



## Equipment List for a Coastal Species & Habitat Survey

### Basic Equipment

*Vital Signs* datasheet: *Species & Habitat 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

Water quality testing tools to measure:

- pH
- Temperature
- Dissolved oxygen (If you are using ampoules to measure dissolved oxygen, bring a plastic bottle to collect the sharps)
- Salinity

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 else you need.

#### **Quadrat (user-placement)**

1m<sup>2</sup> quadrat

#### **Quadrat (randomized-placement)**

Transect line

Random number chart

1m<sup>2</sup> 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 or

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.

#### **Small team**

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

#### **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

#### **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