

Restoration of Oceanic Rainforest

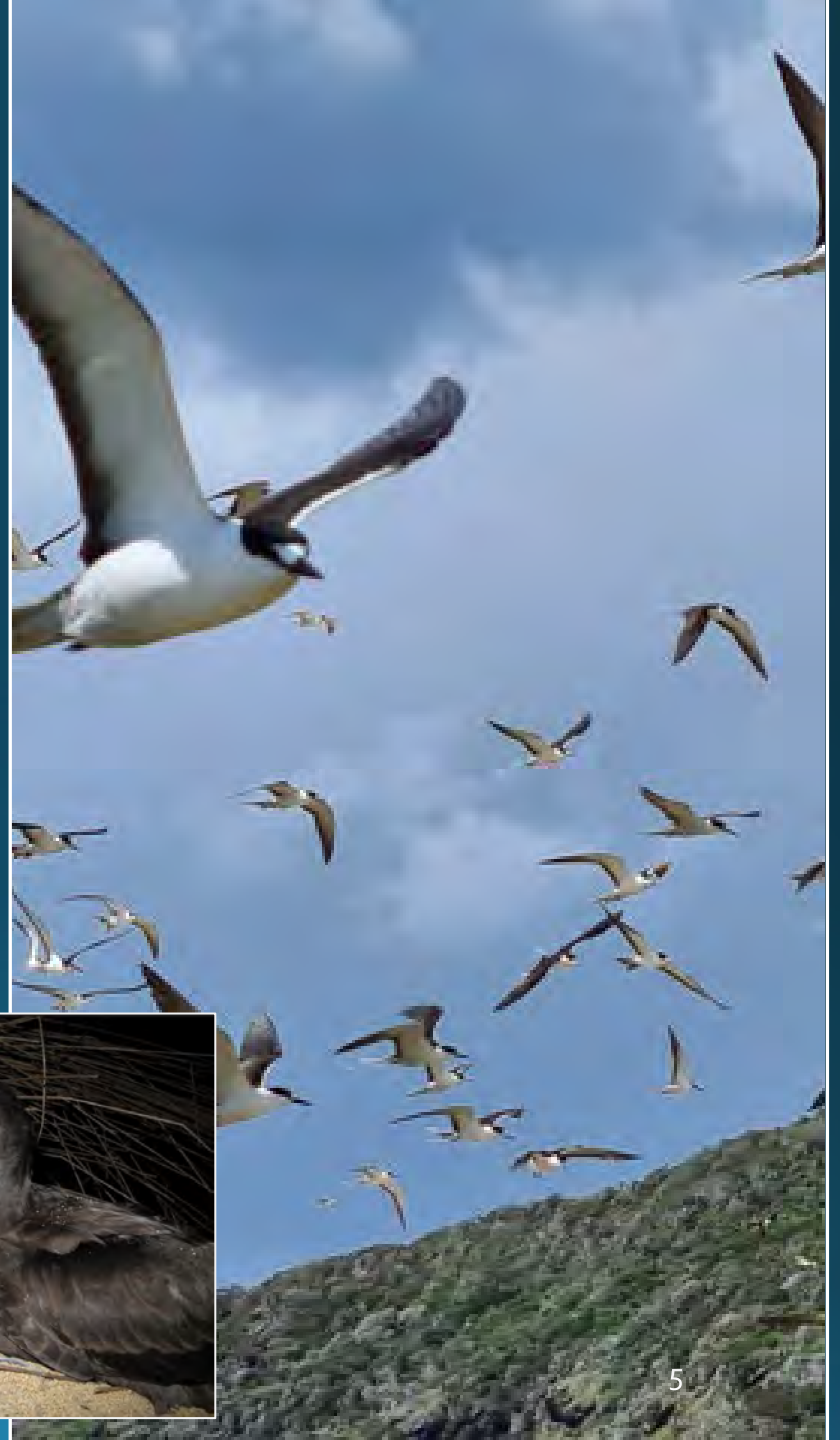
Lord Howe Island











Lord Howe Island Booby



- **1788 - Discovered**
- **1838 – First Settled**
- **1855 - LHI become a colony of NSW**
- **1913 – Lord Howe Island Board**



