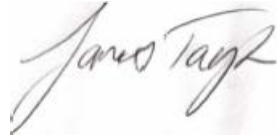




Landowner of offset site	Ian, Trish and James Taylor
Location and address of offset site	"860 Paddock" Warrambeen Pty Ltd, Rokewood – Shelford Rd, Shelford.
Interested Party	Dacland Stage 1 – Year 8 Dacland Stage 2 – Year 7 Dacland Stage 3 – Year 6
Responsible Authority	Golden Plains Shire, DCCEEW
Type of Offset	Vegetation, 30 Hectares Combined
Signature	
Date	2/4/24
Audience: This report must not be published or circulated to any other party other than those named here without the express permission of the landowner.	Proponent Responsible Authority Monitoring providers

Information to be included:

- A copy of the Management Action Table from the OMP with information on which actions have been completed for the year/s of this reporting period;
- A description of the specific monitoring results from surveys undertaken for vegetation/flora species;
- A description of the specific monitoring results from surveys undertaken for significant fauna species, such as the Golden Sun Moth
- Fencing work;
- Success of weed and pest animal control work;
- Successful management tools (i.e. techniques used to control weed species, protection of new plants, monitoring technique, etc.);
- Any problems or issues experienced (i.e. new infestation of weed species, storm damage to fencing, etc.)
- Include any corrective actions and contingency measures where monitoring indicates that there has been a degradation in the native vegetation and Golden Sun Moth population and habitat.

Table of Contents

General Offset Overview	3
Monitoring Results Ecology Report	3
Successful Management Tools	3
Corrective Actions and Contingency Methods	3
Grazing Dates	3
Biomass Control:	4
Weed and Pest Animal Control Work	4
Fox and Rabbit Control:	5
Fencing work	6
Management Plan 2024	6
Grazing	6
Observations	6
Reporting	6
Appendix 1 Works Complete	7
Appendix 2 Photo Points	10
Appendix 3: Monitoring Map from Nature Advisory	13
Appendix Four: Management action tables	14
Appendix Six- Quarterly Reports	15

Annual Dacland Stages 1 EPBC 2013/6771 Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report

General Offset Overview

This year 2023 has seen a much drier early Spring, which meant for the first time in two years we were able to get on top of the Spring burst of Biomass growth. This meant we had good Biomass levels during our Spring inspections. Unfortunately late December and early January we experienced a lot of rain and consequently a big summer of thistles.

We trialled a Spring burn - which was unsuccessful due to grazing and too much green grass and we have seen a reduction in thistle numbers over the last few years.

Our usual 3 x pass weed control approach was used successfully and we are very happy with the equipment and water systems we now have in place to make the spot spraying successful.

We really focussed on grazing this year to try to stay on top of the annual grasses and we hope we see a reduction in these next year as a result from preventing late seeding.

We are very happy with the level of control achieved on Phalaris this year especially on the Southern proportion of the offset.

Monitoring Results Ecology Report

No vegetation monitoring report required this year, confirmed with BLA.

Successful Management Tools

(i.e. techniques used to control weed species, protection of new plants, monitoring techniques, etc.)

- For Dacland probably the most successful tool has been the grazing. As mentioned we were very happy with the Biomass control right through the year. We've had much greater areas of bare ground in Spring (60% biomass) than we have in the last few years. We were very happy with the number of thistles present in
- The same program has been rolled out as the last 2 years in terms of weed control and targeting phalaris and that has also been successful. We are seeing a definite reduction in weed numbers of Serrated Tussock and hopefully Spear thistle.
- Our 4 x inspection reports, included at the end of this document have been very effective and make capturing data and analysing work completed easier.

Corrective Actions and Contingency Methods

This year we attempted a winter burn - see images in final report. Unfortunately there was not enough biomass to carry a fire. The lack of Biomass was due to planned grazing. We attempted burning on a number of places all over the site but could not get a fire to carry. Photos are supplied.

