GLOBE Shrub/Sapling Carbon Data Sheets

Standard Site

Print the Standard Shrub/Sapling Carbon Data Sheet:

- Standard Shrub/Sapling Carbon Data Sheet

Print the Shrub/Sapling Calculations Sheet:

- Standard Shrub/Sapling Carbon Calculations Sheet

Print the Standard Shrub/Sapling Data Sheet with the field guide incorporated:

- Standard Shrub/Sapling Carbon Data Sheet and Field Guide

GLOBE Standard Shrub/Sapling Carbon Data Sheet

Name: _____ Site Name: _____

Date: _____ Time (local): _____

Standard Site Shrub and Sapling Carbon Measurements

Sample #	Presence H = hit M = miss	Type E = Evergreen D = Deciduous	Height (m)	Notes
1				
2				
3				
4				
5				
6				
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14				
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17				
18				
19				
20				
21				
22				

GLOBE Standard Shrub/Sapling Carbon Calculation Sheet

1. Record the total number of observations (Total Obs) you took. This is the number of rows you filled out on your data table.

Total Obs =	

2. Complete the summary table below using your data table.

Summary Table	
D Total (total number of "D" hits)	
E Total (total number of "E" hits)	
D Sum (sum of the heights of "D" hits only)	
E Sum (Sum of the heights of "E" hits only)	

3. Use the summary table to solve the equations below.

$$\textbf{Deciduous \% Cover} = \frac{\text{D Total}}{\text{Total Obs}} \times 100$$

$$\textbf{Deciduous Average Height} = \frac{\text{D Sum}}{\text{D Total}}$$

$$\textbf{Evergreen \% Cover} = \frac{\text{E Total}}{\text{Total Obs}} \times 100$$

$$\textbf{Evergreen Average Height} = \frac{\text{E Sum}}{\text{E Total}}$$

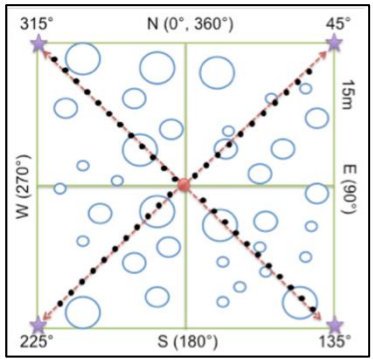
GLOBE Standard Shrub/Sapling Carbon Data Sheet and Field Guide (page 1)

Name: _____ Site Name: _____

Date: _____ Time (local): _____

Standard Shrub/Sapling Carbon Measurements

Shrub = a woody plant with multiple stems
Sapling = a tree with <15 cm DBH



1. Select one team member to stand at the center of the sample site with the compass. This person will keep other team members on the correct azimuth (diagonal transect) heading toward one of the sample site corners: NE, SE, SW, or NW.
2. Have another team member pace towards a site corner. The pacer should take 1 pace (two steps) and place the measuring stick straight down.
3. If the measuring stick is touching a shrub or sapling record "Hit" and go to the next step. If the measuring stick is not touching a shrub or sapling record "Miss" return to step 2.

☐ **Hit** ☐ **Miss**

4. If you recorded "Hit", determine whether the shrub/sapling is evergreen or deciduous.

☐ **Deciduous** ☐ **Evergreen**

5. Use the measuring stick to measure a representative height of the whole shrub/sapling.
   - If the shrub/sapling is taller than the meter stick, either estimate the height or use a clinometer.

Height: _____m

6. Repeat steps 2–5 until you reach the corner. Record data on the data table on page 2.
7. Return to the center and repeat steps 2–5 until all four directions have been measured.

GLOBE Standard Shrub/Sapling Carbon Data Sheet and Field Guide (page 2)

Standard Site Shrub and Sapling Carbon Data Table

Sample #1 is the data you recorded on page 1.

Sample #	**Presence** H = hit M = miss	**Type** E = Evergreen D = Deciduous	**Height (m)**	**Notes**
1				
2				
3				
4				
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