



Equipment List for a Coastal Species Survey

Basic Equipment

Vital Signs datasheet: *Species Survey: Coastal Habitats*

- Note: If you plan to look for more than 2 species, print additional Species pages

Vital Signs species identification cards for each of the species you plan to look for

- Note: If we do not have a species card yet for the species you want to look for, bring an appropriate identification guide with you. Then tell us you want a card, pronto.

Camera with charged batteries

Ruler to measure plant/ animal parts and to show scale in evidence photographs

GPS unit with charged batteries (or a map with latitude & longitude lines)

Extra batteries

Tray or bucket for collecting and sorting intertidal animals

Boots or water shoes

Clipboard

Extra pencil

First aid kit

A field work buddy, or someone at home who knows where you're going, for how long, and when to expect you back

Sampling Method Equipment

You may need additional equipment depending on the sampling method you choose to use. Find your preferred sampling method below to see what additional equipment you need.

Quadrat (user-placement)

1m² quadrat

Quadrat (randomized-placement)

Transect line

Random number chart

1m² quadrat

Transect

Transect line

Random number chart or online generator

Time search

Stop watch

Cones or old shoes or sticks to clearly mark off your search area

Dock

Transect line

Trap

Trap for crabs or lobsters

Small cooler with ice to slow animals down before taking photographs

Net

Net for crabs, shrimp, lobsters, and other movers and swimmers

Small cooler with ice to slow animals down before taking photographs

Team Protocol Equipment

This is most (perhaps only) useful for teachers who are leading and managing teams of students.

Specialists

- Specialist role cards (label by team and team member)

List of teams and team members that includes roles, species assignments, equipment responsibilities, usernames & passwords

Small team

- Team lists that include team members, team species assignments, equipment responsibilities, usernames & passwords

Big group

- List of individuals that includes individual species assignments, equipment responsibilities, usernames & passwords

Seasonal Equipment

Bug spray

Sun screen

Sun hat

Warm layer

Rain gear