We identified and handled the usual winter and spring influx of thistles. Hopefully this is a seed bed! Other paddocks on the farm are certainly becoming cleaner over time.

Other work that was required this year

- General weed control, we did three passes targeting spear thistle and Phalaris in the main, but also Fog, Brown Top and a few Briar and Wild Rose plants.
- Hard grazing to try and reduce Fog grass down from the year before. This was successful when it came to Spring but we did see a late burst of growth in January which was frustrating and difficult to control.

Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report
Warrambeen, offsets@warrambeen.com

Grazing Dates

Stock Movements

Offset area	Sheep in	No.	Sheep Out
Dacland	21/7/23	1701	28/7/23
	1/9/23	622	8/9/23
	4/10/23	682	13/10/23
	21/12/23	519	26/12/23

Biomass Control:

Excellent Biomass Control for the majority of the year

Date	Biomass Levels	Fencing Check	Actions
31 March 2023	85%	Yes	None
19 July 2023	95%	Yes	None
10 October 2023	60%	Yes	None
6 February 2024	75%	Yes	None

Weed and Pest Animal Control Work

- Phil spark undertook a spot spraying program hitting the heavily affected thistle areas using a tractor and gun. Phil estimates around 2 hectares were spot sprayed in 2 days.
- Winter 9 hours with 4 staff
- Spring 13 hours with 6 staff

Winter and Spring 2023 Weed Management Operations Report

Dacland	Spring 18/11/23	Winter 12/5/23	Actions
Spear Thistle	13,255	1368	Autumn, winter and Spring spear thistle spot spray
Serrated Tussock	213	37	
Brambles	0	11	
Briar Rose	2	0	

Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report
Warrambeen, offsets@warrambeen.com

Dacland Spot Spraying Winter & Spring 2023



**Weed Cover / Control:
Spring Cold Control Burn**



Burned fog grass, Comparison next to living fog grass, could not get burn to carry

Estimating the weed cover is very difficult for us - mainly due to the annual weeds which are hard to differentiate. Our estimate is for weed coverage in February to be around 10% made up mostly of thistles and remnant annual weeds that have died, native plants like Poa and Wallaby grass.

Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report

Warrambeen, offsets@warrambeen.com

Fox and Rabbit Control:

Shooting has occurred as per the OMP. Fox and Rabbit numbers are continually being monitored on regular landowner drive throughs. When sightings or scratchings are observed and pest control is organised by the landowner by licensed shooters. Rabbit scratchings and kangaroos observed in Summer Review.

Date	Activity	Observation	Action Required
31/01/23	Weed Control Activities	No scratchings or sightings of pest animals	Nil
28/2/23	Landowner and offsets team drive around	No scratchings or sightings of pest animals	Nil
07/06/23	Landowner and offsets team drive around	No scratchings or sightings of pest animals	Nil
28/7/2023	Shooting: James Taylor undertook an evening of spotlighting walking the offset with a torch.	Nothing was shot on the offset and one hare was sighted in the distance	Nil
01/10/23	Landowner and offsets team drive around	No scratchings or sightings of pest animals	Nil
16/11/23	Weed Control Activities	Rabbit scratchings sited, Kangaroos sighted	Continued Monitoring
6/02/24	Landowner and offsets team drive around	No scratchings or sightings of pest animals	Nil

Fencing work

No fencing work completed in 2023, all fences remain stock proof.

Management Plan 2024

With the Dacland Offset the main task is continuing our weed control efforts and grazing at the biomass levels we were able to achieve this year. A drier Spring and Summer should make a major difference to the offset area.

Again we will burn if the Offset requires it. We will undertake an inspection with Dan from Trec Land Services and decide if a Spring burning approach is appropriate.

Grazing

We will replicate this year's grazing and crash graze at least 3 x times and alter the timing based on the season.

