



HOW TO GUIDE

www.wildtracker.com.au

CREATING AND EDITING YOUR PROFILE.....	2
SELECT A PROPERTY	3
CREATE A SITE.....	4
CREATE A SURVEY / UPLOAD PHOTOS.....	7
HANDLING FAILED UPLOADS.....	10
STICKYBEAK PROCESSING.....	11
CLASSIFYING PHOTOS	12
NON-ANIMAL DETECTIONS.....	18
OVERLAPPING BOUNDING BOXES AND THE AUTO NAVIGATE FEATURE.....	19
USING PHOTO FILTERS	20
INVITING A USER	21
SHARING PHOTOS.....	22
FORGOTTEN PASSWORD.....	23
EDITING SITE LOCATIONS & ADDING COVER PHOTOS	23
CLASSIFIER WINDOW AT A GLANCE.....	24

CREATING AND EDITING YOUR PROFILE

When you first log in, you will be prompted to agree to the WildTracker Terms and Conditions. To do so, scroll to the bottom of the text, check the box, and click **Confirm**.

Review

This Privacy Policy will be reviewed and updated regularly in accordance with development of the WildTracker citizen science program.

I have read and agree to the WildTracker Terms of Use and Privacy Policy

Logout

Confirm

Next, you will be asked to create a profile name. This name can be anything you choose and is separate from your login username (your email address). It will be displayed on your WildTracker dashboard and in any tallies on the homepage if you choose to “make your profile public”.

You can update your profile settings at any time by clicking the drop-down menu at the top right of the screen, near your profile picture icon. From there, select **Edit Profile**.

Hey, let's setup your profile

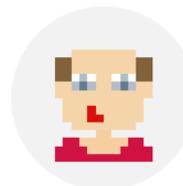
Set your Username

Help us identify you on WildTracker. This can be whatever you like, use your real name, a nickname or make something up.

Username

Set a profile picture

Customise your account by adding a profile picture. This image won't be visible to others unless you mark yourself as public.



Make my profile public



Turning on your public profile will allow other WildTracker users to see your name and avatar (profile picture) in leaderboard tables and competitions. Your contact information, property details and the camera images that you upload will remain private. For more information, check out our Privacy Policy.

Skip

Save

To set your profile picture, **click on the avatar (currently a pixelated face)**. This will open File Explorer (Windows) or Finder (Mac), allowing you to browse for an image file. The photo doesn't have to be of you, though I'm sure you have a lovely face – why not upload a cute photo of your favourite Tasmanian animal instead?

Alternatively, you can click and drag a file to the avatar icon to upload an image.

Finally, you can choose to make your profile public. Your WildTracker photos, property map, comments, and contact information are visible only to you and any users you invite as a user to view your account. If you make your profile public, **the only change is that your name and profile picture may appear in the photo tagging tally on the homepage**. Additionally, you will be able to share your favoured photos with people who are not WildTracker users. For more information, see *Sharing Photos*.

SELECT A PROPERTY

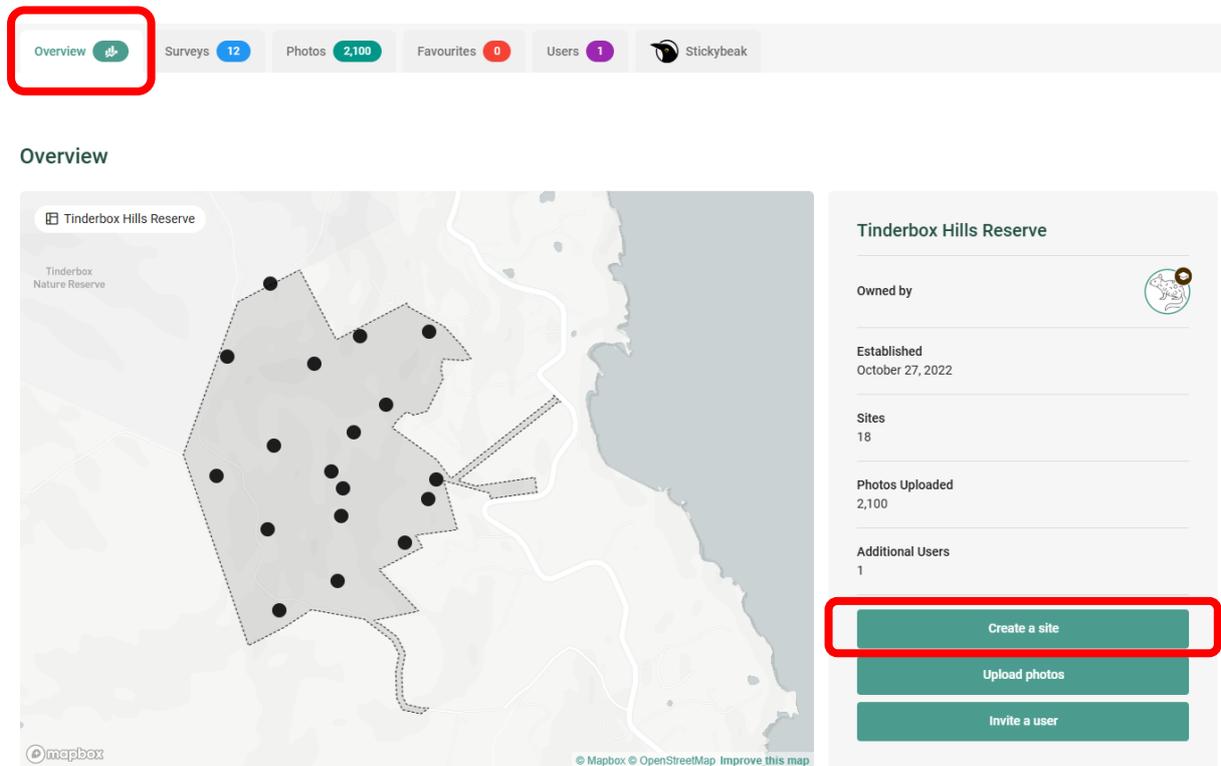
- Click **My Property** in the menu bar located at the top right of the screen.
- If your WildTracker account is linked to a single property, it will be displayed by default.
- If you have multiple properties associated with your account, click the green arrow to open a dropdown menu and select the desired property.

The screenshot displays the WildTracker interface for the 'Tinderbox Hills Reserve' profile. At the top, the profile name 'Tinderbox Hills Reserve' is shown with a green dropdown arrow. Below this, a navigation bar contains 'Overview' (selected), 'Surveys 12', and 'Photos 2,100'. A dropdown menu is open, listing several properties: 'Francistown Road, Dover', 'Narrows Road, Strathblane', 'Lords Road, Pelverata', 'Tasman Highway, Rocky Hills', and 'Tooms Lake Road, Ross'. The main content area includes a map of the reserve and a sidebar with details like 'Owned by' and 'Established October 27, 2022'.

CREATE A SITE

1. Navigate to the Create a Site Page:

- On the *Overview* tab, look to the right of the property boundary map. You'll see three buttons. Click the first button, **Create a Site**.



2. Name your site:

- Enter a name for your site.
- Keep it short yet descriptive or creative so you can easily identify the correct location for uploading photos later.

Create a Site

Before uploading photos from your camera-trap, you'll first need to tell us where it was located and upload a cover image for the site.

Basic information Give your site a name and locate it on the map	Upload a photo Add a photo to help identify your site
--	---

Name your site

Be creative or descriptive. Whatever helps you recognise the site.

Site Title Near pardalote nest box

3. Add coordinates:

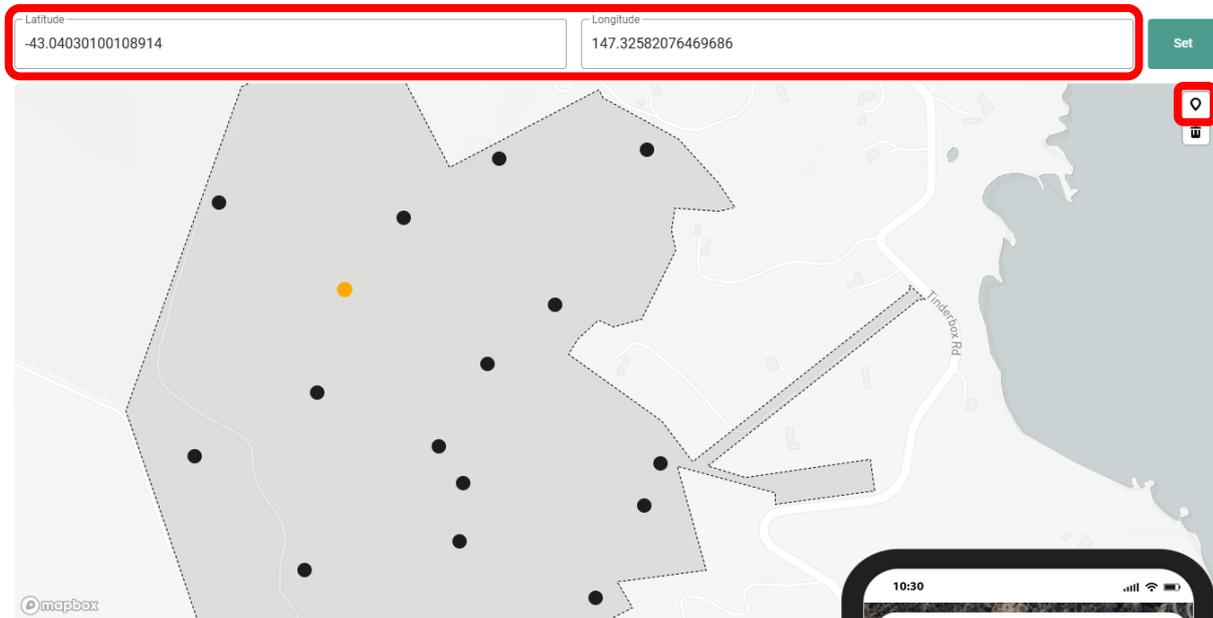
- Enter the latitude and longitude for your camera location in decimal degrees format.
- Ensure you include the negative symbol (-) for latitude to indicate the location is south of the equator. Omitting this could place your site in the Sea of Japan!

