

Reporting

Reporting is critical for accountability to trappers, funders, councils etc. It's also really interesting. Find out more about the many easy reporting options here.

<https://rappt.io/reports>

- [Project reporting](#)
- [Creating a static hex project map](#)
- [Camera trap recording and reporting including AI](#)
- [Understanding the bait-taken calculations](#)

Project reporting

This is helpful for externally funded projects that are required to provide evidence of results achieved by the project.

The reports are broken into sections, Trap reports, Bait station reports, and Monitoring reports

Links to these reports can be found under the **reports** heading on your project page and can be generated using a variety of filters to show the data wanted.

The most commonly used are:

[Trap records with map](#) View/Download trap records. Optionally filter by date, species caught, etc

Heatmaps are available via the layer switcher (top right of the map)

Line: gully, ridge, track

From / to: Start date: 28 Jun 2022, End date: 28 Jul 2022

Species: None, Unspecified, Other, Bird, Canadian geese, Cat, Deer, Dog, Ferret

Trap type: A12, A24, AT220, BT 200, Belsie, Blitz, Cage Trap, Chimney, Coni

Initial bait: Dried fruit, Ferret bedding, Fish, Fresh Possum, Fresh Rabbit, Fresh fruit, Fresh meat, Golf ball

Status: Initial set, Removed for Repair, Sprung, Trap Replaced, Soil set, bait OK, Soil set, bait missing, Soil set, bait bad, Trap gone, Trap interfered with

Tags: [Search]

Trap sub type: [Dropdown]

Records per page: 20 [Apply] [Reset]

Map showing trap records with a heatmap overlay.

[Multi-project trap records](#) Report traps across multiple projects

Project Type: rural

Project: Demo Project, Waihoanga demo, Waihoanga koha, demo, test demo, test demo

From / to: Start date: 28 Jun 2022, End date: 28 Jul 2022

Line: gully, ridge

Species: None, Unspecified, Other, Bird, Canadian geese, Cat, Deer, Dog, Ferret

Trap type: A12, A24, AT220, BT 200, Belsie, Blitz, Cage Trap, Chimney, Coni

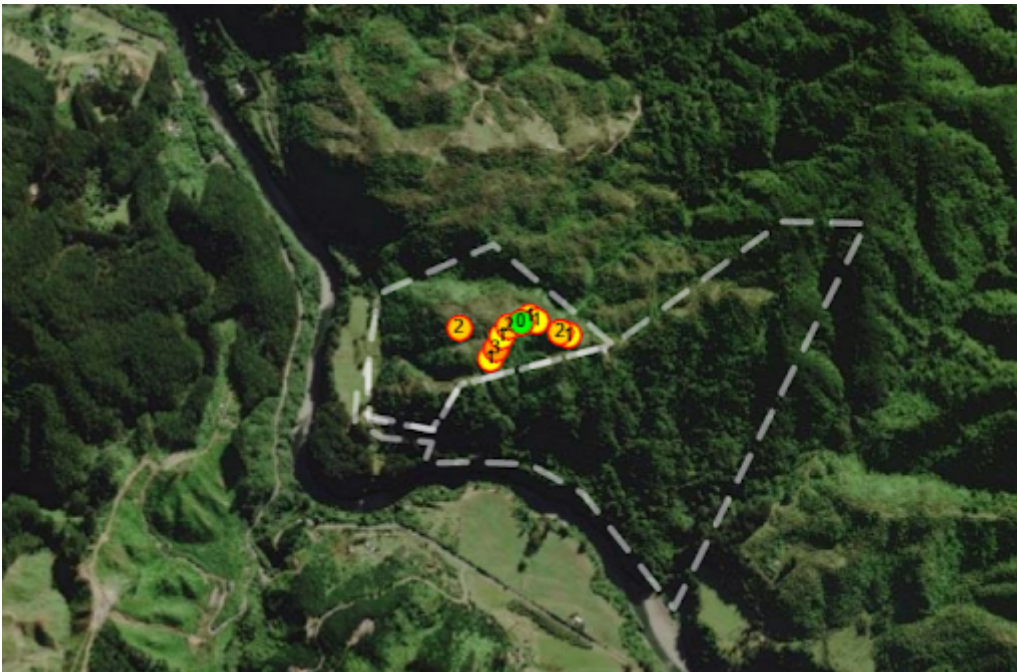
Initial bait: Carrot, Cereal, Cheese, Chocolate, Dehydrated Rabbit, Dried fruit, Ferret bedding, Fish

