GLOBE Shrub/Sapling Carbon Data Sheets

Non-Standard Site

Print the Non-Standard Shrub/Sapling Carbon Data Sheet:

- Non-Standard Shrub/Sapling Carbon Data Sheet

Print the Non-Standard Shrub/Sapling Calculations Sheet:

- Non-Standard Shrub/Sapling Carbon Calculations Sheet

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

- Non-Standard Shrub/Sapling Carbon Data Sheet and Field Guide

GLOBE Non-Standard Shrub/Sapling Carbon Data Sheet

Name: _____ Site Name: _____

Date: _____ Time (local): _____

Non-Standard Site Shrub and Sapling Carbon Measurements

Sample #	**Type** E = Evergreen D = Deciduous	**Length Longest Side** (m)	**Length Shortest Side** (m)	**Representative Height** (m)	**Notes**
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

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

Name: _____ Site Name: _____

Date: _____ Time (local): _____

Non-Standard Shrub/Sapling Carbon Measurements [Sample 1]

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

1. Start at one edge of the site. Methodically measure each shrub on the entire site.
2. Approach the first shrub or sapling and record whether it is deciduous or evergreen.

☐ **Deciduous** ☐ **Evergreen**

3. Use a meter stick or measuring tape to measure the length in meters of the longest side of the shrub/sapling crown.

Longest Side Length: _____m

4. Repeat this method for the length of the shortest side of the shrub/sapling crown.

Shortest Side Length: _____m

5. For each shrub or sapling use the measuring stick to measure the height if it is less than 2–3m tall. Otherwise estimate the height or use a clinometer. *Note this should be a representative height of the whole shrub, so do not simply measure the highest branch.

Representative Height: _____m

6. Repeat steps 2–5 for all shrubs and saplings on your sample site and record data on the data table.

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

Non-Standard Site Shrub and Sapling Carbon Data Table

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

Sample #	**Type** E = Evergreen D = Deciduous	**Length Longest Side** (m)	**Length Shortest Side** (m)	**Representative Height** (m)	**Notes**
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
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