LORD HOWE ISLAND
BIODIVERSITY MANAGEMENT PLAN

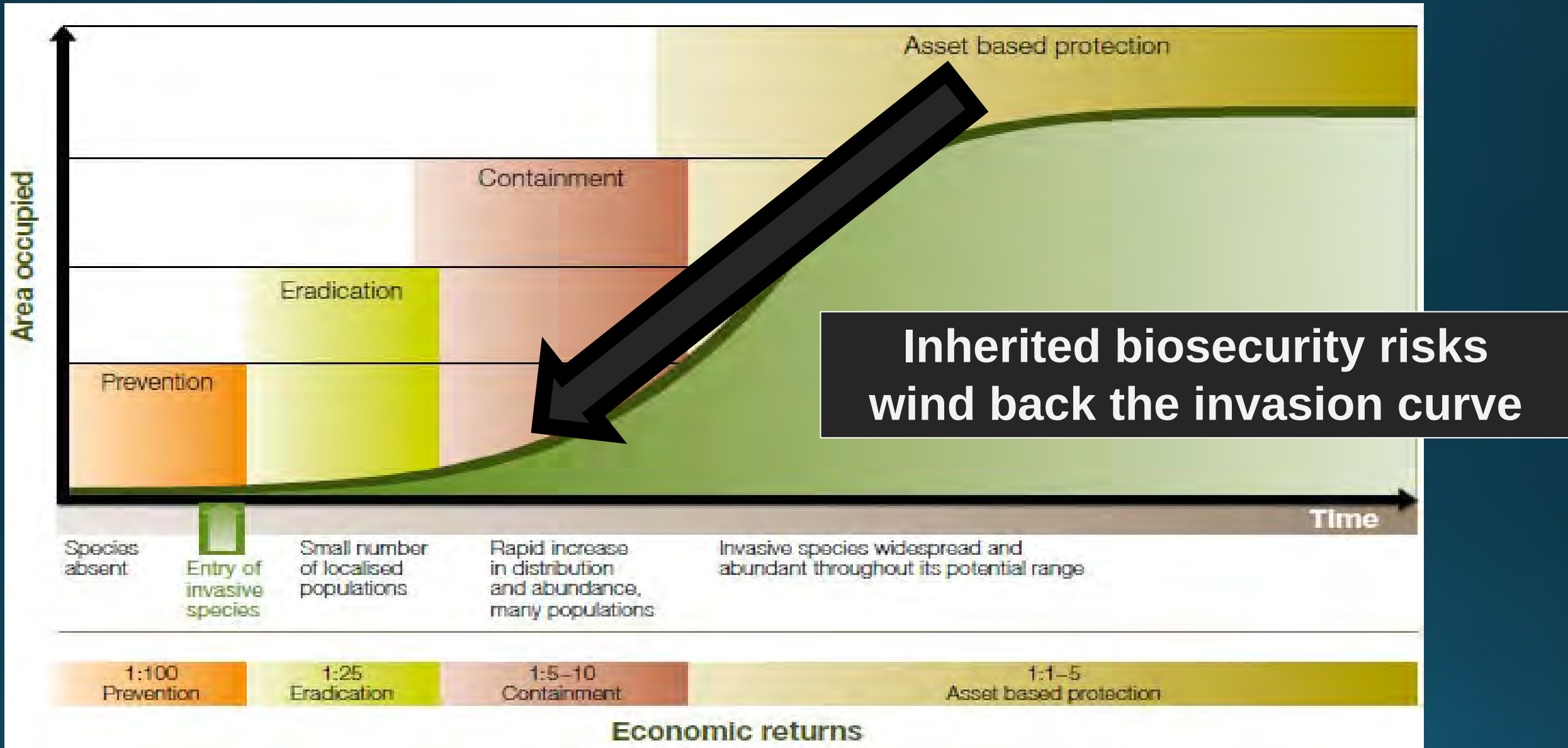


LHI Biodiversity Management Plan

Multispecies Recovery & Action Plan







Eradication Programs

- Pig 1979
- Cat 1981
- Goat – commenced 1999 - completed 2019
- Myrtle Rust – 2016 & 2023 - ongoing
- House Mouse 2021 - Black Rat – 2023
- Masked Owl – none detected since 2021
- African Big-headed Ant – one infestation remaining
- Weeds (15 species eradicated / zero density – target 70 +)
- Biosecurity improvements



Myrtle Rust - ALERT

An outbreak of Myrtle Rust has been detected on Lord Howe Island. It is an exotic plant pathogen - rust fungus disease.



