

Attachment 2: Map of Clearing Extent

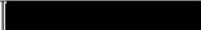
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	Clearing Permit Area
	Areas vehicles and machinery accessed and vegetation pruned


City of Joondalup
 90 Boas Ave, Joondalup WA 6027
 PO Box 21, Joondalup WA 6919
 Ph: 08 9400 4000
 Fax: 08 9300 1383
Info@joondalup.wa.gov.au
www.joondalup.wa.gov.au



Scale (A4): 1:400	Date: 23/06/2023	
Path: E:\GIS Projects\Parks\Warwick Open Space\WOS CRP 9378\WOS CRP		
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Warwick Open Space
CRP 9378
Post Clearing Survey

Attachment 3: Map Showing Location of Cleared Trees

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- Cleared Jarrah (*Eucalyptus marginata*) tree
- Cleared dead *Jacksonia furcellata* shrub
- Clearing Permit Area


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Warwick Open Space
CRP 9378
Cleared Trees and Shrubs

Attachment 4: Shapefile of Clearing Extent

Please see Attachment 4's zipped folder for shapefile data

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Attachment 5 - Demarcation Evidence of the Clearing Permit Boundary

The City's Engineering Survey team demarcated the clearing permit boundary on 24 March 2022 prior to the clearing taking place in April 2022.

The images below were emailed to the project and environmental development teams on 25 March as evidence of the works being undertaken.













Attachment 6 - Images of Site Post Clearing Under CPS 9378-1

Images of Cleared Trees:

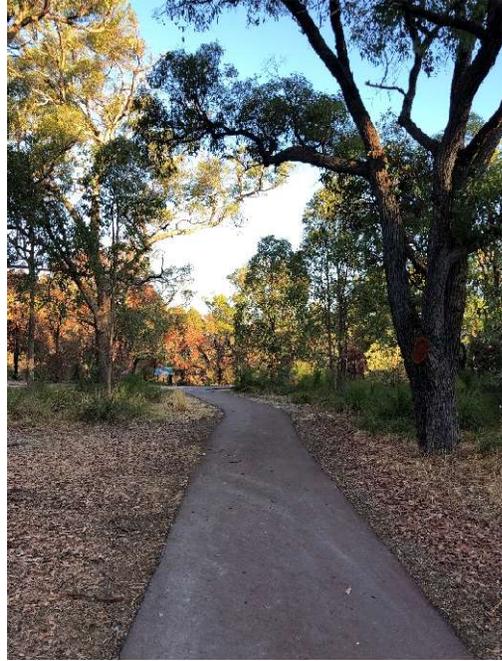


Image of the Site where the dead *Jacksonia furcellata* shrub was cleared (Coordinates are 388154.9, 6476627.8). The first photo was taken prior to the clearing on 15 March 2022 and the second photo was taken on 14 April 2022. You can see in the second photo the dead *Jacksonia furcellata* shrub is no longer present.



Image of the Site where the Jarrah tree (*Eucalyptus marginata*) was cleared (Coordinates are 388139.7, 6476628.8). The photos were taken on 14 April 2022, one showing the tree within the clearing permit boundary as per the demarcation blue dot, and the other a close up of the removed tree to show its age.

Images of Tree Pruning



These photos were taken on 14 April 2022, one showing the trees that were pruned, some alive and others dead that still provide valuable habitat and have been left within the bushland.

Attachment 7: City of Joondalup Pathogen Hygiene Procedure

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City of Joondalup Staff and Contractors Pathogen Hygiene Procedure

All City staff and contractors are responsible for avoiding the spread of pathogens to protect the natural environment. This procedure is in accordance with the City of Joondalup *Pathogen Management Plan* and applies to City parks, urban landscaping areas and natural areas.

Clean-down procedures should be undertaken when conducting

- Works that disturb soil
- Tree pruning

Clean-down procedures consist of the following steps

1. Before entering the site, clean footwear, clothing, tools, equipment and vehicle to remove all soil and plant materials.
2. Conduct site activities.
3. Brush-down footwear, clothing, tools, equipment and vehicles within the site compound area or in the immediate vicinity of construction works to remove all soil and plant materials.
4. Exit the site.

Note: A vehicle washdown bay is available for use at the City of Joondalup Works Operation Centre. Contact your City representative for access.