Items per page: 20 [Apply] [Reset]

Select any filter and click on Apply to see results

Project	Line	Code	Trap type	Date	Status	Recorded by	Initial bait	Rebaited	Bait type	Strikes	Species caught	Maturity	Trap condition	Note
Waihoanga demo	ridge	T009	AT220	22 Jul 2022 - 08:59	Sprung	Lenore Winterburn	None	No	None	1	Stoat	Adult	Needs maintenance	
Waihoanga demo	ridge	tr12	Timms	20 Jul 2022 - 08:27	Still set, bait bad	Lenore Winterburn	Cheese	Yes	Dehydrated Rabbit	0	None	Adult	OK	
Waihoanga demo	ridge	tr11	Timms	20 Jul 2022 - 08:26	Sprung	Lenore Winterburn	Cheese	Yes	Dehydrated Rabbit	1	Rat	Adult	OK	
Waihoanga demo	ridge	R002 / R002 supplementary	DOC 200	20 Jul 2022 - 08:25	Still set, bait bad	Lenore Winterburn	Dehydrated Rabbit	Yes	None	0	None	Adult	OK	

Or [Multi-project trap records \(with map\)](#) This shows a difference between projects in a visual way. Allowing the users to see what each project is achieving.



Traps last checked

This shows the date the installations were last serviced. This helps ensure they do not fall outside of their default maintenance period.

Line traps last checked

The report shows the date each line was last checked. It takes the date from the most recent record across all the traps in each line. Use the [Trap date last checked](#) to see the date individual trap were checked.

Line	Date last checked	Traps
gully	2022-07-04 12:00	4
ridge	2022-07-22 08:59	8
track	2021-12-19 00:00	8

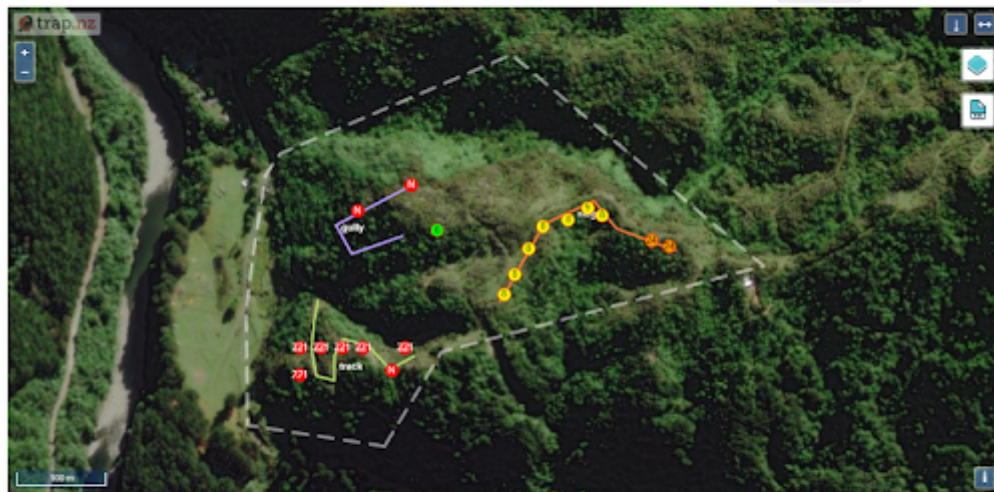
Trap date last checked with map

Trap date last checked

Map shows the number of days since trap was last checked. "N" for never.