If you see it...report it immediately

It **only** effects plants from the MYRTACEAE plant family – eucalypts, melaleuca, mountain rose etc. **All of Lord Howe Islands endemic MYRTACEAE plants are susceptible. This is serious. It has caused the decline and death of MYRTACEAE plants on the mainland.**

It is confirmed on 3 properties in the Settlement. It has infected Rose Apple – *Syzygium jambos* & Bottle Bush – *Callistemon*.

WHAT CAN YOU DO?

- **DO NOT touch infected plants** - this will spread the





Five endemic Myrtaceae
Keystone species...

Weeds & Natives

239 - native plant species

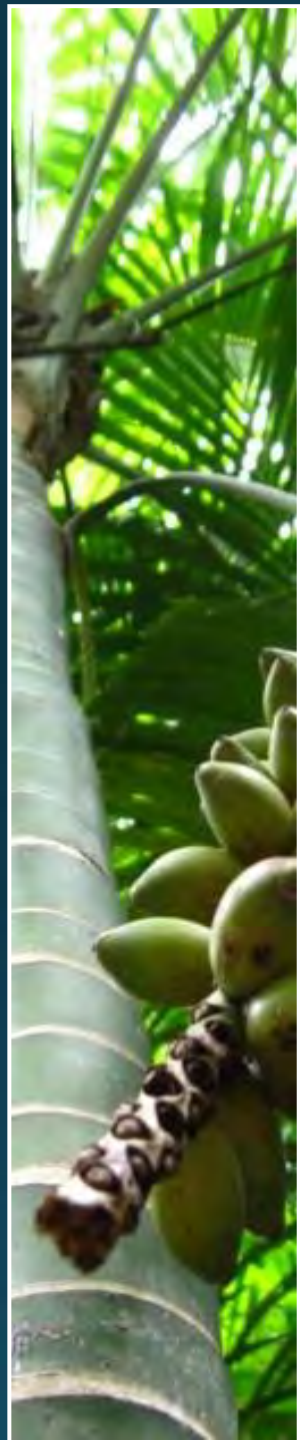
113 – endemics

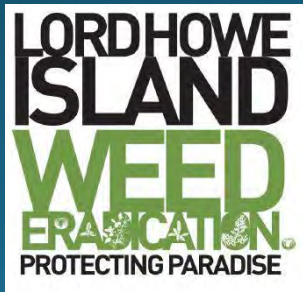
800 - introduced plants

280 - invasive capacity

**Ramped up from 25 to 70
eradication target species**

Alert to new emerging

