

Searching for Killer Whales Field Protocol

Your step-by-step guide to completing an observation



TO DO BEFORE HEADING OUT

1. Complete the online training

2. Download Survey 123 application and Searching for Killer Whales Project



• Use the QR code or this link

Note: if you do not already have Survey 123 loaded on your device, you will need to visit the QR code or link two times.

3. Plan your adventure

- Gather a friend or group of adventure buddies.
- Choose your adventure type and location along the Oregon coast, up to 3 miles offshore.

What you need:



- 1. Smartphone with Survey 123 app and the Searching for Killer Whales project loaded
- 2. A device to take videos and photos.

NOTE: binoculars and a camera with a telephoto lens are not required, but can be helpful to capture observations clearly and fron a longer distance.

Observation Basics

- Visually scan the open water for signs of whale presence.
- Keep in mind, there is a high likelihood that you might not see a whale or pod of whales.

That's okay! Absence data (not seeing whales) is also valid and necessary for this project. You will be recording an observation, whether you see whales or not.

When you see a whale...

Begin taking video of the whale(s) behavior. At the same time, take photos of the dorsal fin and saddle patch of each whale you see.

<u>Do not worry about the Survey 123 application right now</u>, this media (photos and video) is the most important part of a whale sighting observation.



Entering Data in Survey 123

- 1. No whales sighted, begin on page 4 (this page).
- 2. Whale(s) sighted, begin on page 11

Entering Absence Data

(no whales sighted)

1. Open the Survey 123 App.



2. Click "Continue without signing in"



(no whales sighted)

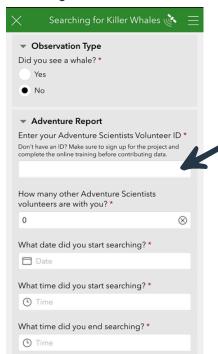
3. Click the "Searching for Killer Whales Project"



4. Click "Collect"

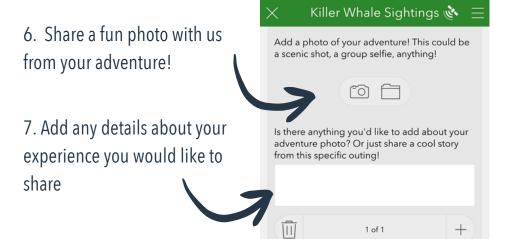


5. Begin entering observation data



This was emailed to you when you signed up for the project. You can also

(no whales sighted)



8. Record your adventure route.

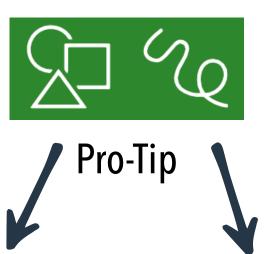


Select either the polygon or line tool.



(no whales sighted)

Using the drawing tools



The <u>polygon tool</u> is great for activities where you are in one location while searching.

For example: on the shore preparing to catch waves on your surfboard and looking out into open water.

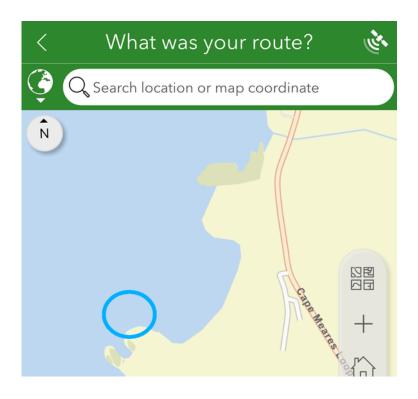
The line tool is great to show activities where movement takes place.

For example: a hike, walk, or run along the shore, or a kayak paddle in open water.

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Using the polygon tool

Click the symbol then use your finger to draw a polygon shape showing where you were able to make the observation. In other words, what was your line of sight? Once you finish drawing, the application will turn your drawing into a polygon figure.



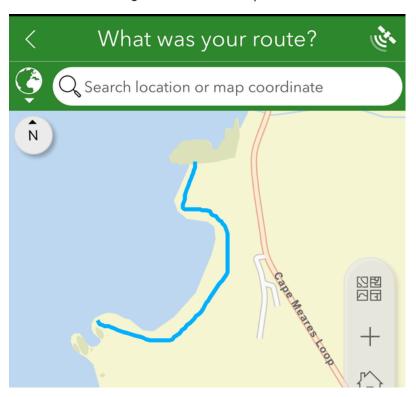
If you do not like the shape created, press the polygon symbol again to redo. Otherwise, click the arrow in the bottom right corner to accept.

Using the line tool

Click the symbol then use your finger to draw a line demonstrating the route of your activity.

