Our Iconic Local Endangered

Brush-tailed Rock-wallaby
Threatened Species Day - September 7





Threatened Species Day is celebrated annually across Australia on September 7 to raise awareness of plants and animals at risk of extinction and to highlight the amazing work that is being done to save them.

The day commemorates the death of the last Tasmanian Tiger (Thylacine) at Hobart Zoo in 1936.

It is a day when we turn the spotlight on our unique native species and ecosystems that are under threat and reflect on how we can protect them into the future.

The Friends of the Brushtailed Rock-wallaby Inc. has been actively protecting a local iconic endangered species since 1995.

For a small cost you can help:

Become a Friends Member, symbolically Adopt a Kangaroo Valley Rock-wallaby or purchase merchandise.

The Friends needs your help to secure the future of these beautiful, agile little creatures.

We also need assistance on the committee and through tax-deductible donations.

Rockwallaby.org.au



Our extinction crisis is caused by habitat loss, degradation & fragmentation AND predation by introduced foxes & cats



Am I a Brush-tailed Rock-wallaby?

Nup! I'm a cute but common Swamp wallaby

Am I a Brush-tailed Rock-wallaby?



Nup! I'm a Wallaroo



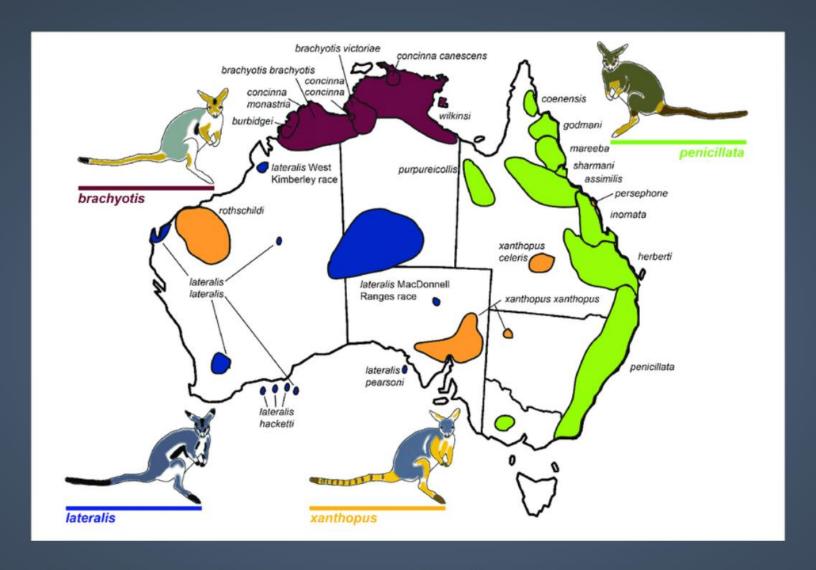
Nup! I'm a Tree kangaroo



I'm a Brush-tailed Rock-wallaby



We are too!