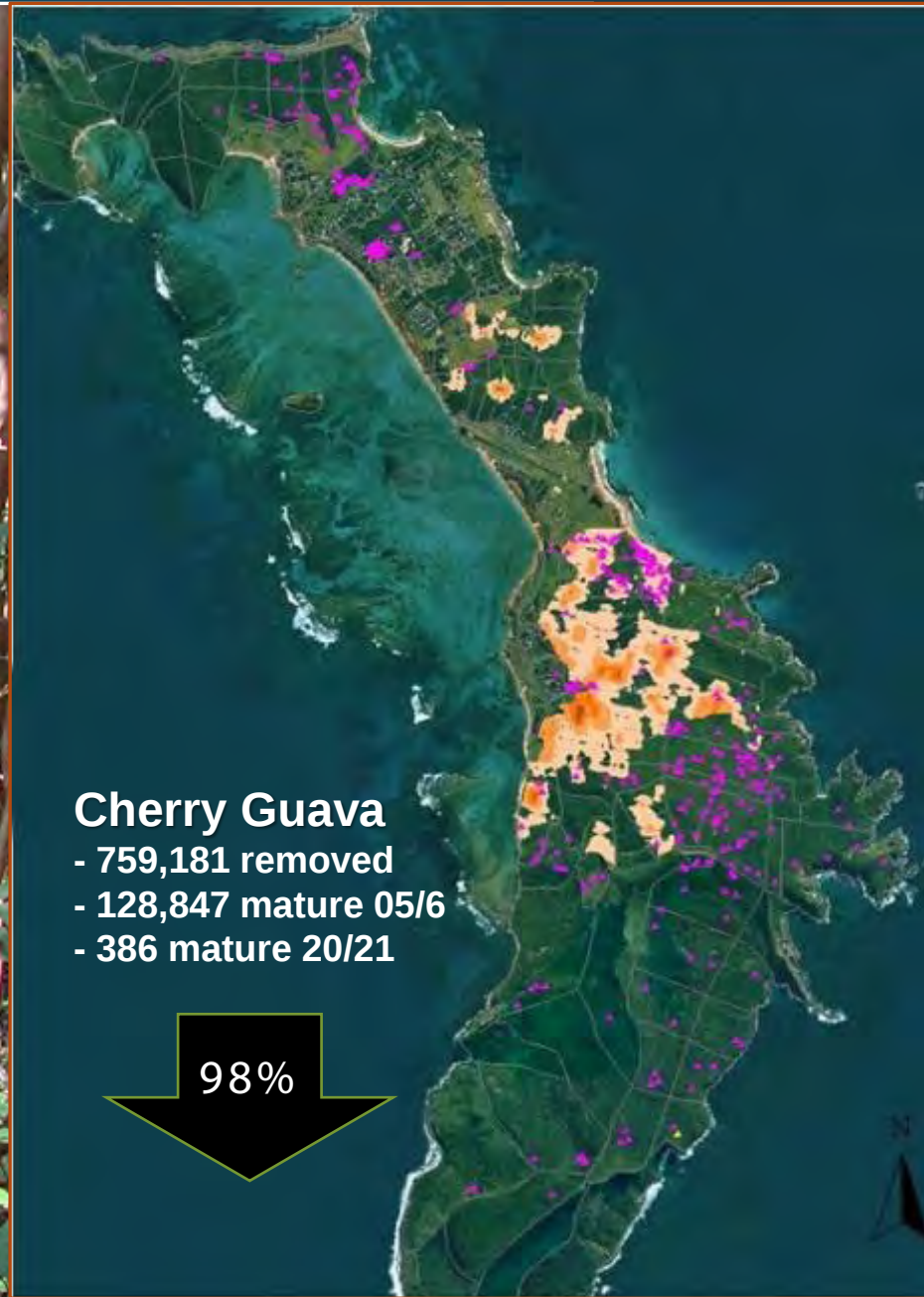




Ground Asparagus – Top Dog Weed

- 820,588 removed total
- 23,711 mature 05/6
- 386 mature 20/21

98%





Climbing Asparagus
- 71,484 removed total
- 4,767 mature 05/6
- 35 mature 20/21

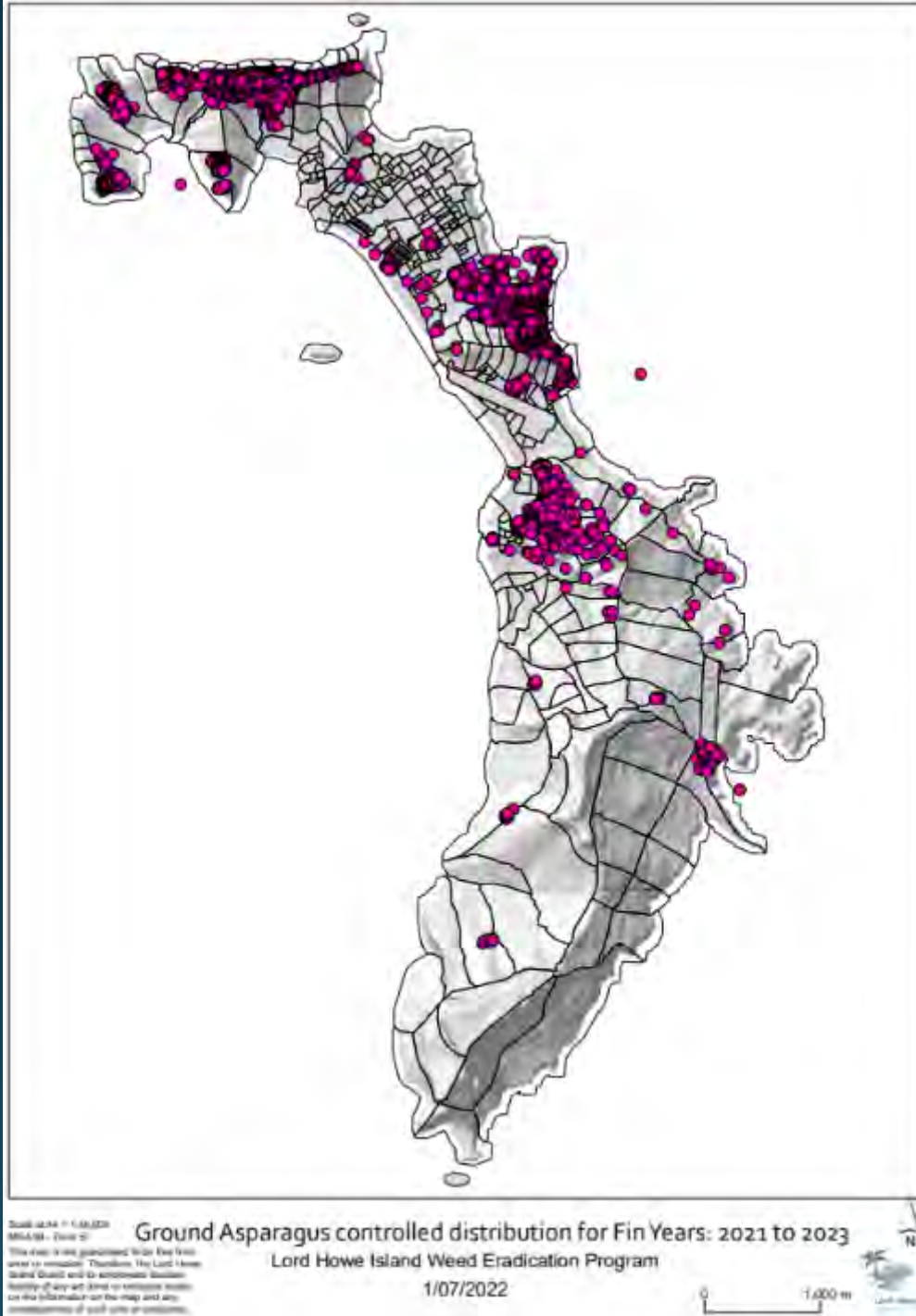
98%













Preparing for a Rodent Free Ecology



Get onto it early – Ramp it UP





© Rob Embury

LORD HOWE ISLAND RODENT ERADICATION PROJECT