How to find coordinates:

- Using the map marker tool on WildTracker:
 - On the right-hand side of the map (above the trash can icon), click the **Marker Tool** 
 - The cursor will change to crosshairs over the map. Click at the camera location to place a yellow dot. The coordinates will be automatically entered.

Choose your location

Add a point on the map by clicking the marker tool in the top right of the map, or enter the Latitude and Longitude manually.



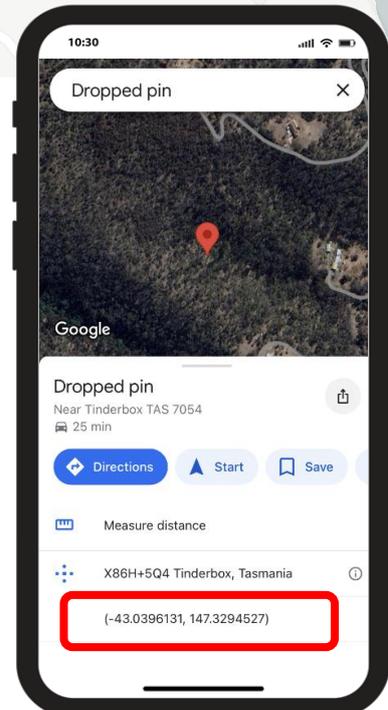
- Using a smartphone (Google Maps):
 - Open the Google Maps app and navigate to your location.
 - Tap and hold your finger on the map where the camera was deployed to create a red waypoint.
 - The coordinates will display below the dropped pin.
- Using a GPS device:
 - A GPS can provide more precise coordinates.

4. Adjust the marker if needed:

- If the yellow dot is incorrect, click the trash can icon to delete it, then try again.

5. Set the site:

- Click the **Set** button to confirm your site, changing the dot from yellow to blue.



6. Click Create Site.

7. Upload a cover photo of the site:

- While setting up or retrieving the camera, take a few photos of the surrounding habitat. These can act as photo points, providing a snapshot of habitat condition and allowing you to track changes in the environment over time. If you don't have any photos available, you can upload your favourite camera trap image from the site instead. This helps you to quickly identify the site when browsing the property map later.
- You can browse site information on your map by clicking the dots. Selected sites will highlight in green.

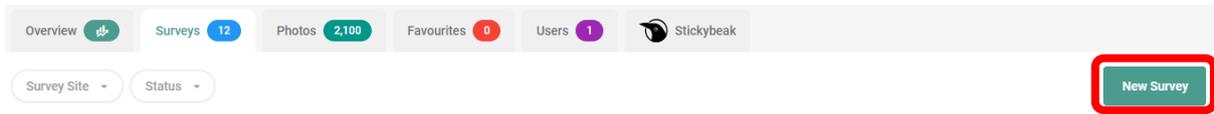


- To upload an image:
 - Drag and drop the file into the grey box, *or*
 - Click the **+** button or anywhere in the grey box to open your file explorer and select the image manually.

8. Complete site creation by clicking **Done**.

CREATE A SURVEY / UPLOAD PHOTOS

1. From the *Overview* tab, click the second button on the right **Upload photos**. Alternatively, go to the *Surveys* tab and either click anywhere within the **Upload photos** box (if this is your first survey) or select **New Survey** on the right.



2. In step **1 When and where**, select the site where you collected photos from the drop-down menu (if none appear, you will need to create a site first). Then, enter the start date from when you deployed the camera and the end date when you collected the camera. Remember, for the best quality data, we like for cameras to be located in the same location for one month. However, photos taken over a shorter period, such as a few days, are still useful.

A screenshot of the 'When and where' step in a survey creation process. The step is indicated by a green circle with the number '1'. The title is 'When and where' and the subtitle is 'Select a site and the start and end dates for your survey.' There is a 'Site' dropdown menu with the text 'Near pardalote nest box'. To the right of the site menu is a calendar icon. Further right is an 'End Date' input field with a calendar icon. A 'Save' button is located to the right of the 'End Date' field. A calendar overlay is visible, showing 'December 2024' with the date '13' circled in green. Below this step is another step indicator '2 Add your photos' with a subtitle 'Drag your photos here to add them to the survey, or use the button on the right to use the file explorer.' and an '+ Add photos' button.

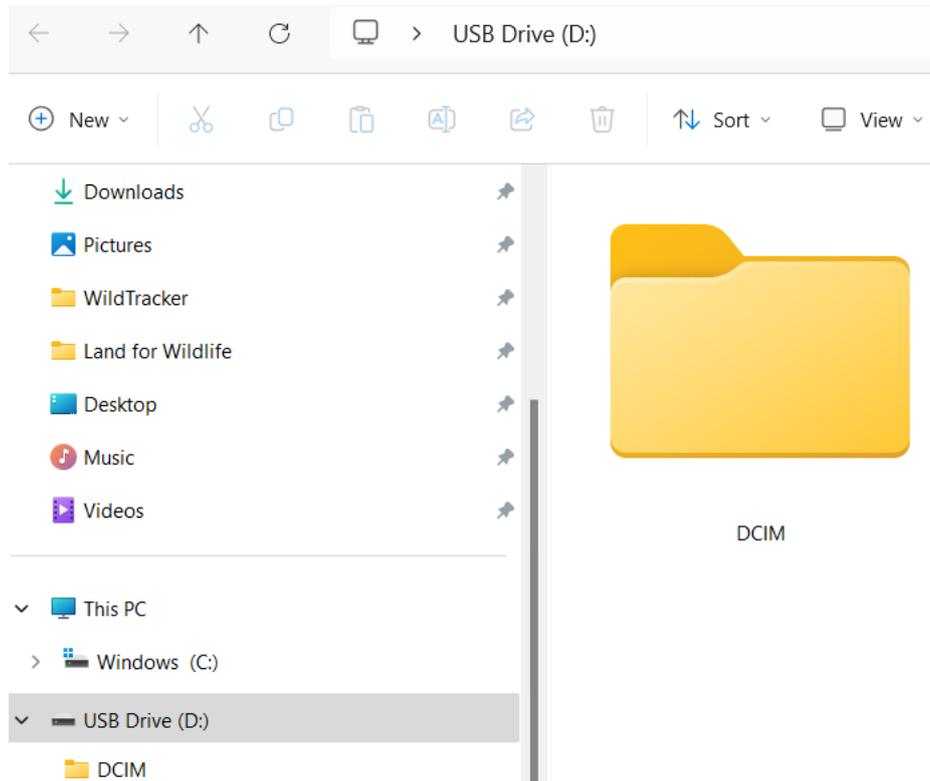
3. In step **2 Add your photos**, select all the photos you wish to add to your survey.

A screenshot of the 'Add your photos' step in a survey creation process. The step is indicated by a green circle with the number '2'. The title is 'Add your photos' and the subtitle is 'Drag your photos here to add them to the survey, or use the button on the right to use the file explorer.' On the right side of the step, there is a green button with a plus sign and the text '+ Add photos'.

- o Locate your photos:
 - Remove the SD card from the camera trap and insert it into your computer's card reader, this may be internal (built into your computer) or external (connected via USB).

Alternatively, connect the camera directly to your computer using the USB cable provided. This allows you to access the photos without removing the SD card or the need of a card reader.

- Open your **File Explorer** (Windows) or **Finder** (Mac) if this does not do so automatically. Navigate to the SD card, where photos are typically stored in a folder named something like DCIM or 100MEDIA. Open this folder (by double clicking on it) to view your images.



- Select your photos:
 - To select multiple photos, click the first photo, hold the **Shift** key on your keyboard, then click the last photo. Or press **Ctrl + A** (Windows) or **Command + A** (Mac) to select all photos in the folder.
 - Drag and drop the selected photos into the *Add your photos* box (above). **You cannot drag an entire folder of photos; you must select and upload individual photo files.**
 - Alternatively, click the **+ Add Photos** button to open your file explorer. Navigate to the SD card and browse for the photos you wish to upload.
- When photos are added to the upload box, a message will appear to show that the upload is in progress.

Upload in progress...

Upload in progress! Do not refresh or close the page

We're currently uploading your photos. This can take some time depending on the number of images you're uploading and your internet speed.

