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Group Activity

ZOONIVERSE - SPYFISH AOTEAROA

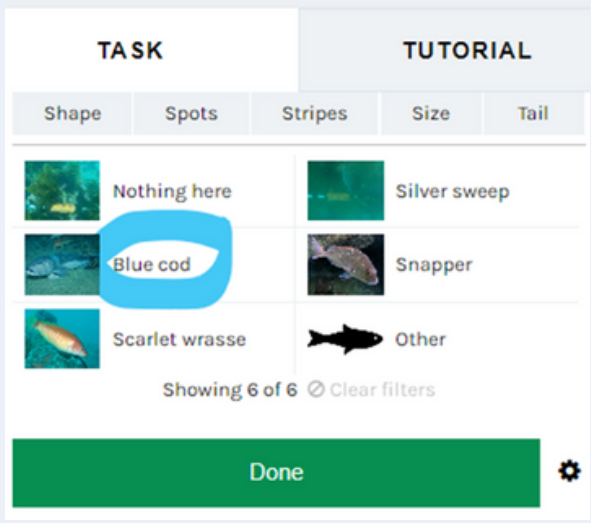
In this activity, your group classify Baited Underwater Video in the Tupuae Reserve!

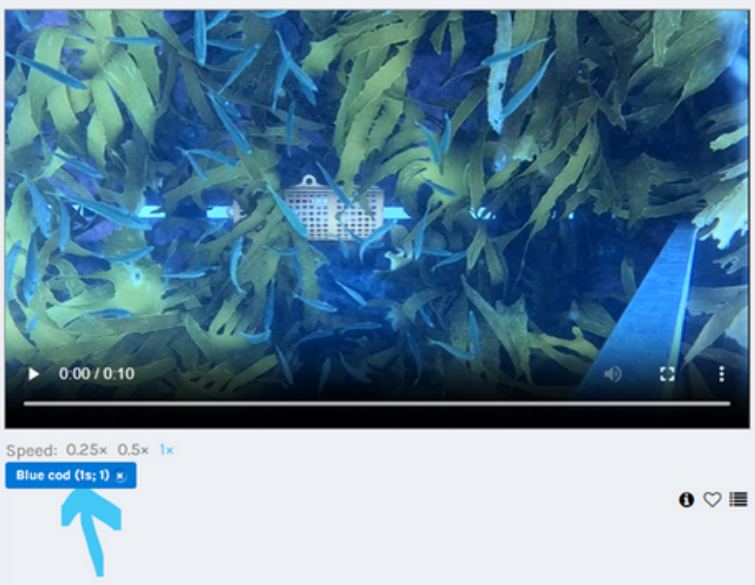
LOGGING IN:

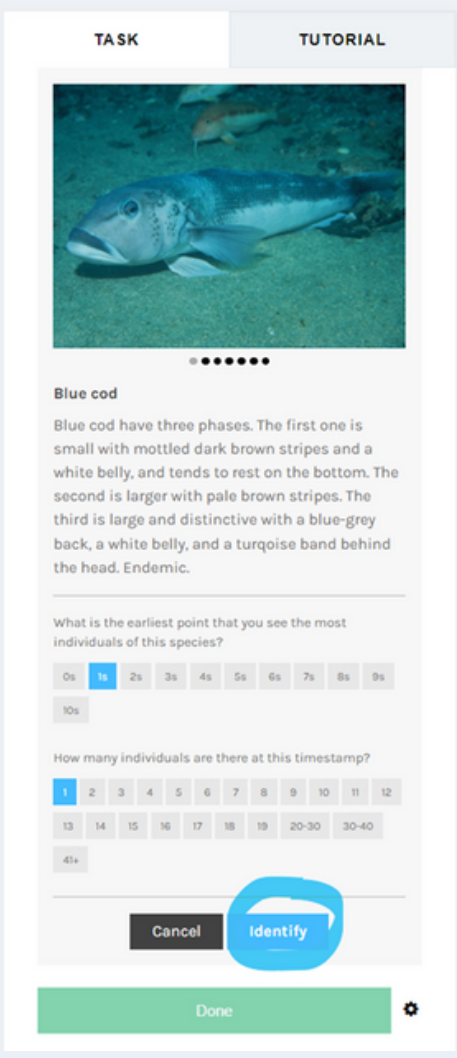
1. Open the internet and go to: **www.zooniverse.org/projects/victorav/spyfish-aotearoa**
2. Click on the "**SIGN IN**" option in the top right corner of the Spyfish Aotearoa home page
3. Use the username and password provided to you by the teacher

HOW TO CLASSIFY VIDEOS:

4. **Watch** the underwater 10 second video clip
5. **Identify** what species you saw from the list provided
6. Look at the **timestamp** when you first see the **most** individuals of one species of fish
7. Note the **number** of individuals at that timestamp. This number is the **MAXcount**
8. Select "**Identify**" once you have classified one species
9. Repeat the steps above for every species you see in the video clip. If there are **no animals in the clip**, select "**Nothing here**". If you see a fish that isn't in the list, select "**Other**"