4:17:36 AM M 1/3



6:11:21 PM M 2/3



6:11:35 PM M 1/3

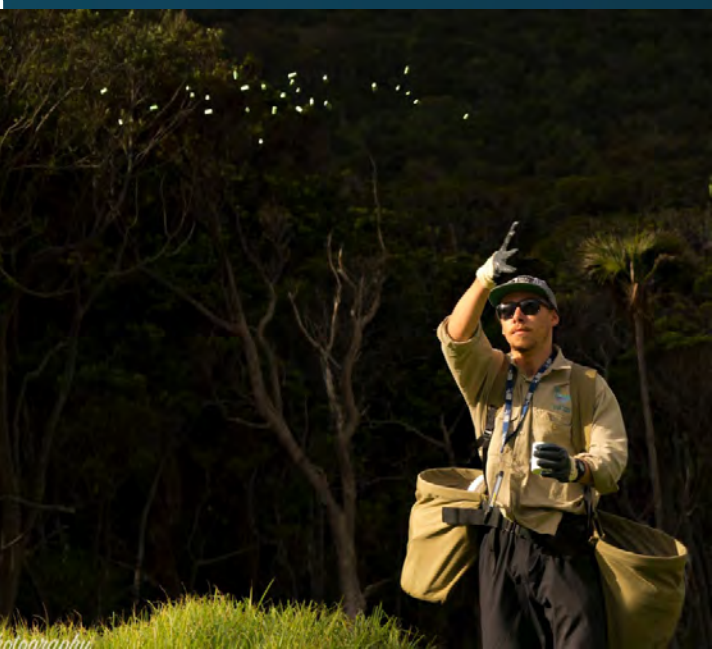
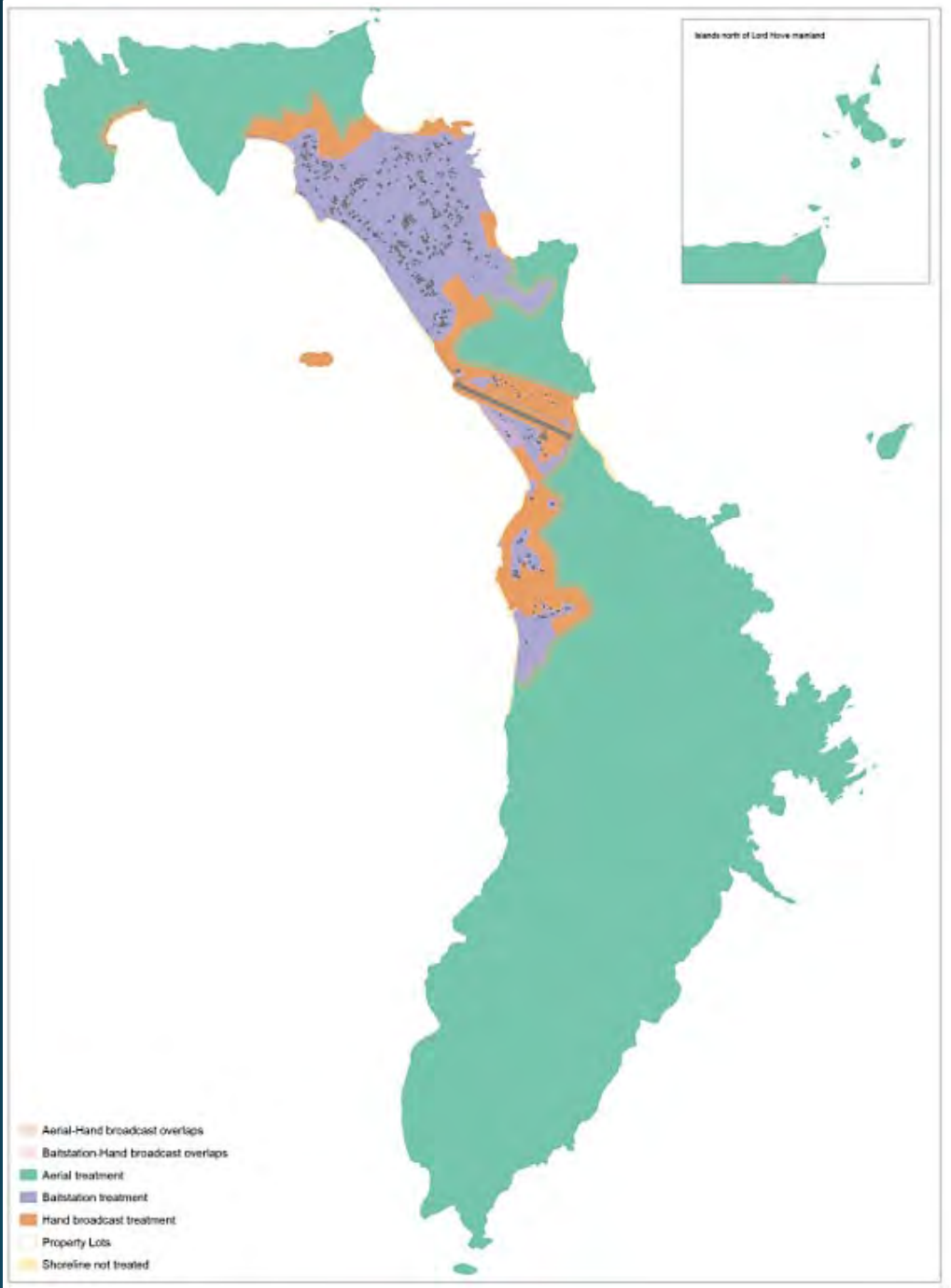


6:11:40 PM M 3/3

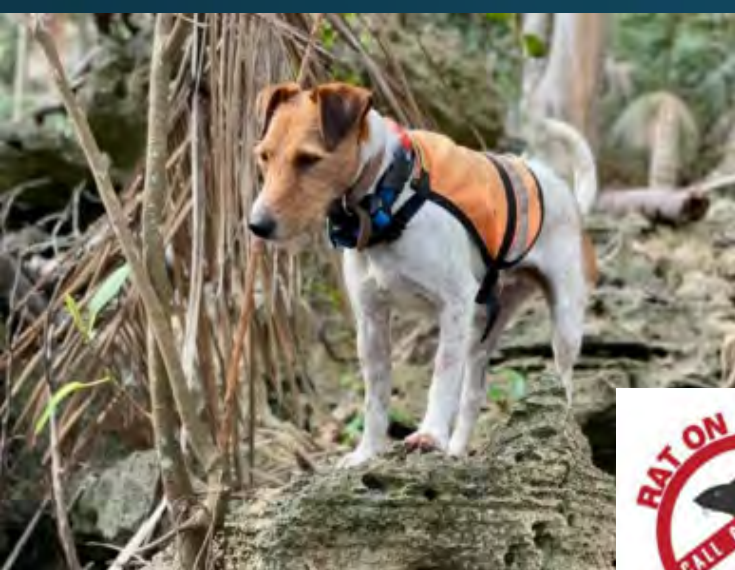


Captive Management – Taronga Zoo Woodhen & LHI Currawong Trial conducted in 2013









Help us achieve a successful incursion response by reporting any rodent sign or sightings to our **Biosecurity Team on 6563 2066.**