3 of 7 uploaded

Done

Upload complete!

Your photos have been successfully uploaded

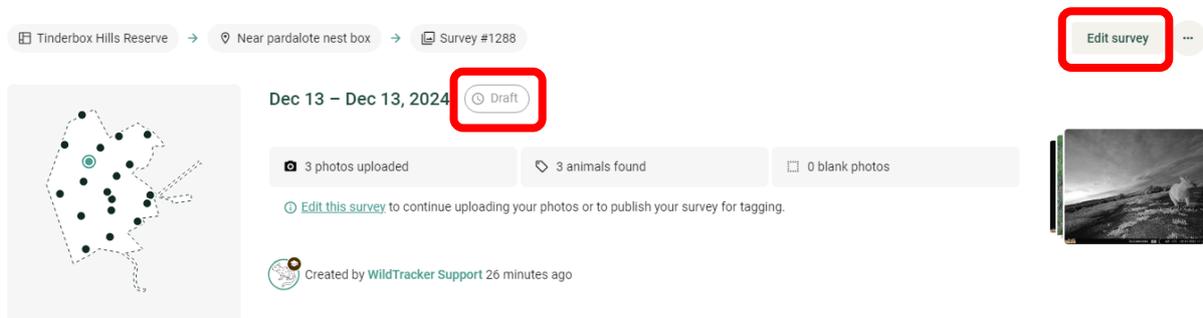
Upload complete!

Done

4. Uploading photos may take some time, depending on your internet speed. The upload process has been significantly improved from earlier versions of WildTracker. **Please be patient and upload all your photos, even if you have thousands.**

- While uploading:
 - You can continue using your computer for other tasks, but activities like streaming video or other data-heavy processes might slow the upload.
 - If you need to step away or interrupt the upload, any successfully uploaded photos will be saved to your survey, which will appear as a **Draft** under the *Surveys* tab.

- Resuming an upload:
 - To continue uploading, click the **Edit Survey** button next to your **Draft** survey. This allows you to add more photos or retry uploading any that failed.

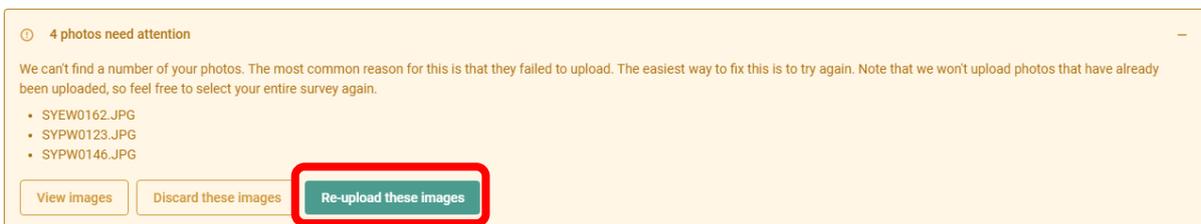
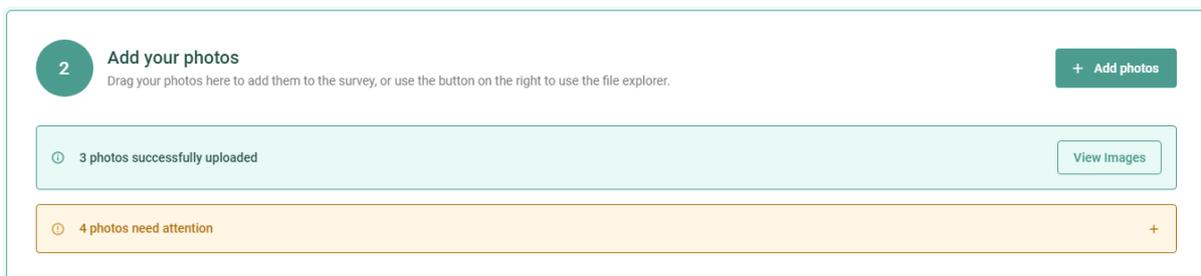


5. Publish your survey: When your upload is complete, click the **Publish** button to finalise your survey. Once published, you will no longer be able to add or remove photos. Before publishing, double-check that your dates and site location are correct. If you realise there's an error after publishing, you'll need to contact support at wildtracker@tasland.org.au to request deletion of the survey.

HANDLING FAILED UPLOADS

Photos that fail to upload will be listed with alerts in **orange** at *Step 2 Add your photos*. The most common reason for upload failures is an interrupted internet connection.

1. Click **Re-upload these images**: Locate the failed images and try uploading them again by dragging and dropping as before.
2. **View images** to investigate the issue:
 - Look for potential problems like corrupt files or unusual filenames.
 - Files not created by a camera trap, such as screenshots, can sometimes cause errors because they lack key metadata, like the date the image was taken. To minimise errors, try to upload the original, unaltered image files from your camera trap. Avoid using screenshots or images edited with third-party software (e.g., Photoshop).



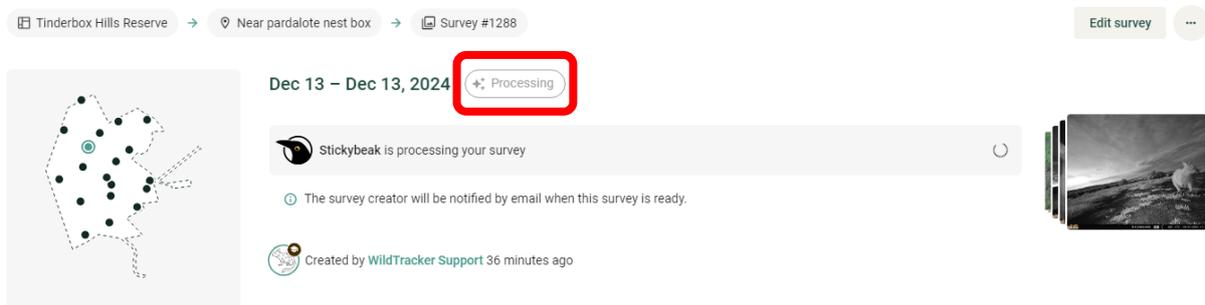
3. **Discard**: This will clear any photos that are causing problems. If photos consistently fail to upload without obvious explanation, please email wildtracker@tasland.org.au to let us know.

STICKYBEAK PROCESSING

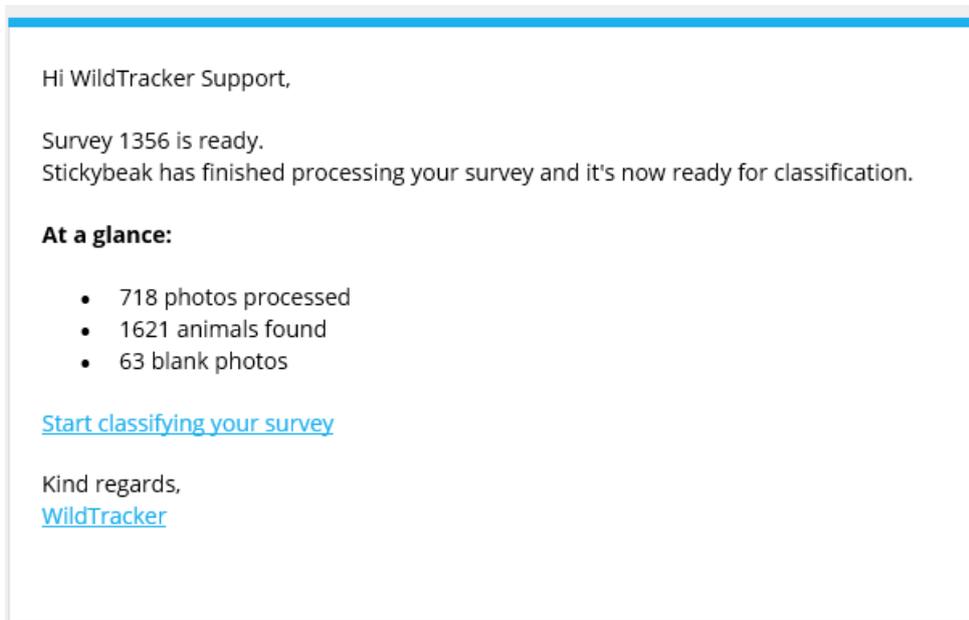
Stickybeak is WildTracker's artificial intelligence infrastructure which will automatically remove blank camera images, detect potential animals in your photos, and classify them by species.

Photo processing with Stickybeak begins as soon as images are uploaded to a survey, even while it's in the **Draft** stage. **You don't need to keep WildTracker open, stay connected to the internet, or leave your computer running for the processing to continue.**

While your photos are being processed, the survey will have the Processing icon displayed.