If the season proves especially wet we will drop the number of sheep and graze for longer periods and into December and January 2025. If the season dries out we will pull the sheep off earlier to allow the Themeda and Wallaby grass plenty of time to seed.

Observations

We will inspect the Offset at least 4 times formally as well as incidental inspections as we move sheep in and out and undertake weed control efforts.

Reporting

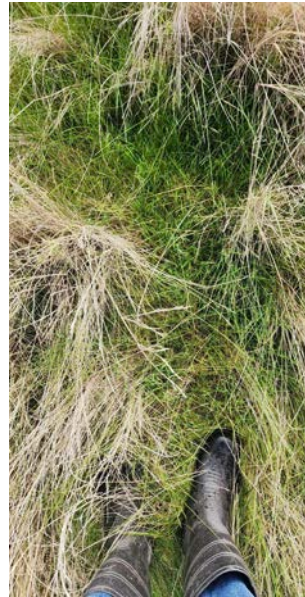
Nature's Advisory will be engaged to undertake independent monitoring and we will provide our Landowner reporting and document our grazing, shootings and all weed control efforts.

Appendix 1 Works Complete

Photo Evidence



Autumn biomass levels 85%



Winter Biomass 95%

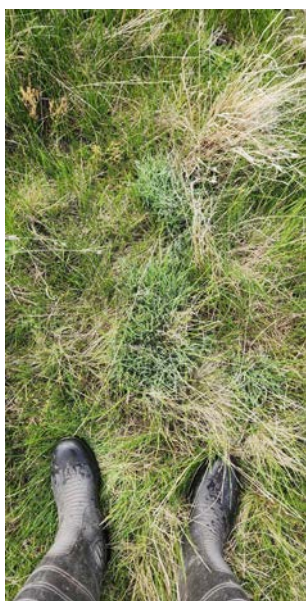


Immature fog grass



Spear grass

Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report
Warrambeen, offsets@warrambeen.com



Grazed Daisy



Winter Observation



Spring Bareground



Grazed thistle

Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report
Warrambeen, offsets@warrambeen.com



Saffron thistle



Cold burn spring



Thistle patch Spring



Spring observation



Brown top bent

Appendix 2 Photo Points

Photographs –Taken 1/4/23

362



365

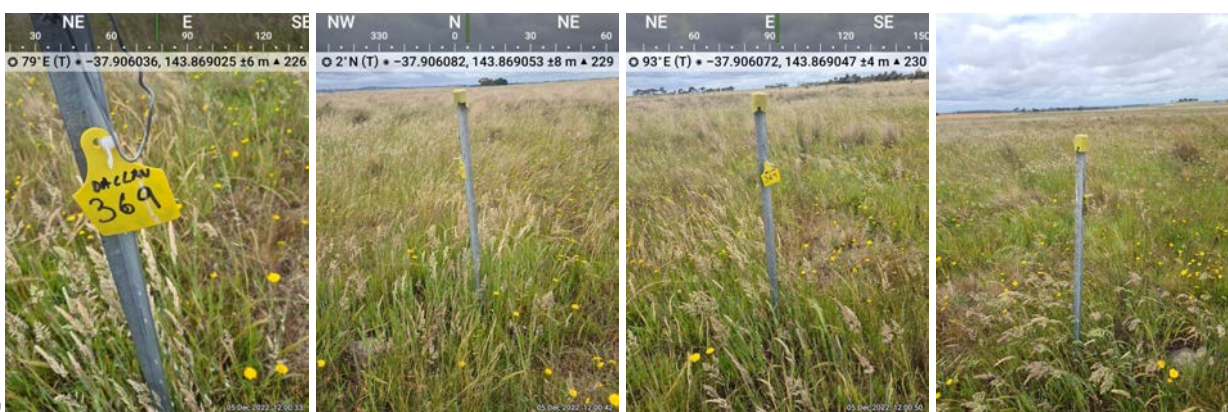


Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report
Warrambeen, offsets@warrambeen.com