Line: Trap type: Trap sub type: Retired: Start Date: End Date: Tags:

Items per page:



Code	Trap type	Line	Tags	Last checked	Days ago
double trap	DOC 200	gully		Never checked	
T010	AT220	gully		Never checked	
tr027	DOC 200	track		Never checked	
T009	AT220	ridge		22 Jul 2022 - 08:59	6
tr12	Timma	ridge		20 Jul 2022 - 08:27	8
tr11	Timma	ridge		20 Jul 2022 - 08:26	8
R002	DOC 200	ridge	test	20 Jul 2022 - 08:25	8
R003	DOC 200	ridge	test	20 Jul 2022 - 08:25	8
R004	Unconifer	ridge	test	20 Jul 2022 - 08:24	8

Multi-project Line date last checked



Line date last checked

The report shows the date each line was last checked. It takes the date from the most recent record across all the traps in each line. Use the [Trap date last checked](#) to see the date individual trap were checked.

Project Type: Project:

Project:

Project	Trap line	Date
Demo Project	Park traps	2022-06-16 08:44
Demo Project	W. Scientific Lh	2022-05-23 12:48
Demo Project	Central circuit	2022-06-14 13:26
Demo Project	Northern circuit	2022-06-16 09:17
Demo Project	[no line]	2022-06-03 11:01
Waihoanga demo	ridge	2022-07-22 08:59
Waihoanga demo	gully	2022-07-04 12:00
Waihoanga demo	track	2021-12-19 00:00

Corrected catch rate The corrected trap catch rate is expressed as the catches per 100 trap nights. Trap nights are the number of nights the trap is set for over the period selected. However, when a trap is sprung the trap is assumed to be available for only half the nights from the previous trap record date

Corrected catch rate

Corrected trap catch rate is expressed as the catches per 100 trap nights. Trap nights is the number of nights the trap is set for over the period selected. However, when a trap is sprung the trap is assumed to be available for only half the nights from the previous trap record date.

Trap ID

Line

gully
ridge
track

Date

Start date

19 Apr 2022

End date

28 Jul 2022

Species caught

None
Unspecified
Other
Bird
Canadian geese
Cat
Deer
Dog
Ferret

Apply

Reset

Code	Line	Trap Nights	Catch strikes	Catches per 100 nights
Total:		172	18	10.47
R 005	ridge	21	2	9.52
R001	ridge	20.5	3	14.63
R002	ridge	48.5	3	6.19
R003	ridge	33	2	6.06
R004	ridge	33	2	6.06
T009	ridge	14	2	14.29
Tr11	ridge	1	1	100.00
Tr12	ridge	1	0	0.00
Tdb1 001	gully	0	1	
Tdb1002	gully	0	2	

Needing to know the amount of **hours taken to service the project**? Select tracks when in the App and record your tracks after which you access the projects page on the website, select **Reports - Project reports**

Select a displayed **track** the time spent checking the installations will show here

2022-07-29

View

Edit

Start: Friday, July 29, 2022 - 10:55

End: Friday, July 29, 2022 - 10:55

Line: ridge

Project record type: Track

Trap Condition Shows traps across projects that have a condition set e.g. needs maintenance- now includes trap gone

Trap condition

Project

Demo Project
Predator Free Whiriwhiri
WJ4N Otaraua Park
Waihoanga koha
braddicks
demo 1
demo 2
demonstration project

Project Type

predator free franklin
north west waikato
rural

Line

Ridge line
gorge road
gully
track
tree line
trial line

Trap type

A12
A24
AT220
BT 200
BT 250
Belisle
Blitz
Cage Trap
Chimney

Status

Initial set
Removed for Repair
Sprung
Trap Replaced
Still set, bait OK
Still set, bait missing
Still set, bait bad
Trap gone
Trap interfered with

