Currawong Farm

Bushland Vegetation Snapshot Habitat Survey

Eco-restoration planning as part of Gondwana Link





September 2019- Draft Report

This project has been supported Koorabup Trust, Bush Heritage Australia and Gondwana Link Ltd.



ACKNOWLEDGEMENTS

Green Skills gratefully acknowledge the landholders of Currawong, Jeremy and Linda Stefani, as well as Angela Sanders (Bush Heritage Australia Regional Ecologist), Jane Thompson (local landholder and bush enthusiast) for their time, expertise and knowledgeable contribution to these surveys and for their long-term commitment to the conservation and restoration of the Gondwana Link landscape: <u>http://www.gondwanalink.org/</u>

This project has been supported by the Koorabup Trust, Bush Heritage Australia and Gondwana Link Ltd

This report was prepared by Melissa Howe B.Sc. (Environmental Management) and Basil Schur, Green Skills Project Manger with feedback from Jeremy Stefani, Angela Sanders and Jane Thompson. Maps for the report were prepared by Maren Heckel. Photography from the Survey by Basil Schur.

Cover Photo: Survey team in Currawong Bushland Remnant #85. This area is regrowth from previously been cleared and is of very high floral species diversity and thus included in proposed fencing projects. Photo by Basil Schur

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INTRODUCTION

A snapshot survey of remnant vegetation sites on Currawong Farm was undertaken on Monday 9th September 2019 by a Survey team to identify, prioritise and recommend future eco-restoration works and management actions to be conducted on the property as part of Green Skills and Gondwana Link Program: <u>https://greenskills.org.au/</u> and <u>http://www.gondwanalink.org/</u>

The land holders, Jeremy and Linda Stefani are lessees of Currawong. The property address is 1799 Boxwood Hill-Ongerup Road, Monjebup (Lot 1856 on Deposited Plan 209446). The whole property is approximately 988.0032 hectares (9,880,032 m²) (Landgate, 2019). The area of property surveyed is situated on one land title and is located within the Shire of Jerramungup, the majority of which has been cleared for broad scale agriculture. In 2002, it was estimated that 43.8% (287,902 hectares) pre-European vegetation remained within the Shire of Jerramungup (Shepherd et al., 2002) (see Maps: Figure 1 & 2).

Approximately 714 hectares (72%) of the property has been cleared for agricultural activities. This includes almost 100 hectares of regrowth vegetation in the south-east corner of the property that was originally cleared in the late 1990's and re-cleared in 2012 but this may regenerate naturally if allowed.

Approximately 276 hectares (28%) of remnant and regrowth vegetation remains (see Appendix 1). It is the land managers' intent that the property's remnant vegetation, including waterways, be retained and predominantly managed for conservation.

This survey has identified priority areas for conservation by recommendation of retention of remnant bushland complemented by fencing and revegetation projects with a focus on areas deemed suitable for threatened and priority fauna species including Carnaby's Black-cockatoo (Endangered), Mallee fowl (Vulnerable) and Tammar Wallaby (Priority 4). The property has been identified by Gondwana Link as a priority area for restoration within the Fitzgerald River National Park to Stirling Ranges Conservation Action Plan (Gondwana Link, 2008) (see Maps: Figure 3).

The property is contained between Boxwood Hill-Ongerup Road on the northern boundary, adjacent to Corackerup Nature Reserve (4,500 hectares remnant vegetation) managed by the Department of Biodiversity, Conservation and Attractions (DBCA) and vested in the Western Australian Conservation and Parks Commission; privately-owned grazing and cropping farmland on the southern and eastern boundaries; and Monjebup (2,063 hectares) and Monjebup North Reserve to the west of the property, separated by Monjebup Road. Red Moort Reserve, a large intact area of remnant vegetation of approximately 1,037 hectares, owned and managed by Bush Heritage Australia, is situated south of the property separated by one other private property (see Maps: Figure 4).

Currawong is in the Esperance Plains IBRA region and Fitzgerald IBRA sub-region (Atlas of Living Australia, 2019), a region renowned for its high floristic diversity. The remnant vegetation contained on the property is extremely diverse incorporating numerous vegetation types including Mallee heath, shrubland, Moort Woodland, Moort and Mallet Woodland, Riparian Yate Woodland and a mosaic of woodland and Mallee heath.

The closest weather station to the property is Naylerlup Weather Station (Station no. 10897) which reports an average annual rainfall of 452.6 mm for all years recorded from 1984 to 2018. Annual rainfall recorded in 2018 was 306 mm (Bureau of Meteorology, 2019).

The property lies between 112 and 170 metres above sea level in the Monjebup subcatchment of the Pallinup River System. There is approximately 4.5km of a main tributary of the Monjebup Creek that runs through the property and eventually flows into the Pallinup River. This creek flows seasonally, flowing mainly after prolonged or heavy rainfall events, and there are no permanent pools evident on aerial photographs. Several minor drainage lines also occur through the property (Bush Heritage Australia, 2013).

The Pallinup River is one of the one of the largest rivers in the south coast region. The headwaters begin south of Katanning and travel through the Shire of Gnowangerup, Wellstead and Boxwood Hills districts to eventually reach the Beaufort estuary within the Shire of Jerramungup and some 250 kilometres downstream (South Coast Rivercare, 2008).

The average annual rainfall within the Pallinup River catchment ranges from 400-600 millimetres.

The recommended management actions within this report have been developed in consultation with Green Skills and the land holders.

SURVEY TEAM

- Basil Schur Green Skills Inc. Project Manager
- Melissa Howe Ecologist, contracted by Green Skills Inc.
- Angela Sanders Ecologist, Bush Heritage Australia
- Jane Thompson Local resident and bush enthusiast
- Project Officers attending from community landcare groups
 - Freya Spencer Executive Officer, Gillamii Centre and North Stirlings-Pallinup Natural Resources Inc.
 - o Leonie McMahon Executive Officer Fitzgerald Biosphere Group
 - o Reaghan Shalders, Projects Officer Fitzgerald Biosphere Group

SURVEY METHODOLOGY

A rapid bushland vegetation assessment survey was undertaken on Currawong by the Survey team assessing a range of core attributes for remnant vegetation sites (see Appendix 1: Remnant Vegetation Sites).

Core attributes selected and assessed included vegetation type, vegetation condition, size and perimeter of the remnant vegetation, presence of Threatened, Specially Protected and/or Priority flora and fauna species, presence of wetlands or waterways, connectivity to other vegetation and observed or potential disturbances and threats.

Numerous remnant vegetation sites were connected to other areas of remnant vegetation on the property and across adjacent properties.

The sites containing remnant vegetation were assessed for their vegetation condition. The vegetation condition assessment was adapted from the Keighery Condition Scale (Keighery, 1994) based on a rating of 1 (Very degraded) to 5 (Excellent) (see Appendix 2: Vegetation Condition Scale).

Vegetation types were identified using Beard vegetation associations (Beard et al, 2013).

Subsequently, a priority rating was assigned to each site ranging from Very High to Low for future eco-restoration works and management actions based on a subjective review of each site's overall core attributes.

Management recommendations and reasons for priority ratings were attributed to each site. Photos were taken for each site assessed and mapped (see Summary of Vegetation Surveys and Recommendations below).

Proposed fencing and revegetation projects identified as a priority for the property were mapped (see Maps: Figures 6 to 18).

Data collected was recorded electronically on vegetation survey templates developed by the Survey team for this assessment.

MAPS



Figure 1: Aerial photo of Currawong – Stephani farm – 1799 Boxwood Hill-Ongerup Road, Monjebup, WA

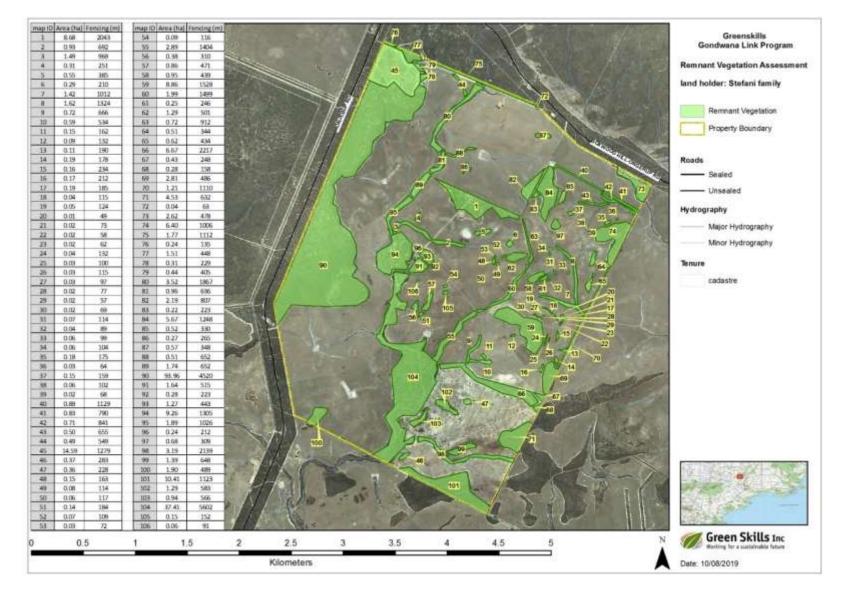


Figure 2: Currawong – Stephani farm – Green Skills Gondwana Link Program – Remnant Vegetation sites

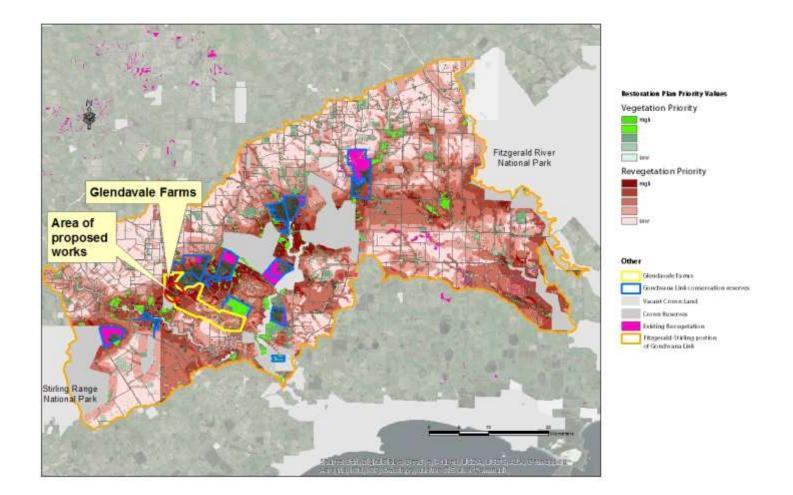


Figure 3: Fitzgerald River National Park to Stirling Range National Park Conservation Action Plan – Priority areas for restoration

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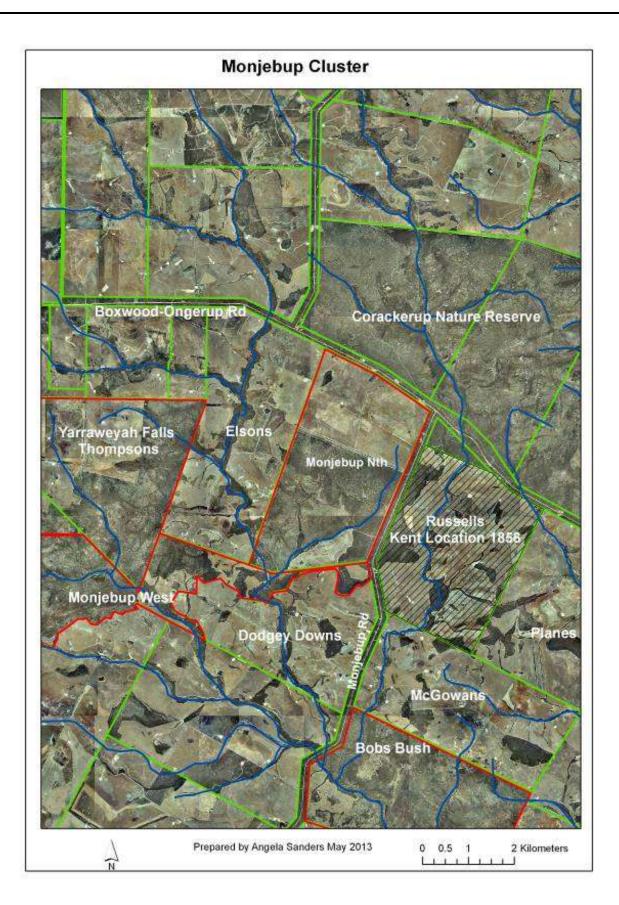


Figure 4: Location of Currawong – Stephani farm within the Fitz-Stirling area (formerly known as Russells, Kent Location 1856)

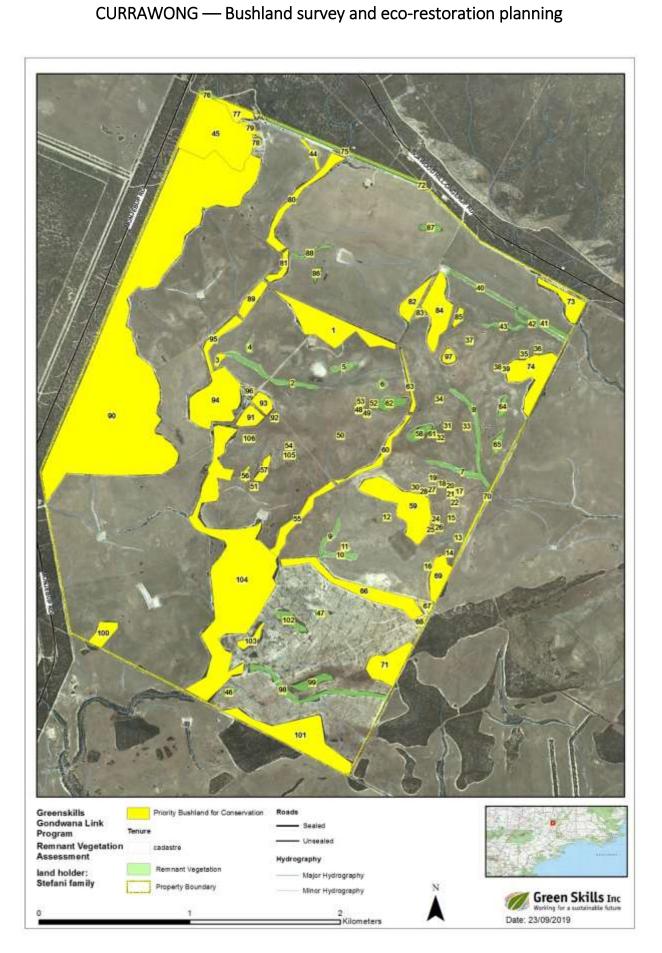
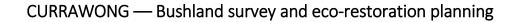


