

**The Education Program at the  
New Jersey Sea Grant Consortium**

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**WEATHER and PERCOLATION DATA**

Group's Observer name \_\_\_\_\_ Location \_\_\_\_\_  
Date \_\_\_\_\_ Time \_\_\_\_\_

Please circle:

**Weather:** Clear Partly Cloudy Overcast Rain Fog

**Wind Direction:** N NE E SE S SW W NW

**Water Surface Conditions:** CALM LIGHT CHOP HEAVY CHOP SWELLS

**Tidal Stage:** Incoming HIGH LOW Outgoing HIGH LOW

**Wave Type:** SPILLING WAVE PLUNGING WAVE  
COLLAPSING WAVE SURGING WAVE other: \_\_\_\_\_

Air Temperature \_\_\_\_\_ Water Temperature \_\_\_\_\_

**PERCOLATION OF SEDIMENTS**

Using the pipe marked with the red and green line, place into the sand up to the red line. Pour a known quantity of water into the pipe. Use a watch with a second hand to time how long it takes for the bottle of water to absorb (percolate) into the sediment. Try this experiment in two locations, one at the base of the dunes and one within the high tide line.

Test site 1 location \_\_\_\_\_ Time \_\_\_\_\_

Test site 2 location \_\_\_\_\_ Time \_\_\_\_\_

Observations:

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Comments:

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