Trap condition

OK
Needs maintenance
Repaired
Regassed
Relured
Battery charge
Disabled

Apply

Reset

Project	Code	Trap line	Date installed	Trap type	Record date	Trap condition	Status
demo 1	Mai003	Ridge line	2022-08-26	DOC 200	2023-01-10	OK	Trap gone
demo 1	R001 (retired)	Ridge line	2022-06-16	DOC 200	2023-01-10	Needs maintenance	Trap gone

This can also be downloaded as a csv file

Creating a static hex project map

The static project hex map is useful for projects to show an audience your project/projects catches in an interactive way

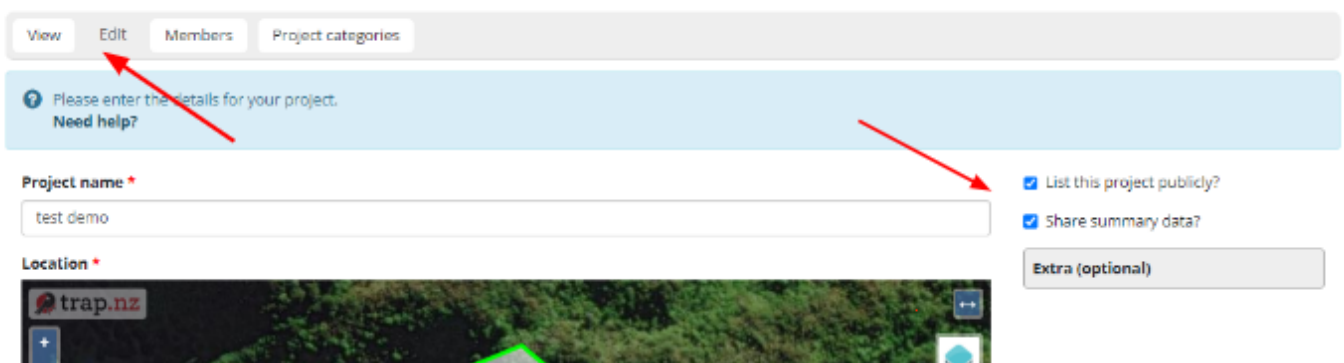
The hex map is great for embedding into project websites (i.e. [wordpress custom html](#)) via an html embed tag:

```
<embed src="https://rappt.io/static/hexmap/?birds&projects=[]" style="width: 100vw; height: 700px" />
```

How do I get my own Hex Map?

The hex map only displays publicly listed projects. ensure your project has the **List this project publicly** and **Share summary** data checkboxes ticked (you can find these information in the projects Edit page.)

Edit Trap Project test demo



Use the URL in the format below. Add your project ID number(s) to the brackets, if multiple projects, comma separate the numbers.

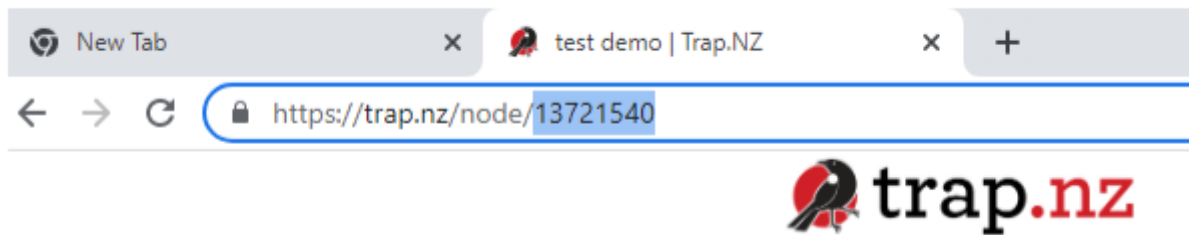
[https://trap.nz/static/hexmap/?projects=\[\]](https://trap.nz/static/hexmap/?projects=[])

eg: [https://rappt.io/static/hexmap/?projects=\[109200,380101,967870,420471,173214,183460\]](https://rappt.io/static/hexmap/?projects=[109200,380101,967870,420471,173214,183460])

And if you are wanting to display bird counts

[https://rappt.io/static/hexmap/?projects=\[109200,380101,967870,420471,173214,183460\]&birds](https://rappt.io/static/hexmap/?projects=[109200,380101,967870,420471,173214,183460]&birds)

To find your project ID(s), navigate to the project home page where you will find the ID in the URL, eg:



How do I see the results?

