volume and biomass following the procedures and guidance listed on ARB’s website and within the FOP.
 - IFM-3 Standing Dead: At each SP, “in” trees will be tallied along with species, DBH, total height, actual height (if relevant), soundness deduction and decomposition class. These sample plots will provide inventory estimates in terms of cubic foot volume and biomass following the procedures and guidance listed on ARB’s website and within the FOP.

CHANGE LOG

Line #	Item	Where Changed	Listing Document	Description of Change
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