

ACT BIOSECURITY AND RURAL SERVICES - INVASIVE PLANTS

ParkCare Annual Planning
Information Session

WHAT CHALLENGES DO WE FACE?

1

Established weeds are the most challenging in many aspects.

- Long history in the landscape
- Seedbank established
- Sense of complacency
- Risk of being overlooked

2

Time, Money, Resources, Threat

- Intensive
- Ongoing
- Expensive
- Demoralising

3

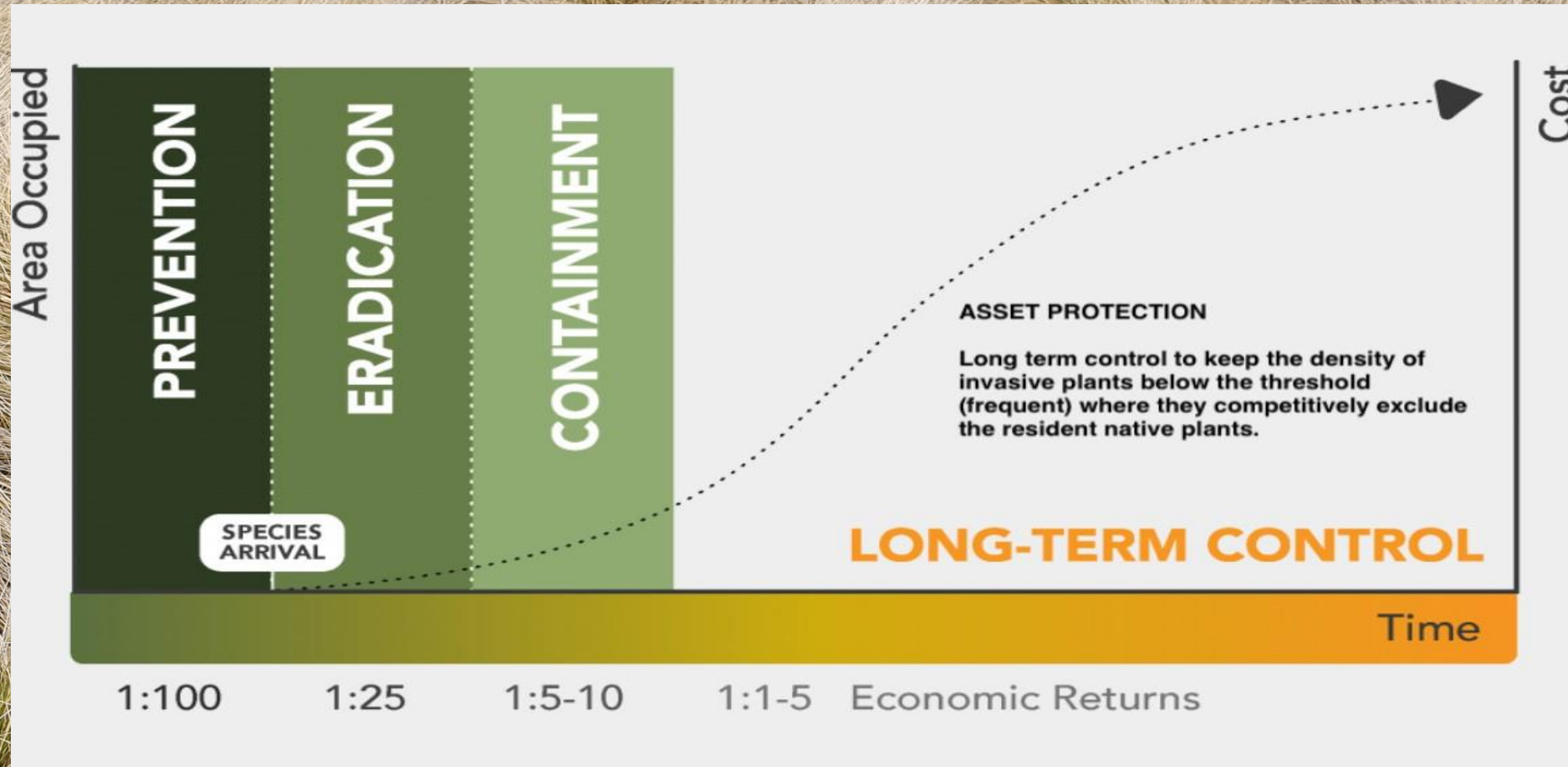
Many are transformers capable of invading intact, healthy ecosystems

- Serrated tussock is an example of a plant capable of invading and transforming intact grassland/woodland habitats.