Figure 5: Map of Currawong – Priority bushland for conservation and remnant vegetation



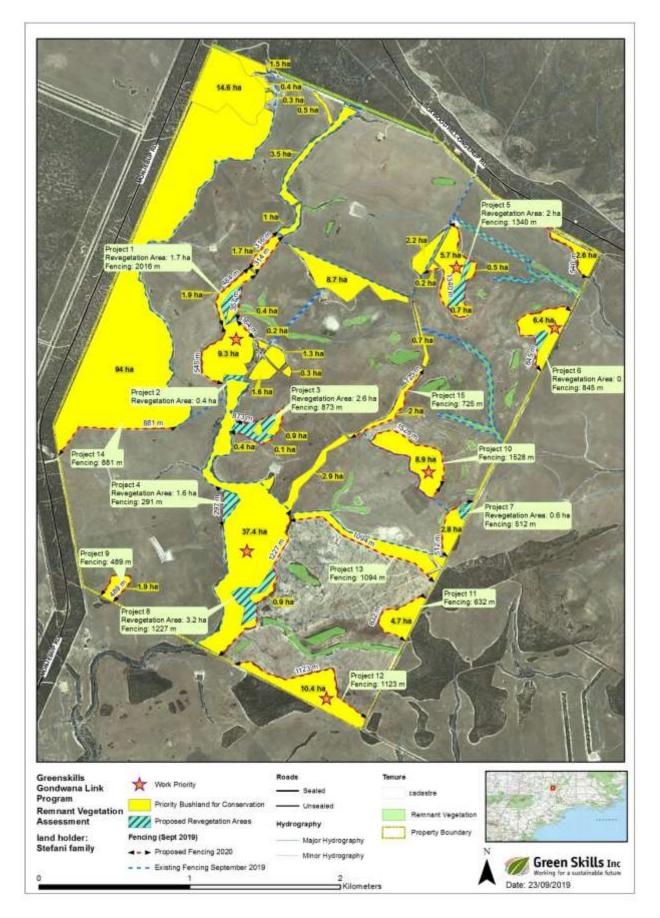


Figure 6: Map of Currawong – Proposed fencing and revegetation areas

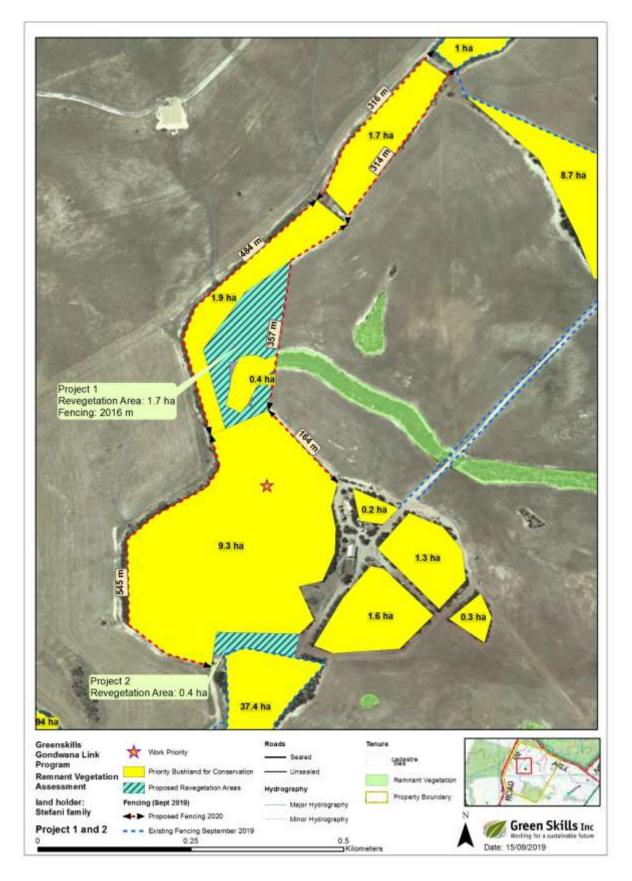


Figure 7: Project 1 & 2

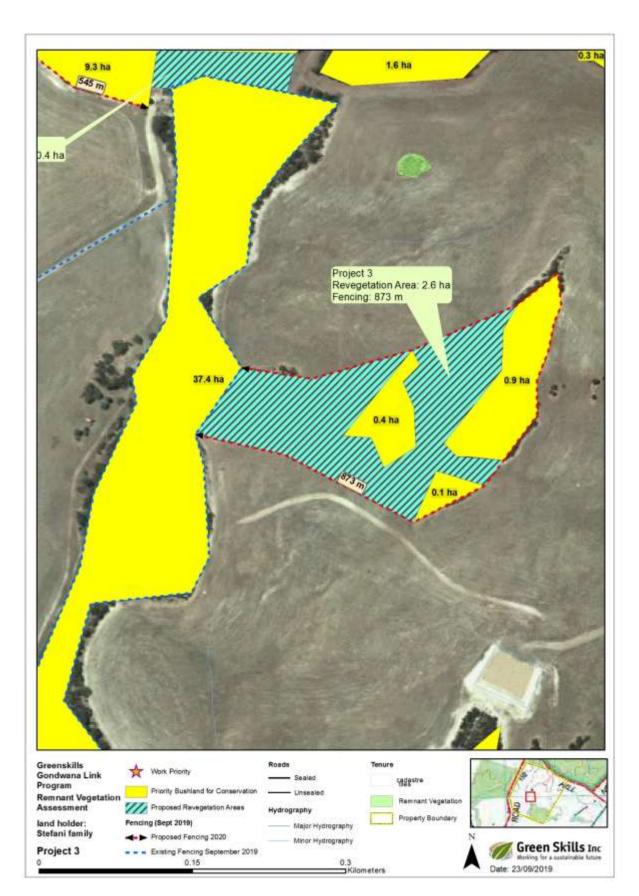


Figure 8: Project 3

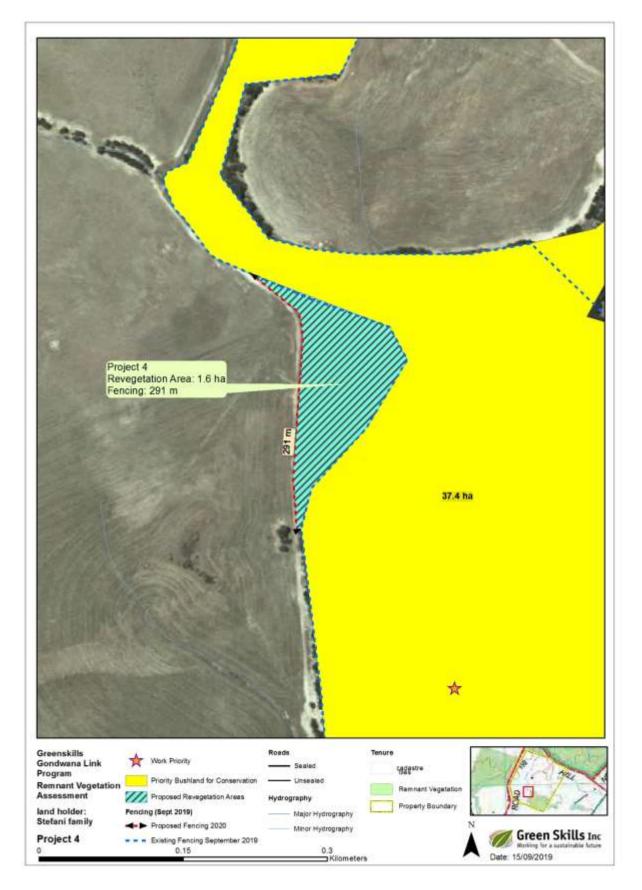


Figure 9: Project 4

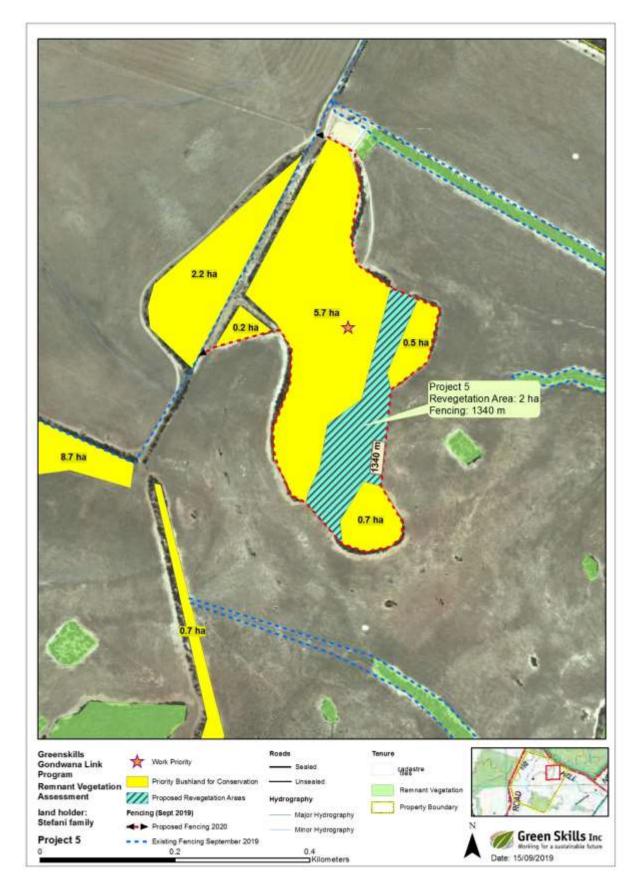


Figure 10: Project 5

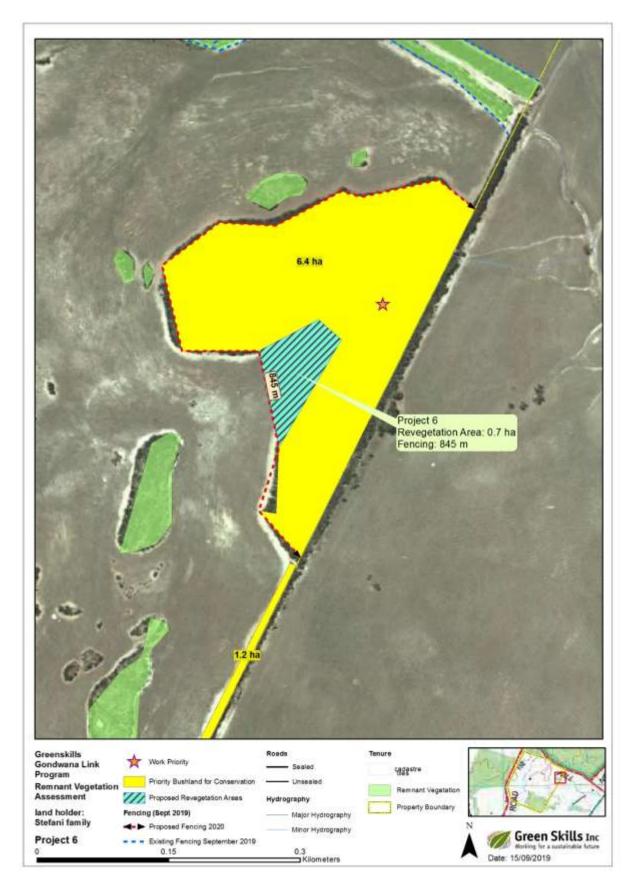


Figure 11: Project 6

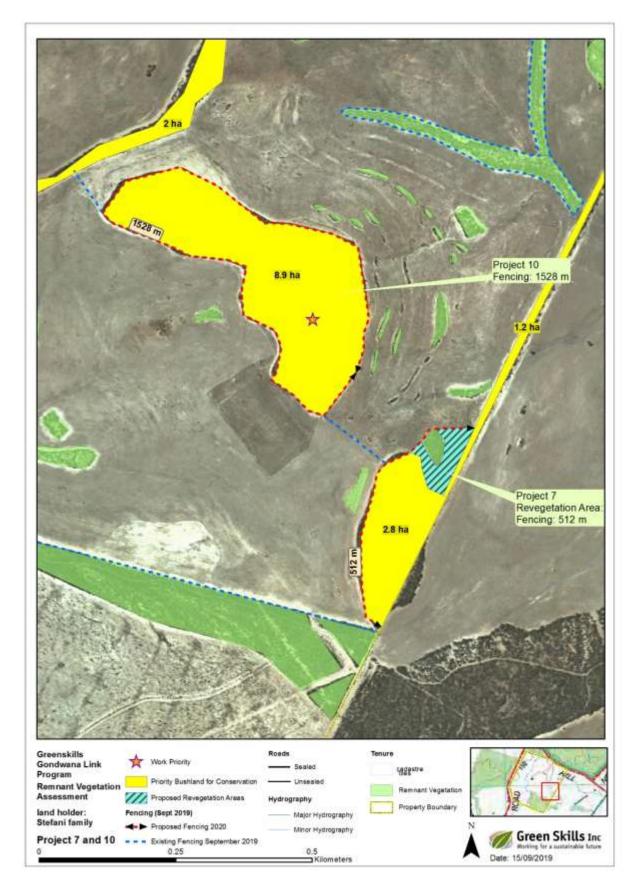


Figure 12: Project 7 & 10

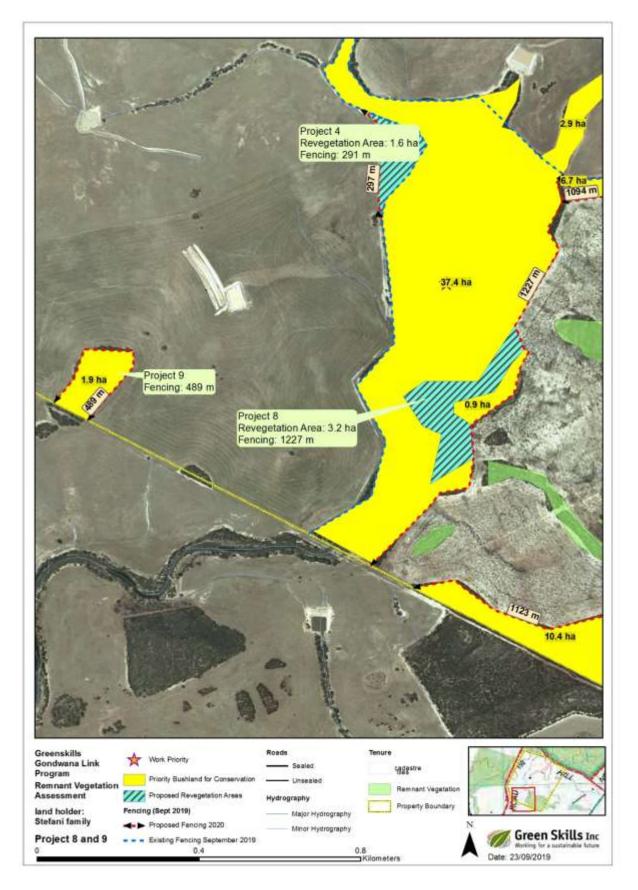


Figure 13: Project 4, 8 & 9





Figure 14: Project 11

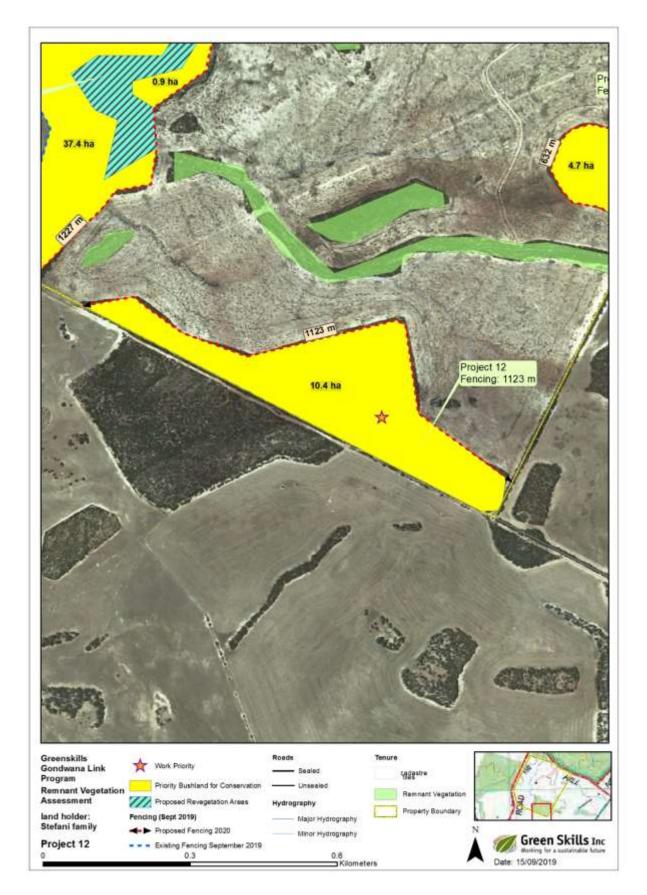


Figure 15: Project 12

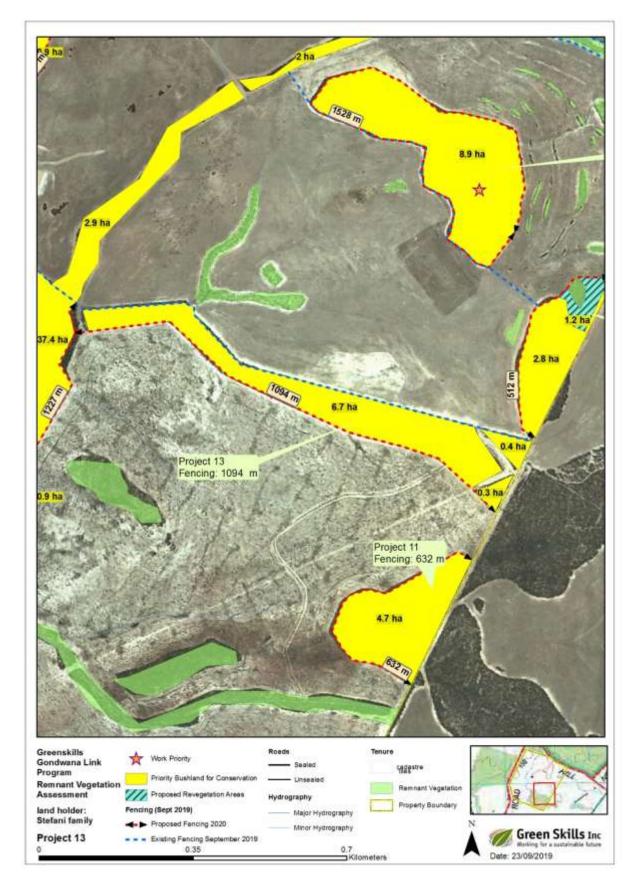


Figure 16: Project 11 & 13

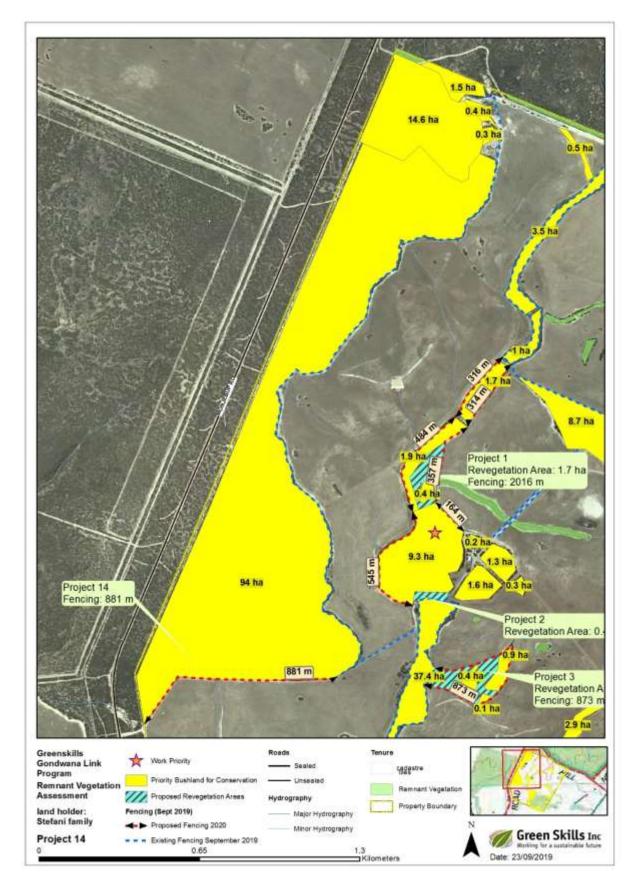


Figure 17: Project 1, 2, 3 & 14

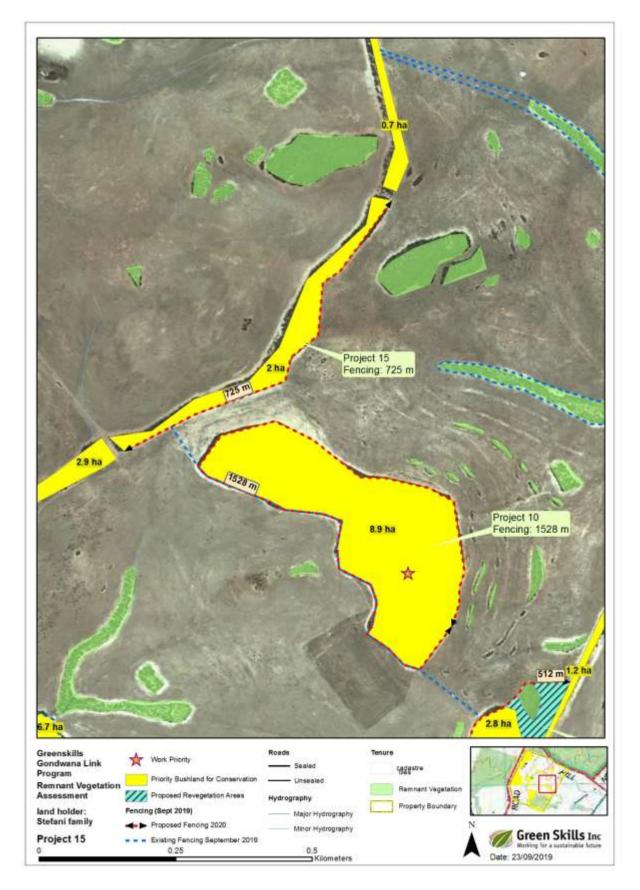


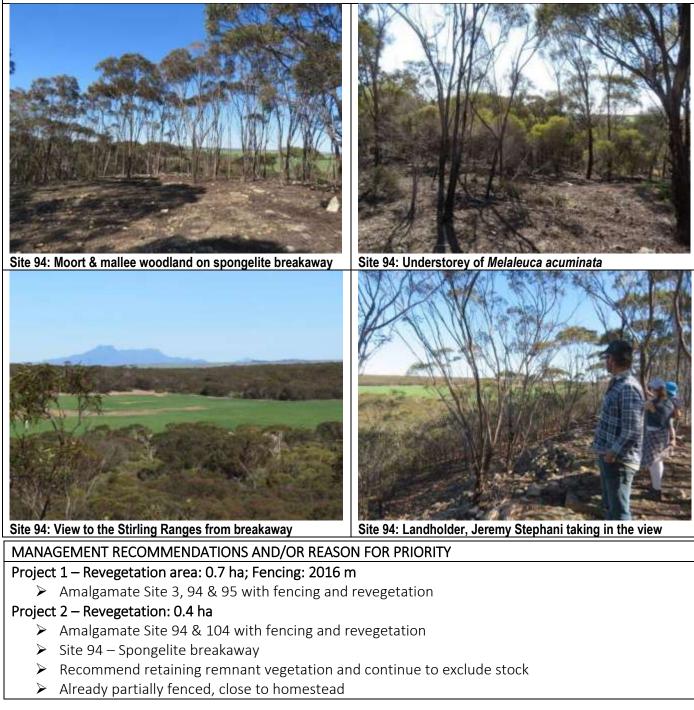
Figure 18: Project 10 & 15

SUMMARY OF VEGETATION SURVEYS AND RECOMMENDATIONS

| SITE NO: 94 | | | | | | | | | |
|---------------------|-------------------------------|--------------|----------------|-----------------------------------------|--------|------------|----------|-------|--------------|
| Date: 9th September | er 2019 | | Recorder/s: N | 1 | | | Angela S | Sande | ers |
| Photo numbers | 3993-4005 | | | Connectivity to other bushland (Y/N) | | | Y | | Y |
| | I | | | | | | | | |
| Remnant Vegetation | on | Х | Cross box | Coordin | nates | | E | | |
| Restoration/Reveg | etation | | | Zone: 5 | 0 | | Ν | | |
| | | 7 | | | | | | | |