General pathogen hygiene principles for on-site activities:

Parks and Urban Landscaping Areas

- In pathogen identified areas, avoid pruning trees during wet conditions where possible.
- Avoid damaging the trunk of trees when mowing or trimming.
- When walking on site, remain on paths and avoid bushland or vegetated areas where possible and/or practical.
- If accessing site with a vehicle, remain on formalised tracks or areas demarcated for vehicle access.
- Avoid water draining into bushland and vegetated areas.

- Use mulch that is certified pathogen free to the relevant Australian Standard (AS4454) and source plants from nurseries compliant with Nursery Industry Accreditation Scheme Australia (NIASA), where possible.

Natural Areas Bushland

- Works should commence in non-pathogen identified areas first and in known or suspected pathogen identified areas last.
- Avoid conducting works and accessing site in wet conditions, where possible.
- If accessing site with a vehicle, remain on formalised tracks or areas demarcated for vehicle access.
- When walking on site, remain on paths and avoid bushland or vegetated areas where possible and/or practical.
- In pathogen identified area, avoid pruning trees during wet conditions, where possible.
- Minimise water use in bushland and vegetated areas.
- Avoid water draining into bushland and vegetated areas.
- Use mulch that is certified pathogen free to the relevant Australian Standard (AS4454) and source plants from nurseries compliant with Nursery Industry Accreditation Scheme Australia (NIASA), where possible.

For any queries, please contact the Environmental Development Coordinator or email enviro@joondalup.wa.gov.au.

Attachment 8: Shapefiles of Revegetation Area

Please see Attachment 8's zipped folder for shapefile data

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Attachment 9: Map of Revegetation Area

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boundary

-  Clearing Permit Area
-  Revegetation Site Boundary



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**Warwick Open Space
 CRP 9378
 Boundary of revegetation area**

Attachment 10: 2025 Monitoring Report

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Warwick Bushland – City of Joondalup Monitoring Report – Autumn 2025

Monitoring Date(s):	28/03/2025	Conducted By:	[REDACTED]
Site Reference:	Warwick Power Pole	Reviewed By:	[REDACTED]
Area (ha):	0.1138 ha	Project No:	P1045

Summary of Revegetation Progress / Condition

- All completion criteria being met at the end of the required reporting period.
- No further infill planting required.
- Ongoing weed control recommended as perennial veldt grass is still prevalent throughout site.

Assessment Against Completion Criteria

Text is **green** if meeting criteria or **red** if not meeting criteria

Criteria	Target	Quadrat 1	Overall Total
Plant density	1 plant per m ²	>1.19	>1.19
Species richness	19	21	21
Weed cover	10%	<5%	<5%

Brief Works History

- Clearing completed by Western Power for work on power pole.
- 1,313 plants installed by others in June 2022 in accordance with Clearing Permit CPS 9378/1.
- March 2023 survey by NAMS identified completion criteria were not being met, so an additional 263 plants were installed in June 2023.
- Formal monitoring of revegetation completed on 22 April 2024.
- 197 additional tubestock installed by Tranen on 3 July 2024.
- Spring 2024 monitoring event conducted on 17 September 2024.

Methods

Quadrat Establishment

- One 10m x 10m quadrat (previously established by others).
- Quadrat location (Q1 on Figure 1).

Data Collection

- All data collected from quadrat.
- Total number of planted seedlings and existing (not planted) native plants counted.
- Total number of native species counted to determine species richness.
- Native species plant density calculated by total number of native plants divided by quadrat area (m²).

Results, Observations, and Discussion

Quadrat 1

- Total of 54 planted seedlings identified in monitoring quadrat.
- More than 60 existing native plants counted (exact number could not be determined as many were sedges which can be difficult to differentiate).
- Native species plant density estimated to be at more than 1.19 plants per m² (uncertainty due to difficulty differentiating individual sedges).
- A total of 21 different native species identified, 17 of which were planted species and eight existing species.
- Current weed cover percentage estimated to be less than 5%, however there was more significant coverage (approximately 20%) by invasive species which had died off or were dormant at the time of the monitoring event.

General Observations

- Further predation of seedlings noted in monitoring quadrat, specifically *Dianella revoluta* and *Anigozanthos manglesii*.
- Diggings were again identified in monitoring quadrat.
- Informal tracks through revegetation area may still be in use.

