Raising awareness and building capability to manage early invader weeds

Social media: @weedyk8 #WESIProj

Cylindropuntia kleiniae (Klein's Cholla), Minyip Bushland Reserve, June 2016

Kate Blood, Bianca Gold, Bec James Victoria, Australia - 27 Oct 2021



Environment, Land, Water and Planning

Acknowledegment

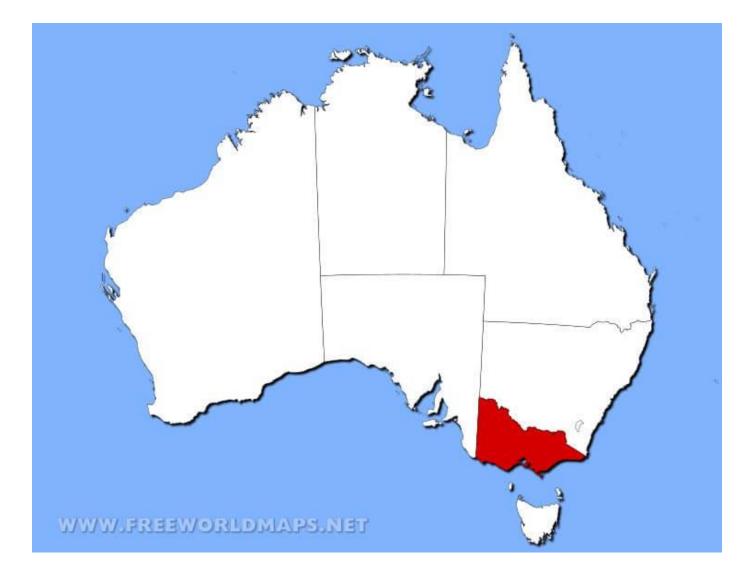
We acknowledge and respect Victorian Traditional Owners as the original custodians of Victoria's land and waters, their unique ability to care for Country and deep spiritual connection to it. We honour Elders past and present whose knowledge and wisdom has ensured the continuation of culture and traditional practices.

We are committed to genuinely partner, and meaningfully engage, with Victoria's Traditional Owners and Aboriginal communities to support the protection of Country, the maintenance of spiritual and cultural practices and their broader aspirations in the 21st century and beyond.

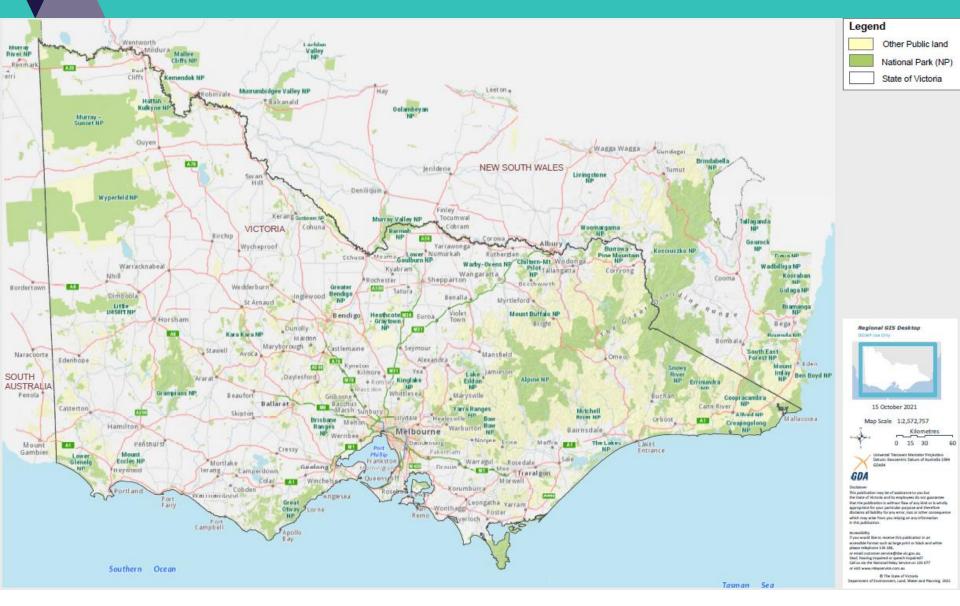
Wathaurong Country, near Beaufort, Victoria, 2021