| Site Vegetation | | | | 1 | | | 1 | | 1 |
| Cross box | Moort & Mallet Woodland | Shrubland | Mallee Heath | Heath | | Open | Mid de | nse | Closed |
| Upper | X | | | | | | X | | 0.0000 |
| Mid | х | | | | | Х | | | |
| Lower | Х | | | | | Х | | | |
| Ground | Х | | | T | | Х | | | |
| | | | | | | | | | |
| Land Formation | | Level | | Gentle | | | Moder | ate | Х |
| Cross box | | Steep | х | Very Ste | ер | | Precipi | tous | |
| Wetlands/Creek pres | ent (describe) | No, sponge | elite breakawa | у | | | | | |
| | | | | | | | | | |
| Disturbance/Threa | ts | | | | | | | | |
| | | Stock | | Recent F | ire | | | | |
| Nataa | | grazing | No | (<2 yrs) Dieback | | No | Floodir | ng | No |
| Notes: | | Erosion | No | Disease | | No | Weeds | | No |
| | | Salinity | No | | | | | | |
| | | | | | | | | | 1 |
| | | Other | Water tank c | learing | | | | | |
| | | | | | | | | | |
| Flora species | | | | | | | | | |
| Eucalyptus platypus | s (Moort) | | Melaleuca ad | cuminta | | | | | |
| Eucalyptus species | (mallee) | | | | | | | | |
| Γ | | | 1 | | | | | | |
| Fauna species | | | | | | | 1 | | |
| Mallee fowl mound | d (inactive) | | | | | | | | |
| SUMMARY OF SUR | VEY RESULTS | AND MANA | GEMENT REC | OMMEN | DATIO | ONS | | | |
| SITE NO. | AREA | (hectares)/ | VEGETATIO | N V | EGETA | | TION: | PRIC | ORITY FOR |
| | PERI | METER (metre | s) TYPE | | | DEGRADED T | 0 5- | | NAGEMENT |
| | | | | E | XCELLE | ENT | | | , MEDIUM, |
| | | | MOORT & | | | | | HIGH | H, VERY HIGH |
| 94 | 9.26 | 5ha/1305m | MOORT& | | l – VF | RY GOOD | | HIG | iH – RETAIN |
| | 5.20 | | WOODLAI | | | | | 110 | |
| | I | | | I | | | | | |