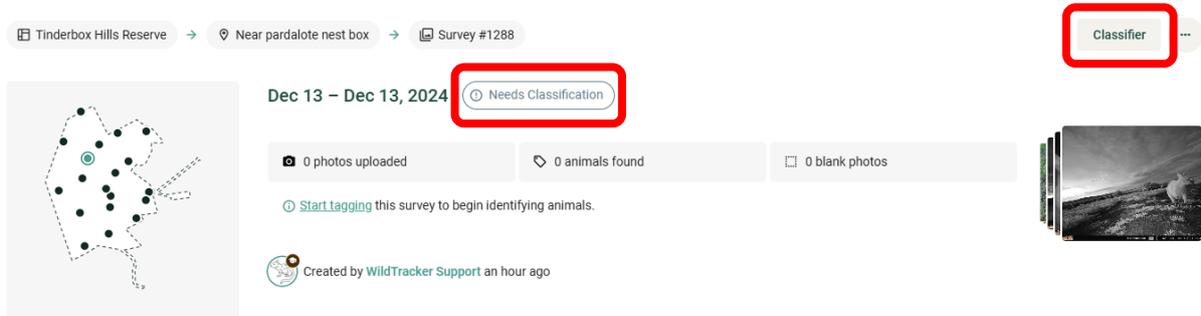


Once Stickybeak finishes processing the photos, the survey creator and the property account owner in WildTracker will receive an email notification like the one below.



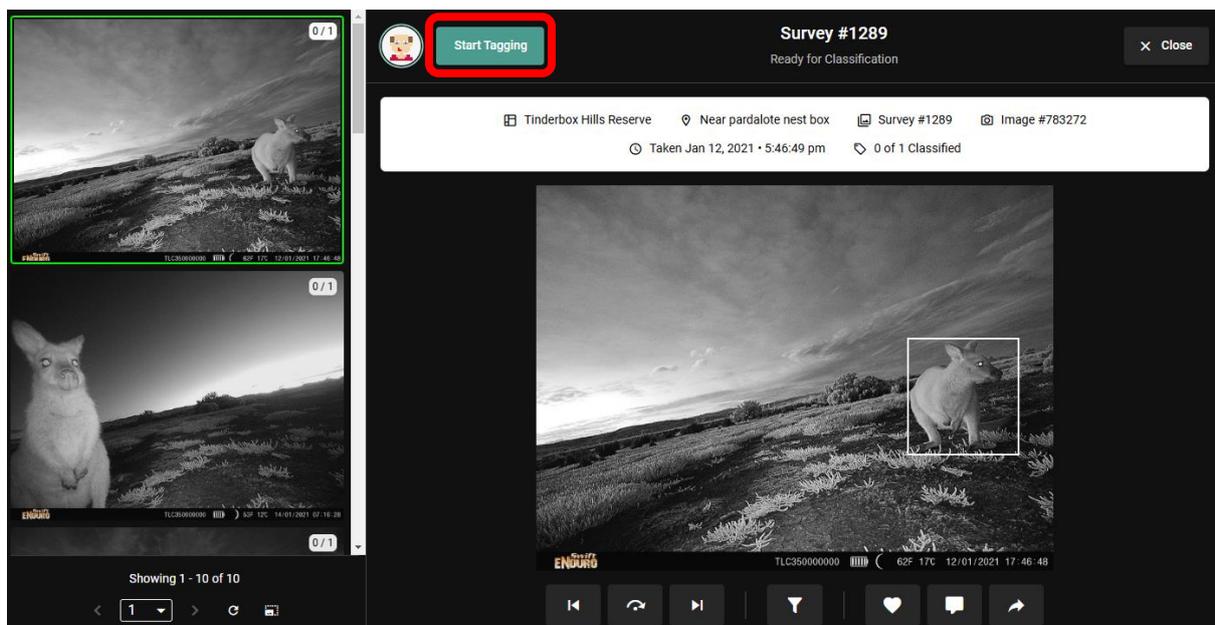
CLASSIFYING PHOTOS

Once a survey is published and processing is complete, it's time to review Stickybeak's tags and classify the species in your photos. Surveys that need classification are labelled with a **Needs Classification** tooltip under the *Surveys* tab.

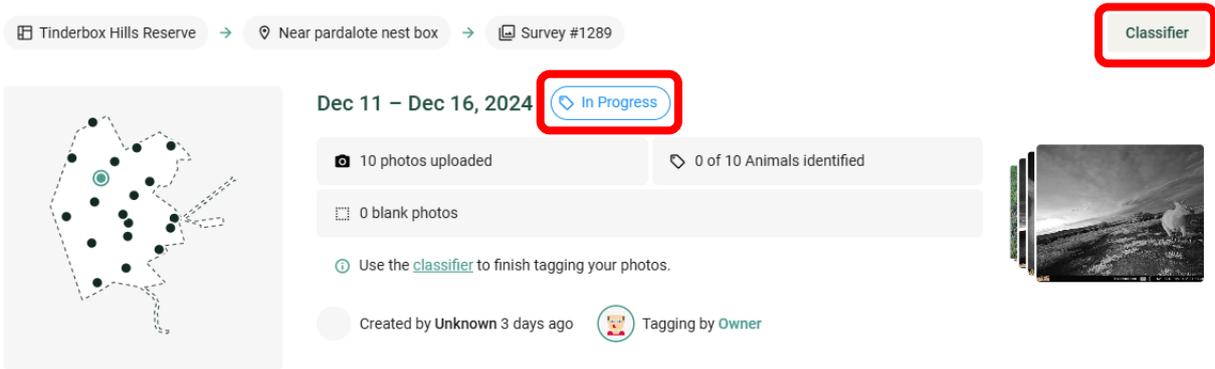


1. Open the Classifier:
 1. Go to the *Surveys* tab.
 2. Click the **Classifier** button next to the survey you want to classify.

2. Begin tagging:
 - Click **Start Tagging** at the top-left corner. **Only the user who clicks this button will have access to classify photos within this survey. One survey = One user's tags.**
 - A pop-up reminder will appear, advising not to click **Mark as Complete** until all photos are classified. Select **Let's Start** to proceed.

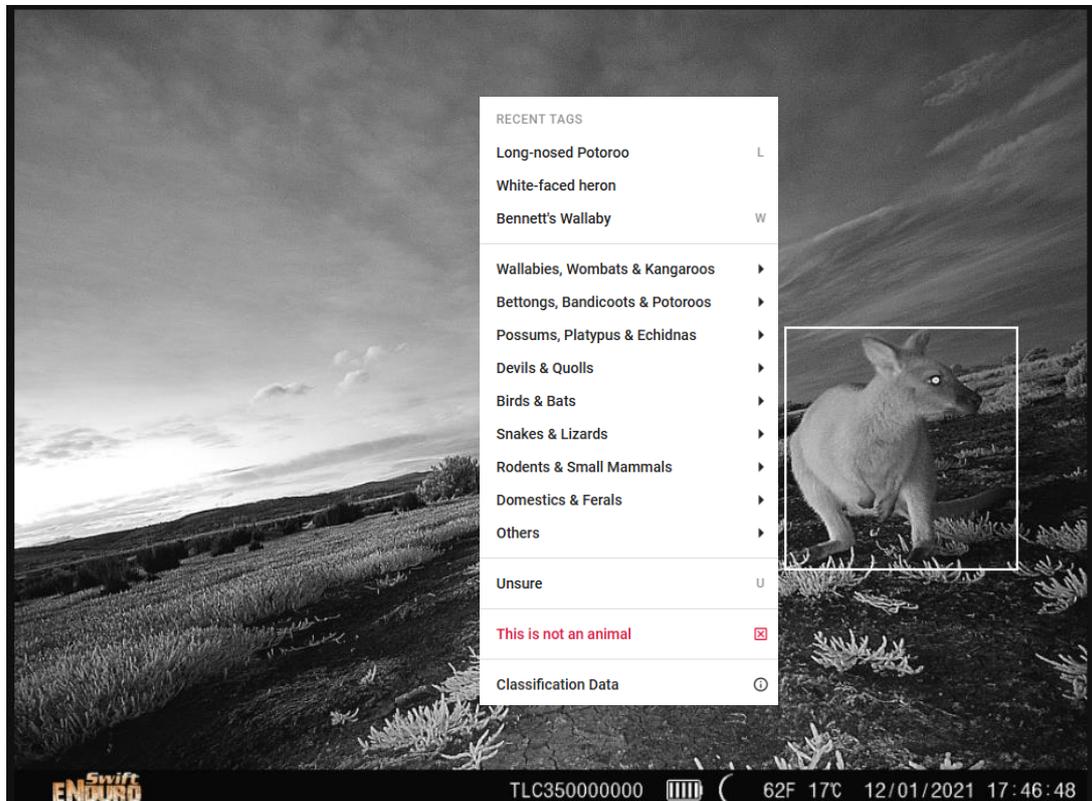


- If you close the Classifier window after this step, the survey will appear as **In Progress** under the *Surveys* tab. You can return to the classification window by clicking **Classifier**.

