**Week 4 Field Datasheet**

Section #\_\_\_\_\_\_\_\_\_\_ Group color or number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Member names\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Field site name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Assigned plot number\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Plot type (circle one) Fenced Unfenced Transect

**Task checklist**

* **Place pitfall trap**
* **Move tape from white lid to rain cover**
* **Record site information**
* **Survey trees in plot (record species, circumference and calculate diameter)**
* **Measure the height of the tallest tree in your plot**
* **Survey groundcover plants in plot (record species and abundance)**

Site information

1. % canopy cover \_\_\_\_\_\_\_\_
2. % of plot area ground covered by vegetation\_\_\_\_\_\_\_\_\_
3. How many deer poop piles did you find? \_\_\_\_\_\_\_\_\_\_ (write 0 if you didn’t see any)
4. Any other evidence of animals (poop, eaten nuts, tracks, fur) and if so, what did you see? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Tree height measurement (This should be your tallest tree. Place a \* next to the tree you measure in the table below)

1. Angle recorded from protractor \_\_\_\_\_\_\_\_\_
2. Subtract 90 to determine the angle of elevation (no negatives) \_\_\_\_\_\_\_\_\_\_\_
3. Use a cell phone or calculator to determine the tangent of your angle (press TAN) \_\_\_\_\_\_\_\_\_\_
4. Distance from the tree (in meters) \_\_\_\_\_\_\_\_\_\_\_\_
5. Multiply the distance from the tree x tangent angle (#4 x #3)\_\_\_\_\_\_\_\_\_\_\_\_
6. Find the eye-height of the student who did the measuring (in meters) \_\_\_\_\_\_\_\_\_\_\_

FINAL HEIGHT OF THE TREE = number from 5 + number from 6\_\_\_\_\_\_\_\_\_\_\_\_\_

Tree survey

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| --- | --- | --- |
| Tree species (common name)- ONLY >5 cm circumf. | Circumference (in cm) | Calculate diameter (C/pi) cm |
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Shrub/ground-level plant survey

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| --- | --- |
| Species of small tree (<5 cm circumf.), shrub, or groundcover plant | Number in your plot |
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