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PHOTOS & DESCRIPTOR



| SITE NO: 51, 56 | <i>,</i> 57, 104 | | | | |
|-------------------|------------------|---|-----------------|-----------------------------------------|----------------|
| Date: 9th Septemb | er 2019 | | Recorder/s: N | Melissa Howe, Basil Schur, A | Angela Sanders |
| Photo numbers | 4006-4010 | | | Connectivity to other bushland (Y/N) | Y |
| | | | 1 | | |
| Domnant Vagatati | | V | Constant la sur | Coordinatos | F |

| Remnant Vegetation | Х | Cross box | Coordinates | | E |
|---------------------------------|---|-----------|-------------|--|---|
| Restoration/Revegetation | | | Zone: 50 | | Ν |

| Site Vegetation | | | | | | | |
|-----------------|----------|-----------|--------------|-------|------|-----------|--------|
| | | | | | | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid dense | Closed |
| Upper | | | Х | | Х | | |
| Mid | | | х | | | Х | |
| Lower | | | х | | Х | | |
| Ground | | | х | | Х | | |

| Land Formation | Level | Gentle | Х | Moderate | Х |
|-----------------------------------|-------|------------|---|-------------|---|
| Cross box | Steep | Very Steep | | Precipitous | |
| Wetlands/Creek present (describe) | Yes | | | | |

| Disturbance/Threats | | | | | | |
|---------------------|----------|---|-------------------------------------|-----------|----------|------------|
| Cross boxes | Stock | | Recent Fire | | | Y - |
| | grazing | Y | (<2 yrs) | Ν | Flooding | historical |
| Notes | | | Dieback | | | |
| | Erosion | Ν | Disease | Ν | Weeds | Y |
| | Salinity | N | | | | |
| | Other | | side of creek fenc I/dilapidated | ed, easte | rn side | |

| Flora species | |
|-----------------------------|--|
| Eucalyptus species (mallee) | |
| | |

Fauna species

| SUMMARY OF SURVEY RESULTS AND MANAGEMENT RECOMMENDATIONS | | | | | | | | | |
|----------------------------------------------------------|--------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------|---------------------------------------------------------------|--|--|--|--|--|
| SITE NO. | AREA (hectares)/ PERIMETER (metres) | VEGETATION TYPE | VEGETATION CONDITION: 1-VERY DEGRADED TO 5- EXCELLENT | PRIORITY FOR MANAGEMENT LOW, MEDIUM, HIGH, VERY HIGH | | | | | |
| 51, 56, 57, 104 | 51: 0.14ha/184m 56: 0.38ha/310m 57: 0.86ha/471m 104: 37.41ha/5602m | MALLEE HEATH | 4 – VERY GOOD (REMNANT) 1 – VERY DEGRADED (CLEARED LAND) | VERY HIGH | | | | | |
| PHOTOS & DESCRIPTOR | | | | | | | | | |



Remnant Vegetation

Х

Coordinates

Е

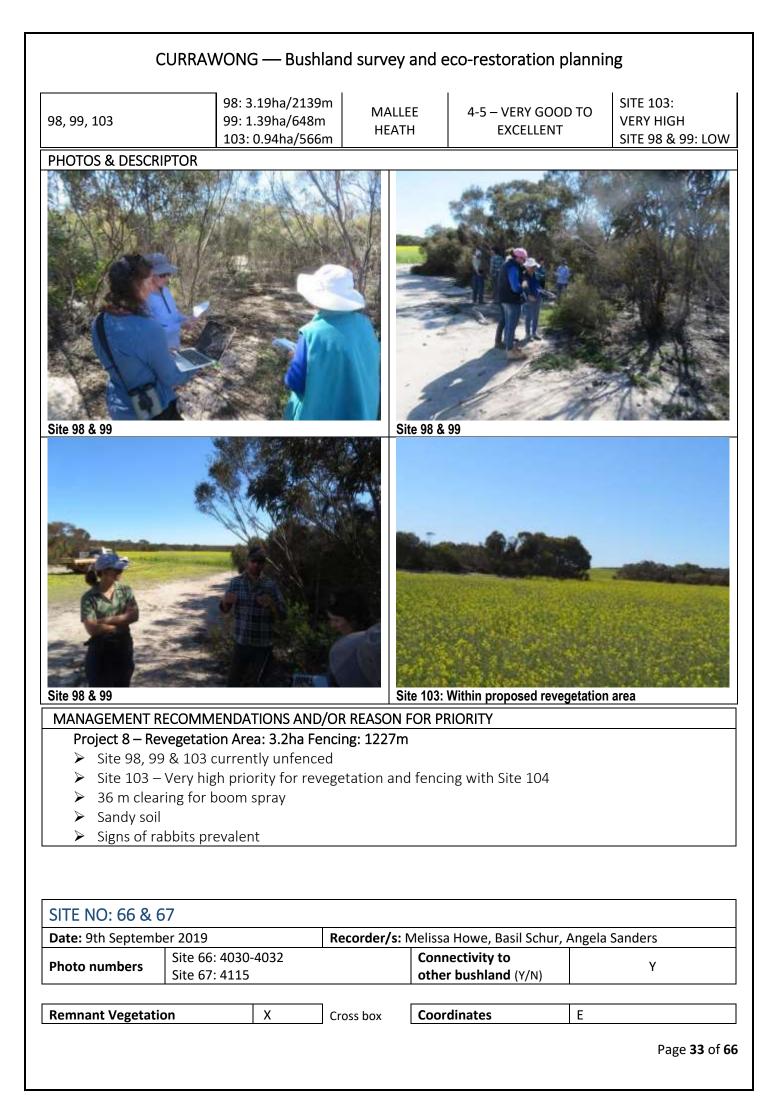
| Restoration/Reve | getation | | | | Zone | : 50 | | Ν | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------|---------------|-------------------|----------------|-----------|-----------|-----------|----------|--------------|
| | | | I | | | | | | | |
| Site Vegetation | [| | | | | | Т | 1 | | 1 |
| Crease have | | , al | Chuuhland | | Usath | _ | Onen | N4: al al | | Classed |
| Cross box | Woodlan | 10 | Shrubland | Mallee Heatl X | n Heath | 1 | Open X | Mid de | ense | Closed |
| Upper Mid | | | | X | | | ^ | X | | |
| Lower | | | | X | | | X | | | |
| Ground | | | | X | | | X | | | |
| Ground | | | | Χ | | | ~ | | | |
| Land Formation | | | Level | | Gentl | e | x | Mode | rate | |
| Cross box | | | Steep | | | Steep | | Precip | | |
| Wetlands/Creek pre | esent (descri | ibe) | | neral creeklir | | - | d damage | | | zo (2016) |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, _,, _ | (| | | | | | | | <u>-</u> |)- () |
| Disturbance/Thre | ats | | | | | | | | | Y – |
| As above | | | Stock | | Recer | nt Fire | | | | historical |
| | | | grazing | Y | (<2 yr | | N | Floodi | ng | (2016) |
| Notes | | | Erosion | N | Dieba Disea | | N | Weeds | - | Y |
| | | | | IN | Disea | 56 | IN . | weeus | 5 | T |
| | | | Salinity | | | | | | | |
| | | | Other | | | | | | | |
| | | | other | | | | | | | |
| Flora species | | | | | | | | | | |
| Eucalyptus species | s (mallee) | | | Native gras | ses | | | | | |
| Allocasuarina hue | | ock sh | neoak | Native sedges | | | | | | |
| | 5 | | | | | | | | | |
| Fauna species | | | | | | | | | | |
| Mallee fowl mou | nd (unsure | if acti | ve) | | | | | | | |
| | | | | | | | | | | |
| SUMMARY OF SU | IRVEY RES | | | | | 1 | | | 1 | |
| SITE NO. | | | (hectares)/ | | ON | - | | - | | DRITY FOR |
| | | PERIN | /IETER (metre | s) TYPE | | EXCELL | DEGRADED | 10 5- | | NAGEMENT |
| | | | | | | | | | | H, VERY HIGH |
| | | | | | | | | | HIG | - |
| 104 | | 37.4 | 1ha/5602m | MALLEE HEATH | | 3 - GC | 3 - GOOD | | | EGETATION |
| | | | | | | & FENCING | | ENCING | | |



| \triangleright | Brush | matting | with | seed |
|------------------|-------|---------|------|------|
|------------------|-------|---------|------|------|

- > Mallee heath vegetation adequate for revegetation species due to soil type
- Creekline degraded due to damage from flooding, possibly some salinity

| Date: 9th Septem | ber 2019 | | Recorder/s: 1 | Recorder/s: Melissa Howe, Basil Schur, Angela Sanders | | | | |
|-----------------------------------------------|------------------------------------------|------------------|---------------------------|-------------------------------------------------------|------|--------|-------|---------|
| Photo numbers | oto numbers Site 98 & 99 Site 103: 40 | | | Connectivity to other bushland (Y/N) | | | | Y |
| Remnant Vegetat | ion | x | Cross box | Coordinate | S | E | | |
| Restoration/Reve | | | | Zone: 50 | - | N | | |
| | | | • | | | | | |
| Site Vegetation | | | | 1 | | | | |
| Cross box | Woodland | d Shrubland | Mallee Heath | Heath | Open | Mid de | ense | Closed |
| Upper | | | Х | | Х | | | |
| Mid | | | | | | Х | | |
| Lower | | | | | | X | | |
| Ground | | | | | | X | | |
| | | | | 1 | | | | |
| Land Formation | | Level | Х | Gentle | | Moder | | |
| Cross box | | Steep | | Very Steep | | Precip | itous | |
| Wetlands/Creek pre | esent (describ | be) Possible d | rainage line, do | besn't run oft | en | | | |
| Disturbance/Thre Cross boxes | eats | Stock grazing | N | Recent Fire (<2 yrs) | N | Floodi | ng | N |
| Notes | | | | Dieback | | | | |
| | | Erosion | N | Disease | N | Weeds | 6 | Minimal |
| | | Salinity | N | | | | | |
| | | Other | | | | | | |
| Flora species | | |] | | | | | |
| Eucalyptus specie | s (mallee) | | | | | | | |
| | | | | | | | | |
| | | | 1 | | | | | |
| Fauna species | | | | | | | | |
| | | | | | | | | |
| SUMMARY OF SU | JRVEY RESU | ILTS AND MANA | GEMENT REC | OMMENDA | | | | |
| SITE NO. AREA (hectares)/ PERIMETER (metre | | VEGETATIO | VEGETATION VEGETATION CON | | | | | |



| Restoration/Rev | vegetation | | | | Zone: 50 | D | | Ν | | |
|------------------|-----------------|----------------|---------|--------------|--------------------|---------|----------------------------------------------|---------|-------|--------------|
| | | | | | | | | | | |
| Site Vegetation | | | | | | | | | | |
| | | | | | | | | | | |
| Cross box | Woodlan | d Shrubla | nd IV | Iallee Heath | Heath | (| Dpen | Mid de | ense | Closed |
| Upper | | | | Х | | | Х | | | |
| Mid | | | | Х | | | | X | | |
| Lower | | | | Х | | | Х | | | |
| Ground | | | | Х | | | Х | | | |
| | | | | | | | | | | |
| Land Formation | | Level | | | Gentle | | Х | Moder | rate | |
| Cross box | | Steep | | | Very Stee | ep | | Precipi | itous | |
| Wetlands/Creek p | oresent (descri | be) Draina | ge line | , ephemeral | | | | | | |
| | | | | | | | | | | |
| Disturbance/Th | reats | | | | | | | | | |
| Cross boxes | | Stock | | | Recent Fi | - | | | | |
| | | grazing | N | | (<2 yrs) | ١ | 1 | Floodii | ng | N |
| Notes | | Erosion | N | | Dieback Disease | N | J | Weeds | - | edge |
| | | | N | | Disease | | <u>. </u> | | > | euge |
| | | Salinity | IN | | | | | | | |
| | | Other | | | | | | | | |
| | | other | | | | | | | | |
| Flora species | | | | | | | | | | |
| Eucalyptus annu | lata | | | | | | | | | |
| Melaleuca acum | | | | | | | | - | | |
| Weldleded dealin | innutu | | | | | | | | | |
| Fauna species | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| SUMMARY OF S | SURVEY RESU | JLTS AND MA | NAGE | EMENT REC | OMMENI | DATION | IS | | | |
| SITE NO. | | AREA (hectares | 5)/ | VEGETATIO | N VE | EGETATI | ON COND | ITION: | PRIC | RITY FOR |
| | | PERIMETER (m | | TYPE | 1- | VERY DE | GRADED | TO 5- | MAN | NAGEMENT |
| | | | | | EX | CELLEN | т | | | , MEDIUM, |
| | | | | | | | | | | H, VERY HIGH |
| 66 | | 6.67ha/2217 | 'n | | 4 | – VERY | GOOD | | HIG | iΗ |
| PHOTOS & DESC | CRIPTOR | | | | | | | | | |



Site 66: Landholder keen to fence this remnant vegetation

Site 66: Unfenced Mallee heath remnant vegetation in Very good condition



Site 67: View to the Stirling Ranges

MANAGEMENT RECOMMENDATIONS AND/OR REASON FOR PRIORITY

Project 13 – Fencing: 1,094 m

- > Currently no fencing, landholder wants fencing
- Water runs through the site

| SITE NO: 9, 10 8 | & 11 | | | | |
|-------------------|-----------|-------------------------------------------------------|----------------------|--|--|
| Date: 9th Septemb | er 2019 | Recorder/s: Melissa Howe, Basil Schur, Angela Sanders | | | |
| Photo numbers | 4034-4035 | Connectivity to other bushland (Y/N) | Connected to Site 66 | | |

| Remnant Vegetation - regrowth | Х | Cross box | Coordinates | E |
|---------------------------------|---|-----------|-------------|---|
| Restoration/Revegetation | | | Zone: 50 | Ν |

| Site Vegetation | | | | | | | |
|-----------------|----------|-----------|--------------|-------|------|-----------|--------|
| | | | | | | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid dense | Closed |
| Upper | | | X | | Х | | |