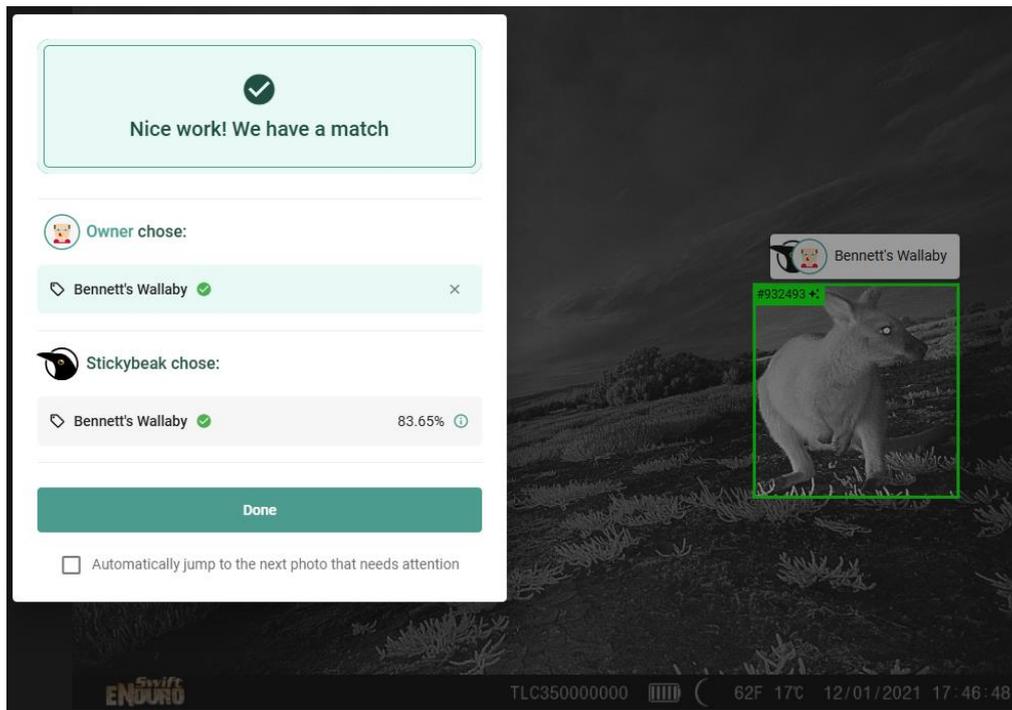


3. Add a species tag:

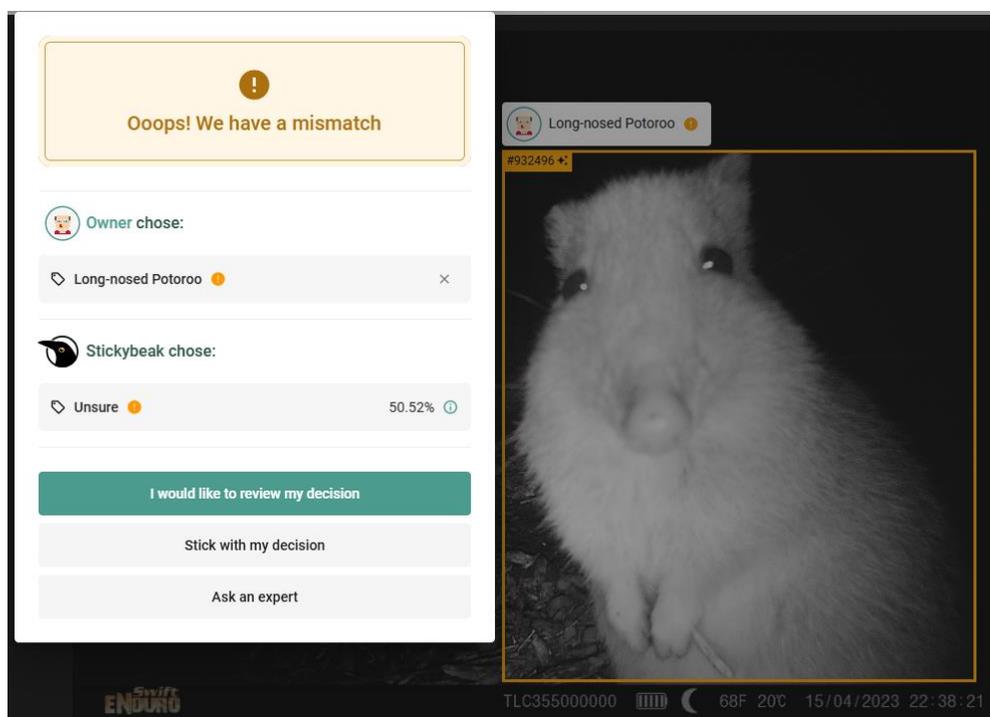
1. Stickybeak uses bounding boxes to highlight potential animals. Hover over a box to dim the background, making the subject clearer. Outside of the box, the mouse cursor will swap to a magnifying glass. Click anywhere on the photo to zoom in for a closer look, and click again to return to the wider view.
2. **Click within the bounding box** to assign a species tag. A list of available species will appear.
3. Select a species name using the mouse or use the corresponding hotkey on your keyboard (e.g. press **W** for Bennett's Wallaby).
4. For species that are hard to distinguish, such as rodents and other small mammals, broader categories like *Unsure – Small Mammal* are available.
5. Recently used tags will move to the top of the list for convenience.



4. If your tag matches Stickybeak's prediction, the bounding box will turn green, and a confirmation message will appear.

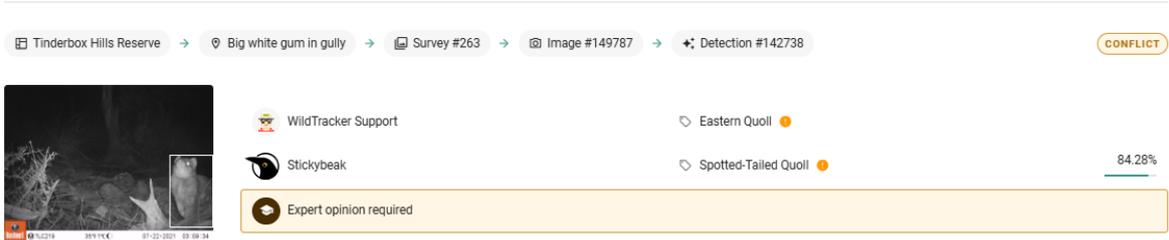


5. If your tag does not match Stickybeak's prediction, the bounding box will turn orange, and a message will indicate the mismatch giving you three options. These mismatches are referred to as **Conflicts**.

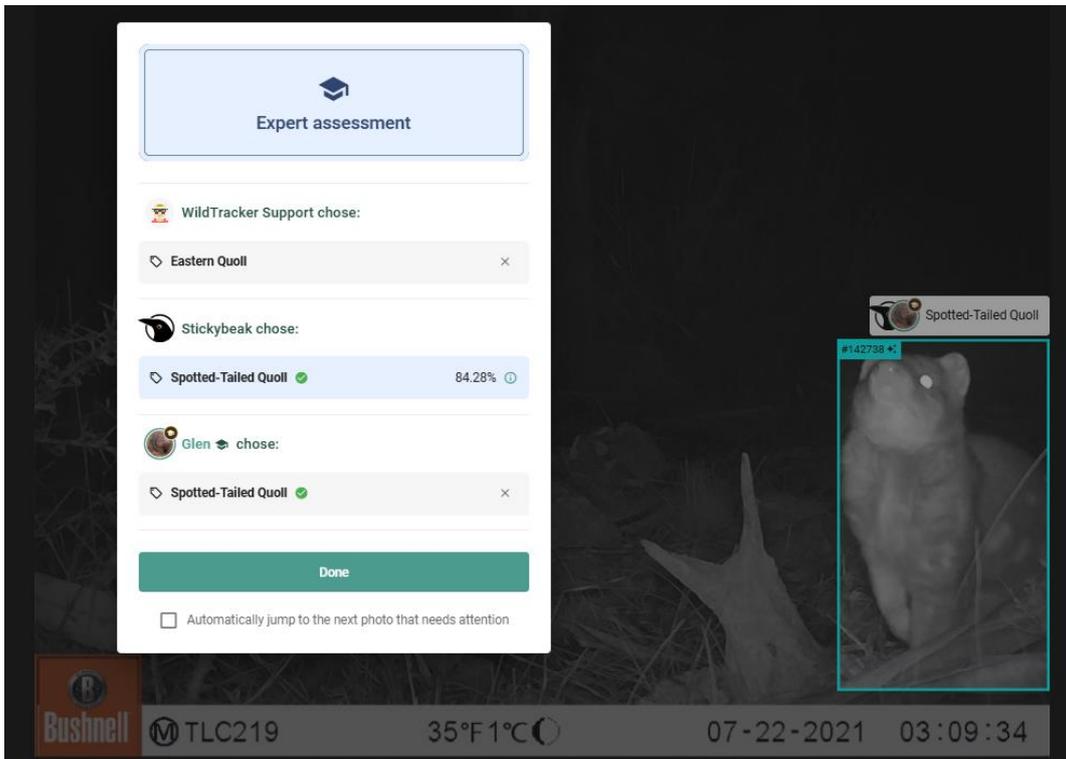


6. Select one of three options:
- **I would like to review my decision:** Remove your tag and reclassify based on Stickybeak's suggestion.

- **Stick with my decision:** Confirm your tag if you're confident Stickybeak is incorrect.
- **Ask an expert:** Retain both tags and send the photo to an ecologist at the Tasmanian Land Conservancy or trained volunteer for review.



When an expert resolves a conflict and adds their tag, the bounding box will turn blue, and the conflict will be marked as resolved.