Map of Rock-wallaby taxa distributions across Australia



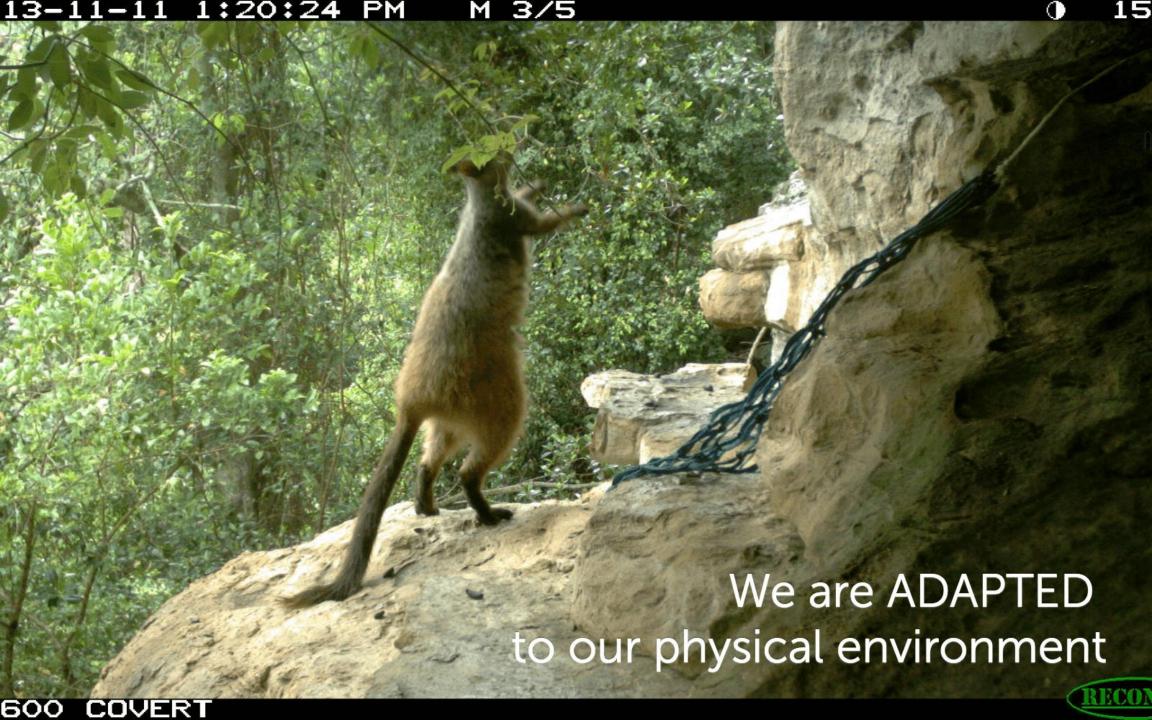
My HABITAT - see ... I can climb trees too!



We live in complex rocky outcrops and escarpment with crevices and vegetation

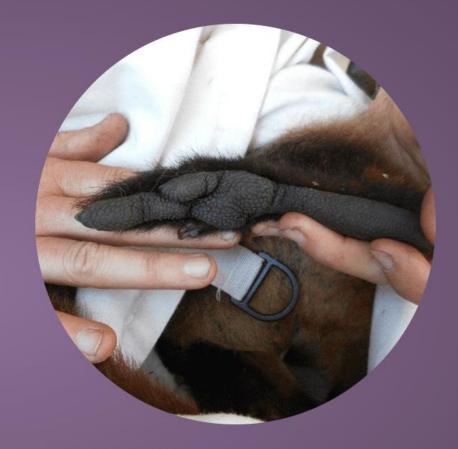


Why do you think we prefer a north-facing aspect?





Strong arms for climbing
Strong tail for balance & steering



Flexible feet with super grip



We are camouflaged too!

We live in family groups called Colonies where females have stable, overlapping territories and breed with the dominant male

Mature males fight for dominance and traditionally facilitated genetic exchange through breeding with neighbouring colonies



Now that you know me ... what's THE ISSUE?

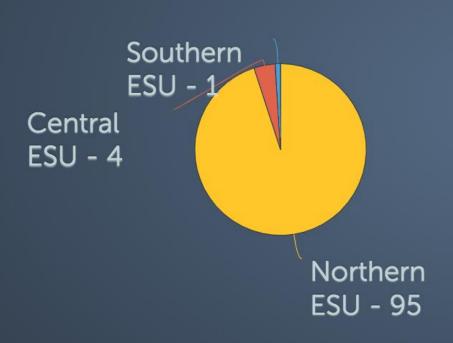
POPULATION and RANGE dangerously DECLINING

- especially in the south and west extent

3 Evolutionary Sustainable Units (ESU)

- 1. Northern ESU = NSW/QLD border 95% of BTRW population
- Central ESU = Hunter Valley / Warrumbungles / Shoalhaven
 Endangered
- Southern ESU = <50 in captivivity & East Gippsland
 Critically Endangered (unsustainable?)