Page **35** of **66**

| Mid | | | | |
|--------|--|---|---|--|
| Lower | | Х | Х | |
| Ground | | | | |

| Land Formation | Level | Х | Gentle | | Moderate | | |
|-----------------------------------|---------------------------------------------------------------|---|------------|--|-------------|--|--|
| Cross box | Steep | | Very Steep | | Precipitous | | |
| | Previously cleared and regrown, thin long vegetation corridor | | | | | | |
| Wetlands/Creek present (describe) | Dam doesn't hold water | | | | | | |

| Disturbance/Threats | | | | | | |
|---------------------|----------|---|-------------|---|----------|-------|
| Cross boxes | Stock | | Recent Fire | | | |
| | grazing | Ν | (<2 yrs) | Ν | Flooding | N |
| Notes | | | Dieback | | | |
| | Erosion | Ν | Disease | N | Weeds | edges |
| | Salinity | N | | | | |
| | | | | | | |
| | Other | | | | | |

| Flora species | |
|-----------------------------|--|
| Eucalyptus species (mallee) | |
| | |

Fauna species

| SUMMARY OF SURVEY RESULTS AND MANAGEMENT RECOMMENDATIONS | | | | | | | |
|----------------------------------------------------------|------------------------------------------------------|--------------------|-------------------------------------------------------------|---------------------------------------------------------------|--|--|--|
| SITE NO. | AREA (hectares)/ PERIMETER (metres) | VEGETATION TYPE | VEGETATION CONDITION: 1-VERY DEGRADED TO 5- EXCELLENT | PRIORITY FOR MANAGEMENT LOW, MEDIUM, HIGH, VERY HIGH | | | |
| 9, 10, 11 | 9: 0.72ha/666m 10: 0.59ha/534m 11: 0.15ha/162m | MALLEE HEATH | 3 | LOW | | | |

PHOTOS & DESCRIPTOR



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MANAGEMENT RECOMMENDATIONS AND/OR REASON FOR PRIORITY

- Low priority for management
- > Landholder wants to clear this section of bushland
- Site 9 & 10 have a high edge to area ratio (long thin strips of vegetation)
- Site 11 is a very small isolated remnant

| Date: 9th Septem | ber 2019 | | Recorder/s: N | Melissa Hov | we, Basil Schur | , Angela S | anders |
|--------------------|-----------------|---------------|-----------------------------------------|--------------------|-----------------|------------|--------------|
| Photo numbers | 4036-4037 | | Connectivity to other bushland (Y/N) | | | | Y (Site 104) |
| Remnant Vegetat | ion | x | Cross box | Coordina | ites | E | |
| Restoration/Reve | | | | Zone: 50 | | N | |
| Site Vegetation | | | | | | | |
| Site Vegetation | | | | | | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid der | nse Closed |
| Upper | | | х | | Х | | |
| Mid | | | Х | | | Х | |
| Lower | | | х | | Х | | |
| Ground | | | | | | | |
| | | | | | | | |
| Land Formation | | Level | Х | Gentle | | Modera | te |
| Cross box | | Steep | | Very Stee | o | Precipit | ous |
| Wetlands/Creek pre | sent (describe) | No | | | • | | |
| · · | · · · · | | | | | | |
| Disturbance/Thre | ats | | | | | | |
| Cross boxes | | Stock | | Recent Fir | e | | |
| | | grazing | N | (<2 yrs) | N | Flooding | g N |
| Notes | | Erosion | N | Dieback Disease | N | Weeds | N |
| | | | | Disease | | weeus | |
| | | Salinity | N | | | | |
| | | Other | | | | | |
| | | Other | | | | | |
| Flora species | | | 1 | | | | |
| Eucalyptus annulo | ata | | 1 | | | | |
| | | | | | | | |
| | | | I | | | | |
| Fauna species | | | | | | | |
| - | | | | | | | |
| | | | · | | | | |
| SUMMARY OF SU | RVEY RESULTS | SAND MANA | GEMENT REC | OMMEND | ATIONS | | |
| SITE NO. | ARE | A (hectares)/ | VEGETATIO | N VE | GETATION CONI | DITION: | PRIORITY FOR |
| | | IMETER (metre | es) TYPE | 1-V | ERY DEGRADED | TO 5- | MANAGEMENT |
| | | | | EXC | CELLENT | | |

| n planning |
|---------------------------------|
| LOW, MEDIUM, HIGH, VERY HIGH |
| HIGH – RETAIN |
| |

PHOTOS & DESCRIPTOR





Site 55: Fenced remnant Mallee heath vegetation in Very good condition

Site 60: Unfenced remnant Mallee heath with dominant Melaleuca species understorey

MANAGEMENT RECOMMENDATIONS AND/OR REASON FOR PRIORITY

Project 15 – Fencing: 725 m

- > High priority to retain remnant vegetation
- Recommend fencing for Site 60
- Site 55 is partially fenced

| SITE NO: 59 | | | | | |
|--------------------------|-----------|---|-------------|-----------------------------------------|------------------|
| Date: 9th Septemb | er 2019 | | Recorder/s: | Melissa Howe, Basil Schur | , Angela Sanders |
| Photo numbers | 4038-4039 | | | Connectivity to other bushland (Y/N) | N |
| - | | 1 | | F | |
| Remnant Vegetation | on | Х | Cross box | Coordinates | E |
| Restoration/Reveg | etation | | | Zone: 50 | Ν |
| | | | | | |

| Site Vegetation | | | | | | | |
|-----------------|----------|-----------|--------------|-------|------|-----------|--------|
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid dense | Closed |
| Upper | | | Х | | Х | | |
| Mid | | | Х | | | Х | |
| Lower | | | Х | | Х | | |
| Ground | | | х | | Х | | |

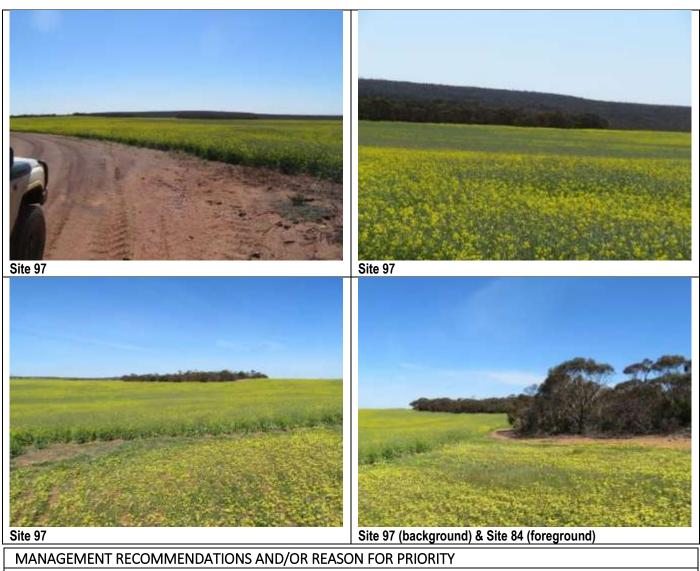
| Land Formation | Level | Gentle | Х | Moderate | |
|----------------|-------|------------|---|-------------|--|
| Cross box | Steep | Very Steep | | Precipitous | |

| CURRAV | VONG — Busł | land sur | vey and e | eco-res | toratio | n plannir | ng | |
|----------------------------------------------------------------------------------|---------------------------------------------------|---------------|-----------------|---------|-------------------------------------------------------------|-----------|---------------------------------------------------------------|-----------|
| Wetlands/Creek present (desc | ribe) No, rocky | ground, gr | ranite | | | | | |
| Disturbance/Threats | | | | | | | | |
| Cross boxes | Stock | | | nt Fire | | Els s di | | |
| Notes | grazing | N | (<2 yı Dieba | | N | Floodi | ng | N |
| | Erosion | N | Disea | se | N | Weed | S | edge |
| | Salinity | N | | | | | | |
| | Other | | | | | | | |
| | | 7 | | | | | | |
| Flora species Kunzea species | | | | | | | | |
| Sedges | | | | | | | | |
| | | | | | | · | | |
| Fauna species | | | | | | | | |
| | | | | | | | | |
| SUMMARY OF SURVEY RES | ULTS AND MAN | AGEMENT | RECOMM | ENDATI | ONS | | | |
| SITE NO. | AREA (hectares)/ PERIMETER (metr | | TYPE 1 | | VEGETATION CONDITION: 1-VERY DEGRADED TO 5- EXCELLENT | | PRIORITY FOR MANAGEMENT LOW, MEDIUM, HIGH, VERY HIGH | |
| 59 | 8.86ha/1528r | | MALLEE HEATH | | 4 – VERY GOOD | | | VERY HIGH |
| PHOTOS & DESCRIPTOR | · · · | | | | | | | |
| | | | | | | | | |
| Site 59: 8.86 ha Mallee heath re | empant a high price | rity for fear | ina | | | | | |
| Site 59: 8.86 ha Mallee heath re MANAGEMENT RECOMM | | | | RIORITY | | | | |
| Site 59: 8.86 ha Mallee heath re MANAGEMENT RECOMM Project 10 – Fencing: 1 | ENDATIONS ANI | | | RIORITY | | | | |
| MANAGEMENT RECOMM | ENDATIONS ANI 528m (8.9ha) ng, rocky ground | D/OR REAS | | RIORITY | | | | |

| SITE NO: 31, 32 | 2, 58, 61 | | | | | | | |
|------------------------------------|--------------------------|------------------------------------|-----------------------|------------------------------|-------------------------------|----------|------------|-----------------------------------------------------|
| Date: 9th Septemb | per 2019 | | Recorder/s: 1 | Melissa Howe, | Basil Schur | , Angela | Sande | ers |
| Photo numbers | 31 & 34: 4 58: 4043-4 | | | Connectivity other bushla | | | | Ν |
| | 50. 10 15 | | | other busing | | | | |
| Remnant Vegetati | on - regrow | th X | Cross box | Coordinates | | E | | |
| Restoration/Reve | - | | | Zone: 50 | | N | | |
| | 5 | | 1 | | 1 | | | |
| Site Vegetation | | | Ι | I | | | | 1 |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid de | ense | Closed |
| Upper | | | х | | Х | | | |
| Mid | | | Х | | Х | | | |
| Lower | | | Х | | | X | | |
| Ground | | | Х | | Х | | | |
| Land Formation | | Level | х | Gentle | | Moder | rate | |
| Cross box | | Steep | | Very Steep | | Precip | itous | |
| Wetlands/Creek pre | sent (describe | e) No | | | | | | |
| Disturbance/Threats Cross boxes | | | N | Stock grazing Recent Fire | N | Floodi | ng | N |
| Notes | | Erosion | N | (<2 yrs) | N | Weeds | | edge |
| | | | | Dieback | | | | 6486 |
| | | Salinity | N | Disease | Ν | | | |
| | | Other | | | | | | |
| r l | | | 1 | | | | | |
| Flora species | | | | | | | | |
| _ . | | |] | | | | | |
| Fauna species | | | | | | | | |
| | | | | | | | | |
| SUMMARY OF SU | | | | | | | | |
| SITE NO. | | REA (hectares)/ ERIMETER (metre | VEGETATIO rs) TYPE | | ATION CONE DEGRADED ENT | | MAI LOW | DRITY FOR NAGEMENT /, MEDIUM, H, VERY HIGH |
| | | 1: 0.07ha/114n | | 24.0.0 | | | | |
| 31, 32 & 58 | | 2: 0.04ha/89m 8: 0.95ha/439n | MALLEE 1 HEATH | | 2: 2 – DEGF – GOOD | KAUED | LO | N |
| PHOTOS & DESCR | | | | | | | | |
| | | | | | | | | |

Low priority for fencing

| Date: 9th Septem | ber 2019 | | Recorder/s: | Melissa H | owe, Basil Schu | ır, Angela | Sande | ers | |
|--------------------|---------------|------------------|--------------|---------------------|----------------------------|------------|-------------|--------------|--|
| Photo numbers | 4048-40 | 49, 4067, 4069 | | | tivity to ushland (Y/N) | | | Ν | |
| Remnant Vegetat | ion | X | Cross box | Coordin | nates | E | | | |
| Restoration/Reve | | | | Zone: 50 | | N | | | |
| - | 0 | | 1 | | | L | | | |
| Site Vegetation | | | | | | | | | |
| | | | | | | | | | |
| Cross box | Woodlan | d Shrubland | Mallee Heath | Heath | Open | Mid d | ense | Closed | |
| Upper | | | Х | | X | | | | |
| Mid | | | Х | | | X | (| | |
| Lower | _ | | Х | | X | | | | |
| Ground | | | ? | | | | | | |
| | | 1 | 1 | 1 | I | | | | |
| Land Formation | | Level | х | Gentle | | Mode | rate | | |
| Cross box | | Steep | | Very Steep | | Precip | Precipitous | | |
| Wetlands/Creek pre | esent (descri | be) No | | | | | | | |
| | | | | | | | | | |
| Disturbance/Thre | ats | | | | | | | | |
| Cross boxes | | Stock | | Recent F | | | | | |
| Notes | | grazing | possible | (<2 yrs) Dieback | N | Floodi | ing | N | |
| Notes | | Erosion | N | Disease | Ν | Weed | s | likely | |
| | | Salinity | N | 2.000.00 | | | | | |
| | | | | L | | | | | |
| | | Other | Surveyed fro | om a distar | nce (binoculars |) | | | |
| | | I | · | | • | <u> </u> | | | |
| Flora species | | |] | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Fauna species | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| SUMMARY OF SU | RVEY RES | JLTS AND MANA | GEMENT RE | COMMEN | DATIONS | | | | |
| SITE NO. | | AREA (hectares)/ | VEGETATI | ON V | EGETATION CON | IDITION: | PRIC | ORITY FOR | |
| | | PERIMETER (metre | es) TYPE | | -VERY DEGRADEI | D TO 5- | | NAGEMENT | |
| | | | | E | XCELLENT | | | V, MEDIUM, | |
| 07 | | 0 6962/200- | | | | | | H, VERY HIGI | |
| 97 | | 0.68ha/309m | | 5 | - GOOD | | VE | RY HIGH | |
| PHOTOS & DESCR | KIPTOR | | | | | | | | |