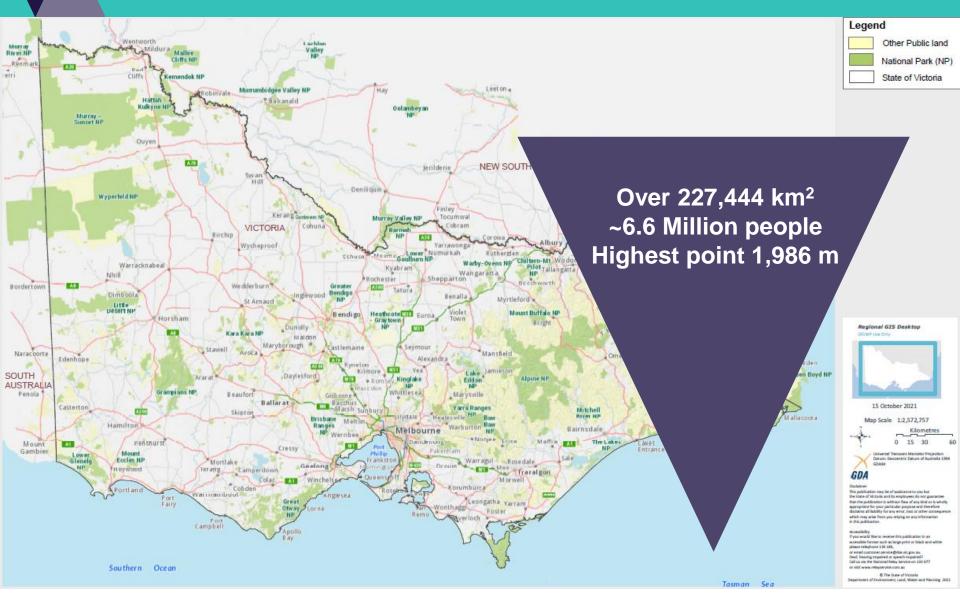
State of Victoria, Australia



Victoria



Victoria



Victoria



Where do we fit?

DELWP's Forest, Fire and Regions Group

Statewide Invasive Species Programs

Weed Management Program



Weeds at the Early Stage of Invasion (WESI) Project 1.5 FTE \$194,000 AUD per year Established 2011 Weed Data Management Project 1.3 FTE \$170,000 AUD 2021/2022

7

Weeds at the Early Stage of Invasion (WESI) Project

The WESI project <u>aims</u> to prevent the establishment of high risk invasive plants that threaten biodiversity on the public land estate

> Social media: @weedyk8 #WESIProj

> > 8

Dimorphotheca species (Cape Daisy), Wimmera, Oct 2016

OFFICIAL

collaborations

tools & resources

awareness raising

Supporting on-ground case management of early invader weeds

capability building

collaborations



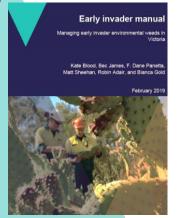
awareness raising

Supporting on-ground case management of early invader weeds

capability building

collaborations





tools & resources

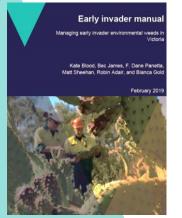
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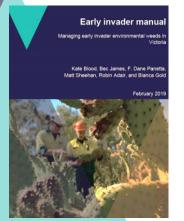