368

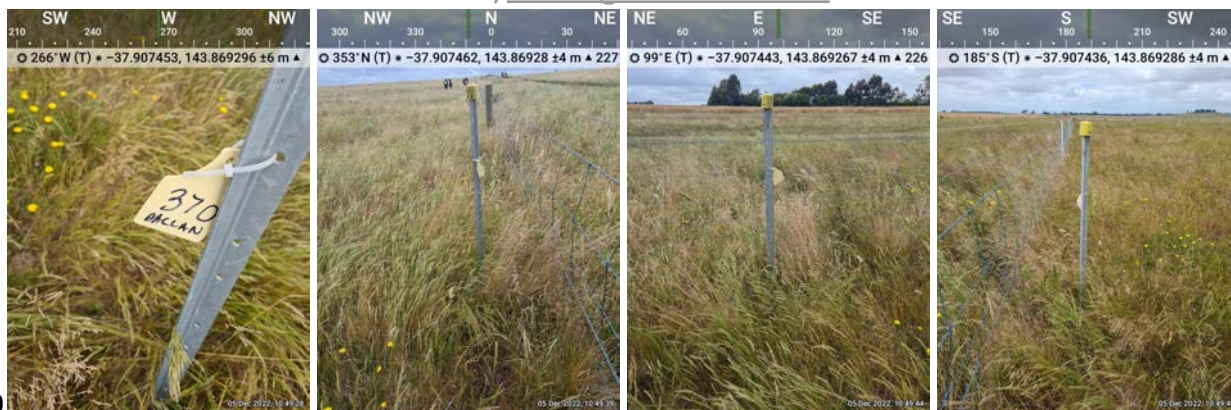


369



Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report
Warrambeen, offsets@warrambeen.com