<u>NOTE</u>: Once you pick up your finger, you can no longer draw a line. In other words, you must draw the entire route with one continuous motion.

If you do not like the line created or accidentally pick up your finger too soon, press the line symbol again to redo. Otherwise, click the arrow in the bottom right corner to accept.

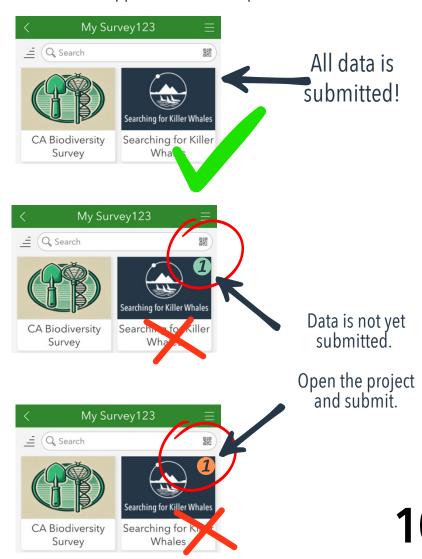


The line your draw does not need to be perfect. It is used to understand the location of your activity and observation.

(no whales sighted)

- Click the check mark in the bottom right corner to submit your observation data.
- 10. Check that your data was submitted.

Close the application then reopen.



Entering Whale Sighting data

1. Open the Survey 123 App.



2. Click "Continue without signing in"

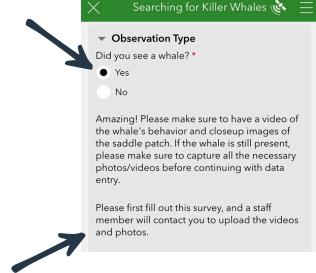


3. Click the "Searching for Killer Whales Project"





5. Begin filling in observation data.



NOTE: You will not share whale observation photos or videos in this application. An email will be sent to you to share this media AFTER you submit this observation in the application. This will allow for you to share higher quality (larger file size) photos and videos that are limited within this application.

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6. Enter the whale sighting location.

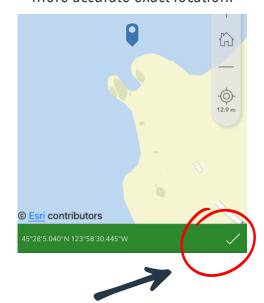
Click this icon to mark your location right now. Use this if you are in the exact location of the sighting.

Pro-Tip:

Using the map icon provides the most accessible way to mark an exact observation point.



Click this icon to open a map and select the observation location. This is a great choice if you are no longer in the observation location or to choose a more accurate exact location.



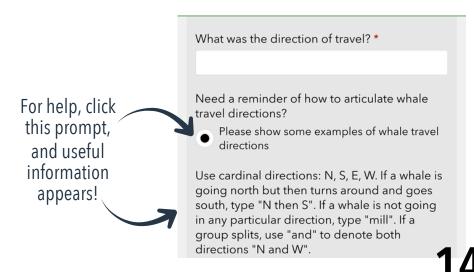
Click here to accept the location.

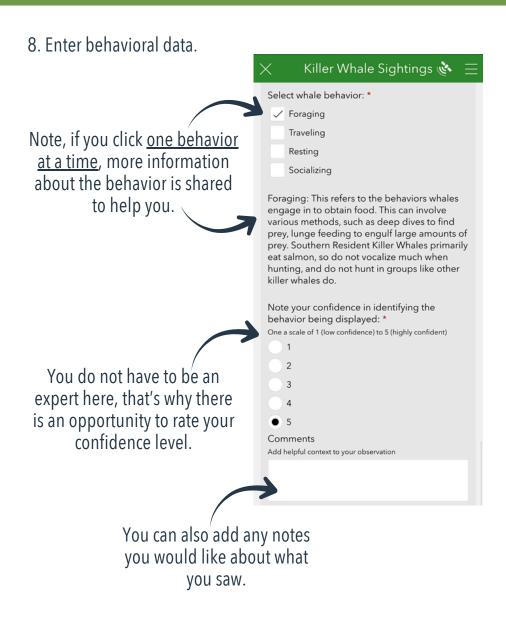
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6. Enter additional observational data.



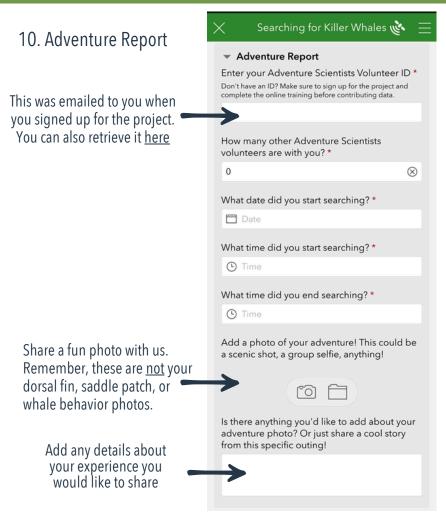
7. Enter travel direction information.