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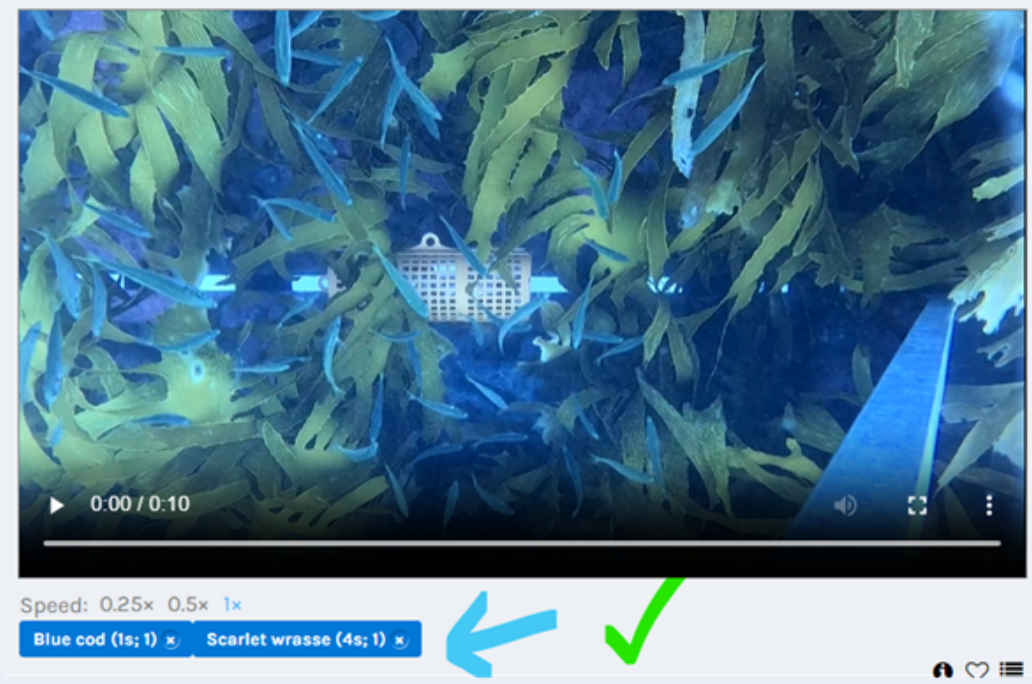
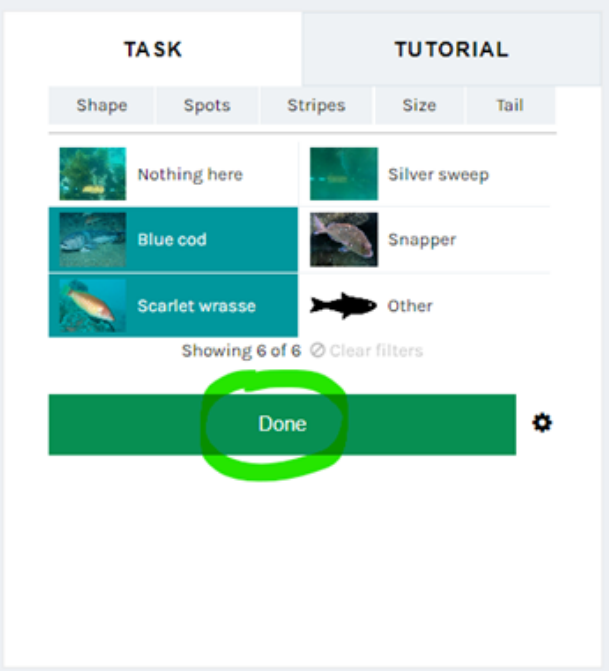
HOW TO CLASSIFY VIDEOS (CONTINUED):

10 • Once all the fish species have been classified and show down the bottom of the video in blue - Select the green "**Done**" button





TIPS FOR IDENITFYING SPECIES:

- ·Click on the species names to see photos and descriptions, including which species can be confused with each other
- ·Use the “Shape”, “Spots”, “Stripes”, “Size” and “Tail” categories to narrow down which species your fish could be
- ·Slow down to 0.25x or 0.5x speed for a better look

HOW MAXCOUNT WORKS:

MAXcount is the measure of fish abundance (large quantity of something) used for baited underwater video surveys like the ones in Spyfish Aotearoa. Its definition is “the maximum number of individuals of a particular species present onscreen at the same time.”
If we just counted all the individuals that appeared in the entire video, we might end up counting some fish twice if they enter the camera view, swim away, and then swim back in again.

MAXcount example 1
One snapper and one blue cod are onscreen at the start of the clip, and both remain until the end. One blue cod enters at 5s (the 5-second mark), nibbles at the bait, and swims offscreen at 8s.
Snapper: MAXcount is 1 and timestamp is 0s.
Blue cod: MAXcount is 2 and timestamp is 5s.

Check out the Field Guide for more tips and tricks such as how to spot a camouflaged fish, as well as an FAQ section which has answers to frequently asked questions. Happy classifying!