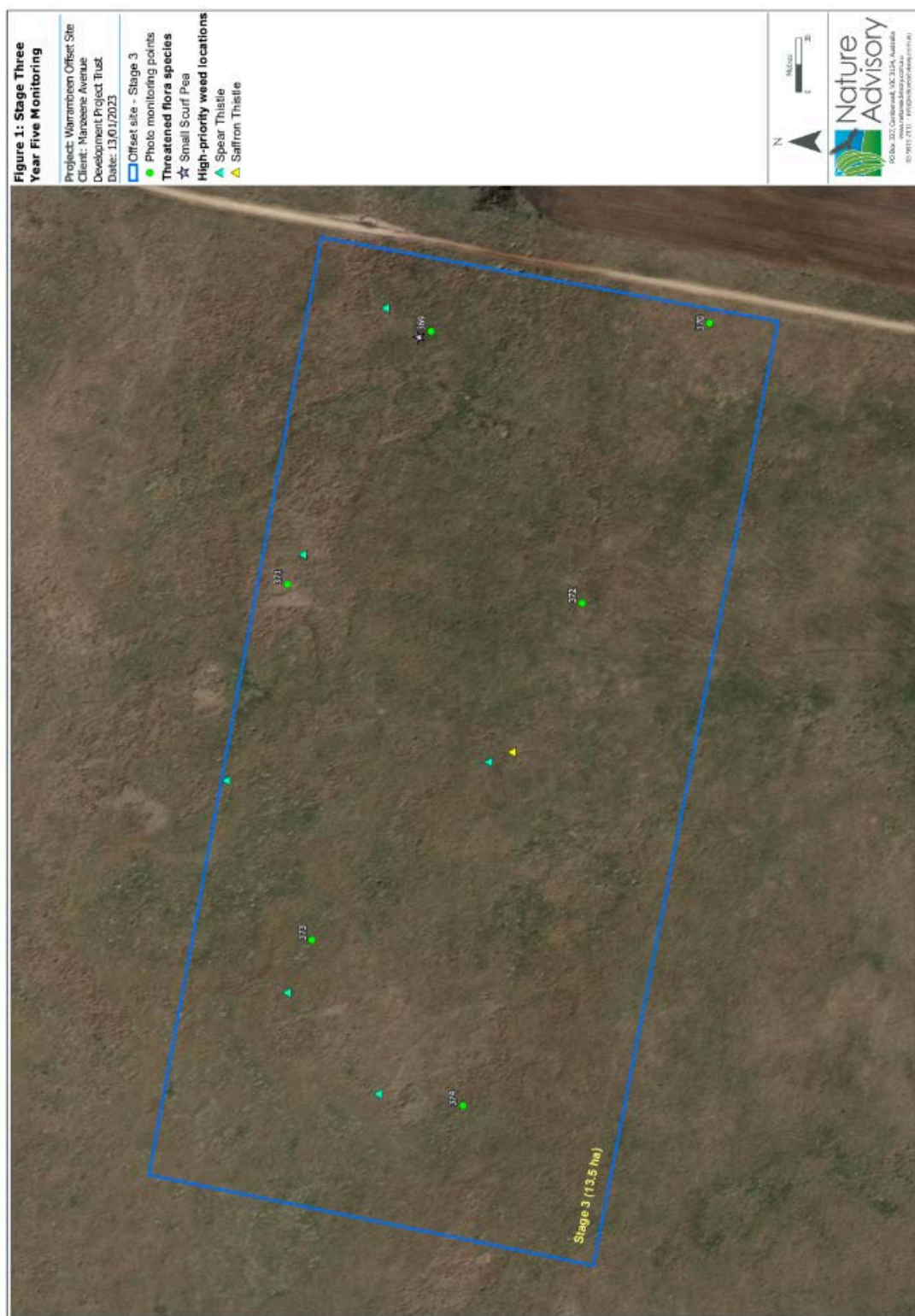
370



371



Appendix 3: Monitoring Map from Nature Advisory



Appendix Four: Management action tables

Management Action	Target to be achieved	Responsible person	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Rabbit Control to be carried out if required – Fumigate and collapse burrows where present or shooting	<5% survival of target; <2% death of non target species.	Warrambeen Gumley Land Trust		Completed Throughout the year, shooting events organised as required				X	
Weed control: - Treat high threat woody weeds as per Table 11; - Treat other weeds species if required.	- Cover of each high threat woody weed species reduced to <1%; - Cover of each weed species maintained at year 1 level - High threat weed cover benchmark* not exceeded; - Overall weed cover benchmark* not exceeded.	Warrambeen Gumley Land Trust	X	Weed Control happened throughout the year; 22/02/22, 12/08/22 & 5/12/22			X	X	X
Monitoring: - Estimate overall weed cover and cover of each high threat woody weed species (refer to Table 11); - Take pictures at photo points; - Assess integrity of offset zone fencing; - Assess level of grazing pressure; - Monitor compliance with land-use commitments and other management commitments.	Monitoring results to be documented and retained for reporting purposes. Results should also inform management approaches and techniques.	Ecologist		Nature Advisory attended the site 11/01/23					X
Fence maintenance to be carried out if required	Integrity of fencing maintained to exclude entry of threatening herbivores	Warrambeen Gumley Land Trust	X	All fences checked regular on a farm schedule but also on landowner reviews 4 times a year			X		X
Biomass Control: - Sheep to be moved onto site in mid summer and removed before autumn rains - Possibly subdivision of the site through electrical fencing to apply crash grazing for short periods and ensure no species are taken out selectively by sheep - Small areas (< 4 ha) could be burned in consultation with the ecologist	- No soil pitting caused by sheep. - Vegetation cover to remain >10cm high with no more than 30% bare ground.	Warrambeen Gumley Land Trust	X	This is occurring regularly, please see landowner report			X	X	X
Report to be prepared documenting management actions undertaken and monitoring results. Report structure and content to be prescribed by DoE and the Responsible Authority.	Report delivered to the Responsible Authority and DoE no later than three months after the due date.	Warrambeen Gumley Land Trust/ Ecologist		March 2023					X

Appendix Six- Quarterly Reports

Review of Offsets

Offset Site: Dacland Offset Year: 7,6,5

Date of review: 31 March 2023

Name (Landowner Authorised Delegate): Phil and Nicole

Position: Owner and Delagates

Fencing: Good/ Damaged?