Copy and past the URL into a browser to test the results. It should looks something like this:



You can filter the catches and traps to reflect the catch you are wanting to display



Catches



All



Rat



Cat



Possum



Ferret



Stoat



Weasel



Traps

Camera trap recording and reporting including AI

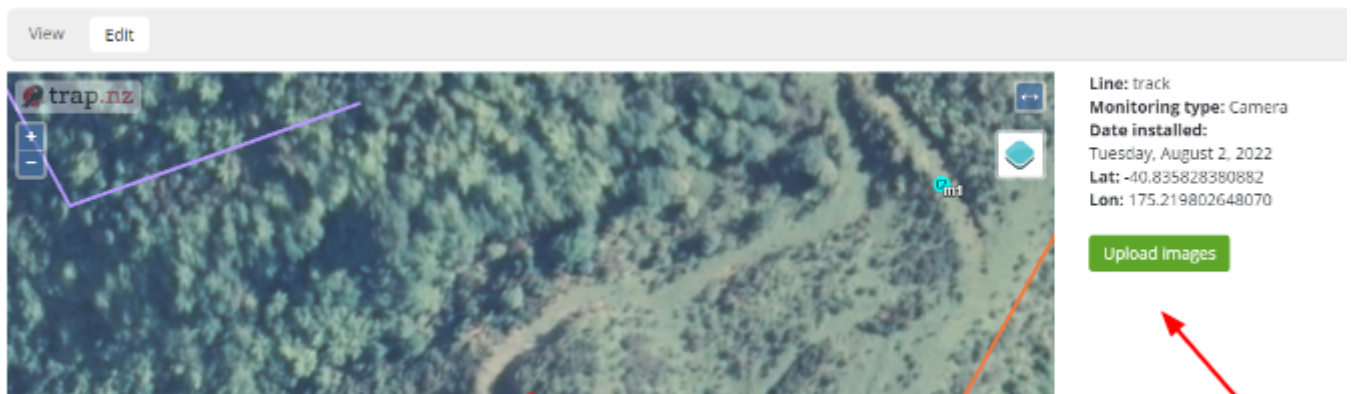
Projects using motion-triggered cameras ('camera traps') can use the Rappt.IO's camera trap functions to load and tag images, optionally using image recognition software (AI, artificial intelligence) for assist in detecting species.

In order to load and tag images, you will need to create a [monitoring station](#) with a type "Camera" for each of your camera traps. A Camera station will have a button to allow the uploading of images.

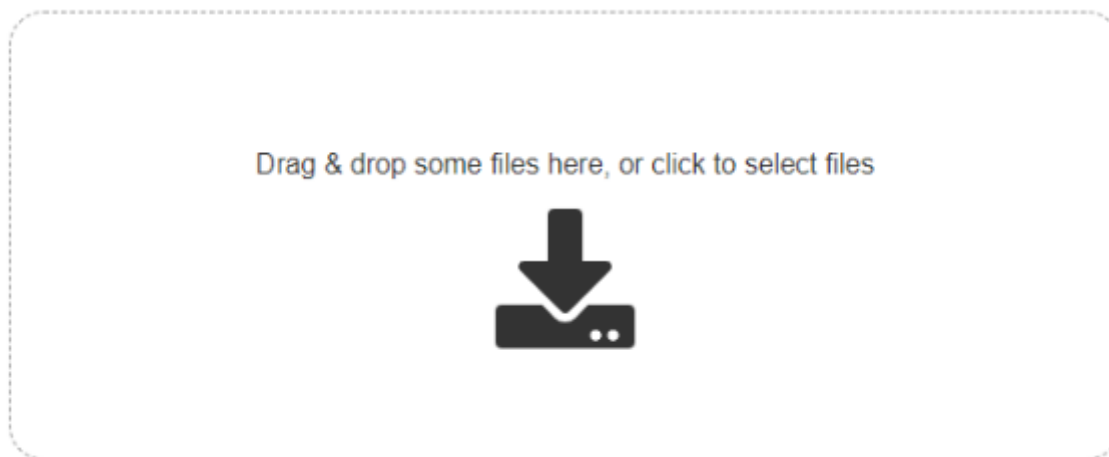
The new AI identification option allows members to upload and tag captured images to your Rappt.IO project easily.