Conclusions and Recommendations

- Completion criteria from Clearing Permit CPS 9378/1 have been met at the end point of this project.
- Visual assessments suggest strong native plant establishment through the main revegetation area but lower tubestock survival rates through the narrow strip closer to the gate.
- Overall weed load does appear to be significant even though few living weeds were identified during the monitoring event – ongoing weed control is still recommended, particularly for perennial veldt grass (*Ehrharta calycina*) which was the most prevalent invasive species.



Aerial Imagery Source: Nearmap



Species Richness			
Species	Autumn 2024	Autumn 2025	
	Native species	Revegetation	Established
<i>Acacia applanata</i> *	✓	✓	
<i>Acacia pulchella</i> *	✓		
<i>Allocasuarina humilis</i> *	✓	✓	
<i>Anigozanthos manglesii</i>	✓	✓	
<i>Banksia attenuata</i>	✓	✓	✓
<i>Banksia menziesii</i>	✓	✓	
<i>Conostylis aculeata</i> *	✓	✓	✓
<i>Corynotheca micrantha</i>	✓		
<i>Daviesia divaricata</i> subsp. <i>Divaricata</i> *	✓	✓	
<i>Daviesia triflora</i>	✓		
<i>Desmocladius flexuosus</i>	✓		✓
<i>Eucalyptus marginata</i>	✓	✓	✓
<i>Gastrolobium capitatum</i> *	✓	✓	
<i>Gompholobium tomentosum</i>	✓	✓	
<i>Grevillea vestita</i>	✓	✓	
<i>Hakea lissocarpha</i>	✓	✓	
<i>Hakea prostrata</i>	✓	✓	
<i>Hardenbergia comptoniana</i> *	✓	✓	
<i>Hibbertia hypericoides</i> *	✓	✓	✓
<i>Hibbertia subvaginata</i>	✓	✓	
<i>Jacksonia sternbergiana</i> *	✓		
<i>Jacskonia furcellata</i>	✓	✓	
<i>Lepidosperma</i> sp.	✓		✓
<i>Patersonia occidentalis</i> *	✓		
<i>Scaevola canescens</i>	✓		✓
<i>Stirlingia latifolia</i>	✓		
<i>Xanthorrhoea preissii</i>	✓		✓
Total species	27	17	8

*Revegetation species not listed in Clearing Permit

Native Plant Density					
	Autumn 2024	Autumn 2025			
	plants per m ²	Tubestock	Established	plants per m ²	Native cover
Alive	1.04	54	50+	1.19	~25%
Dead	N/A	15	N/A	N/A	N/A

Weed species identified	
Autumn 2023	Autumn 2024
<i>Briza maxima</i>	<i>Bromus sp.</i>
<i>Ehrharta calycina</i>	<i>Lagurus ovatus</i>

Species from Clearing Permit not sighted during Autumn 2025 monitoring
<i>Banksia ilicifolia</i>
<i>Daviesia triflora</i>
<i>Hypocalymma robustum</i>
<i>Stirlingia latifolia</i>
<i>Eryngium pinnatifidum</i>
<i>Kennedia prostrata</i>

Photographs

Monitoring quadrat from north-east corner – 28/03/2025



Lower plant establishment near gate – 28/03/2025



Diggings in monitoring quadrat – 28/03/2025



Strong plant establishment in and around Quadrat 1 – 28/03/2025



Existing and planted vegetation along western boundary – 28/03/2025



Moderate plant establishment around power pole – 28/03/2025



Banksia menziesii planted from tubestock – 28/03/2025



Attachment 11: Chemical Application Reports 2025

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CHEMICAL APPLICATION REPORT

Container: Bushland Management

Date: 20/03/2025 **Spraying Commenced:** 10:00 am **Spraying Completed:** 11:00 am

Location: Warwick Open Space - Offset

Map:



Coordinates:

- **Latitude:** -31.840332242857254
- **Longitude:** 115.81800289783324
- [View in Google Maps](#)

Signs: 6 **Put Out:** 09:45 am **Removed:** 20/03/2025 03:00 pm

Temperature: 23

Wind Speed (kph): 3

Wind Direction: East

General Conditions: Sunny

Operators: Sean Waters, Dylan Whiffler

Tasks Undertaken:

Task	Time Taken (Hrs)
Weed master duo	2

Chemical Trade Name: Weedmaster duo

Active Constituent: Glyphosate

Concentration of Mix: 1%

Application Rate: N/A

Adjuvants: Endorse, blue dye

Litres Used: 20

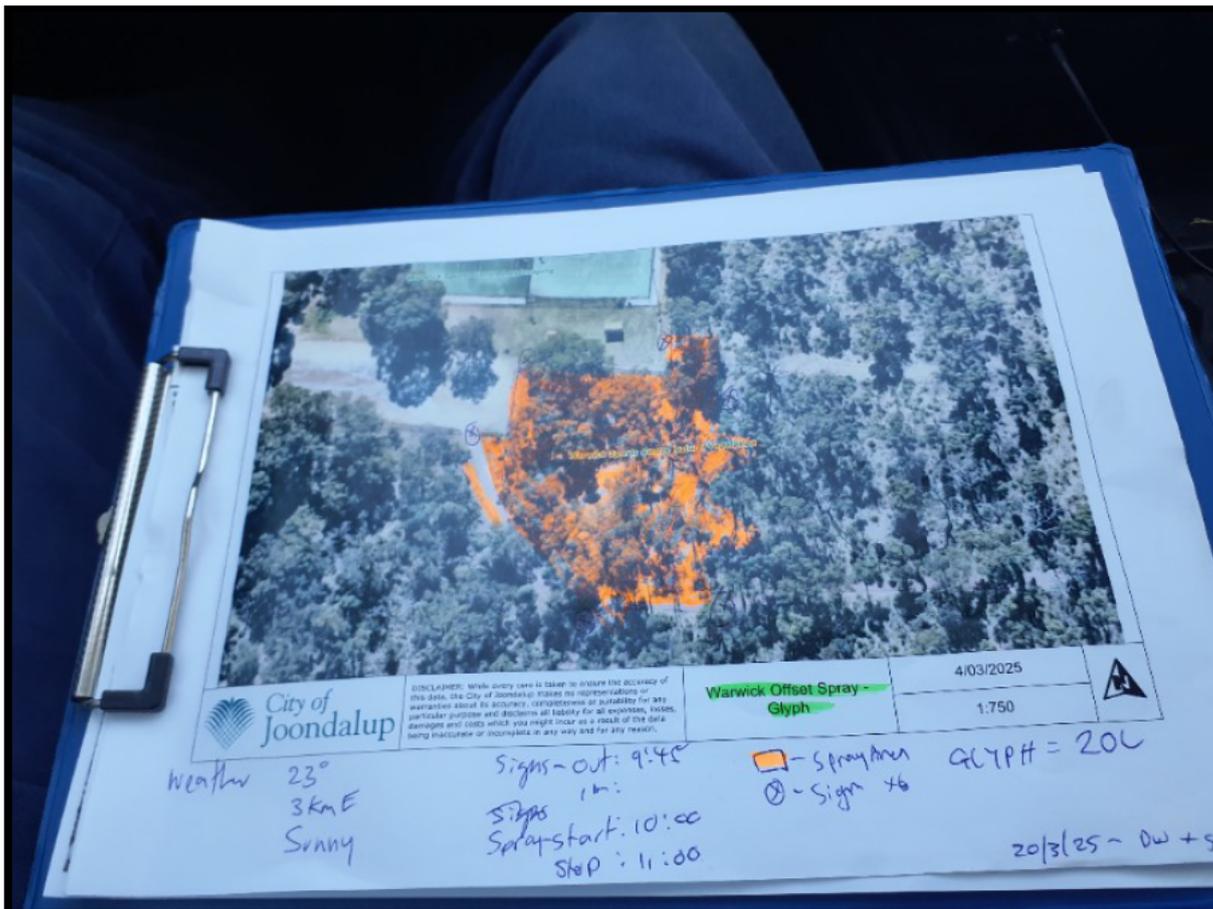
Weeds Targeted: All

Equipment Used: Backpacks

Personal Protective Equipment: Mask, gloves, glasses, boots

Comments:

Photos:





CHEMICAL APPLICATION REPORT

Container: Bushland Management

Date: 12/06/2025 **Spraying Commenced:** 09:00 am **Spraying Completed:** 09:45 am

Location: Warwick Offset

Map:



Coordinates:

- **Latitude:** -31.84035646332158
- **Longitude:** 115.8180602343933
- [View in Google Maps](#)

Signs: 3 **Put Out:** 08:45 am **Removed:** 12/06/2025 10:15 am

Temperature: 14

Wind Speed (kph): 2.5

Wind Direction: North-East

General Conditions: Overcast

Operators: Jodi Kelt

Tasks Undertaken:

Task	Time Taken (Hrs)
Spot spray	1

Chemical Trade Name: Weed master duo

Active Constituent: Glyphosate

Concentration of Mix: 100ml/10L

Application Rate: Na

Adjuvants: Blue dye + Endorse

Litres Used: 20

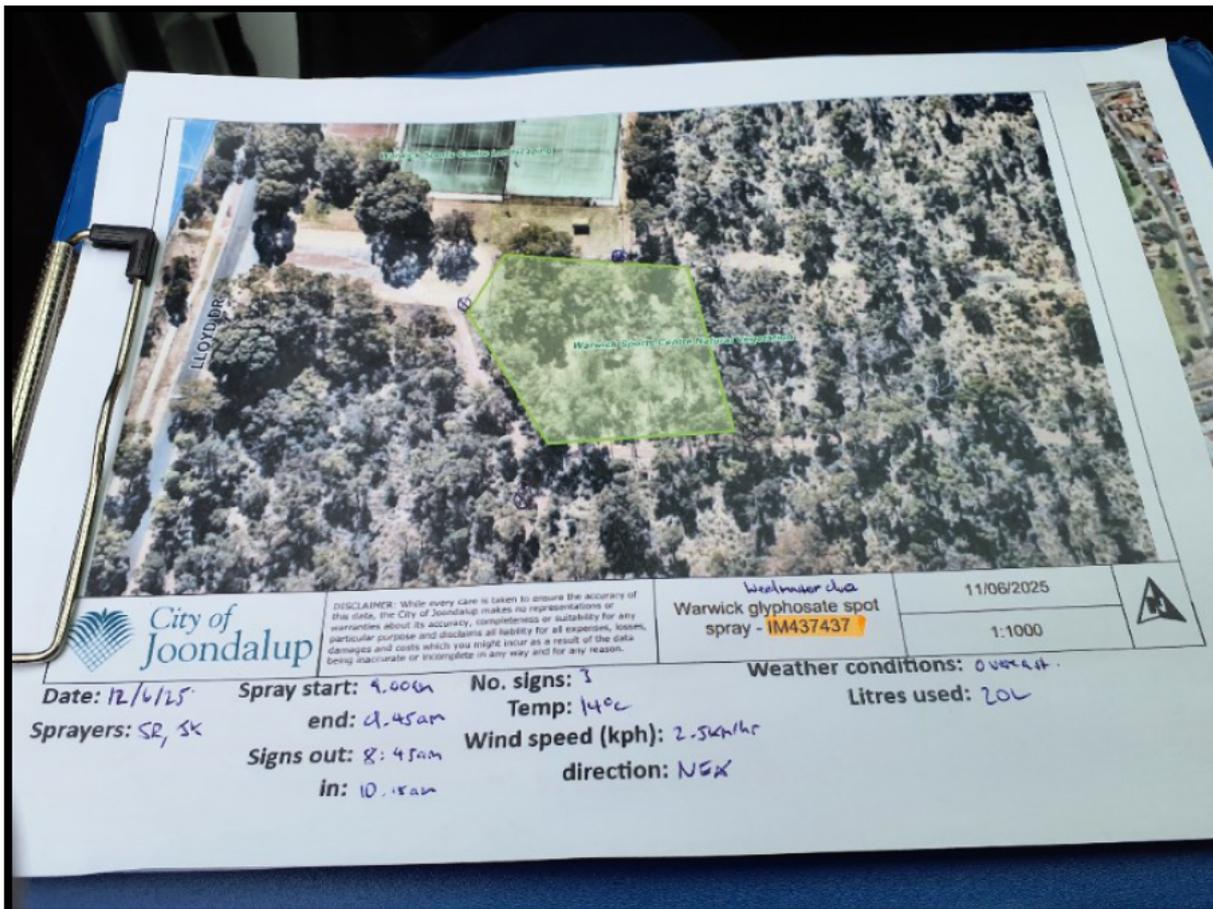
Weeds Targeted: All weeds

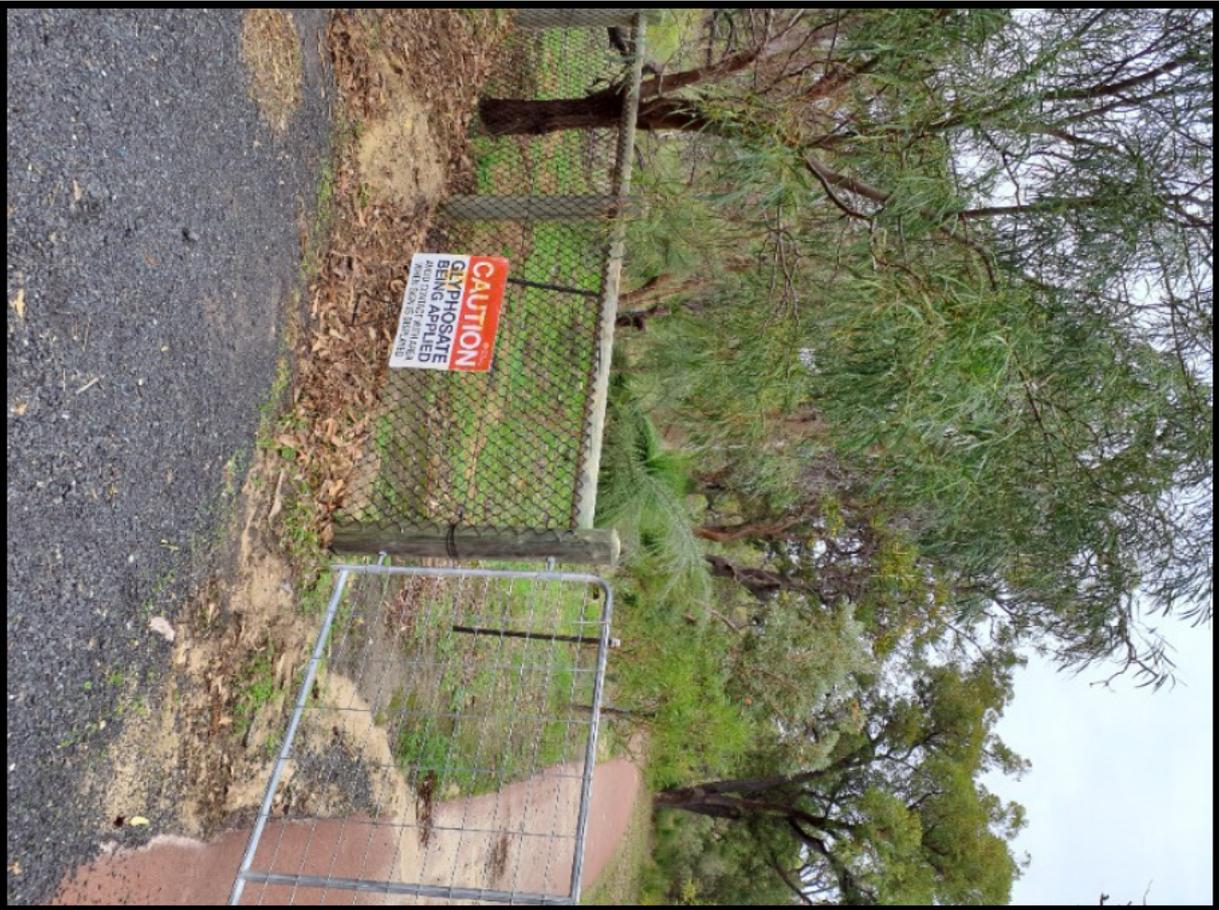
Equipment Used: Knapsack

Personal Protective Equipment: Hat, pvc gloves, overalls, gumboots, spray mask

Comments: Shiho Roberts-Proud also sprayed (Please add her to the spray form)

Photos:





CHEMICAL APPLICATION REPORT

Container: Bushland Management

Date: 11/09/2025 **Spraying Commenced:** 09:15 am **Spraying Completed:** 10:00 am

Location: Warwick Natural Vegetation

Map:



Coordinates:

- **Latitude:** -31.84035190613399
- **Longitude:** 115.81797976812285
- [View in Google Maps](#)

Signs: 3 **Put Out:** 09:00 am **Removed:** 11/09/2025 10:45 am

Temperature: 13

Wind Speed (kph): 2

Wind Direction: North-East

General Conditions: Sunny

Operators: Mitchell Donald, Shiho Roberts-Proud

Tasks Undertaken:

Task	Time Taken (Hrs)
Warwick offset Glyphosate spray	1

Chemical Trade Name: Weedmaster Duo

Active Constituent: Glyphosate

Concentration of Mix: 100ml/10L

Application Rate: N/A

Adjuvants: Endorse, blue dye

Litres Used: 20

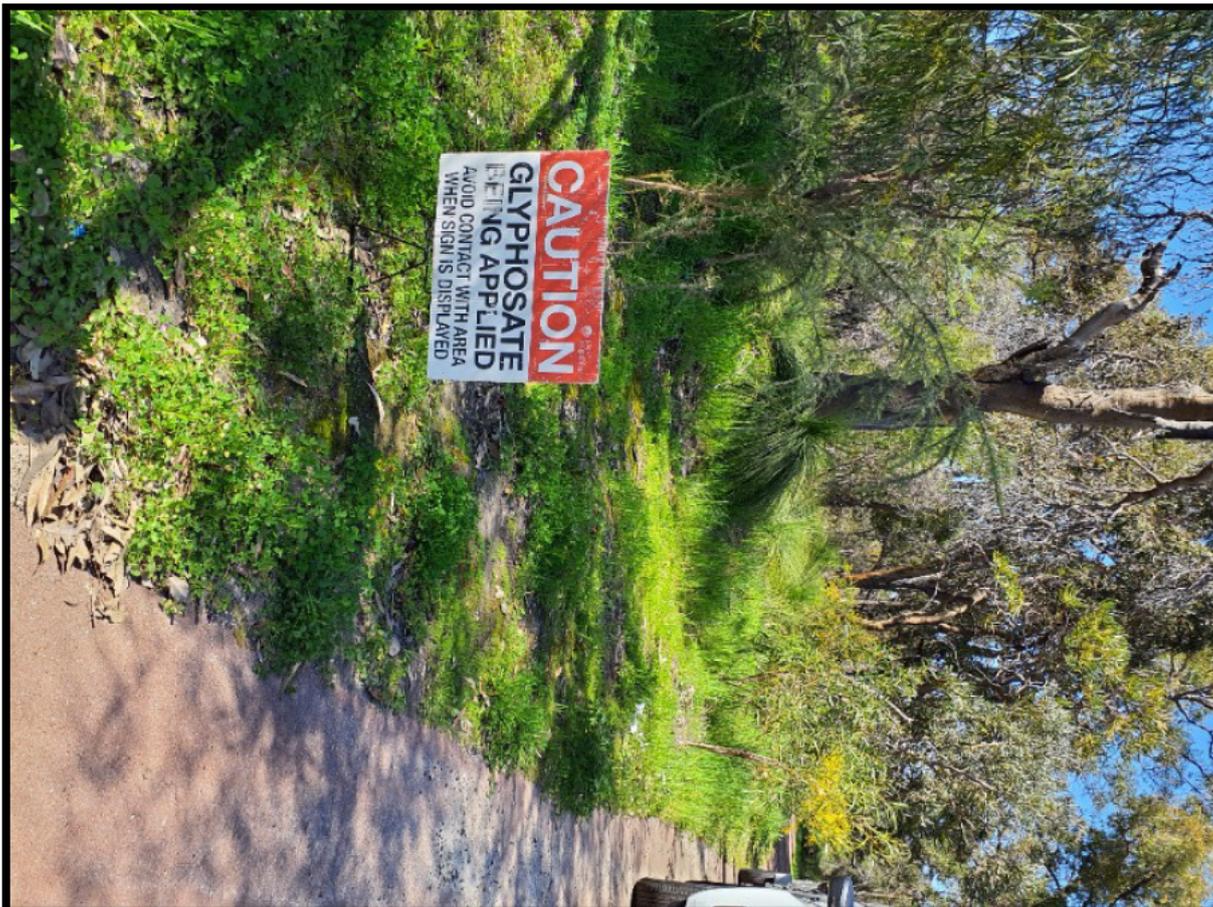
Weeds Targeted: All sorts of weeds

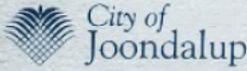
Equipment Used: Knapsack sprayer

Personal Protective Equipment: Gumboots, spray suits, pvc gloves, face mask, safety glasses

Comments:

Photos:





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Warwick bushland Offset
Spray

1/09/2025

Glyphosate

1:800



Temp: 13
Wind speed: 2 km/h
Wind direc: NE
Weather: Sunny

Signs out: 9 am
Signs in: 10.45 am
spray start: 9.15 am
spray finish: 10 am

⊗ = Signs x 3
= spray area
Litters used = 20

I 11462782
11/9/25 MD+SR