

Management Plan. (1)



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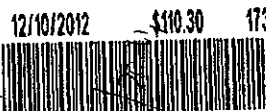
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Appendix 1 – Management Action Table

Table A1.1. Management Action Table for the Mount Mercer Wind Farm Pty Ltd offset site.

Year	Action	Offset Zone	Management action	Resource/ personnel required	Timing of action	Key performance target	Completed (Yes/No)	Date
1	1.1	Entire offset site	Approve Offset Management Plan	Liaise between the landholder, SEWPaC and DSE	Pre commencement of any works associated with the vegetation management plan.	Site and vegetation management plan approved by relevant parties.	YES	-
1	1.2	Entire offset site	Arrange details of the on-title agreement over the proposed offset site to ensure the site cannot be developed in the future or used for other offsets.	Liaise between the landholder, SEWPaC and DSE	Pre commencement of any works associated with the vegetation management plan.	Security option approved by DSE	YES	-
1	1.3	Entire offset site	Acquire baseline monitoring data and initiate offset management plan	Suitably qualified ecological specialist	First year	Report submitted to appropriate authority	YES	2011.
1	1.4	Entire offset site	Conduct systematic weed control for all weed species	Bushland Management Contractor/ Landowner	Refer Table 2	Maintain weed levels below 25%	YES	Dec/2011
1	1.5	Entire offset site	Monitor for populations of feral animals such as rabbits and conduct control works if required.	Pest Animal Contractor/ landowner	After peak breeding season - late summer/early autumn.	No detrimental impact on values from pest animals and reduced pest numbers	YES	Dec/2011

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Year	Action	Offset Zone	Management action	Resource/personnel required	Timing of action	Key performance target	Completed (Yes/No)	Date
1	1.6	Entire offset site	Monitor organic litter density and control biomass outside GSM core active period (October - January)	Landowner	Late summer - Autumn	Maintain at least 70% vegetation cover and adhere to seasonal spelling	YES	DEC 2011
1	1.7	Entire offset site	Monitor, Golden Sun Moth populations and associated habitat (i.e. biomass levels and weed levels)	Qualified ecologist on behalf of MMWF or Landowner	Late October to early January	Undertake population and habitat management as required (Section 3.4)	YES	Refer Appendix (2) 2011

2	2.1	Entire offset site	Conduct systematic weed control for all weed species	Bushland Management Contractor/Landowner	Refer Table 2	Maintain weed levels below 25%	YES	DEC SPRING 2011
2	2.2	Entire offset site	Monitor, Golden Sun Moth populations and associated habitat (i.e. biomass levels and weed levels)	Qualified ecologist on behalf of MMWF or Landowner	Late October to early January	Undertake population and habitat management as required (Section 3.4)	Refer to letter No.	12/10/2012 \$110.30 173
2	2.3	Entire offset site	Monitor organic litter density and control biomass outside GSM core active period (October - January)	Landowner	Late summer - Autumn	Maintain at least 70% vegetation cover and adhere to seasonal spelling	YES	March 2011
2	2.4	Entire offset site	Monitor for populations of feral animals such as rabbits and conduct control works if required.	Pest Animal Contractor/landowner	After peak breeding season - late summer/early autumn.	No detrimental impact on values from pest animals and reduced pest numbers	YES	SP 2011
3	3.1	Entire offset site	Conduct systematic weed control for all weed species	Bushland Management Contractor/Landowner	Refer Table 2	Maintain weed levels below 25%	YES	SPRING 2011

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Appendix 1 – Management Action Table

Table A1.1. Management Action Table for the offset site to meet targets in the OMP.

