

## GLOBE Carbon Cycle - Non-Standard Shrub/Sapling Data Sheet

School: \_\_\_\_\_ Date: \_\_\_\_\_

Site Name: \_\_\_\_\_

Recorded By: \_\_\_\_\_

Sample #	Type (E = evergreen, D= deciduous)	Length of Longest Side (m)	Length of Shortest Side (m)	Estimated 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					
23					
24					
25					
26					
27					
28					

## Shrub/Sapling Calculations

Use the data from the *Shrub/Sapling Data Sheet* in the equations below:

### 1. Calculate the variables needed for the equations:

Total number of observations = \_\_\_\_\_

Total number 'D' hits = \_\_\_\_\_

Total number 'E' hits = \_\_\_\_\_

Sum of the Estimated Representative Heights of 'D' hits only = \_\_\_\_\_

Sum of the Estimated Representative Heights of 'E' hits only = \_\_\_\_\_

### 2. Use the variables above in the equations below:

$$\text{Deciduous \% cover} = \frac{\text{Total number 'D' hits}}{\text{Total number observations}} \times 100$$

$$\text{Deciduous average height (m)} = \frac{\text{Sum of heights of 'D' hits}}{\text{Total number 'D' hits}}$$

$$\text{Evergreen \% cover} = \frac{\text{Total number 'E' hits}}{\text{Total number observations}} \times 100$$

$$\text{Evergreen average height (m)} = \frac{\text{Sum of heights of 'E' hits}}{\text{Total number 'E' hits}}$$