**MICRO CLIMATE DATA**

Record data in the table below. For several of the variables measured (see below), prepare graphs with the various sample quadrats on the x-axis and the variable in question on the y-axis. This could optionally be done by entering the data from the table into a spreadsheet and having the computer make the graphs.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Location | 1st Quadrat | 2nd Quadrat | 3rd Quadrat | 4th Quadrat |
| Wind Direction |  |  |  |  |
| Wind Velocity(miles per hour) | Head Height |  |  |  |  |
| Ground Height |  |  |  |  |
| Wind Velocity(Beaufort) |  |  |  |  |
| Is visual site inspection consistent with BFT wind velocity reading? | \_\_ yes \_\_ no | \_\_ yes \_\_ no | \_\_ yes \_\_ no | \_\_ yes \_\_ no |
| Air Temperature (°F)from Anemometer |  |  |  |  |
| Air Temperature(°F)from SlingPsychrometer | Dry Bulb |  |  |  |  |
| Wet Bulb |  |  |  |  |
| Does the dry-bulb reading confirm the anemometer reading? | \_\_ yes \_\_ no | \_\_ yes \_\_ no | \_\_ yes \_\_ no | \_\_ yes \_\_ no |
| % Relative Humidity |  |  |  |  |
| Dew Point (°F) |  |  |  |  |
| Light Intensity(lux) | High Light Location |  |  |  |  |
| Medium Light Location |  |  |  |  |
| Low Light Location |  |  |  |  |
| Cloud Cover (okta) |  |  |  |  |
| Cloud Type |  |  |  |  |
| Precipitation (inches) |  |  |  |  |

**Wind Velocity**

0

5

10

15

20

25

30

1st Quadrat

2nd Quadrat

3rd Quadrat

 4th Quadrat

Sample Quadrat

Average MPH

**Air Temperature**

65

70

75

80

85

90

95

1st Quadrat

2ndQuadrat

3rdQuadrat

 4th Quadrat

Sample Quadrat

°F

**Relative Humidity**

40

50

60

70

80

90

100

1st Quadrat

2nd Quadrat

3rd Quadrat

4th Quadrat

Sample Quadrat

%

**Dew Point**

55

60

65

70

75

80

85

1st Quadrat

2nd Quadrat

3rd Quadrat

4th Quadrat

Sample Quadrat

°F