1. Select the camera on your Rappt.IO project you are wanting to add images to.
2. Open the installation and select **upload images**

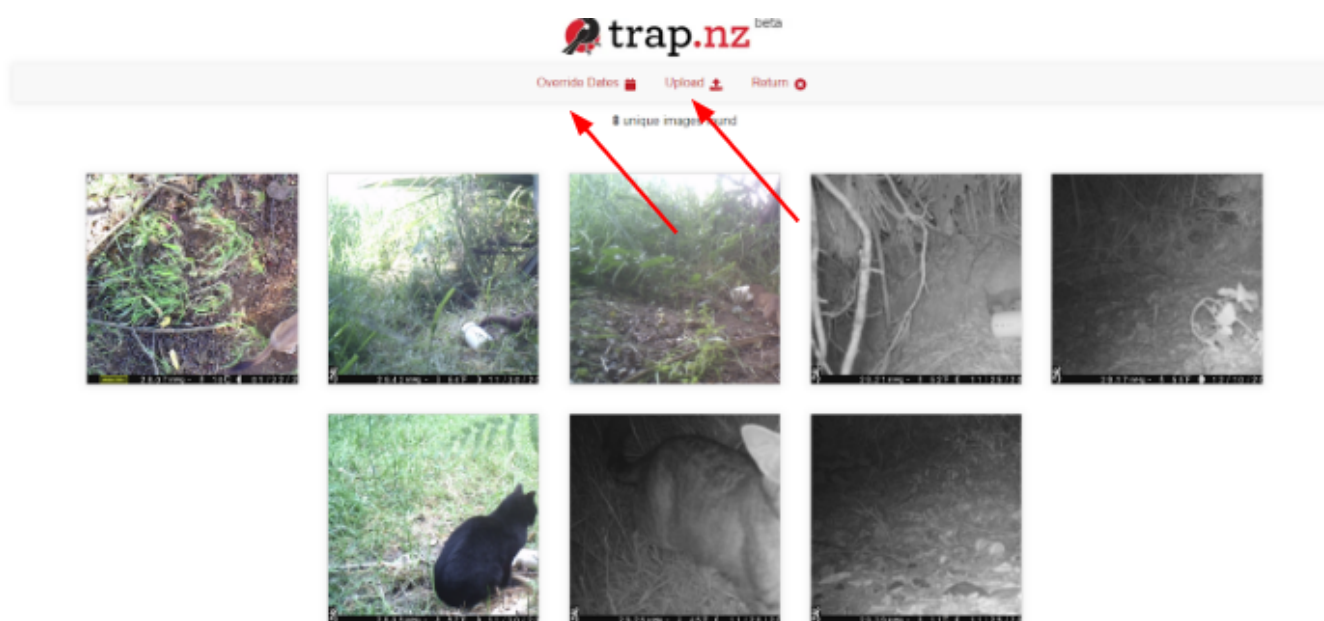
mon004



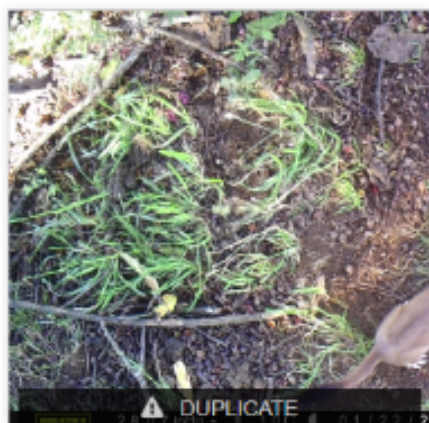
3. You will be prompted to drag and drop your files into the Rappt.IO page