Estimated ABUNDANCE of BTRW Evolutionary Sustainable Units



The Central ESU is managed under the *Iconic* stream of the NSW Government's SoS 'Saving our Species' program

10 sites receive SoS funding

The *Friends* community group supplements the cost of the Kangaroo Valley program

Why is BTRW threatened with extinction? THE IMPACTS:

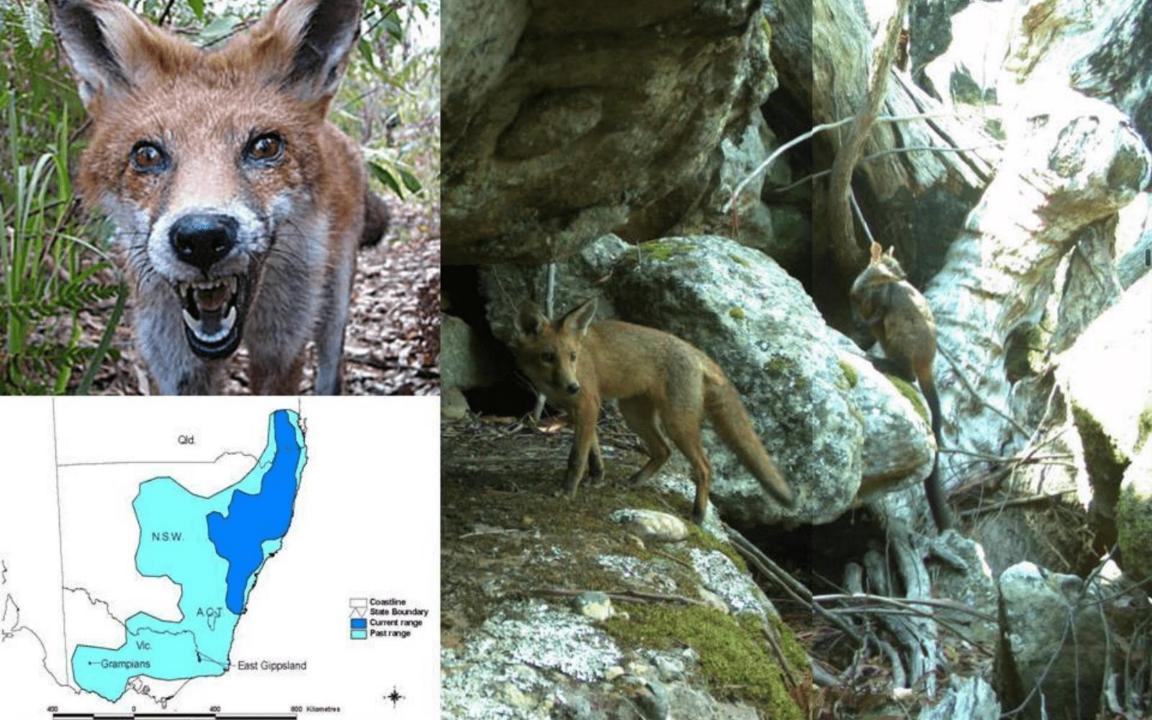
PAST HUNTING by humans for fur and sport

PREDATION OF EMERGING JOEYS BY FOXES

Small, geographically isolated populations = GENETIC DECLINE

Habitat loss & fragmentation, weed invasion, climate change, fire, competition by feral goats, disease, predation by dogs & cats









BTRW Recovery Program & Threat Abatement STRATEGIES:

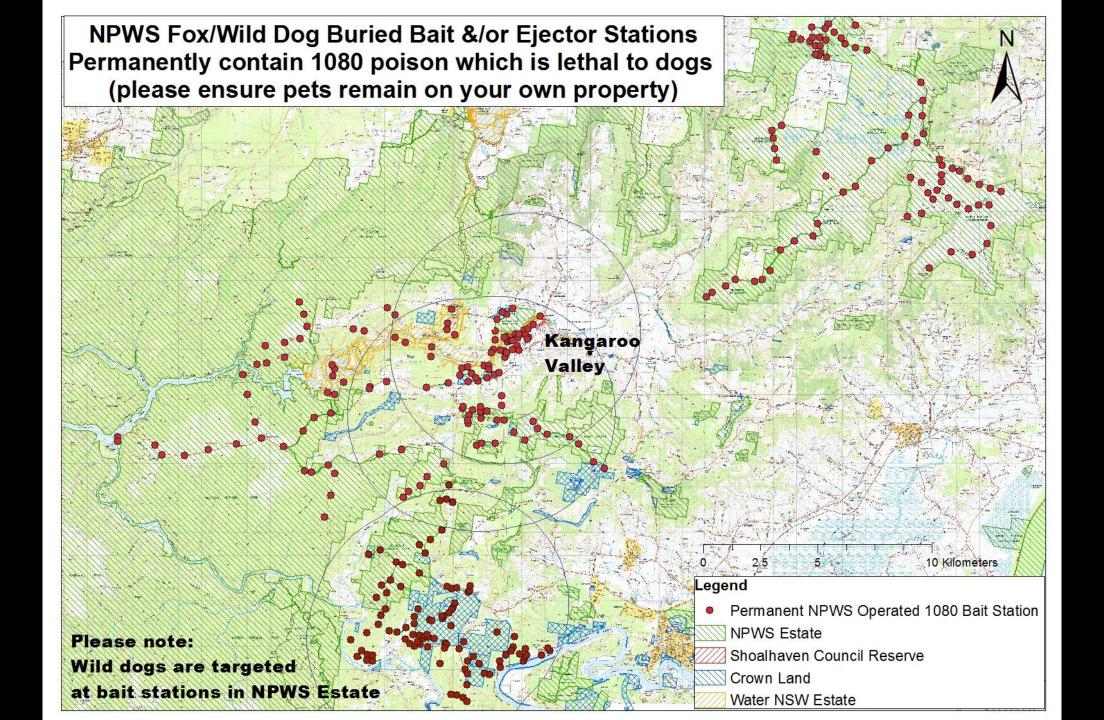
Broad scale, cross-tenure, integrated PREDATOR CONTROL FOX & WILD DOG 1080 BAITING, SHOOTING & TRAPPING

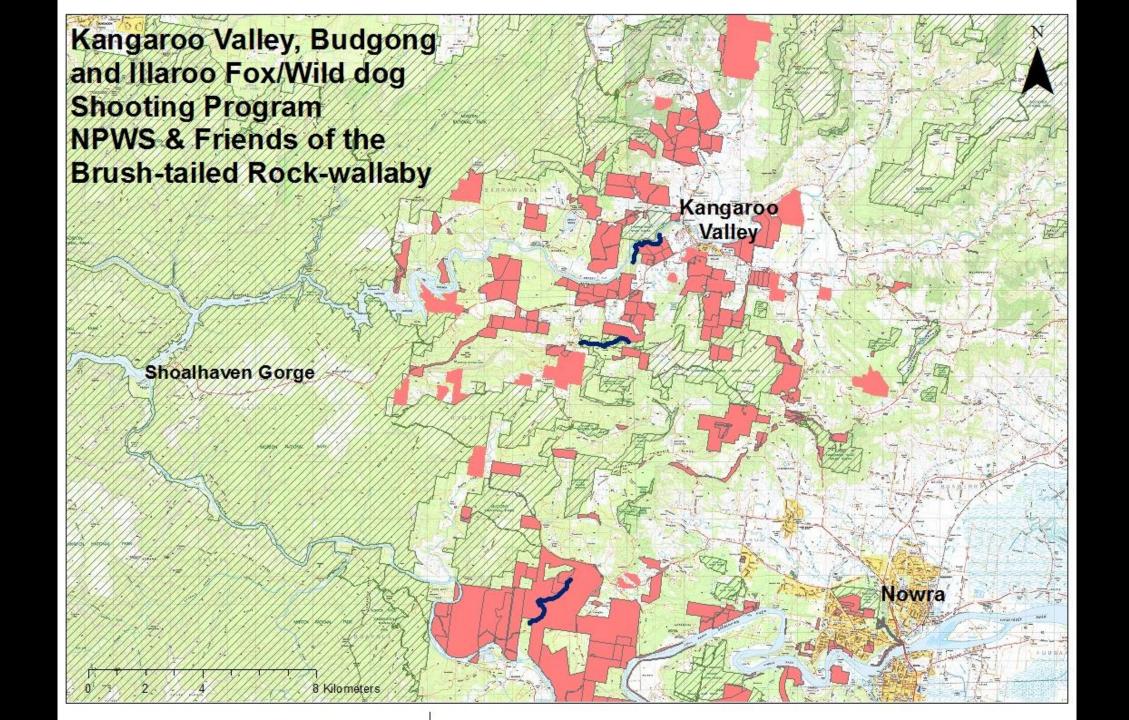
Monitoring of BTRW and introduced predators in & around colonies

