Rainwater Harvesting Landscape Inspection Data Sheet



Name	Group #·	Class Period	Date
Name:	<u></u>		_ Dutc

OVERALL SCHOOL SITE SURVEY

- 1. How does **water flow** on the school grounds? Where does it end up? Use small arrows to indicate the direction of flow on the map.
- 2. Look for places where water drains off the roof, and follow the paths water takes, noticing where it leaves the school grounds. Where are the roof drains? Is any of the water from the roof kept onsite to water vegetation? Use arrows to note where the water flows on the map. Use the symbol Ø to mark where roof drains are on your map.
- Where are high and low areas? Use a capital 'H' to note high spots and a capital 'L' to note low spots on the map. Also use arrows to indicate flow direction.
- 4. Where do you see erosion? Use a capital **'E' to note erosion** on the map.
- 5. Hardscapes are man-made features used in landscaping (paths, walls, parking lots, terraces). Where do you see hardscapes on campus? Use the symbol **# to note where hardscapes** are on the map.
- 6. Where is shade needed the most? Locate places where water could easily be harvested from the rooftop and other hardscapes. Can water be easily directed from your surfaces to these areas? Your group should choose one section to focus on for your system design. Draw the boundary of the section you choose on your map and describe your site below:

7. Follow the steps for Your Group Site Survey on the next page.

YOUR GROUP SITE SURVEY: Make sure that you have noted the collection area (the portion of the rooftop/hardscape that drains toward your landscape area) and where the water comes off of the collection area on your sketch.

8. What are **the dimensions of the area (rooftop/hardscape)** you are planning to harvest water from?

Length = Width =

- Square Foot (L X W) =
- 9. How big is the **landscape section** you are trying to water? Calculate the area in square feet.

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Length = Width =
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Square Foot (L X W) =
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- 10. If there are currently plants on site, determine the number of plants are you trying to water?
 - a. **# of trees** _____ Use the **+** symbol (or design your own) to mark the trees on the sketch and in the key.
 - b. **# of shrubs** _____ Use the ***** symbol (or design your own) to mark the shrubs on the sketch and in the key.
 - c. **# of other plant groups** _____ Use the **\$** symbol (or design your own) to mark small flowering plants on the sketch and in the key.
 - d. **# of nonathletic field turf areas** ______ Use the **][** symbol (or design your own) to mark the turf on the sketch and in the key.