4. Your images will display ready for uploading. If the date/time shown is incorrect you can alter these settings here



Note: the programme will detect any duplicate images ensuring you don't accidentally load them twice



5. The images have all loaded successfully when the 100% appears in the bottom left corner



6. You can now choose to match with the AI and select return, be patient as this can take some time depending on the quantity being processed



Match with AI  Return 

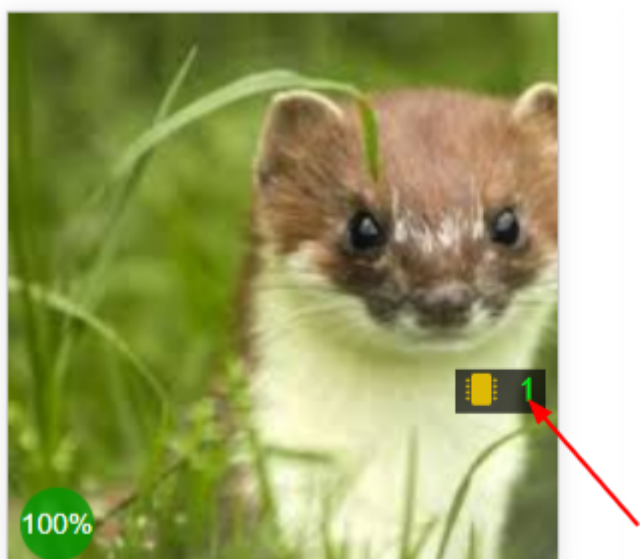
Your images are being processed by our AI!

Feel welcome to close this page, your image records on Trap.nz will be updated automatically when the results are in!

This process may take a long time

6. If you choose to match it with the Artificial intelligence software, the chip icon appears when it has matched.









You can exit the page while it is being processed without fear of losing your records or having to start again.



7. You will be redirected to the camera installation page, the records are displayed under the map, and you can now tag/ review species in the image set.

Camera images

Tag species in this image set

Date	Reviewed	Species detected	Images
19 Sep 2022 - 11:15	No	Cat	 edit delete
19 Sep 2022 - 11:15	No	Cat	 edit delete
19 Sep 2022 - 11:15	No	Cat	 edit delete
19 Sep 2022 - 11:15	No	Stoat	 edit delete
19 Sep 2022 - 11:15	No	Stoat	 edit delete
19 Sep 2022 - 11:15	No	Stoat	 edit delete
19 Sep 2022 - 11:15	No	Ferret	 edit delete
19 Sep 2022 - 11:15	No	Hedgehog	 edit delete

8. You can either use the mouse or the keyboard arrow keys to navigate the images. This allows you to easily edit the results

Sometimes the AI gets it right



September 19, 2022 11:15 AM


Hedgehog x

☐ Reviewed

29.21 InHg - 52 F 11/25/2016 03:35AM CAMERA63

7 of 12

Sometimes the AI gets it wrong, you can edit the details by selecting the correct species



September 19, 2022 1

Bird x

☐ Reviewed

4 of 7


9. To run reports from the Camera images, select the monitoring tab, manage records, [manage camera images](#), and select the filters you would like to use

Current project: **Waihoanga demo** Lines Traps Bait stations Monitoring Points of Interest Reports


End date

Operations

Tag species in this image set

<input type="checkbox"/> Camera	Date ▼	Reviewed	Confidence	Species detected	
<input type="checkbox"/> mon cam	19 Sep 2022 - 12:00	No	100%	Stoat	 <input type="button" value="edit"/> <input type="button" value="delete"/>

Reports can be exported using csv found at the bottom of the report page

<input type="checkbox"/> mon004	19 Sep 2022 - 10:45	Yes	89%	Cat	 <input type="button" value="edit"/> <input type="button" value="delete"/>
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For video help click the you tube link here https://www.youtube.com/watch?v=anBWH_9UY_s

Understanding the bait-taken calculations

The bait-taken calculations can be a bit confusing to begin with, however, once you understand them it makes calculating the quantity of bait used within your project much easier.