Project 5 – Revegetation Area: 2ha – Fencing: 1340m

> Very high priority for revegetation and fencing with Site 84 & 85 (see below)

| SITE NO: 83, 84 | ·, 85, 97 | | | |
|-------------------|--------------------------------------------------------------------|---------------|-----------------------------------------|----------------|
| Date: 9th Septemb | er 2019 | Recorder/s: N | /lelissa Howe, Basil Schur, A | Angela Sanders |
| Photo numbers | 83 84: 4054-4058, 4068 85: 4052-4053, 4070 97: 4067, 4069 | | Connectivity to other bushland (Y/N) | Some |
| | | | | |

| Remnant Vegetation | Х | Cross box | Coordinates | | E |
|--------------------------|---|-----------|-------------|--|---|
| Restoration/Revegetation | | | Zone: 50 | | Ν |

| Site Vegetation | | | | | | | |
|-----------------|----------|-----------|--------------|-------|------|-----------|--------|
| | | | | | | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid dense | Closed |
| Upper | | | Х | | Х | | |

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CURRAWONG — Bushland survey and eco-restoration planning Mid Х Х Х Lower Х Х Ground Х Level Gentle Х Moderate **Land Formation** Very Steep Precipitous Cross box Steep Wetlands/Creek present (describe) No **Disturbance/Threats** Cross boxes Recent Fire 2016 Stock Υ (<2 yrs) Ν Flooding (Site 69) grazing Notes Dieback Erosion Ν Disease Ν Weeds edge Ν Salinity Other **Flora species** Grevillea tetragonoloba Eucalyptus pleurocarpa Eucalyptus pleurocaulis porforea **Fauna species** White-browed Babbler SUMMARY OF SURVEY RESULTS AND MANAGEMENT RECOMMENDATIONS SITE NO. AREA (hectares)/ VEGETATION **VEGETATION CONDITION:** PRIORITY FOR **PERIMETER** (metres) TYPE 1-VERY DEGRADED TO 5-MANAGEMENT LOW, MEDIUM, EXCELLENT HIGH, VERY HIGH 83: 0.22ha/223m 84: 5.67ha/1248m MALLEE 83, 84, 85, 97 3 - GOOD VERY HIGH 85: 0.52ha/330m HEATH 97: 0.68ha/309m **PHOTOS & DESCRIPTOR**

Site 84

Site 84

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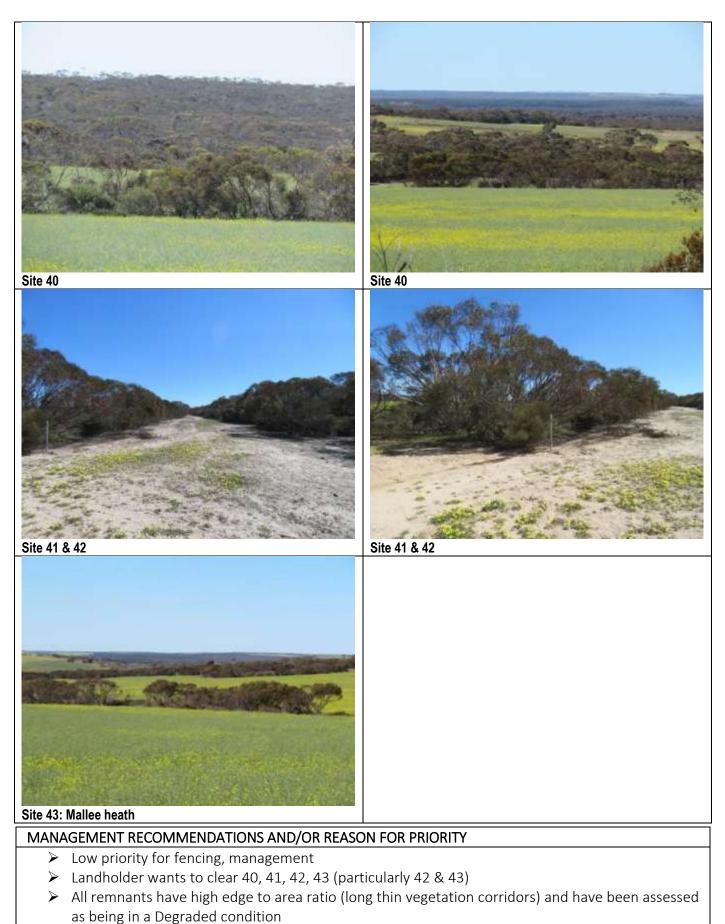


Project 5 – Revegetation Area: 2ha – Fencing: 1340m

- Very high priority for revegetation and fencing
- > Amalgamate Site 84, 85 & 97 remnants by fencing and revegetating
- Site 85 is regrowth and has very high biodiversity

CURRAWONG — Bushland survey and eco-restoration planning SITE NO: 40, 41, 42, 43 Date: 9th September 2019 Recorder/s: Melissa Howe, Basil Schur, Angela Sanders 40: 4061-4062 **Connectivity to** Photo numbers 41 & 42: 4073-4074 Some other bushland (Y/N) 43: 4066 **Remnant Vegetation** Х Cross box Coordinates Ε **Restoration/Revegetation** Zone: 50 Ν **Site Vegetation** Cross box Woodland Shrubland Mallee Heath Heath Open Mid dense Closed Х Х Upper Х Х Mid Х Х Lower Х Х Ground Gentle Level Х Moderate **Land Formation** Cross box Very Steep Precipitous Steep Wetlands/Creek present (describe) No **Disturbance/Threats** Cross boxes **Recent Fire** Stock Ν (<2 yrs) Ν Flooding Ν grazing Dieback Notes Erosion Ν Disease Ν Weeds minimal Ν Salinity Other **Flora species** Banksia media Hakea laurina **Fauna species** SUMMARY OF SURVEY RESULTS AND MANAGEMENT RECOMMENDATIONS SITE NO. AREA (hectares)/ VEGETATION **VEGETATION CONDITION: PRIORITY FOR** PERIMETER (metres) TYPE 1-VERY DEGRADED TO 5-MANAGEMENT EXCELLENT LOW, MEDIUM, HIGH, VERY HIGH 40: 0.89ha/1129m 41: 0.83ha/790m 40, 41, 42, 43 MALLEE 2 - DEGRADED LOW 42: 0.71ha/841m HEATH 43: 0.5ha/655m **PHOTOS & DESCRIPTOR**

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Some of the remnants contain good food plants for Black cockatoos

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| SITE NO: 73 | | | | | | | | | |
|----------------------------------|--------------------------|------------------|--------------|-------------------------|-------|----------------|------------|-------------------|----------------------------------------|
| Date: 9th Septemb | er 2019 | | Recorder/s: | 1 | | | , Angela S | and | ers |
| Photo numbers | 4071-4072 | | | Connec other b | - | to nd (Y/N) | Y | – Ro | oad verge |
| Remnant Vegetation | | X | Cross box | Coordin | nates | | E | | |
| | Restoration/Revegetation | | | Zone: 5 | 0 | | N | | |
| | - | | | | | - | | | |
| Site Vegetation | | | | | | | - | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | | Open | Mid de | nse | Closed |
| Upper | | | Х | | | Х | | | |
| Mid | | | Х | | | Х | _ | | |
| Lower | | | Х | | | | <u> </u> | | <u> </u> |
| Ground | | | Х | | | Х | | | |
| Land Formation | | Level | | Gentle | | x | Modera | ate | |
| Cross box | | Steep | | Very Ste | en | | Precipit | | |
| Wetlands/Creek pre | sent (describe) | Ephemera | l creekline | 10.7000 | 99 | | | | |
| | | | | 1 | | 1 | | | 1 |
| Disturbance/Threa Cross boxes | ats | Chaoli | | Descrit | | | | | De et |
| Closs boxes | | Stock grazing | N | Recent F (<2 yrs) | ire | N | Floodin | g | Past (2016) |
| Notes | | 8 | | Dieback | | | | 0 | () |
| | | Erosion | Possible | Disease | | Ν | Weeds | | Y |
| | | Salinity | Possible | | | | | | |
| | | Other | | | | | | | |
| | | other | | | | | | | |
| Flora species | | | | | | | | | |
| Eucalyptus species | (mallee) | | | | | | | | |
| Banksia media | | | | | | | | | |
| Fauna species | | | | | | | | | |
| | | | | | | | | | |
| SUMMARY OF SU | | | | | | | | | |
| SITE NO. | | EA (hectares)/ | | | | ATION CONE | | DRIC | ORITY FOR |
| SHE NO. | | RIMETER (metre | | 1- | | DEGRADED | | MAI LOW | NAGEMENT V, MEDIUM, H, VERY HIGI |
| | | 2ha/478m | MALLEE | 3-4 – GOOD TO V GOOD | | | | | |

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Site 73: 2.62 ha unfenced remnant Mallee heath vegetation

Site 73: Assessed to be in Good to Very Good condition

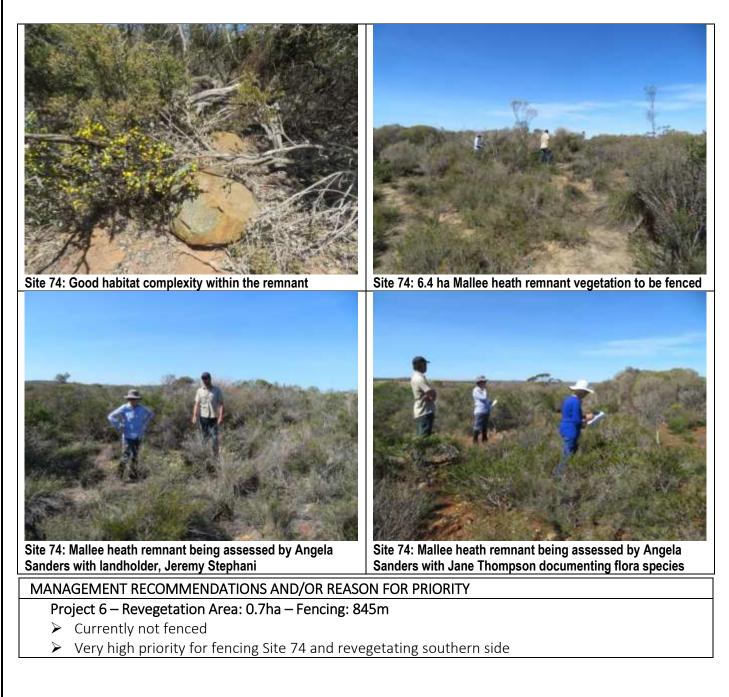
MANAGEMENT RECOMMENDATIONS AND/OR REASON FOR PRIORITY

- > High priority for fencing as connects to high quality road verge vegetation on Boxwood Hill-Ongerup Road
- > Fencing of 543 m required for 2.62 ha remnant Mallee heath vegetation

| SITE NO: 35, 37 | 7, 74 | | | | | | | |
|--------------------|-----------------|---------------|-------------------------------------------------------|-----------------|------|-------------|--------|--|
| Date: 9th Septemb | per 2019 | | Recorder/s: Melissa Howe, Basil Schur, Angela Sanders | | | | | |
| | Site 35: 4081 | Site 35: 4081 | | Connectivity to | | | | |
| Photo numbers | Site 37: 4084 | | | other bushla | | | Ν | |
| | Site 74: 4080 | , 4082-4083 | , 4086-4092 | other busine | | | | |
| | | 1 | 1 | | | | | |
| Remnant Vegetati | | Х | Cross box | Coordinates | | E | | |
| Restoration/Reve | getation | |] | Zone: 50 | | Ν | | |
| | | - | | | | | | |
| Site Vegetation | | | Γ | | | - | | |
| | | | | | | | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid dense | Closed | |
| Upper | | | Х | | Х | | | |
| Mid | | | Х | | | Х | | |
| Lower | | | Х | | Х | | | |
| Ground - litter | | | | | | | | |
| | | | | | | | | |
| Land Formation | | Level | | Gentle | Х | Moderate | | |
| Cross box | | Steep | | Very Steep | | Precipitous | | |
| Wetlands/Creek pre | sent (describe) | No | | | | | | |
| | | | | | | | | |
| Disturbance/Threa | ats | | | | | | | |
| Cross boxes | | Stock | | Recent Fire | | | | |
| | | grazing | N | (<2 yrs) | Ν | Flooding | N | |
| Notes | | | | Dieback | | | | |
| | | Erosion | N | Disease | N | Weeds | edge | |
| | | Salinity | Ν | | | | | |

| CURRAV | VONG — Bushlar | nd survey and e | eco-restoration plannir | ng |
|----------------------------------|------------------------|-----------------|------------------------------|---------------------------------|
| | 1 1 | | | 1 |
| | Other | | | |
| | Other | | | |
| Flora species | | | | |
| Eucalyptus annulata | | | | |
| | | | | |
| | | | | |
| Fauna species | | | | |
| Echidna - diggings | | | | |
| SUMMARY OF SURVEY RES | ULTS AND MANAGE | MENT RECOMM | ENDATIONS | |
| SITE NO. | AREA (hectares)/ | VEGETATION | VEGETATION CONDITION: | PRIORITY FOR |
| | PERIMETER (metres) | ТҮРЕ | 1-VERY DEGRADED TO 5- | MANAGEMENT |
| | | | EXCELLENT | LOW, MEDIUM, HIGH, VERY HIGH |
| | 35: 0.18ha/175m | MALLEE | SITE 35: 3 – GOOD | |
| 35, 37, 74 | 37: 0.15ha/159m | HEATH | SITE 37: 3 – GOOD | VERY HIGH |
| PHOTOS & DESCRIPTOR | 74: 6.4ha/1006m | | SITE 74: 4 – VERY GOOD | |
| Site 35: Small isolated Mallee H | heath remnant (backgro | ound) | solated Mallee heath remnant | in good condition |
| Site 74: Large 6.4 ha unfenced | Mallee heath remnant | Site 74: E | Echidna diggings | |