9. Environmental Data Entry

X	Killer whale Sightings & =
▼ Er	nvironmental Conditions
Weath	ner: *
	unny - The sky is mostly clear with little to no loud cover (0%-10%)
O In	fixed (Partly Cloudy / Partly Sunny / ntermittent) - A combination of sun and louds throughout the day. Cloud cover us pically 30% to 70%
C	loudy - The sky is completely or almost ompletely covered with clouds (70% - 00%)
Was fo	og present? *
Y	es
N	lo
Rain:	*
O N	lo Rain - No rain falling
	ight Rain - Thin, gentle rain; barely oticeable at times
_ N	oderate Rain - Steady and visible rain
	eavy Rain - Intense downpour; can reduce sibility
Wave	Height: *
c	alm (<0.5 m)
_ N	loderate (0.5-2.5 m)
R	ough (>2.5 m)
Appro	oximate temperature in Fahrenheit (°F) *



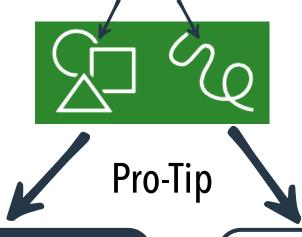
11. Record your activity route.



Once you click this icon, a map will appear. (continue to the next page for more details about this step.

Recording the route.

Select either the polygon or line tool.



The <u>polygon tool</u> is great for activities where you are in one location while searching.

For example: on the shore preparing to catch waves on your surfboard and looking out into open water.

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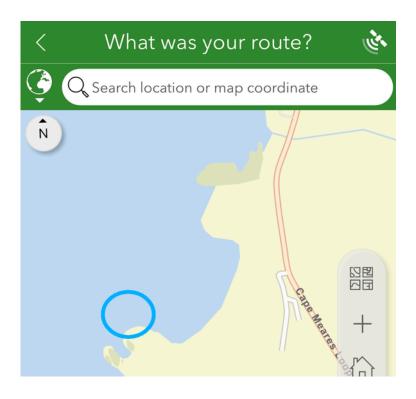
The line tool is great to show activities where movement takes place.

For example: a hike, walk, or run along the shore, or a kayak paddle in open water.

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Using the polygon tool

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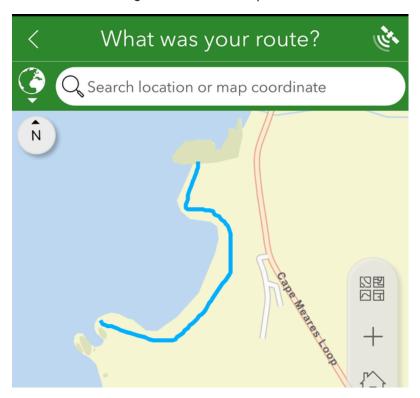
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Using the line tool

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NOTE: Once you pick up your finger, you can no longer draw a line. In other words, you must draw the entire route with one continuous motion.

If you do not like the line created or accidentally pick up your finger too soon, press the line symbol again to redo. Otherwise, click the arrow in the bottom right corner to accept.



The line your draw does not need to be perfect. It is used to understand the location of your activity and observation.

- 12. Click the check mark in the bottom right corner to submit your observation data.
- 13. Check that your data was submitted.

Close the application then reopen.



Submitting Whale(s) Sighting Media

After submitting your observation in Survey 123, an email will be sent to you with a special link to submit your photos and video(s).

While you wait for this email to arrive:



Organize your media, select the best dorsal fin and saddle patch photos for each whale observed.

Safety Considerations

As an Adventurer, you know that participating in outdoor activities such as hiking, biking, climbing, surfing, sailing, etc have inherent risks involved such as injury or wildlife encounters.

Before you head out on your adventure, familiarize yourself with potentially dangerous local wildlife encounters to consider (animal and plant), pack a first aid kit, and complete any additional safety preparation you feel is necessary for your adventure!

Pay close attention to and abide by all USCG, MMPA, and other maritime regulations in your area.

IN CASE OF EMERGENCY FIRST, CALL 911

Once you are in a safe situation, after the emergency, alert Adventure Scientists staff about the incident by contacting: (406) 579-9702.

ONLY contact this number if you are reporting an incident.

Have project-related questions?

Email: orcas@adventurescientists.org