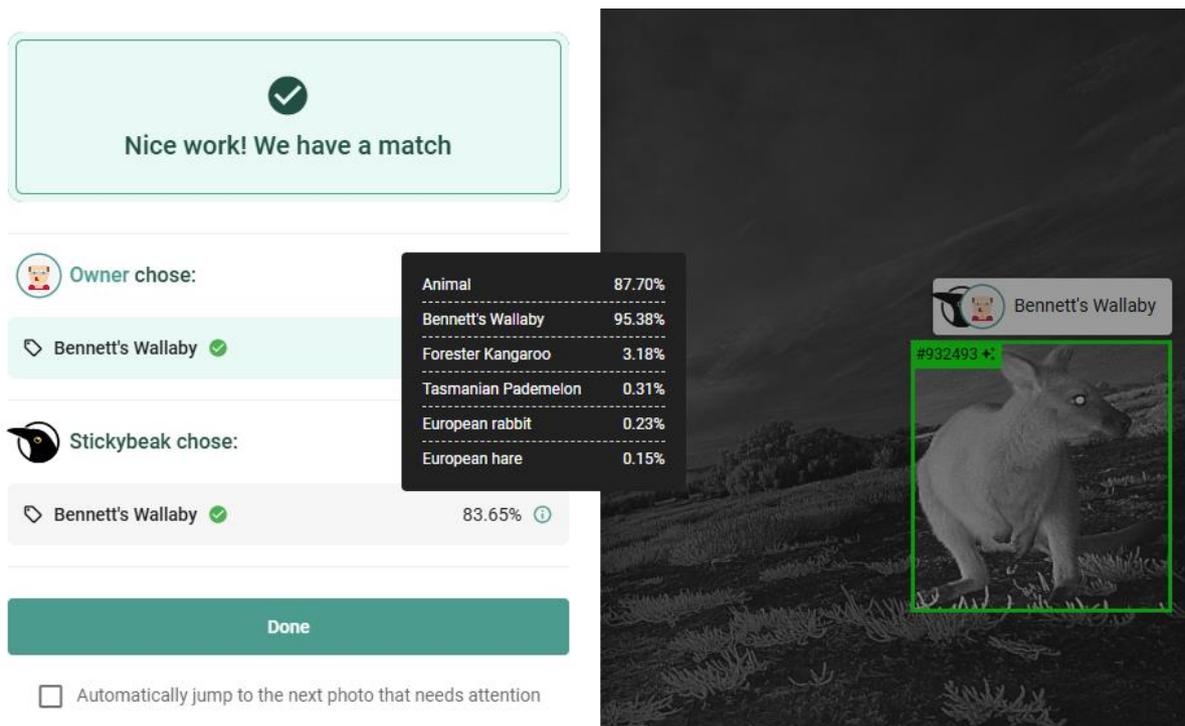


In the above example, the preview of the photo shows 1 / 1 indicating that the single box drawn by Stickybeak on this photo has been tagged. This would be 0 / 1 otherwise. The green tick icon indicates a match between Stickybeak's prediction and your decision. This would appear an orange exclamation mark otherwise. The red heart indicates the photo has been favourited. The green speech bubble indicates that the photo has a comment associated with it.

STICKYBEAKS CONFIDENCE TABLE

For more information on how Stickybeak came to its decision:

1. Hover over the tool tip (i) icon with your mouse.
2. A table will pop up with details:
 - Row 1 indicates how confident Stickybeak was that the bounding box correctly identified an animal being present. In this example, 87.70% confidence.
 - Row 2 indicates the highest ranking classification by Stickybeak – 95.38% Bennett's Wallaby
 - Row 3 indicates the second highest ranking classification – 3.18% Forester Kangaroo
 - And so on...
3. This table can help you narrow down a potential species classification, or you might find Stickybeak is way off. The AI models mightn't have seen a photo like yours before or may not be trained to recognise the species in your photo.



Remember, like all AI, Stickybeak isn't perfect — one reason we ask you, a human, to accept or reject Stickybeak's tags is to help improve its accuracy. Some suggestions may be wildly inaccurate — a fur seal in my backyard?! We encourage you to take these classifications with a giggle, not a grumble.

Stickybeak has three key limitations:

1. **No sense of context:** Stickybeak doesn't know whether your camera is at the beach or in the Central Highlands. If only part of an animal is in the frame, Stickybeak might struggle. But you, clever as you are, can check the photos before and after to fill in the gaps.
2. **No sense of scale:** Stickybeak treats all objects equally, shrinking or stretching them into 600 x 600 pixel squares. A wombat might look the same size as an *Antechinus* in its eyes.
3. **Limited knowledge:** Stickybeak only knows what it's been taught. The current model is missing some Tasmanian species from its repertoire. For example, many of our birds are, ironically, unknown to Stickybeak, so it's likely to misidentify them.

When Stickybeak suggests a species with a confidence level below 50%, there's a high likelihood it may be incorrect. Similarly, if multiple species are suggested with similar confidence levels, it indicates that Stickybeak is struggling to accurately identify the animal. Often, when an animal is up close to the camera or the photograph was taken at night in the fog, Stickybeak will assign an Unsure tag out of caution.

7. Use the arrows at the bottom of the preview side bar on the left to scroll through and classify all photos in your survey. Each page displays 100 photos.
8. Click **Mark as Complete** only when you have classified all images. A message will appear alerting you to any photos that may still have detections that need addressing. **Once again, only click I'm all done if you have tagged all photos!** If you accidentally close a survey sooner, email wildtracker@tasland.org.au and we will reopen your ability to tag photos in the survey.

✓ Mark as Complete

All done?

Are you sure? There are still 8 detections that have not been tagged. By clicking confirm you will no longer be able to add or edit any tags in this survey.

Cancel

I'm all done

NON-ANIMAL DETECTIONS

If a bounding box does not contain an animal, click **This is not an animal** (highlighted in red) from the species list in the classifier. A message will appear, asking if you're sure you want to remove the detection. By clicking **Remove**, the bounding box around the object will be deleted, and the photo preview will display a white cross, indicating that the photo is now "empty".

Stickybeak may highlight non-animals, such as rocks, logs, soccer balls, hoses, fence posts or tree guards, as points of interest. **To minimise false positives, try to keep only nature within your cameras field of view.** We find that when there are no animals in a photo, Stickybeak is more likely to highlight other objects.

Unsure U

This is not an animal 

Classification Data 

Your assistance in removing unnecessary bounding boxes will help us better understand the thresholds we need to set such that small animals are detected successfully but not inanimate objects.

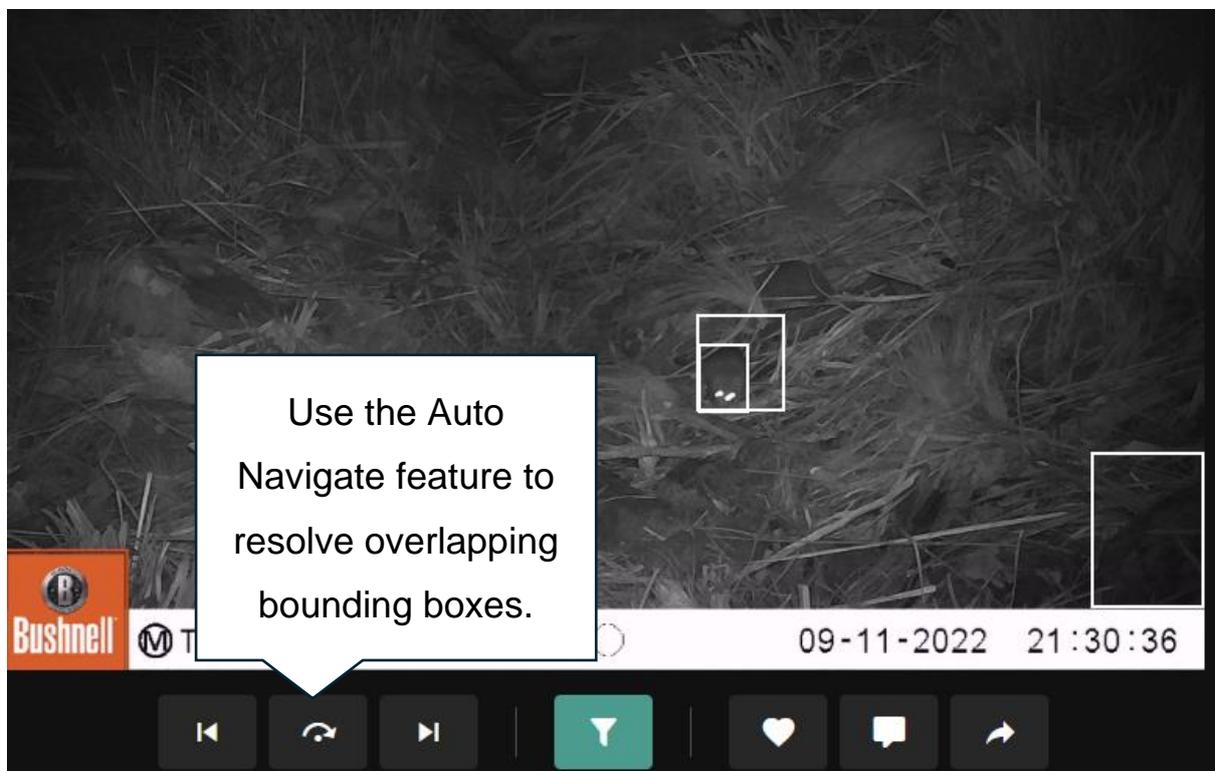
OVERLAPPING BOUNDING BOXES AND THE AUTO NAVIGATE FEATURE



Stickybeak sometimes draws multiple bounding boxes for a single animal or overlapping boxes for different subjects. For example:

- It might outline the tail of a wallaby in one box and its body in another.
- It could correctly identify a wallaby carrying a joey, drawing one box for the parent and another for the young in the pouch.