4

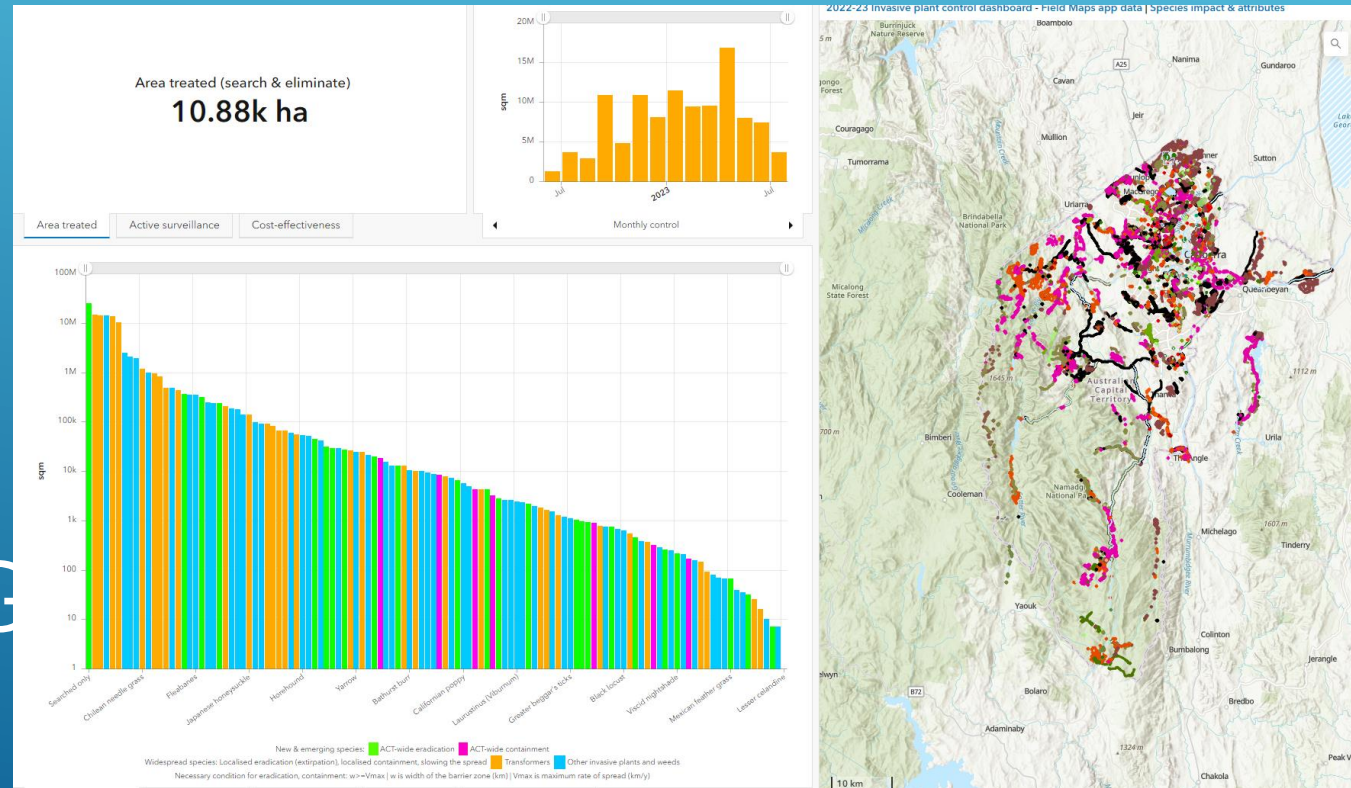
Large established populations across significant geographical areas.

- Makes further spread more likely, exacerbating the issue



WHEN IT COMES TO INVASIVE SPECIES, PREVENTION IS MUCH EASIER AND CHEAPER THAN CURE. (IMAGE AND TEXT - INVASIVES.ORG.AU)

▶ <https://actgov.maps.arcgis.com/apps/dashboards/5449adb632884d68aeb585e3e73dde99>



MANAG

RISK ASSESSMENTS

- ▶ Naturalised Non-local Native Plant list

<https://docs.google.com/spreadsheets/d/1UwjgpX8Y6dYPabtUA84ZsWDu7MYcbCzU/edit#gid=644747902>

- ▶ Weed risk assessment

<https://docs.google.com/spreadsheets/d/1uBNiQCtly2APabsa7bP1o8v2-DJmrVix/edit#gid=753253221>

INTEGRATED CONTROL

- ▶ Best practice control involves a number of techniques (ie. integrated control):
 - biocontrol – **African boxthorn**(CSIRO) Rust, **Opuntia ssp.** Cochineal weevil and cactoblastis moth, **broom** gall mite, **blackberry** rust
 - herbicide application - spot spraying, cut-stump, basal bark, boom spraying, stem-scrape, granular, splatter-gun, wick-wiper, and aerial spraying - drone, helicopter, or fixed wing
 - manual removal is effective during wetter periods for smaller plants
 - revegetation and mulching are required in degraded areas after control work
 - flame weeding and slashing are effective against annual weeds trials on cacti
 - carefully timed grazing and mowing can be used to improve grassland condition and slow or reduce densities of certain weeds.
 - prescribed burning and soil fertility management are most effective when combined with selective herbicide use



DRONES



REPORTING AND USEFUL APPS



Or

Biosecurity Team – 6207 3587

<https://www.environment.act.gov.au/parks-conservation>



