CLIMATE ACTION RESERVE

FREE TOOLS FOR FOREST PROJECT DEVELOPMENT AND MANAGEMENT

STANDARDIZED INVENTORY METHODOLOGY (SIM)

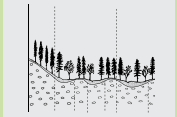
With extensive experience and expertise in working with forest carbon projects, the Reserve recognized a need to improve clarity and efficiency in implementing forest inventory methodologies. Our **Standardized Inventory Methodology** addresses that need by providing a ready-made sampling methodology that benefits from a simplified verification process, thereby reducing the costs, time, and effort involved.

The SIM includes clear guidance to reduce ambiguities during implementation and verification of the inventory. It also addresses specific problems that arise during the project development and verification process

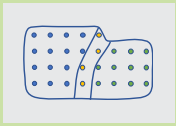
SIM

Main features—requirements or guidance for:

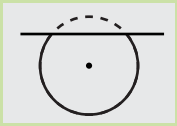
Fixed-area plot design



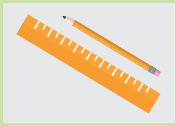
Strata boundary delineation



Plot location and establishment



Sampling along strata boundaries

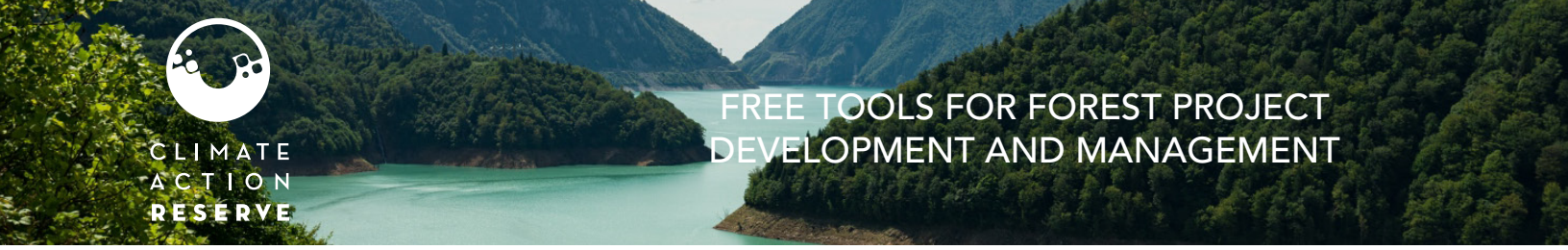


Data collection methods

(e.g., trees growing between the time plots are sampled and when they are verified).

The SIM does not prescribe an exact specification for every inventory element. However, it does pare down the menu of available options for many components based on the successes (and trials) experienced by existing projects in the past.

No matter which options are chosen, the SIM is designed to conform fully to the requirements specified in the Reserve's Forest Project Protocol. Additionally, the SIM is suitable for use in a variety of forest types and provides the data required for use of the Climate Action Reserve Inventory Tool (CARIT).



CLIMATE ACTION RESERVE INVENTORY TOOL (CARIT)

The Forest Project Protocol requires each project to use specified quantification components, such as species- and region-specific volume and biomass equations. Developed through a Conservation Innovation Grant awarded by the USDA NRCS, the **Climate Action Reserve Inventory Tool** incorporates those required components and rolls them into a single tool for forest project developers.

CARIT also allows a project owner to manage a project's inventory over the entire life of the project by calculating carbon stocks each year and by accommodating changes to the forest inventory as they occur, such as the growth of trees (via a link to the USFS Forest Vegetation Simulator), harvests and other disturbances, and new field measurements.

Additional features of CARIT:

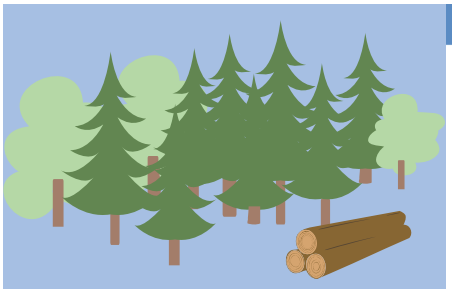
- Incorporates data collected under the Standardized Inventory Methodology
- Produces data required for project reporting and verification
- Validated by an independent verification body accredited by the Reserve so the quantification results are considered pre-verified
- Accessible MS Access database format
- Includes comprehensive user support, including a user manual, recorded demos, and training sessions, to help guide project owners through the use of CARIT

CARIT

Approved and validated tool to reduce time, effort, and costs for forest project development, management, and verification

Highly transparent, scientifically accurate, and able to facilitate complex analysis

Lowered cost and improved ease enables landowners to manage their carbon inventory in-house



The intuitive interface and advanced calculation analytics in CARIT greatly improve the ease and efficiency of calculating forest carbon.