When bounding boxes overlap, selecting the correct one for tagging can be tricky. This is where the **Auto Navigate** feature comes in handy.



To use Auto Navigate:

1. Click the **Auto Navigate** button in the bottom menu. The button will become highlighted in green.
2. Tag a box by clicking inside it, selecting a species, and finalising the match (e.g., by choosing **Stick with my decision** or **Ask an expert**).
3. The system will automatically highlight the next untagged box and open the species list, avoiding the challenge of manually selecting boxes that are “hidden” beneath others. If the species list appears over the box, blocking your view, simply click outside the list, then click back on the box to reopen the list.

Auto Navigate is also helpful for finding untagged boxes that may be difficult to spot, such as:

- Tiny boxes far in the background or on the horizon.

- Boxes mistakenly drawn around text or symbols from the camera stamp.

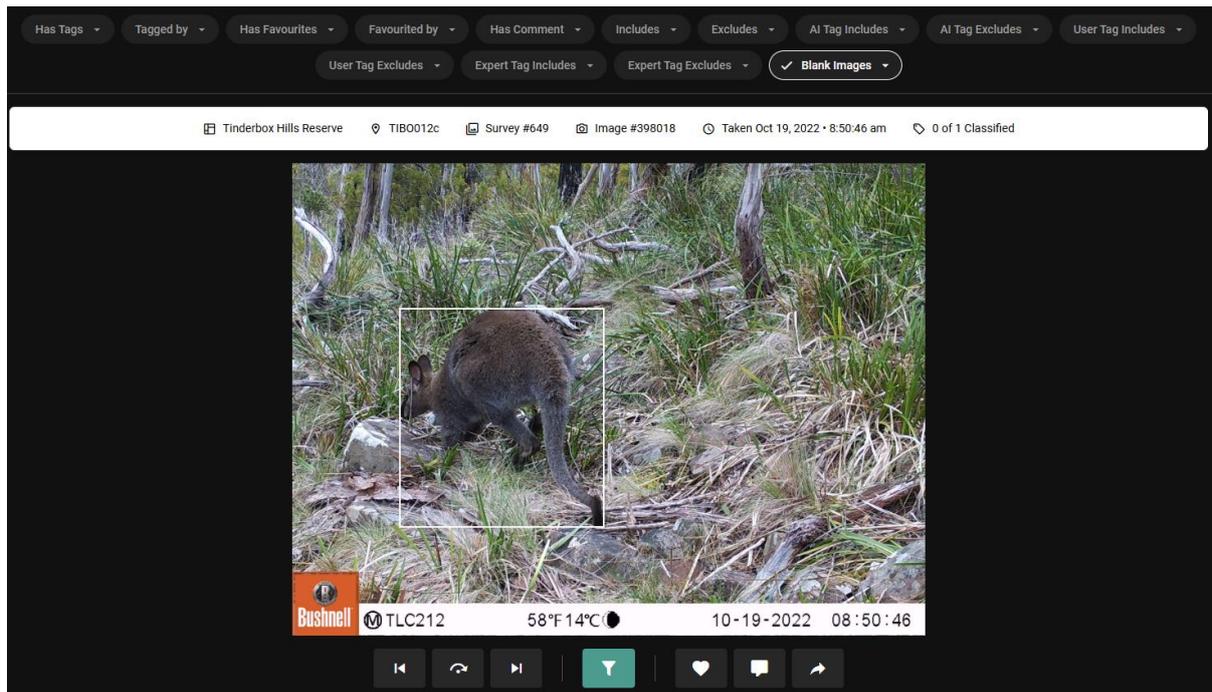
By activating Auto Navigate, the system will locate and highlight these boxes for you. You can turn the feature off at any time by clicking the button again.

Auto Navigate can speed up the tagging process, especially when dealing with large volumes of photos. However, be mindful—it's easy to fall into a repetitive tagging pattern and accidentally assign the same tag to multiple boxes incorrectly. Stay alert to avoid misattributing species.

USING PHOTO FILTERS

In both the *Classifier* window and the *Photos* tab, you can use filter buttons to narrow down the photos displayed. These filters are accessible through drop-down menus:

- In the *Classifier* window, click the **Filter** button to open the filter options. When activated, the button highlights green, and the filter menu appears above the photo.
- In the **Photos** tab, the filters function similarly, allowing you to customise your view.



General filters:

- Has Tags: Yes/No
- Tagged by: Select a username
- Has Favourites: Yes/No
- Favourited by: Select a username
- Has Comment: Yes/No

Species filters: These filters allow you to refine photos by species, using the following criteria:

- *Includes/Excludes:* Shows only photos where the user and Stickybeak agree on a classification, or where tags have been Resolved by an expert.
- *AI Tag Includes/Excludes:* Tags assigned by Stickybeak.
- *User Tag Includes/Excludes:* Tags assigned by users.
- *Expert Tag Includes/Excludes:* Tags resolved by an expert.

Multiple Selections: You can select multiple species or users within each filter.

Combine Filters: Apply multiple filters simultaneously. For example, you can display all photos tagged by you (Tagged by) that also include a wallaby according to Stickybeak (AI Tag Includes).

INVITING A USER

1. Navigate to the *Users* tab.
2. Click **Invite a user**.
3. In the popup box:
 - Enter the email address of the person you want to invite.
 - Choose their permissions:
 - **Assess Surveys:** Allows them to help tag species.
 - **Create Surveys:** Grants access to create surveys linked to your property account.
4. Click **Send invite**. The person will receive an email notifying them of your invitation, with your email address included for reference.

Invite a user

Recruit others to help on your tagging adventures.

 Can Assess Surveys Can Create Surveys

Cancel

 Send invite

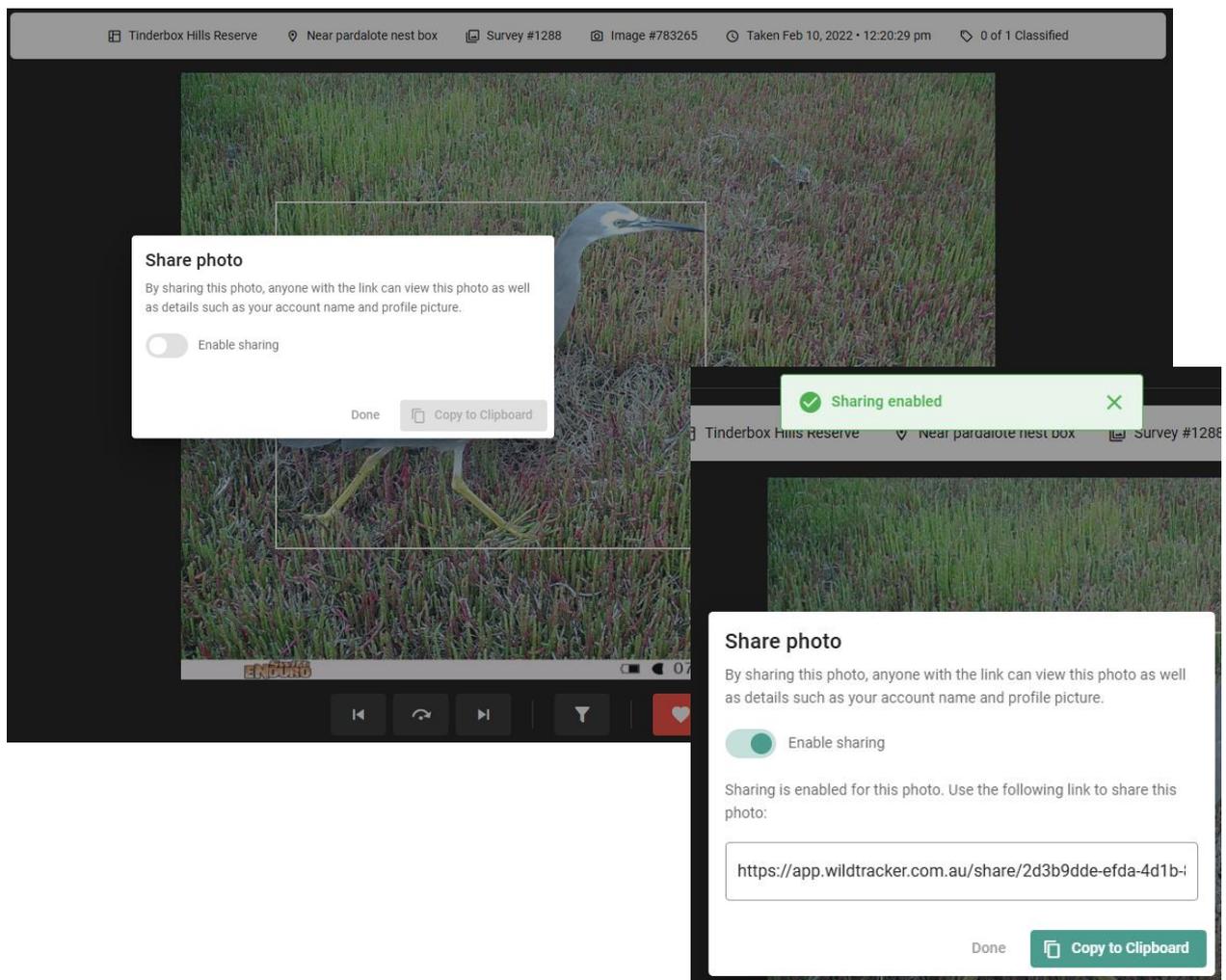
SHARING PHOTOS

To share a photo, you must first mark it as a "Favorite" and set your account to "Public." This does not make all your photos visible to everyone; see Editing your Profile for more information.

