

**Landowner(s):** Kinrara Pty Ltd

**Site Reference:** C1626\_1 (Year 9), C1626\_2 (Year 7); CA 37A, CA 48C & CA48E.

Year	Site and Zone(s) (e.g. 001/A)	Management Actions to be completed (These actions are found listed in the Offset Management Plan appended to your Deed of Covenant)	Actions completed this year (yes/no) (if no state % completed)	Timing (What time of year?)	Description of Action (What method of control did you use?)	Supporting Documents (e.g. photos, receipts)	Comments and Observations (Have you noticed any changes in the vegetation, fauna or other features of the site e.g. have you found new species, have the weed/pest increased/ decreased/ remained the same?)
1	C1626_1	<b>Stock exclusion:</b> Remove all stock from the property. Upgrade existing fences/ Install fencing where required to ensure site remains stock free.	N/A (completed Year 1)	Within 3 months of Deed Registration			
1-10	C1626_1 C1626_2	<b>Stock exclusion:</b> Monitor and maintain fencing to ensure offset site remains stock free.	Yes	Continuous	Fencing is monitored and maintained across the property. Minor repairs were required this reporting year.		Sheep are used to manage the biomass as per the guidelines for the Golden Sun Moth. Sheep are excluded from the property from 1 <sup>st</sup> August each year until 31 <sup>st</sup> January.
		<b>Pepper tree:</b> Cut and remove standing shrubs. Paint cut stumps with undiluted herbicide. Spot spray regeneration and seedlings.	Yes	Spring and early summer	Cut and paint.	See photopoint report	A single pepper tree sapling was found. We continue to monitor for seedlings. A large old pepper tree remains on the site.
		<b>African Boxthorn:</b> Cut and remove standing shrubs. Paint cut stumps with undiluted herbicide. Spot spray regeneration and seedlings.	Yes	Spring and early summer	Cut and paint, and manual removal.	See photopoint report.	Small numbers of regrowing boxthorn continue to appear. All large boxthorn have been removed.
1-10	C1626_1 C1626_2	<b>Wild Sage:</b> Spot spraying appropriate herbicide to prevent seeding. Cover at inception: 1%	Yes	Spring and early summer	Controlled grazing of sheep and manual removal.	See photopoint report.	Sheep have been quite effective at preventing wild sage from increasing above 1%.



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		<b>Heron's-bill:</b> Spot spraying appropriate herbicide to prevent seeding. Cover at inception: 2%	Yes	Spring and early summer	Controlled grazing of sheep.		Sheep have been quite effective at preventing heron's-bill from increasing above 2%.
		<b>Onion-grass:</b> Controlled pulse grazing by sheep to prevent seed set. Cover at inception: 5%	Yes	Spring and early summer	Controlled grazing of sheep		Sheep are effective at controlling onion weed.
		<b>Oats:</b> Controlled pulse grazing by sheep to prevent seed set. Spot spraying appropriate herbicide to prevent seeding. Cover at inception: 1-5%	Yes	Spring and early summer	Controlled grazing of sheep		Sheep are effective at controlling oats over winter.
		<b>Ryegrass:</b> Controlled pulse grazing by sheep to prevent seed set. Spot spraying appropriate herbicide to prevent seeding. Cover at inception: 1-5%	Yes	Spring and early summer	Controlled grazing of sheep		Sheep are effective at controlling rye over winter.
		<b>Toowoomba Canary-grass:</b> Spot spraying appropriate herbicide. Cover at inception: 1-5%	Yes	Early Spring	Controlled grazing of sheep		Sheep are effective at controlling Toowoomba Canary-grass.