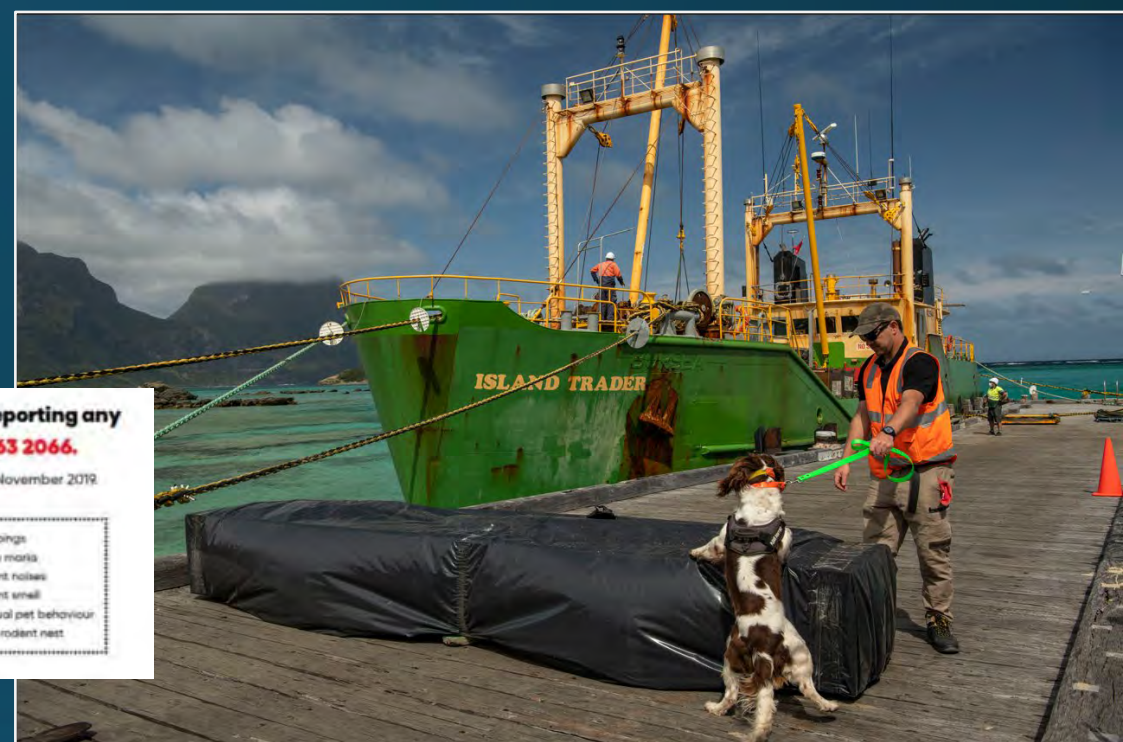
The Lord Howe Island Rodent Eradication Project active phase took place May–November 2019.

IF YOU SEE A RODENT

- Type (Rat/Mouse)
- Colour
- Location
- Size
- Behaviour
- Direction it was heading