Year	Action Number and Type	Management action	Resource/personnel required	Timing of action	Key performance target	Completed (Yes/No)	Date
1	1.1- Offset Plan	Approve Offset Management Plan	Liaise between the landholder, Golden Plains Shire and DSE	Pre commencement of any works associated with the vegetation management plan.	Site and vegetation management plan approved by relevant parties.	YES	2011
1	1.2- Security	Arrange details of the on-title agreement over the proposed offset site to ensure the site cannot be developed in the future or used for other offsets.	Liaise between the landholder, Golden Plains Shire and DSE	Pre commencement of any works associated with the vegetation management plan.	Security option approved by DSE	YES	2011
1	1.3- Monitoring	Acquire baseline monitoring data and initiate offset management plan	Suitably qualified ecological specialist	First year	Report submitted to appropriate authority	YES	2011 repl
1	1.4- Weed Management	Conduct systematic weed control for all weed species	Bushland Management Contractor/ Landowner	Refer Table 13	Reduce weed levels below 1% for woody weeds and 5% for herbaceous weeds	YES	Spring 2011
1	1.5- Pest Animal Management	Monitor for populations of feral animals such as rabbits and conduct control works if required.	Pest Animal Contractor/ landowner	After peak breeding season - late summer/early autumn.	No detrimental impact on values from pest animals and reduced pest numbers	YES 20	ongoing June Dec
1	1.6- Biomass Management	Monitor organic litter density and control biomass	Landowner	Late summer - Autumn	Maintain at least 70% vegetation cover and adhere to seasonal spelling	YES	SPRING 2011.
2	2.1- Weed Management	Conduct systematic weed control for all weed species	Bushland Management Contractor/ Landowner	Refer Table 13	Reduce weed levels below 1% for woody weeds and 5% for herbaceous weeds	YES	SPRING 2011.

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Year	Action Number and Type	Management action	Resource/personnel required	Timing of action	Key performance target	Completed (Yes/No)	Date
2	2.2- Biomass Management	Monitor organic litter density and control biomass	Landowner	Late summer - Autumn	Maintain at least 70% vegetation cover and adhere to seasonal spelling	YES	DEC 2012
2	2.3- Pest Animal Management	Monitor for populations of feral animals such as rabbits and conduct control works if required.	Pest Animal Contractor/ landowner	After peak breeding season - late summer/early autumn.	No detrimental impact on values from pest animals and reduced pest numbers	YES	SPRING 2011.
3	3.1- Weed Management	Conduct systematic weed control for all weed species	Bushland Management Contractor/ Landowner	Refer Table 13	Reduce weed levels below 1% for woody weeds and 5% for herbaceous weeds		
3	3.2- Biomass Management	Monitor organic litter density and control biomass	Landowner	Late summer - Autumn	Maintain at least 70% vegetation cover and adhere to seasonal spelling		
3	3.3- Monitoring	Monitor and assess works, and prepare progress report	Suitably qualified ecological specialist	Three years after commencement of works.	Progress report submitted to appropriate authority		
3	3.4- Pest Animal Management	Monitor for populations of feral animals such as rabbits and conduct control works if required.	Pest Animal Contractor/ Landowner	After peak breeding season - late summer/early autumn.	No detrimental impact on values from pest animals and reduced pest numbers		
4	4.1- Weed Management	Conduct systematic weed control for all weed species	Bushland Management Contractor/ Landowner	Refer Table 13	Reduce weed levels below 1% for woody weeds and 5% for herbaceous weeds		
4	4.2- Biomass Management	Monitor organic litter density and control biomass	Landowner	Late summer - Autumn	Maintain at least 70% vegetation cover and adhere to seasonal spelling		
4	4.3- Pest Animal Management	Monitor for populations of feral animals such as rabbits and conduct control works if required.	Pest Animal Contractor/ Landowner	After peak breeding season - late summer/early autumn.	No detrimental impact on values from pest animals and reduced pest numbers		

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Appendix 2 – Targeted Golden Sun Moth survey results

Table A2.1. Golden Sun Moth survey results within the offset site (2010/11 flight period)

Known GSM reference site (distance from study area)	Surveyor	Date	Survey Times	Temperature (9am and 3pm)	Wind (0-3)	Cloud cover (%)	No. of days since rain	No. GSM
Avalon, Victoria (45km)	Jenna Forbes and Kim Weston	23/12/2010	1400 - 1500	18°C	1	20	1	0
Avalon, Victoria (45km)	Jenna Forbes	30/12/2010	1330 - 1530	18°C	1	15	3	0
Flying on-site	Jenna Forbes and Ian Taylor	6/01/2010	1330-1414	18°C	1	5	7	23
Flying on-site	Clio Gates Foale	20/01/2011	1100 - 1500	17°C	0	0	5	7

From Management Action item 2.2-

Note from Ian Taylor.
 Due to confusion about employing a trained ecologist, no monitoring was done by a qualified person for GSM. This was a genuine mistake by Warrabeen and will be undertaken correctly in the future, signed Ian Taylor.

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