

# Seaweed Reproduction Phenology Protocol

## Field Guide

### Task

To identify the seaweed species at your site and to classify the reproductive stages of the receptacles on all the plants in a 1-meter x 1-meter plot.

### What You Need

- 2 - 4 Meter sticks or a quadrat
- Photos of the reproductive stages
- [Seaweed Reproductive Phenology Data Sheet](#)
- Equipment and Field Guides for Hydrology Protocols (optional)
- Pencil or pen

### In the Field

1. Locate your site. Use the meter sticks or quadrat to define the boundaries of the 1-meter x 1-meter area. Align the area so that it is parallel to the water line.
2. Identify the species you will be counting.
3. Start in a corner of the area and move systematically through the area. For each plant, classify the reproductive stage for each receptacle. Use the photos of the seaweed reproductive phenology stages to help you classify. Classify all the receptacles on all the plants in the plot.
4. Total the counts for each reproductive phase for each seaweed species.
5. Take water measurements following the protocols in the *Hydrology Investigation* (optional).