Release of captive bred and wild BTRW into SoS priority sites to help restore some genetic diversity and build self-sustaining populations

Community engagement and school education programs

Managing weeds, fire, goats and cats





EFFECTIVENESS of threat abatement?



How do we accurately measure the relative abundance of BTRW and their predators?



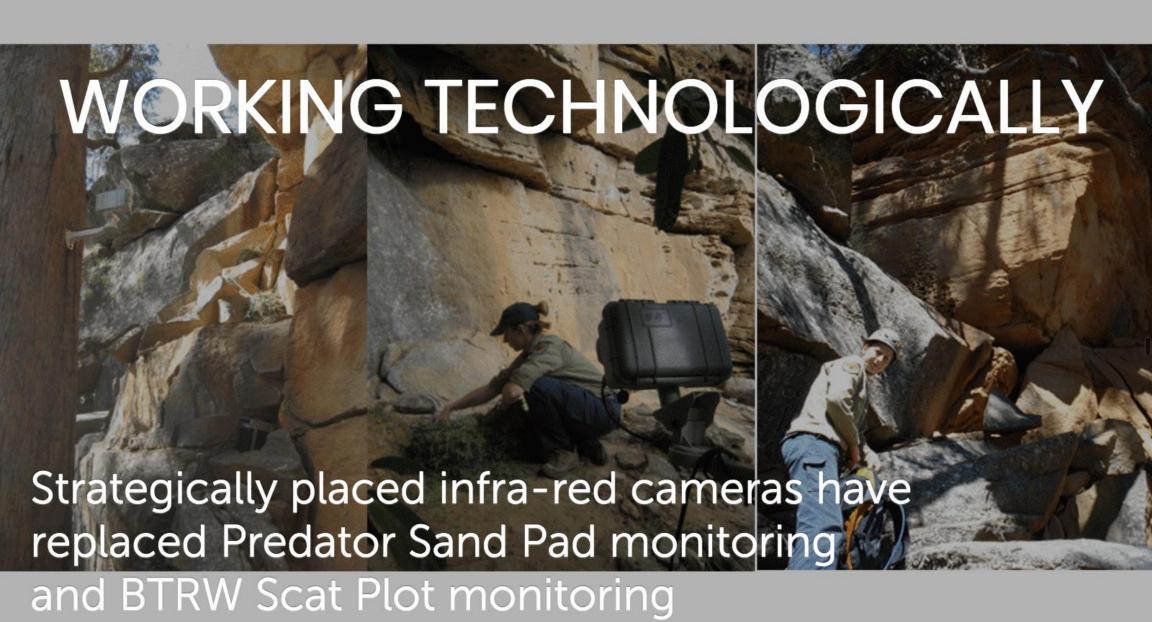
What are our questions? What are our predictions?



What raw data can we collect? What is our monitoring methodology?



What can scats teach us?