IF YOU SEE RODENT SIGN

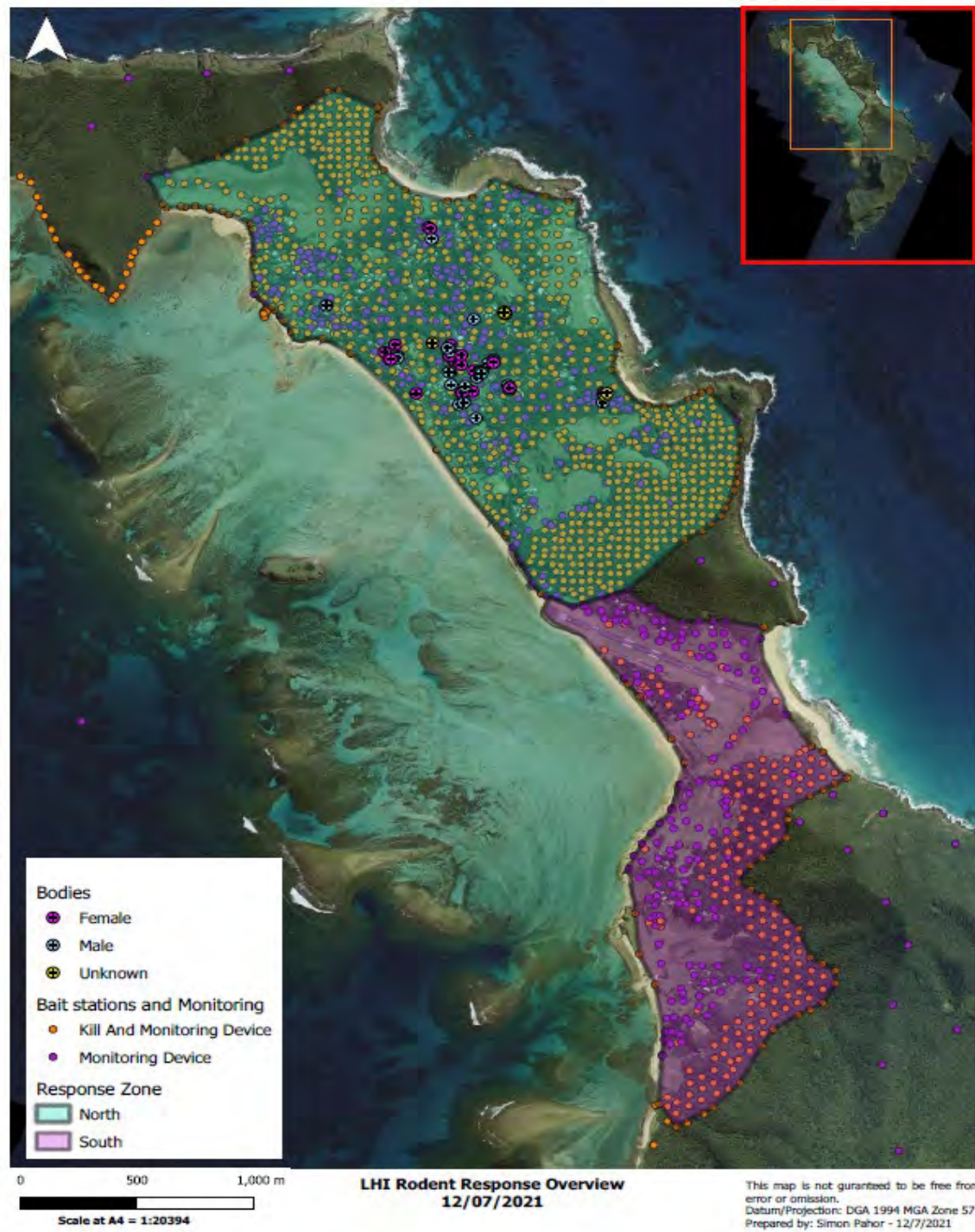
- Droppings
- Gnaw marks
- Rodent noises
- Rodent smell
- Unusual pet behaviour
- Fresh rodent nest



No rodent sign for 567 days

Then.....

Rodent Response





Ecological Renaissance

“Never Seen That Before”





© Jack C Shick



Forked Tree – *Pandanus forsteriana*
[Endemic]

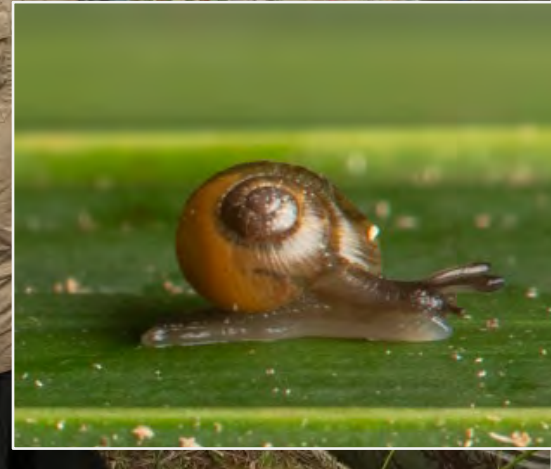


Little Mt Palm



Little Mt Palm – *Hedyscepe canterburyana*
[Endemic – Critically Endangered]

Invertebrates







Weed Release



**Known
New & Emerging**

The Future

- Biosecurity
- Weeds & other pests
- Reintroductions

Lord Howe Island

LORD HOWE ISLAND
**RODENT
ERADICATION
PROJECT**



LORD HOWE
**ISLAND
WEED
ERADICATION**
PROTECTING PARADISE



United Nations
Educational, Scientific and
Cultural Organization



Lord Howe Island Group
inscribed on the World
Heritage List in 1982