Good condition, sheep proof

Weed coverage observations:



Phalaris northern end, weed cover looking ok.

Spear thistle still needs more work to reduce seed bank

Biomass observations:

Biomass 85%

Grazing required

Pest sighted? No If yes state what _____

Sheep currently in offset? ~~Yes~~ No

Overall state of offset:

Overall, we are happy with the offset.

Any other notes/comments/difficulties experienced?

Date last review was conducted: 12 December 2022

Signature: Nicole Wilks

Date: 26/04/23

Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report
Warrambeen, offsets@warrambeen.com

Review of Dacland Stages Offset 2023

Report #Stage 1-Yr8, Stage 2-Yr7 Stage 3-Yr 6-2023-Winter-Dacland Stages 1,2 &3

Winter Review of Dacland Stages Offset VEG

James Taylor

Review of Dacland Stages Offset 2023- Report #Stage 1 Yr8, Stage 2-Yr7 Stage-3 Yr6-2023

Location: 860 Paddock, Shelford Rd, Victoria

Date of Inspection: 19 July 2023 Previous Inspection: 31 March 2023

Name: (Landowner / Team Member): Jamie and Phil

Review

Observations	Information
Fencing	Stock Proof
Weed Coverage	Moderate
Biomass	95%
Pest Sightings	None
Overall State of Offset	Moderate
Grazing	Light

Weed Coverage

- Spear grass in the southern end and immature fog grass.
- grazed daisies and flatweeds have been recorded, Phalaris.
- Serrated tussock location has been marked on the fence.

Grazing

Planned grazing in spring, implementing hard grazing for fog and flatweed control in the southern part of the area. Additionally, a light graze has been conducted throughout Dacland in winter. Cool burn planned for spring 2023

Offset area	Sheep in	No.	Sheep Out
Dacland	21/7/23	1701	28/7/23

Biomass Observations

The overall coverage of biomass in the area is nearly 95%. There are also patches of Sheep spur present, there is an 80% vegetation coverage of native grass north of Dacland.

Overall State of Offset

The overall state of the offset in Dacland is currently assessed as moderate.

Notes

Specific biomass observations highlight the need for attention to fog grass and flatweeds, particularly given the presence of serrated tussock within the fog grass.

Successes & Challenges

- Successes presence of native grass coverage.
- Challenges with speed grass, immature fog grass, flatweeds, and serrated tussock.
- Success 80% vegetation coverage of native grass in the northern part of Dacland

Management Actions

Weed Control: planned spring spot spraying set to commence.

Winter 2023 Dacland Operations Report

- 30 Hectares
- Weed Count
 - Spear thistle 1368
 - Serrated tussock 37

Warrambeen Pty Ltd

Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report
Warrambeen, offsets@warrambeen.com

Report Stage 1-110, Stage 2-11 / Stage 3-11 0-2023-Warrambeen-Dacland Stages 1,4 003

- Brambles 11
- Briar rose 2
- Biomass 85%
- Total hours 9
- Actions required
 - Continue grazing strategies.