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| SITE NO: 7 & 8 | | | | |
|----------------------------------------------------------------------------------------|--------------|-----------------------------------------|---|--|
| Date: 9th September 2019 Recorder/s: Melissa Howe, Basil Schur, Angela Sanders | | | | |
| Photo numbers | 7: 4105-4108 | Connectivity to other bushland (Y/N) | Y | |
| | | | | |

| Remnant Vegetation | Х | Cross box | Coordinates | E |
|--------------------------|---|-----------|-------------|---|
| Restoration/Revegetation | | | Zone: 50 | Ν |

| Site Vegetation | | | | | | | |
|-----------------|----------|-----------|--------------|-------|------|-----------|--------|
| | | | | | | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid dense | Closed |
| Upper | | | Х | | Х | | |

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| Mid | | Х | | Х | |
|-----------------|--|---|---|---|--|
| Lower | | Х | Х | | |
| Ground - litter | | | | | |

| Land Formation | Level | Gentle | Х | Moderate | |
|-----------------------------------|-------|------------|---|-------------|--|
| Cross box | Steep | Very Steep | | Precipitous | |
| Wetlands/Creek present (describe) | No | | | | |

| Disturbance/Threats | | | | | | |
|---------------------|----------|---|-------------|---|----------|------|
| Cross boxes | Stock | | Recent Fire | | | |
| | grazing | Ν | (<2 yrs) | Ν | Flooding | Ν |
| Notes | | | Dieback | | | |
| | Erosion | Ν | Disease | Ν | Weeds | edge |
| | Salinity | Ν | | | | |
| | | | | | | |
| | Other | | | | | |

| Flora species | |
|-----------------------------|--|
| Eucalyptus species (mallee) | |
| Eucalyptus platypus (Moort) | |

| Fauna species | |
|-------------------------|--|
| Yellow-rumped Thornbill | |

| SUMMARY OF SURVEY RESULTS AND MANAGEMENT RECOMMENDATIONS | | | | | | | | | |
|----------------------------------------------------------|----------------------------------------|--------------------|-------------------------------------------------------------|---------------------------------------------------------------|--|--|--|--|--|
| SITE NO. | AREA (hectares)/ PERIMETER (metres) | VEGETATION TYPE | VEGETATION CONDITION: 1-VERY DEGRADED TO 5- EXCELLENT | PRIORITY FOR MANAGEMENT LOW, MEDIUM, HIGH, VERY HIGH | | | | | |
| 7, 8 | 7: 1.42ha/1012m 8: 1.62ha/1324m | MALLEE HEATH | 3 – GOOD | LOW | | | | | |

PHOTOS & DESCRIPTOR





Site 7: Long thin corridor of Mallee heath vegetation

Site 7: Fenced Mallee heath vegetation

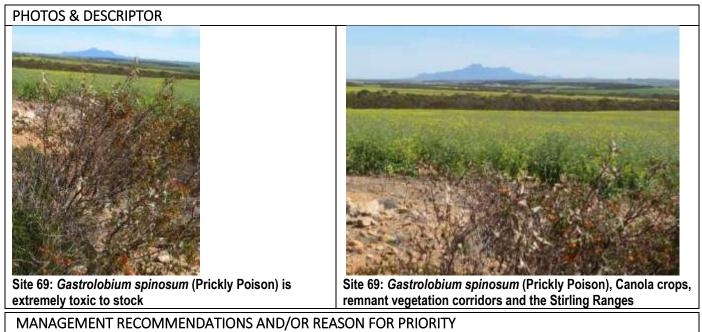
MANAGEMENT RECOMMENDATIONS AND/OR REASON FOR PRIORITY

➢ Fenced − top of fence is 3 line electric

Site 7 & 8 have a high edge to area ratio (long thin strips of vegetation)

> Low priority for fencing as landholder wants to construct dam and clear the vegetation

| Date: 9th Septem | per 2019 | | Recorder/s: N | Melissa Ho | owe, Basil Scl | hur, Angela | Sande | rs | |
|------------------------------------------------|----------------------------------------------|------------------|---------------|-----------------------------------------|----------------|-------------|------------------------|--------|--|
| Photo numbers | 4117-4118 | | | Connectivity to other bushland (Y/N) | | Y – b | Y – boundary vegetatio | | |
| Pompont Vogotat | ion | x | Cross box | Coordin | | E | | | |
| Remnant Vegetation Restoration/Revegetation | | X | Cross box | Zone: 50 | | N E | | | |
| Restoration/Reve | getation | | | Zone: 50 |) | IN | | | |
| Site Vegetation | | | | | | | | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid de | ense | Closed | |
| Upper | | | Х | | Х | | | | |
| Mid | | | Х | | | Х | | | |
| Lower | | | Х | | Х | | | | |
| Ground | | | | | | | | | |
| | - | | | | | | ÷ | | |
| Land Formation | | Level | | Gentle | | Mode | rate | Х | |
| Cross box | | Steep | | Very Stee | ep | Precip | itous | | |
| Wetlands/Creek pre | sent (describe) | | | | | | | | |
| · · · | | | | | | | | | |
| Disturbance/Thre Cross boxes | ats | Stock grazing | N | Recent Fi (<2 yrs) | ire N | Floodi | ng | N | |
| Notes | | F unction | | Dieback | | M (| | | |
| | | Erosion | N | Disease | N | Weeds | 5 | edge | |
| | | Salinity | Ν | | | | | | |
| | | Other | | | | | | | |
| Flora species | | | | | | | | | |
| Eucalyptus specie | s (mallee) | | | | | | | | |
| Gastrolobium spin | | | | | | | | | |
| | | | | | | I | | | |
| Fauna species | | | | | | | | | |
| | | | | | | | | | |
| SUMMARY OF SU | RVEY RESULT | S AND MANA | GEMENT REC | OMMENI | DATIONS | | | | |
| SITE NO. | ITE NO. AREA (hectares)/ PERIMETER (metre | | VEGETATIO | | | | | | |
| | | | MALLEE | | | | | | |
| 69 | 29 | 31ha/486m | HEATH | 4 | - VERY GOO | D | HIGI | н | |



Project 7 – Revegetation: 0.6ha – Fencing: 512m

➢ High priority for revegetation and fencing

| SITE NO: 70 | | | | | | | | |
|--------------------|--------------------------|------------------|--------------|--------------------------------------|-------------|-------------------------------------------------------------|--------|--|
| Date: 9th Septem | ber 2019 | | Recorder/s: | Melissa Howe, | Basil Schur | , Angela Sande | ers | |
| Photo numbers | 4109 | | | Connectivity to other bushland (Y/N) | | Y – boundary vegetation connected to several remnants | | |
| | | 1 | 1 | | | | | |
| Remnant Vegetat | | Х | Cross box | Coordinates | | E | | |
| Restoration/Reve | Restoration/Revegetation | | | Zone: 50 | | Ν | | |
| Site Vegetation | |] | | | | | | |
| | | | | | | | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid dense | Closed | |
| Upper | | | Х | | Х | | | |
| Mid | | | Х | | | Х | | |
| Lower | | | Х | | Х | | | |
| Ground - litter | | | | | | | | |
| | | - | | • | - | - | | |
| Land Formation | | Level | Х | Gentle | | Moderate | | |
| Cross box | | Steep | | Very Steep | | Precipitous | | |
| Wetlands/Creek pre | esent (describe) | | | | | | | |
| | | - | T | T | 1 | | Ţī | |
| Disturbance/Thre | ats | | | | | | | |
| Cross boxes | | Stock grazing | N | Recent Fire (<2 yrs) | N | Flooding | N | |
| Notes | | Erosion | N | Dieback Disease | N | Weeds | edge | |

| С | URRAWON | G — Bushla | and survey | and e | eco-restoration p | olannir | ng |
|------------------------------------------------|---------------------------|----------------|------------|--------|----------------------------------|----------|------------------------------------------------|
| I | | Salinity | N | | | | |
| | | Samily | IN | | | | |
| | | Other | | | | | |
| | | | | | | | |
| Flora species | | | | | | | |
| | | | | | | | |
| | | | | | | 1 | |
| Fauna species | | | | | | | |
| | | | | | | | |
| SUMMARY OF SUR | VEY RESULTS | | GEMENT REC | OMM | ENDATIONS | | |
| SITE NO. | | A (hectares)/ | VEGETATIC | N | VEGETATION CONDI | TION: | PRIORITY FOR |
| | PER | IMETER (metres |) TYPE | | 1-VERY DEGRADED T EXCELLENT | 0 5- | |
| | | | | - | | | LOW, MEDIUM, HIGH, VERY HIGH |
| 70 | 1.2 | 1ha/1110m | MALLEE | | 4 – VERY GOOD | | HIGH – RETAIN |
| PHOTOS & DESCRI | | - 1 - | HEATH | | | | |
| Site 70: Very good co important connectivit | ty | | | | | | |
| | | | | | and important conr | nectivit | v to numerous |
| other r | remnants dge to area r | | ., | | | | , |
| Site no. 14.9 CO | | | | | | | |
| Site no: 14 & 69 Date: 9th September | er 2019 | | Recorder/s | Meliss | a Howe, Basil Schur, | Angela | Sanders |
| Photo numbers | 4110-4112 | I | | Conr | nectivity to r bushland (Y/N) | 6 | 14: N 9: Y – boundary getation (Site 70) |
| | | | | | | | |
| Remnant Vegetatio | on-regrowth | Х | Cross box | Coor | dinates | E | |
| | | | | | | | Page 54 of 66 |

| Restoration/Re | evegetation | | | Zone: 50 | | Ν | | |
|-------------------------|-----------------|------------------|---------------|--------------------|-------------|---------|-----------|---------------------------|
| | | | 1 | | | | | |
| Site Vegetation | n | | | | | | | |
| Cross box | Woodlan | d Shrubland | Mallee Heath | Heath | Open | Mid de | nso | Closed |
| Upper | woodan | | X | neath | Х | Wild de | .1130 | ciosed |
| Mid | | | X | | ~ | x | | |
| Lower | | | X | | х | | | |
| Ground | | | | | | | | |
| | | | | | 1 | | | |
| Land Formatio | n | Level | | Gentle | | Moder | ate | Х |
| Cross box | Cross box | | | Very Steep | | Precipi | tous | |
| Wetlands/Creek | present (descri | be) | | | | | | |
| | | | | | | | | |
| Disturbance/Th | nreats | | | | | | | |
| Cross boxes | | Stock | | Recent Fire | | | | |
| Netes | | grazing | N | (<2 yrs) | N | Floodir | ng | Ν |
| Notes | | Erosion | N | Dieback Disease | N | Weeds | | edge |
| | | Salinity | N | Discuse | | Weeds | , | cubc |
| | | Summey | | | | | | |
| | | Other | | | | | | |
| | | I. | | | | | | |
| Flora species | | |] | | | | | |
| • | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Fauna species | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| SUMMARY OF | SURVEY RESL | JLTS AND MANA | AGEMENT REC | OMMENDAT | IONS | | | |
| SITE NO. | | AREA (hectares)/ | VEGETATIC | | ATION CON | _ | | RITY FOR |
| | | PERIMETER (metre | es) TYPE | | Y DEGRADED | TO 5- | | |
| | | | | EXCEL | | | | , MEDIUM, I, VERY HIGI |
| | | 14: 0.19ha/178n | n MALLEE | | | | | |
| 14 & 69 69: 2.81ha/486m | | | HEATH 4 - VEI | | – VERY GOOD | | VERY HIGH | |



| Date: 9th Septem | ber 2019 | | Recorder/s: N | Recorder/s: Melissa Howe, Basil Schur, Angela Sanders | | | | | | |
|--------------------|-------------------------|-----------|---------------|-------------------------------------------------------|------|-----------|---------------|--|--|--|
| Photo numbers | 4120-4122 | | | Connectivity other bushl | • | Y - ne | Y - neighbour | | | |
| Remnant Vegetation | | X | Cross box | Coordinates | 5 | E | E | | | |
| Restoration/Reve | estoration/Revegetation | | | Zone: 50 | | Ν | | | | |
| Site Vegetation | | | | | | | | | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid dense | Closed | | | |
| Upper | | | | | | | | | | |
| Mid | | | | | | | | | | |
| | | | | | | | | | | |

| CURRAV | VONG — Bu | shlar | nd surve | ey and e | eco-res | storation p | lannir | ıg | |
|------------------------------------|------------------|--------|-------------|-----------------|----------------|----------------|------------|---------|--------------|
| Ground | | | | | | | | | |
| L | | | | | | | | | |
| Land Formation | Level | | | Gentl | е | Х | Moder | rate | |
| Cross box | Steep | | | Very | Steep | | Precip | itous | |
| Wetlands/Creek present (desci | ribe) No | | | | | | | | |
| | | | | | | | | | |
| Disturbance/Threats Cross boxes | Stock grazing | | | Recer (<2 yı | nt Fire rs) | | Floodi | ng | N |
| Notes | Function | | | Dieba | | | 14/ | _ | |
| | Erosion | | | Disea | se | | Weeds | 5 | |
| | Salinity | | nemical bi | urning – w | ind | | | | L |
| | | | ontour line | - | inu | | | | |
| | Other | | | | | | | | |
| | | | | | | | | | |
| Flora species | | | | | | | 1 | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Fauna species | | | | | | | T | | |
| | | | | | | | | | |
| SUMMARY OF SURVEY RES | | | | FCOMM | | | | | |
| SITE NO. | AREA (hectares) | | VEGETA | | 1 | | | DDI | ORITY FOR |
| | PERIMETER (me | | TYPE | | | DEGRADED T | | | NAGEMENT |
| | | | | | | EXCELLENT | | LOW | , MEDIUM, |
| | | | | | | | | | H, VERY HIGH |
| 71 | 4.53ha/632m | | | 4 – VERY GOOD | | | | VEI | RY HIGH |
| PHOTOS & DESCRIPTOR | | | | | | | | | |
| | | | | | | | | | |
| Site 71: Unfenced Mallee heath | with potential b | urning | Trom | | | allee heath re | | | |
| chemical spray drift | | | | recomme | inded as | a Very high p | riority to | o be te | ncea |