capability building

OFFICIAL







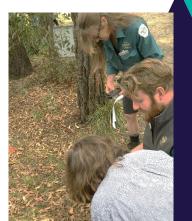
EXIT

WASHDOWN AREA AHEAD

tools & resources

awareness raising

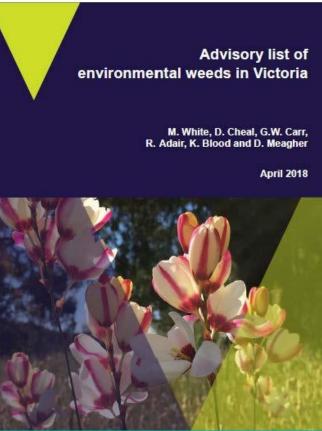
Supporting on-ground case management of early invader weeds



capability building

OFFICIAL

Tools



Arthur Rylah Institute for Environmental Research Technical Report Series No. 287





Early invader manual

Managing early invader environmental weeds in Victoria

Kate Blood, Bec James, F. Dane Panetta, Matt Sheehan, Robin Adair, and Bianca Gold

February 2019





Tools

Advisory list of environmental weeds in Victoria

> M. White, D. Cheal, G.W. Carr, R. Adair, K. Blood and D. Meagher

> > April 2018

Web search: early invader weeds

https://www.environment.vic.gov.au/invasive-plants-andanimals/early-invaders



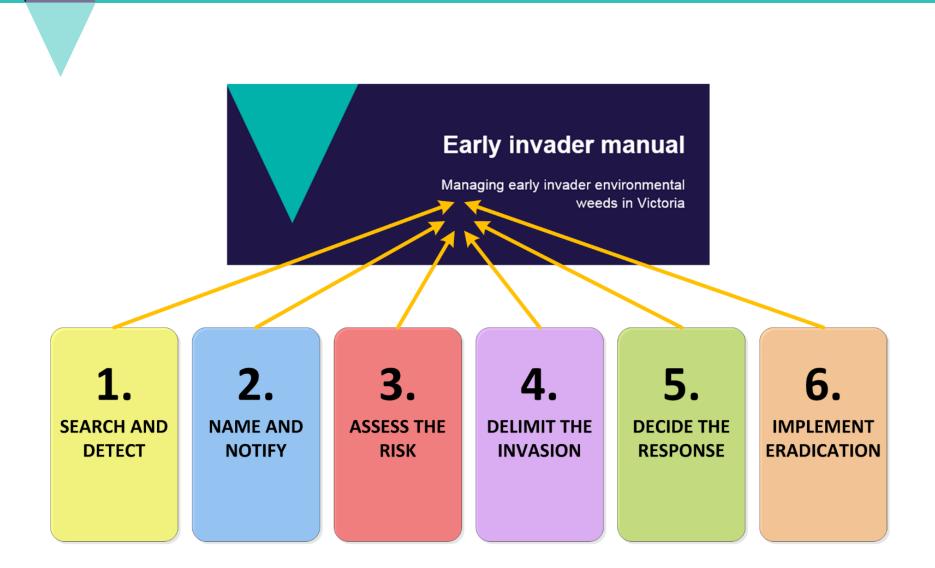
Early invader manual

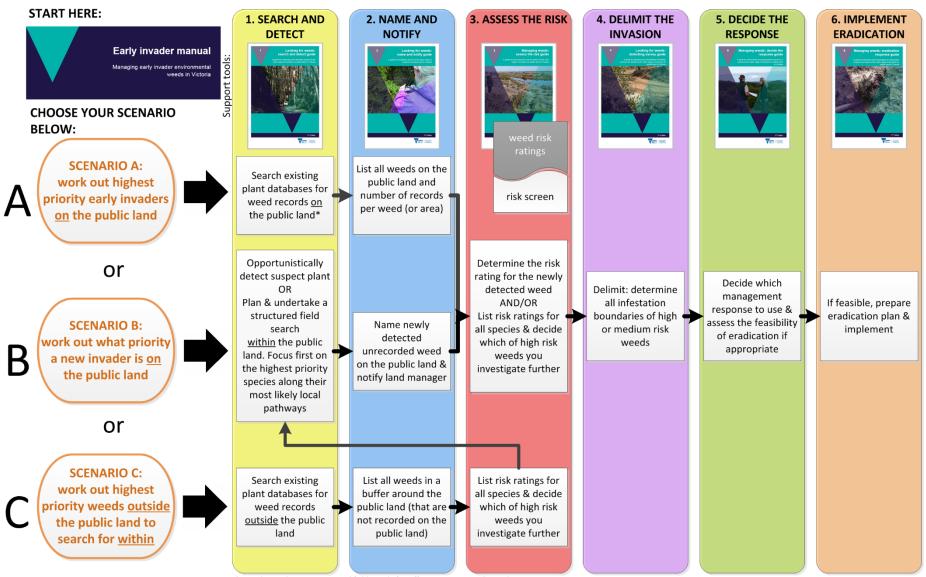
Managing early invader environmental weeds in

Kate Blood, Bec James, F. Dane Panetta, Matt Sheehan, Robin Adair, and B<u>ianca Gold</u>