INDIVIDUAL BTRW









SMALL POPULATIONS are at great risk from inbreeding, drought, fire & fluctuations in sex-ratios

PREDATOR PIT

It only takes one fox to kill the few joeys produced each year in small colonies

Landholders near BTRW colonies assist with predator camera monitoring to allow timely targeted response



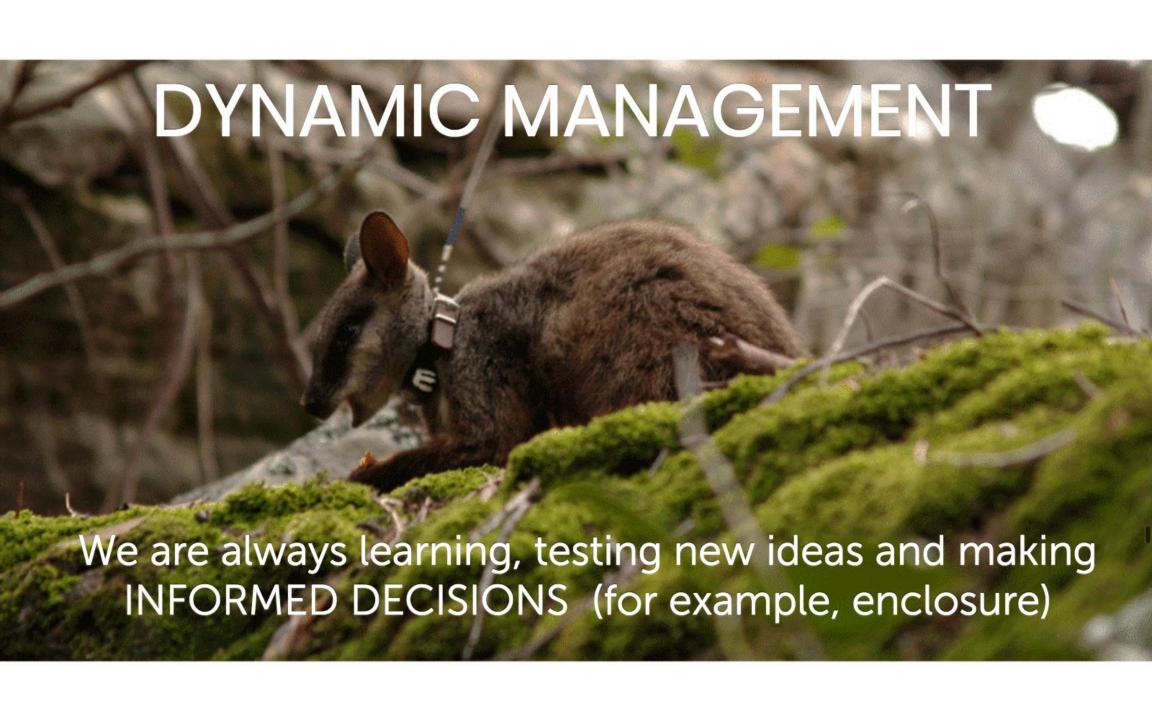


WORKING TECHNOLOGICALLY



Radio-tracking of BTRW released into wild colonies







ROCKWALLABY .ORG. AU



We celebrate the project successes ...

ROCKWALLABY .ORG. AU



... and put on a brave face for the losses



BUT FUNDING IS UNCERTAIN YEAR TO YEAR



That is why fund & awareness raising by the FRIENDS is vital



OR SYMBOLICALLY ADOPT A KANGAROO VALLEY ROCK-WALLABY

How can we get our community & politicians to actively protect our



COMMUNITY ACTION is vital - EVERYONE can help

What other STRATEGIES do we have to PROTECT BIODIVERSITY from INTRODUCED PREDATORS?



Translocation & reintroduction of threatened species to predator-free islands, reserves or exclosures. BIOCONTROL?

Friends of the Brush-tailed Rock-wallaby

have won numerous grants and awards for their



COMMUNITY ENGAGEMENT & SCHOOL EDUCATION PROGRAMS SINCE 1995



Watch short video clips of the Kangaroo Valley Rock-wallabies on the Friends Channel



Find the Friends on Facebook



BefriendRockwallaby on Instagram



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Chromosomal Speciation in the Genomics Era: Disentangling Phylogenetic Evolution of Rock-wallabies - Scientific Figure on ResearchGate. Available from: https://www.researchgate.net/Map-of-rock-wallaby-Petrogale-taxa-distributions-across-Australia-Map-m...