When entering records in the field, the bait taken is automatically calculated by Rappt.IO based on the figures you have supplied.

There are some key points to know are :

- * Bait taken is calculated from bait remaining on the current record minus the calculated bait remaining from the previous record with the additions and subtractions
- * Records with the same date and time are invalid and will make calculations unreliable
- * Bait-taken calculations are updated every few minutes, so may take some time to recalculate after changes are made

When working out the bait taken added you start at the bottom of the table and work up, In the case below

Bait station record date	Active ingredient	Formulation	Bait remaining	Removed	Added	Bait taken	Images
2023-01-24 12:49	Brodifacoum	Block	0.085Kg	0.085Kg	0.200Kg	0.115Kg	edit delete
2023-01-20 14:05	Brodifacoum	Block	0.050Kg	0.050Kg	0.200Kg	0.150Kg	edit delete
2022-11-03 13:47	Brodifacoum	Block	0.050Kg	0.050Kg	0.200Kg	0.150Kg	edit delete
2022-11-01 15:07	Brodifacoum	Block	0.066Kg	0.066Kg	0.200Kg	0.134Kg	edit delete
2022-11-01 15:05	Brodifacoum	Block	0.000Kg	0.000Kg	0.200Kg	0.000Kg	edit delete

1. On 01/11/22 the bait station had 0.200kg (1) added

Bait station record date	Active ingredient	Formulation	Bait remaining	Removed	Added	Bait taken
2022-11-01 15:05	Brodifacoum	Block	0.000Kg	0.000Kg	0.200Kg	0.000Kg

2. On the next visit (working up the table) 0.134kg had been taken (2), leaving 0.066kg remaining (3). The remaining old bait (0.066kg) (4) was removed and fresh bait supplied 0.200kg (5)
[0.200 - 0.134 = 0.066] {0.066 - 0.066 = 0.000} [0.000 + 0.200 = 0.200]

Bait station record date	Active ingredient	Formulation	Bait remaining	Removed	Added	Bait taken
			3	4	5	2
2022-11-01 15:07	Brodifacoum	Block	0.066Kg	0.066Kg	0.200Kg	0.134Kg

3. The following visit 0.150kg had been taken (6) leaving 0.050kg (7), the 0.050kg was removed (8) and another 0.200kg was added of fresh bait (9)

$$[0.200 - 0.150 = 0.050] \{0.050 - 0.050 = 0.000\} [0.000 + 0.200 = 0.200]$$

Bait station record date	Active ingredient	Formulation	Bait remaining	Removed	Added	Bait taken
			7	8	9	6
2022-11-03 13:47	Brodifacoum	Block	0.050Kg	0.050Kg	0.200Kg	0.150Kg

4. On the next visit, 20/01/23 the same quantity was taken as the previous visit so the calculations are the same as above

Bait station record date	Active ingredient	Formulation	Bait remaining	Removed	Added	Bait taken
2023-01-20 14:05	Brodifacoum	Block	0.050Kg	0.050Kg	0.200Kg	0.150Kg

5. On the final visit showing 24/01/23, 0.115kg had been taken (10) leaving 0.085kg(11) remaining, the 0.085kg (12) was removed and 0.200kg (13) of fresh bait added

$$[0.200 - 0.115 = 0.085] \{0.085 - 0.085 = 0.000\} [0.000 + 0.200 = 0.200]$$

Bait station record date	Active ingredient	Formulation	Bait remaining	Removed	Added	Bait taken
			11	12	13	10
2023-01-24 12:49	Brodifacoum	Block	0.085Kg	0.085Kg	0.200Kg	0.115Kg