Decision making framework





* consider conducting a structured field search if insufficient existing weed records exist

Training





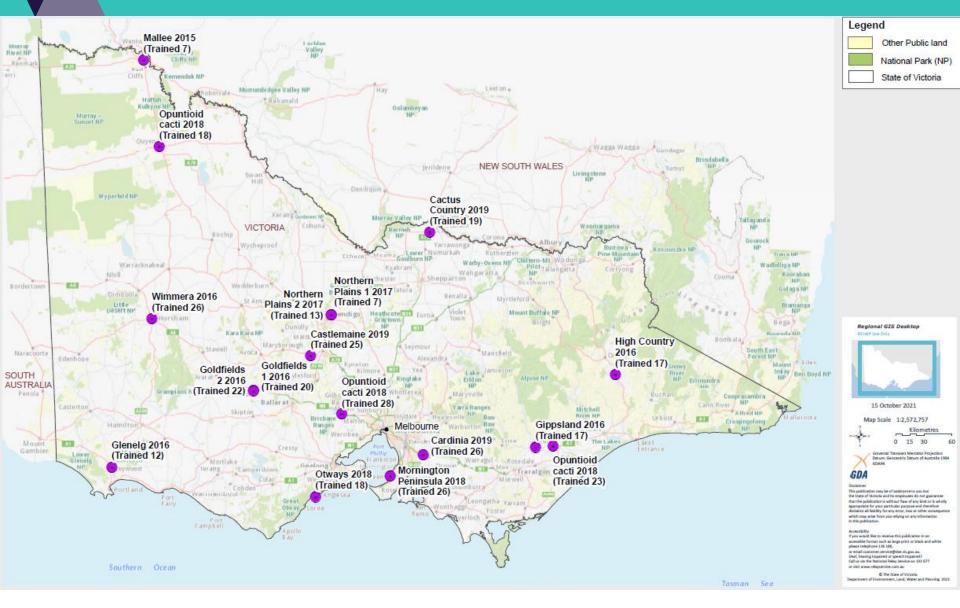
Training

Mornington Peninsula Weed ID Training, November 2018

- 17 workshops from 2015 to 2019
- 324 people trained
- 88 of these about opuntioid cacti

TAFF

Training locations



Training using the tools



Training using the tools

Opuntioid Cacti Workshop, Bacchu



Training using the tools



100% of respondents agreed that they had more confidence in identifying and working with opuntioid cacti as a result of the session

Opuntioid Cacti Work

Social media: @weedyk8 #WESIProj

Webinars

SWIFFT State Wide Integrated Floce and Fauna Teams Weed management after fire: supporting native species recovery

Victorian alps, near Falls Creek, Victoria, November 2016

Webinars

- four-webinar series
- 1,430 registrations
- 33% joined live
- 14 presentations
- 12 collaborators
- evaluation report
- recordings available

