**Eelgrass Sampling Assignment**

**SMS324 (2021)**

*--Complete the following exercise with your assigned dive buddy—*

*--email your assignment to Chris before \_\_\_\_\_\_\_\_\_ on \_\_\_\_\_\_\_\_\_\_\_\_\_--*

Diver #1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Diver #2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part I-** Instructions 101 *[in class*]

Write instructions for making a peanut butter and jelly sandwich.

**Part II- Eelgrass Sampling Protocol**

Using the assigned reading as a guide, write instructions for completing a diver-conducted eelgrass survey. The instructions should be no longer than 1-written page and include a list of materials necessary to accomplish the task. For additional reference, include a sketch/drawing of your protocol on a separate page. The protocol should attempt to capture the following information:

*Data: Depth, sample #, substrate type, percent cover of eelgrass, eelgrass shoot density, eelgrass canopy height, number of lobsters, number of green crabs.*

**Part III- Data Sheet**

Create an underwater data sheet for your sampling protocol. The data sheet must fit on standard 8.5 x 11 paper. Be sure to include all data fields above along with the following information:

*Site Name & Location, Date/Time, Diver Names, Environmental Conditions*

**Part III- Data Summary/Report**

Summarize data collected between all groups and all dives. Write a report describing the outcome of the sampling protocol, and summarizing data collected and observations made. The report should be presented in scientific format: *Introduction, Materials & Methods, Results, Discussion, References*. The goal of this report is to summarize the efficacy of the sampling methodology and act as a pilot-study to guide and make recommendations for future field operations, not to evaluate the status of the eelgrass beds at this site, or draw broad scientific conclusions.