When you enable sharing for a photo, you'll receive a URL link that you can send to friends, family, or colleagues. The link will open a page displaying your username, the date and time the photo was taken, and any species tags associated with the photo.

To share a photo:

1. Go to the photo you want to share in the Classifier window.
2. Click the share button.
3. Enable sharing, then click "Copy to Clipboard."
4. Paste the link into an email (or another medium) and send it to anyone you want to share the photo with.



FORGOTTEN PASSWORD

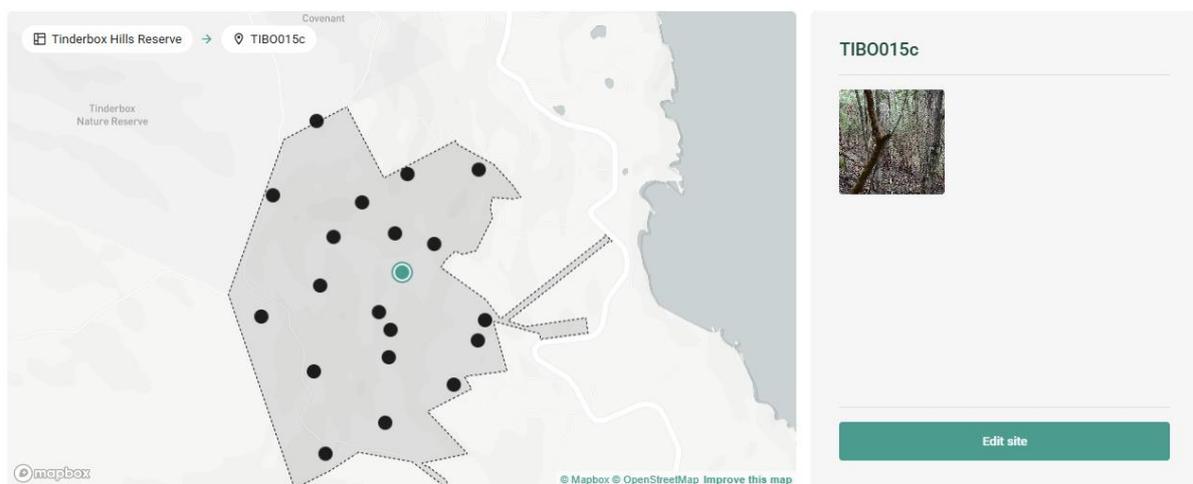
1. Visit <https://app.wildtracker.com.au/forgot-password>.
2. Enter the email address (your username) that you used to register for WildTracker.
3. Click **Next** and an automated email will be sent to your inbox. Be sure to check this email as soon as possible or else the link to reset your password might expire. Check your junk or spam inbox in case the email lands there.

EDITING SITE LOCATIONS & ADDING COVER PHOTOS

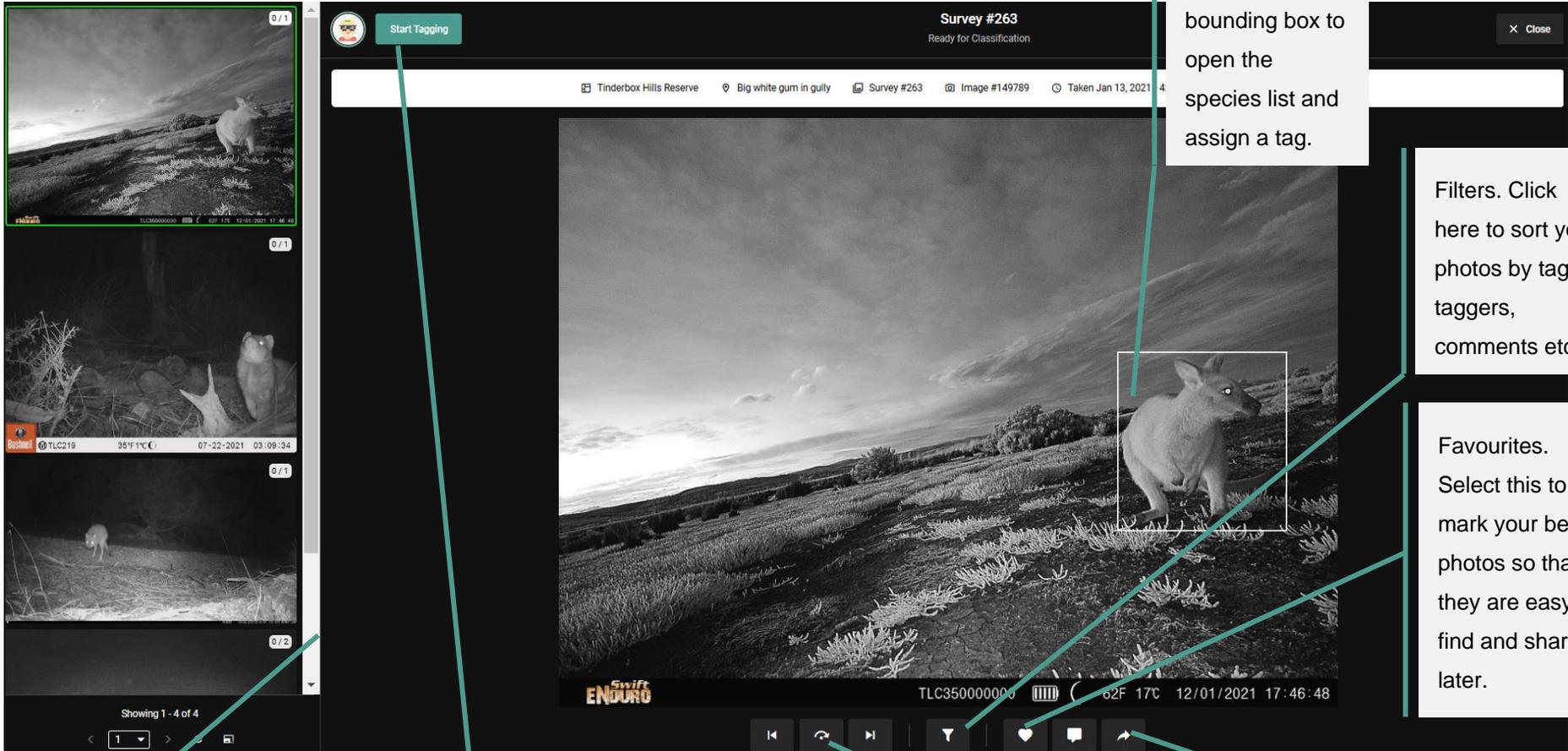
If you've accidentally created a site in the wrong location and need to update the GPS coordinates, or if you would like to attach additional cover photos to one of your survey sites, you can now do so yourself (as of March 2025).

1. From the Overview tab, select a site from the property map. The black dot will change to green and the window on the right will display the site name, any cover photos available, and an **Edit site** button.

Overview



2. Clicking **Edit site** will return you to the **Create a site** page. There you can update the site location as described on page 5. Once you've made your changes, select **Update Site** at the bottom right of the page. The most common reason for editing the site location is if the negative "-" symbol was accidentally left off the latitude, which places the site in the northern hemisphere.
3. On the next page, you can add additional cover photos for the site (e.g., photo points). To upload a photo, either click the **+** button or drag and drop an image file into the box on the right. When you're finished, click **Done**.



Hover over the left sidebar to resize it. Drag to expand or collapse, adjusting the size of the image previews.

You won't be able to begin classifying your photos until you have clicked the Start Tagging button. Only the user who clicks this button will then have access to classify photos within the survey.

Auto Navigate. Enable this feature to automatically move to the next detection that needs attention. It's also useful for selecting boxes that might be "hidden" beneath overlapping ones. Alternatively, use the arrows to either side to jump through photos.

Share. Select this button to be given a URL link that you can send to others so that they can view your photo.

Click within the bounding box to open the species list and assign a tag.

Filters. Click here to sort your photos by tags, taggers, comments etc.

Favourites. Select this to mark your best photos so that they are easy to find and share later.