SWIFFT State Wide Integrated Floca and Fauna Teams Weed management after fire: supporting native species recovery

Webinars

Over the series 93% of evaluation survey respondents agreed that they learned something that they are likely to apply

- four-webinar series
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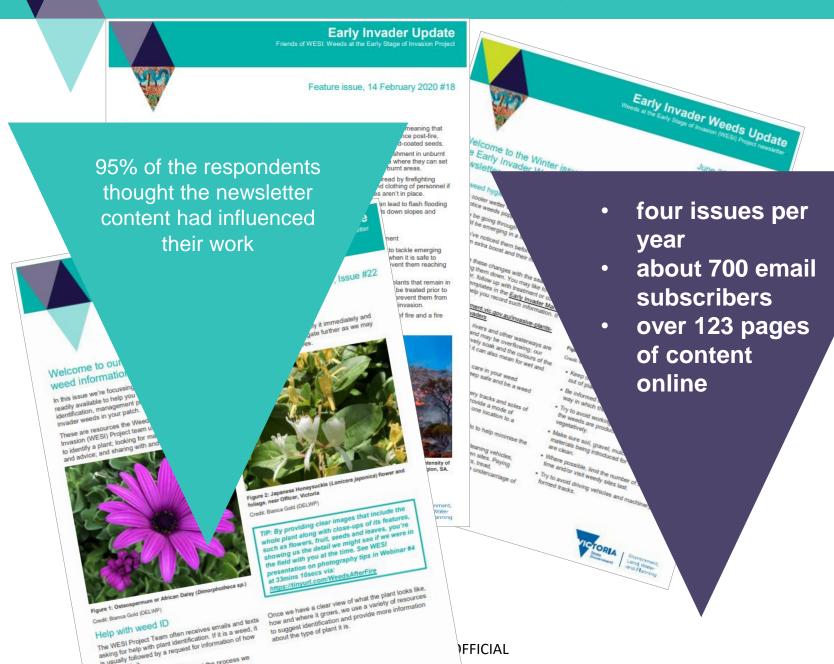
Newsletter - Early invader weeds update



Newsletter - Early invader weeds update



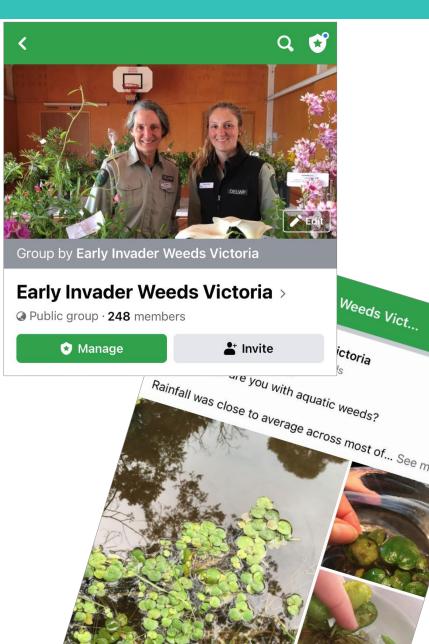
Newsletter - Early invader weeds update



29

Facebook Group

Scheduled posts



Social media: @weedyk8 #WESIProj

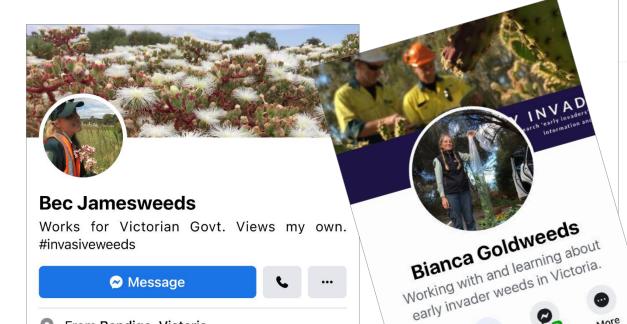
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Facebook Group

Scheduled posts

Individual profiles

Twitter, Facebook, Instagram, LinkedIn





Weed Woman @weedyk8

Early invader weeds with Kate Blood, works @DELWP_Vic. Views my own. #EarlyInvaders #InvasiveSpecies #Weeds #WESIProj #WeedID #Ecology #Biodiversity #SciComm

SE Australia

S environment.vic.gov.au/invasive-plant...

