STANDARD SECTOR INDICATOR CODE: ENV-028	**Tree Survival One Year:** Number of trees planted, out of the total number of trees planted with assistance from the Volunteer/partner, that survived at least one year. (ENV-028)	
ENVIRONMENT SECTOR	**Sector Schematic Alignment** *Note: This indicator belongs to the "Natural Resource Planning and Management" Project area and "Agroforestry" Project Activities/Training Package (PA/TP) within the ENV Sector but is borrowed by the following Project Activities/Training Packages within the ENV and AG Sectors.* **ENV Sector ("Home" of the SI)** **PA/TP:** Agroforestry **ENV Sector** **PA/TP:** Soil and Water Conservation and Management, Tree Planting and Nurseries **AG Sector** **PA/TP:** Soil and Water Conservation and Management, Agroforestry	
Type: Outcome	**Unit of Measure**: Trees planted and surviving	**Disaggregation:** None

Definitions:

Partner/s—refers to the local counterpart who is co-facilitating tree planting and maintenance activities with the Volunteer.

Rationale: An increase in the number of planted trees surviving after one year will mean that more trees than before will have the potential of surviving until harvestable age.

Measurement Notes:

1. **Sample Tools and/or Possible Methods (for Peace Corps staff use):** Volunteers should use data collection tools to measure progress against project indicators. A data collection tool to measure this indicator could be based on one of the following methods—survey, observation, secondary data review of farm records, or interview—though there may be other data collection methods that are appropriate as well. For more information on the suggested methods, please see **Appendix I in the MRE Toolkit.** Also be sure to check the intranet page as sample tools are regularly uploaded for post use. Once a tool has been developed, post staff should have a few Volunteers and their partners pilot it, and then distribute and train Volunteers on its use.

2. **General Data Collection for Volunteer Activities:** All Volunteer activities should be conducted with the intention of achieving outcomes – knowledge change (short-term), skills demonstration (intermediate-term), and behavioral changes (intermediate to long term) as defined by the progression of indicators within the objectives of a project framework. The progression of measurement for all Volunteer activities should begin with baseline data being conducted prior to the implementation of an activity (or set of activities), followed by documenting any outputs of the activities and then later at the appropriate time, measurements of specific outcomes (see "Frequency of Measurement").

3. **Activity-Level Baseline Data Collection**: Activity-level baseline data should be collected by Volunteers/partners before or at the start of their activities with tree planting. It provides a basis for planning and/or assessing subsequent progress or impact with these same people. Volunteers should take a baseline measurement regarding the outcome(s) defined in this indicator (i.e. determine whether or not/how many trees have been planted and survived one year before working with the Volunteer) early in their work focused on planting trees. The information for the baseline measurement will be the same or very similar to the information that will be collected in the follow-on measurement (see "Frequency of Measurement") after the Volunteer has conducted his/her activities and it is usually collected using the same data collection tool to allow for easy management of the data over time.

   Because Volunteers are expected to implement relevant and focused activities that will promote specific changes within a target population (see the "unit of measure" above), taking a baseline measurement helps Volunteers to develop a more realistic snapshot of where tree planters within the target population are in their process of change instead of assuming that they are starting at "0." It also sets up Volunteers to be able to see in concrete terms what influence their work is having on the individuals/communities planting trees that they work with during their service. Please note that data collection is a sensitive process and so Volunteers will not want to take a baseline measurement until they have been able to do some relationship and trust-building with the person/people the Volunteer is working with, and developed an understanding of cultural norms and gender dynamics.

4. **Frequency of Measurement**: For reporting accurately on this outcome indicator, Volunteers must take a minimum of two measurements with tree planters in the target population reached with their activities. After taking the baseline measurement (described above), Volunteers should take at least one follow-on measurement with the same tree planters, typically <u>after</u> completing one or more activities focused on achieving the outcome in this indicator and once they have determined that the timing is appropriate to expect that the outcome has been achieved. Please note that successful documentation of a behavior change or new practice may not be immediately apparent following the completion of activities and may need to be planned for at a later time. Once Volunteers have measured that at least one planted tree has survived at least one year, they should report on it in their next VRF.

   Volunteers may determine to take more than one baseline and one follow-on measurement with the same trees planted for the following valid reasons:
   a. Volunteers may want to measure whether or not any additional individuals/communities planting trees initially reached with activities have now achieved the outcome in the indicator, particularly for any activities that are on-going in nature (no clear end date);
   b. Volunteers may want to enhance their own learning and the implementation of their activities by using the data collected as an effective monitoring tool and feedback mechanism for the need to improve or increase their activities;
   c. A Peace Corps project in a particular country may choose to increase the frequency of measurement of the indicator and Volunteers assigned to that project will be required to follow in-country guidance.

   In all cases, any additional data collection above the minimum expectation should be based on the time, resources, accessibility to the target population, and the value to be gained versus the burden of collecting the data. Following any additional measurements taken, Volunteers should report on any new trees planted (and surviving) achieve for the outcome in their next VRF.

5. **Definition of Change**: The minimum change to report against this indicator is at least one tree being planted and surviving at least one year, as compared to what was measured initially at baseline. In the case of this indicator, if the individuals/communities the Volunteer/partner works with already planted trees that have survived before beginning to work with the Volunteer/partner, then the Volunteer would not be able to count him/her/them for this activity because the Volunteer's work did not actually lead to the desired change. However, if as a result of working with the Volunteer/partner, the individuals/communities planted trees that survived at least one year, that would count because the Volunteer's work influenced those activities.

6. **General Reporting in the VRF**: The Volunteer can only report on this indicator in their second year of service. The "number achieved" (or numerator) that Volunteers will report against for this indicator in their VRFs is the number of trees planted and surviving at least one year by an individual/community after working with the Volunteer/partner. The "total number" (or denominator) that Volunteers will report on for this indicator in their VRFs is the total number of trees planted.

7. **Reporting on Disaggregated Data in the VRF:** There are no disaggregation requirements for this indicator. The Volunteer must only count the total number of trees that have been planted and survived at least one year.

Data Quality Assessments (DQA): DQAs are needed for each indicator selected to align with the project objectives. DQAs review the validity, integrity, precision, reliability, and timeliness of each indicator. For more information, consult the Peace Corps MRE Toolkit.

Alignment with Summary Indicator: ENV. IMPROVED NAT. RES. MGMT PRACTICES, & AG. NEW TECH/MGMT PRACTICES