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		<b>Spear Thistle:</b> Spot spraying appropriate herbicide (prevent flowering). Cover at inception: 1-5%	Yes	Spring and early summer	Manual removal.	See photopoint report	This year we manually removed small numbers of thistles.
		<b>New and emerging weed control:</b> Monitor for new and emerging weeds and eliminate any found.	Yes	Continuous	Manual removal of horehound in June 2020. Manual removal of nightshade in November 2020. Spot sprayed small clusters of Brassica under larger old trees.	See photopoint report	One gazania was found in the previous reporting year but no further plants have been spotted this year. Sea lavender and heliotrope were noted this year, particularly around the dam.
	C1626_1 C1626_2	<b>Rabbit control:</b> Monitor rabbit population and control by fumigating and hand-collapsing warrens and baiting or shooting.	Yes	Summer – Winter	Monitoring. Fumigation and collapsing of burrows.	See photopoint report	Six burrows were fumigated and collapsed in June 2020. In this same area, a further six burrows treated in November 2020, and then in March 2021. In May 2021, no burrows had re-opened. Shooters patrol regularly as rabbits are common in the landscape.
	<b>Hare control:</b> Monitor hare population and control by fumigating and hand-collapsing warrens and baiting or shooting.	Yes	Summer – Winter	Monitoring. No control action taken.		No sightings or evidence of hares was noted. Shooters are aware of hares as a potential threat on the property.	
	<b>Cat control:</b> Monitor cat population and control using techniques which apply to the local conditions.	Yes	Summer – Winter	Monitoring. No control action taken.		No sightings or evidence of cats. Shooters are aware of cats as a potential threat on the property.	



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	C1626_1 C1626_2	<b>Fox control:</b> Monitor fox population and control by fumigating and hand-collapsing dens and baiting/shooting.	Yes	Summer/ Autumn	Monitoring. No control action taken.		Three foxes were seen on separate occasions. There are no active dens on the site. One suspected den was collapsed in December. Shooters and Cassinia staff patrol and monitor for pest animals on each site visit.
		<b>Other pest control:</b> Monitor for new and emerging pest animal species and control any found	Yes	Continuou s	Monitoring. No action taken.		No other pest animals noted on the property this year. Shooters and Cassinia staff patrol will continue to monitor for pest animals on each site visit.
	C1626_2	<b>Biomass Management:</b> Biomass management in the form of pulse grazing will be conducted when required only with a Letter of Approval from Trust for Nature.	Yes	Late Summer- early Spring	Grazing.		As per the requirements of the Golden Sun Moth, sheep are present on the property between February and July.
		<b>Biomass Management:</b> Biomass management in the form of burning will be conducted if required in consultation with Trust for Nature. No patch is to be burnt more than once every 3 years.	No	As required in Autumn- Spring	No action taken.		As discussed with TfN, we will not use burning to control biomass, and continue with grazing. Moving from grazing to a fire regime could alter the composition of species with a negative impact on biodiversity.
C1626_1; 001/C 001/D 002/C 003/B	<b>Revegetation:</b> Order seeds/tubestock	N/A Completed in prior years.				See previous reports regarding revegetation. After the 2011 floods, TfN decided the recruitment numbers were	



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							sufficient to meet the revegetation targets required.
	C1626_1; 001/C 001/D 002/C 003/B	<b>Revegetation:</b> Prepare site for planting by ensuring pest animals controlled. Weeds should be treated in the planting area at least twice prior to planting.	N/A Completed in prior years.				As indicated in this report, the whole property is managed for pest plants and animals in an ongoing way.
	C1626_1; 001/C 001/D 002/C 003/B	<b>Revegetation:</b> Plant 5650 plants across the site to achieve minimum survival targets (replant and water as required).	N/A Completed in prior years.				
	C1626_1; 001/C 001/D 002/C 003/B	<b>Revegetation:</b> Achieve minimum survival targets (replant and water as required).	Yes		A final Assessment has been requested by Cassinia to confirm the revegetation (natural regeneration) remains equal to or above the targets.	See photopoint report.	The Triennial Assessment completed by TfN in Year 4, June 2016, noted; <i>"There has been substantial recruitment of overstorey (Black Box trees) and chenopods, herbs, grasses and some shrubs. The owners have monitored and discussed with Nathan Wong, Grassy Ecosystem Coordinator in TfN, in regards to whether any planting of seeds and seedlings will be required. At this stage it is not required."</i>



**CASSINIA**  
ENVIRONMENTAL




**NOTES/COMMENTS:**

The Photopoint Report has been submitted for C1626\_1 and C1626\_2 jointly.

The Golden Sun Moth Survey 2020 Report has also been submitted, and should be read in conjunction with this report.

I hereby declare that the supplied information contained within this report is accurate and complies with all the reporting requirements under the Offset Management Plan.

Signed: 

Name: Paul Dettmann

Date: 18 May 2021