GLOBE Biometry: Vegetative Covers Data Sheets

Print the Vegetative Covers Data Sheet:

- Vegetative Covers Data Sheet (3 pages)

Print the Biometry Site Definition Sheet:

- Biometry Site Definition

GLOBE Biometry: Vegetative Covers Data Sheet (page 1)

Name: _____ Site Name: _____

Date: _____ Time (local): _____

	1	2	3	4	5	6
No.	**Canopy*:** T=tree SB=shrub - = sky	**Canopy Species or common name**	**Canopy Type:** E = evergreen D = deciduous	**Ground:** G = green B = brown - = no cover	**Ground Type:** GD = graminoid FB = forb SB = shrub DS = dwarf shrub OG = other	**Total Shrubs:** Put a "+" if "SB" is in columns 1 or 5
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

*Note: In a forest, canopy cover is the tree canopy. In a shrubland, canopy cover is the shrub canopy.

GLOBE Biometry: Vegetative Covers Data Sheet (page 2)

Name: _____ Site Name: _____

Date: _____ Time (local): _____

	1	2	3	4	5	6
No.	**Canopy:** T=tree SB=shrub - = sky	**Canopy Species or common name**	**Canopy Type:** E = evergreen D = deciduous	**Ground:** G = green B = brown - = no cover	**Ground Type:** GD = graminoid FB = forb SB = shrub DS = dwarf shrub OG = other	**Total Shrubs:** Put a "+" if "SB" is in columns 1 or 5
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

*Note: In a forest, canopy cover is the tree canopy. In a shrubland, canopy cover is the shrub canopy.

GLOBE Biometry: Vegetative Covers Summary Sheet (page 3)

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 four summary tables below using your data table.

Summary of Column 1: Canopy	
Total "T"	
Total "SB"	
Total "-"	

Summary of Column 3: Canopy Type	
Total "E"	
Total "D"	

Summary of Column 4: Ground	
Total "G"	
Total "B"	
Total "-"	

Summary of Column 5: Ground Type	
Total "GD"	
Total "FB"	
Total "SB"	
Total "DS"	
Total "OG"	
Sum these for **Total Herbs**	

3. Use the summary tables and the equations below to calculate your observation percentages.

% Tree Canopy = $\frac{\text{Total "T"}}{\text{Total Obs}}$ x 100 =

% Shrub Canopy = $\frac{\text{Total "SB"}}{\text{Total Obs}}$ x 100 =

% Evergreen = $\frac{\text{Total "E"}}{\text{Total "E" + Total "D"}}$ x 100 =

% Deciduous = $\frac{\text{Total "D"}}{\text{Total "E" + Total "D"}}$ x 100 =

% Ground Cover = $\frac{\text{Total "G" + Total "B"}}{\text{Total Obs}}$ x 100 =

% Total Shrubs = $\frac{\text{\# of "+" in Column 6}}{\text{Total Obs}}$ x 100 =

% Graminoid = $\frac{\text{Total "GD"}}{\text{Total Herbs}}$ x 100 =

Replace "G" above with the other ground types to find their percent cover and fill in values in the table to the right. →

% Forb	
% Shrub	
% Dwarf Shrub	
% Other	

4. Use the percentages calculated in step 3 and a MUC Guide to determine your MUC.

MUC = ____ ____ ____ ____

GLOBE Biometry: Site Definition

Name: _____ Site Name: _____

Date: _____ Time (local): _____

Location

Source of location data: ☐ GPS ☐ Phone ☐ Other: _____

If using GPS, complete the table below using a GPS receiver and recording coordinates once a minute for five minutes. Then transfer the values in the "AVERAGE" row to the spaces below.

If using a phone, leave the table blank.

Minute	Latitude	Longitude	Elevation (m)
1			
2			
3			
4			
5			
AVERAGE			

Latitude: _____ Longitude: _____

Elevation: _____ m

MUC

For aid in determining MUC, use page 3 of the Vegetative Covers data sheet and a MUC Guide.

MUC Code: _____ _____ _____ _____

Site Comments (Metadata):

