

GLOBE Carbon Cycle - Standard Shrub/Sapling Data Sheet

School:

Date:

Site Name:

Recorded By:

Sample #	Shrub/Sapling Presence (H=hit, M=miss)	Type (E = evergreen, D= deciduous)	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 heights of 'D' hits only = _____

Sum of the heights of 'E' hits only = _____

2. Use the variables above in the equations below:

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

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

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

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