

Name: _____

Date: _____

Rainbox Throwdown Lab Handout: Sediment and Erosion Control Data Log

Instructions: Use this worksheet throughout the next few lessons. Record information and data as you complete the different laboratories.

Background Information: Synthesize what you have learned so far. What information do you know about soil erosion and sedimentation?

Question: What is the problem or concern about erosion? What question can you write down that describes what you hope to find out during the rainbox throwdown?

Materials and Methods:

- What items do you need?
- Where will you get them?
- How will you design the sediment and erosion control measures for your box? Draw your rainbox below.

Hypothesis: Write your hypothesis here. What do you expect to happen based on the design of your box and the materials that you chose to use.

Data Collection

The soil samples and the collected samples of runoff from your Rainbox Throwdown will be used to make the measurements below.

	Soil Texture	Soil Structure	pH	Soil Nutrients (N, P, K)	Soil Nutrients (N, P, K)	Turbidity (NTU)	Turbidity (NTU) after PAM	Total Suspended Solids (TSS) mg/L
*Sample 1								
Sample 2								
Sample 3								
Sample 4								

* Students may only have one sample per group.

Conclusions: What did you find? Summarize your findings from the experiments that were conducted.