III Joined September 2013

1,480 Following 1,023 Followers

Tweets

Tweets & replies Media

Likes



Weed Woman @weedyk8 · 6h I am speaking at the California Invasive Plant Council Cal-IPC 30-Year Anniversary Symposium 2021 and there are lots of great topics on offer: cal-ipc.org/resources/ symp... #CALIPC30year @cal ipc



Cal-IPC 30-Year Anniversary Symposium 2021 Vednesday Oct 27, 2021 / 02:30PM - 02:50PM

"Raising Awareness and Building Capability to

Manage Early Invader Weeds in Victoria, Aus...

Kate Blood

...

Facebook Group

Scheduled posts

Individual profiles

- Twitter, Facebook, Instagram, LinkedIn
- Useful to
 - Promote events
 - Share information
 - Seek help

Springer Fyrberg Kaye shared a post.

I have been so impressed with the invasive species materials put out by this team in Victoria, AU. BIISC has updated our early detection methods based on some of their publications. Recordings to useful webinars (for those that don't want to try to figure out Aussie time zones:) can be found in the links below (scroll through Kate's message).

Kate Bloodweed

Technology and collaboration vere two of my father's professional linchpins. The has influenced much of my career and I have been really enjoying the recent project I have been delivering with Bianca Goldweeds.

Bianca and I, with many collaborators and tech supporters, are half way through running a webinar series. We have been heartened by the level of engagement and interest in the free online events.

The next webinar is next Wednesday.

For more information, recordings and to register: https://tinyurl.com/WeedsAfterFire

Weed management after fire webinar series #WeedFireWebinars

Facebook Group

Scheduled posts

Individual profiles

Twitter Ecohook

- Facebook Group ~250 followers in 6 months
- Up to 23,000 Tweet impressions per month
 - Views of combined webinar posts over 36,000

ation

Springer Fyrberg Kaye shared a post.

...

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Weed management after fire webinar series #WeedFireWebinars

Case management - example

Amazon Frogbit (Limnobium laevigatum)

- Free-floating aquatic
- From South America and South Eastern USA
- Pond plant in trade
- Assisting awareness raising
- Assisting identification
- Connecting on-ground practitioners



Case management - example

Amazon Frogbit (Limnobium laevigatum)

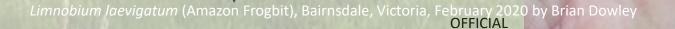
- Free-floating aquatic
- From South America and South Eastern USA

Supporting:

- 90 cases 2020/2021
- 50⁺ cases 2019/2020

d practitioners

lising



Thank you

- WESI Steering Group
- Friends of WESI
- Statewide Invasive Species Programs
 - **Central Highlands Eden**
- Glenelg Eden
 - Otway Eden
- Good Neighbour Program
- Many collaborators

Victorian Government funders: *Weeds and Pests on Public Land Program *Bushfire Biodiversity Response & Recovery

Cylindropuntia pallida (White-spined Hudson Pear), Tol Tol, Victoria, April 2012

Find us



Bec James rebecca.james@delwp.vic.gov.au Facebook: becjamesweeds Bianca Gold bianca.gold@delwp.vic.gov.au Facebook: goldieweeds Kate Blood kate.blood@delwp.vic.gov.au Social media: weedyk8



Web search: early invader weeds

Facebook Group: earlyinvaderweeds.vic Weed fire webinars: <u>https://tinyurl.com/WeedsAfterFire</u>