Dacland Winter Spot Spray 18/9



Photo Evidence



Spear Grass southern end

Immature fog grass, future graze

Warrambeen Pty Ltd

offsets@warrambeen.com

Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report

Warrambeen, offsets@warrambeen.com

REVIEW OF SPRING DACLAND STAGES OFFSET 2023

Report #Stage 1-Yr8, Stage 2-Yr7 Stage 3-Yr 6-2023-Spring-Dacland Stages 1,2 &3

Spring Review of Dacland Stages Offset VEG

James Taylor

Review of Dacland Stages Offset 2023- Report #Stage 1 Yr8, Stage 2-Yr7 Stage 3-Yr6-2023

Location: 860 Paddock, Shelford Rd, Victoria

Date of Inspection: 10/10/2023 **Previous Inspection:** 19 July 2023

Name: (Landowner / Team Member): Jamie and Phil

Review

Observations	Information
Fencing	Stock Proof
Weed Coverage	Moderate-low
Biomass	60% biomass 40% bare ground
Pest Sightings	None
Overall State of Offset	Satisfactory
Grazing	Yes

Weed Coverage

- Thistle areas after spot spray observed,
- Overall successful thistle control.
- Attention was given to parts of offset after winter spot spray was completed to attack small thistles and any spear thistle observed and marked.

Grazing

Hard target graze was used benefiting any invasive species, Excellent flat weed control post grazing

Biomass

60% Vegetation cover, 2023 was used as an opportunity to control all fog grass and continued with hard grazing.

Overall State of Offset

Satisfactory, very happy with the impact of winter spot spray and an intensive graze to break the annual cycle, the aim for more bare ground with heavy grazing was successful.

Successes & Challenges

- Challenge in cool burn, not enough dry matter for an effective burn in Dacland. Effective on fog grass.
- Grazing effective on fog grass phalaris and flatweed
- No brambles with successful phalaris and fog grass control through weed spray and intensive grazing.
- Successful in stock grazed phalaris

Grazing Dates

Offset area	Sheep in	No.	Sheep Out
Dacland	1/9/23	622	8/9/23
	4/10/23	682	13/10/23

Management Actions

Weed Control: Winter spot spraying 2024 set to commence to manage young thistle.

Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report
Warrambeen, offsets@warrambeen.com

Review of SPRING Dacland Stages Offset 2023

Report #Stage 1-Yr8, Stage 2-Yr7 Stage 3-Yr 6-2023-Spring-Dacland Stages 1,2 &3

Control Patch Burn



Burned fog grass, Comparison next to living fog grass

Spring 2023 Dacland Operations Report

- 30 Hectares
- Weed Count
 - Spear thistle 13,255
 - Serrated tussock 213
 - Briar rose 2
- Biomass 70%
- Total hours 13
- Actions required
 - Continue grazing strategies.
 - Winter spear thistle spot spray

Spring Spot Spray



Annual Dacland Stage 1 Year 8, Dacland Stage 2 Year 7, Dacland Stage 3 Year 6 Report

Warrambeen, offsets@warrambeen.com

Review of Dacland Stages Offset 2023

Report #Stage 1-Yr8, Stage 2-Yr7 Stage 3-Yr 6-2023-Summer-Dacland Stages 1,2 &3

Summer Review of Dacland Stages Offset VEG

James Taylor

Review of Dacland Stages Offset 2023- Report #Stage 1 Yr8, Stage 2-Yr7 Stage 3-Yr6-2023

Location: 860 Paddock, Shelford Rd, Victoria

Date of Inspection: 6 February 2024 **Previous Inspection:** 10 October 2023

Name: (Landowner / Team Member): Jamie and Phil

Review

Observations	Information
Fencing	Stock Proof
Weed Coverage	Medium
Biomass	75%
Pest Sightings	Rabbit scratchings and kangaroos
Overall State of Offset	Satisfactory
Grazing	Yes

Weed Coverage

Patches of phalaris, strong numbers of Phoa tussock, good areas of spear grass

Grazing

Grazed techniques successful, spring control of spear thistle

Biomass and Bare Ground

75%biomass with 25% bare ground

Grazing Dates

Offset area	Sheep in	No.	Sheep Out
Dacland	21/12/23	519	26/12/23

Successes & Challenges

- Success in strong Phoa tussock numbers
- Success in grazing management techniques
- Challenge in patches of phalaris

Management Actions

Weed Control:

- Winter spot spray patches of phalaris