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Site 71: Mallee heath remnant assessed to be in Very good condition

MANAGEMENT RECOMMENDATIONS AND/OR REASON FOR PRIORITY

Project 11 – Fencing: 632m (4.53ha)

> Very high priority for fencing due to decent size and Very good condition

| Date: 9th Septem | ber 2019 | | Recorder/s: N | Melissa Howe, | Basil Schur | , Angela Sande | ers |
|--------------------|-------------------------|-------------------|-----------------------------------------|--------------------|-------------|----------------|--------|
| Photo numbers | 4134-4143 | | Connectivity to other bushland (Y/N) | | | Y | |
| Remnant Vegetat | ion | x | Cross box | Coordinates | Coordinates | | |
| Restoration/Reve | estoration/Revegetation | | | Zone: 50 | | Ν | |
| Site Vegetation | - | | | | - | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid dense | Closed |
| Upper | | | х | | Х | | |
| Mid | | | Х | | | Х | |
| Lower | | | Х | | Х | | |
| Ground - litter | | | | | | | |
| Land Formation | | Level | | Gentle | X | Moderate | |
| Cross box | | Steep | | Very Steep | | Precipitous | |
| Wetlands/Creek pre | esent (describe) | | | | | | • |
| · · · | | | | | | | |
| Disturbance/Thre | ats | | | | | | |
| Cross boxes | | Stock | | Recent Fire | | | |
| | | grazing | N | (<2 yrs) | Ν | Flooding | N |
| Notes | | Erosion | N | Dieback Disease | N | Weeds | N |
| | | | N | טואכמאב | IN | vveeus | IN |
| | | Salinity Other | | | | | |
| | | Other | l | | | | |

| CURRAV | VONG — Bushlar | nd survey and e | eco-restoration planni | ng |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|
| L | | | | |
| Flora species Eucalyptus vesiculosa (Red I | Moort) Priority 4 | | | |
| Melaleuca species | | | | |
| Fauna species | | | | |
| | | | | |
| SUMMARY OF SURVEY RES | ULTS AND MANAGE | MENT RECOMM | ENDATIONS | |
| SITE NO. | AREA (hectares)/ PERIMETER (metres) | VEGETATION TYPE | VEGETATION CONDITION: 1-VERY DEGRADED TO 5- EXCELLENT | PRIORITY FOR MANAGEMENT LOW, MEDIUM, HIGH, VERY HIGH |
| 101 | 10.41ha/1123m | MOORT WOODLAND & MALLEE HEATH | 4 – VERY GOOD | VERY HIGH |
| PHOTOS & DESCRIPTOR | • | | · | |
| Site 101: 10.41ha Mallee heath | | Site 101: | View of the Stirling Ranges to | the west |
| recommended as a Very high p recommended as a Very high p site 101: Presence of Red Moo Priority 4 conservation species | rt (Eucalyptus vesiculo | | Landholder, Jeremy Spencer rt (Eucalyptus vesiculosa). | We have a state of the team to the |

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Site 101: Mallee heath on the south-eastern corner boundary of the property

Site 101: Red Moort (*Eucalyptus vesiculosa*), a Priority 4 conservation species.

MANAGEMENT RECOMMENDATIONS AND/OR REASON FOR PRIORITY

Project 12 – Fencing: 1123m (10.41ha)

Very high priority for fencing due to large size, Very good condition and presence of Priority 4 conservation species, *Eucalyptus vesiculosa* (Red Moort)

SITE NO: 90

| Date: 9th Septemb | er 2019 | Recorder/s: N | Recorder/s: Melissa Howe, Basil Schur, Angela Sanders | | | | | |
|-------------------|-----------------------------------------|---------------|-------------------------------------------------------|---------------------------|--|--|--|--|
| | | | | Y - Connected to Site 45, | | | | |
| Photo numbers | Tammar Wallaby (Monje | bup) | Connectivity to | roadside remnant | | | | |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 17 | other bushland (Y/N) | vegetation & Monjebup | | | | |
| | | | | North | | | | |

| Remnant Vegetation | Х | Cross box | Coordinates | E |
|---------------------------------|---|-----------|-------------|---|
| Restoration/Revegetation | | | Zone: 50 | Ν |

| Site Vegetation | | | | | | | |
|-----------------|----------|-----------|--------------|-------|------|-----------|--------|
| | | | | | | | |
| Cross box | Woodland | Shrubland | Mallee Heath | Heath | Open | Mid dense | Closed |
| Upper | | | Х | | | | |
| Mid | | | Х | | | | |
| Lower | | | Х | | | | |
| Ground | | | Х | | | | |

| Land Formation | Level | х | Gentle | Moderate | |
|-----------------------------------|-------|---|------------|-------------|--|
| Cross box | Steep | | Very Steep | Precipitous | |
| Wetlands/Creek present (describe) | No | | | | |

| Disturbance/Threats | | | | | | |
|---------------------|---------|---|-------------|---|----------|---|
| Cross boxes | Stock | | Recent Fire | | | |
| | grazing | Ν | (<2 yrs) | Ν | Flooding | Ν |

| Notes | | | - · | | | Dieback | | | | |
|------------------------|-------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------|-------|---------|-----------------------------|-----------------------|-------------|------------|-------------|
| | | | Erosion | N | | Disease | N | Weed | S | edges |
| | | | Salinity | N | | | | | | |
| | | | Other | | | | | | | |
| | | | Other | | | | | | | |
| Flora s | pecies | | | | | | | | | |
| | ptus species (mallee) | | | | | | | | | |
| | · · · · · · · · · | | | | | | | | | |
| | | | | | | | | | | |
| | species | | | | | | | | | |
| Tamm | ar Wallaby | | | Malle | efowl | | | | | |
| | IARY OF SURVEY RES | | | | | | | | | |
| SUMIN SITE NO | | | | | ETATION | | | | DDI | ORITY FOR |
| | • | AREA (hectares)/ PERIMETER (metre | | | | | RY DEGRAD | | | NAGEMENT |
| | | | | | | EXCE | EXCELLENT | | LOW, MEDIL | |
| | | | | | | | | | HIG | H, VERY HIG |
| | | | | | | | | | | |
| 90 | | 93.96 | 5ha/4520m | | | 4 | | | VE | RY HIGH |
| | DS & DESCRIPTOR | 93.96 | 5ha/4520m | | | 4 | | | VEF | RY HIGH |
| Tamma | r Wallaby in Mallee hea | th vege | etation ion Ma | HE/ | ATH | adjacent to (| | Photo: Ange | | |
| PHOTO Tamma MANA | AGEMENT RECOMM | th vege ENDA | etation ion Mo | HE/ | ATH | adjacent to (| | Photo: Ange | | |
| PHOTO | r Wallaby in Mallee hea AGEMENT RECOMM Very high priority f | to reta | etation ion Mo TIONS AND, | HE/ | ATH | adjacent to O | γ | | | |
| PHOTO Tamma MANA | Tammar Wallaby a | th vege ENDA to reta | etation ion Mo TIONS AND, ain | HE/ | ATH | adjacent to o DR PRIORIT | γ emnant ve | egetation | ela Sa | nders) |
| PHOTO Tamma MANA | r Wallaby in Mallee hea AGEMENT RECOMM Very high priority f | th vege ENDA to reta and Ma dicate | etation ion Me TIONS AND ain alleefowl had | HE/ | ATH | adjacent to o DR PRIORIT | γ emnant ve | egetation | ela Sa | nders) |

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APPENDIX 1 – REMNANT VEGETATION SITES ON CURRAWONG

| SITE ID | AREA (ha) | Fencing (m)(boundary length excluded) | SITE ID | AREA (ha) | Fencing (m)(boundary length excluded) |
|---------|-----------|------------------------------------------|---------|-----------|------------------------------------------|
| 1 | 8.68 | 2043 | 54 | 0.09 | 116 |
| 2 | 0.93 | 692 | 55 | 2.89 | 1404 |
| 3 | 1.49 | 969 | 56 | 0.38 | 310 |
| 4 | 0.31 | 251 | 57 | 0.38 | 471 |
| 5 | 0.55 | 385 | 58 | 0.80 | 439 |
| | | | 59 | 8.86 | |
| 6 | 0.29 | 210 | | | 1528 |
| 7 | 1.42 | 1012 | 60 | 1.99 | 1499 |
| 8 | 1.62 | 1324 | 61 | 0.25 | 246 |
| 9 | 0.72 | 666 | 62 | 1.29 | 501 |
| 10 | 0.59 | 534 | 63 | 0.72 | 912 |
| 11 | 0.15 | 162 | 64 | 0.51 | 344 |
| 12 | 0.09 | 132 | 65 | 0.62 | 434 |
| 13 | 0.11 | 190 | 66 | 6.67 | 2217 |
| 14 | 0.19 | 178 | 67 | 0.43 | 248 |
| 15 | 0.16 | 234 | 68 | 0.28 | 158 |
| 16 | 0.17 | 212 | 69 | 2.81 | 486 |
| 17 | 0.19 | 185 | 70 | 1.21 | 1110 |
| 18 | 0.04 | 115 | 71 | 4.53 | 632 |
| 19 | 0.05 | 124 | 72 | 0.04 | 63 |
| 20 | 0.01 | 49 | 73 | 2.62 | 478 |
| 21 | 0.02 | 73 | 74 | 6.40 | 1006 |
| 22 | 0.02 | 58 | 75 | 1.77 | 1112 |
| 23 | 0.02 | 62 | 76 | 0.24 | 135 |
| 24 | 0.04 | 132 | 77 | 1.51 | 448 |
| 25 | 0.03 | 100 | 78 | 0.31 | 229 |
| 26 | 0.03 | 115 | 79 | 0.44 | 405 |
| 27 | 0.03 | 97 | 80 | 3.52 | 1867 |
| 28 | 0.02 | 77 | 81 | 0.96 | 636 |
| 29 | 0.02 | 57 | 82 | 2.19 | 807 |
| 30 | 0.02 | 69 | 83 | 0.22 | 223 |
| 31 | 0.07 | 114 | 84 | 5.67 | 1248 |
| 32 | 0.04 | 89 | 85 | 0.52 | 330 |
| 33 | 0.06 | 99 | 86 | 0.27 | 265 |
| 34 | 0.06 | 104 | 87 | 0.57 | 348 |
| 35 | 0.18 | 175 | 88 | 0.51 | 652 |
| 36 | 0.03 | 64 | 89 | 1.74 | 652 |
| 37 | 0.15 | 159 | 90 | 93.96 | 4520 |
| 37 | 0.15 | 102 | 90 | 1.64 | 515 |
| | | | | | |
| 39 | 0.02 | 68 | 92 | 0.28 | 223 |

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| | | 1 | | | | |
|--------------------------------------------------|-------|------|-----|-------|------|--|
| 40 | 0.89 | 1129 | 93 | 1.27 | 443 | |
| 41 | 0.83 | 790 | 94 | 9.26 | 1305 | |
| 42 | 0.71 | 841 | 95 | 1.89 | 1026 | |
| 43 | 0.50 | 655 | 96 | 0.24 | 212 | |
| 44 | 0.49 | 549 | 97 | 0.68 | 309 | |
| 45 | 14.59 | 1279 | 98 | 3.19 | 2139 | |
| 46 | 0.37 | 283 | 99 | 1.39 | 648 | |
| 47 | 0.36 | 228 | 100 | 1.90 | 489 | |
| 48 | 0.15 | 163 | 101 | 10.41 | 1123 | |
| 49 | 0.08 | 114 | 102 | 1.29 | 583 | |
| 50 | 0.06 | 117 | 103 | 0.94 | 566 | |
| 51 | 0.14 | 184 | 104 | 37.41 | 5602 | |
| 52 | 0.07 | 109 | 105 | 0.15 | 152 | |
| 53 | 0.03 | 72 | 106 | 0.06 | 91 | |
| TOTAL REMNANT VEGETATION MAPPED: 268.75 hectares | | | | | | |

APPENDIX 2: VEGETATION CONDITION SCALE

| VERY DEGRADED - 1 | DEGRADED - 2 | GOOD - 3 | VERY GOOD - 4 | EXCELLENT - 5 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| The structure of the vegetation is no longer intact and the area is completely or almost completely without native species. These areas are often described as 'parkland cleared' with the flora comprising weed or crop species with isolated native trees or shrubs. | Basic vegetation structure severely impacted by disturbance. Scope for regeneration but not to a state approaching good condition without intensive management. For example, disturbance to vegetation structure caused by very frequent fires; the presence of very aggressive weeds; partial clearing; dieback; & grazing. | Vegetation structure significantly altered by very obvious signs of multiple disturbances. Retains basic vegetation structure or ability to regenerate it. For example, disturbance to vegetation structure caused by very frequent fires; the presence of some very aggressive weeds at high density; partial clearing; dieback; & grazing. | Vegetation structure altered; obvious signs of disturbance. For example, disturbance to vegetation structure caused by repeated fires; the presence of some more aggressive weeds; dieback; logging; & grazing. | Vegetation structure intact; disturbance affecting individual species; weeds are non-aggressive species. |

Note: Condition scale adapted from Keighery Condition Scale (Keighery, 1994 and Casson et al., 2009).

Five central scores are mainly used from "VERY DEGRADED" (1) to "EXCELLENT" (5). At either side of these could be "ALIENATED" (A) and "PRISTINE" (P). In general, it is unlikely that "A" will apply because it refers to the built environment or land that is under agriculture or horticulture, which lacks any native plants and most other native organisms. In general, it is likely that "P" will not commonly be used because there are very few places that have not been subject to feral animal grazing (rabbits, camels, goats, etc) or that have remained unaffected by exacerbated wind-borne dust deposition, or emissions (*Casson et al., 2009*).

APPENDIX 3: FLORA SPECIES RECORDED ON THE PROPERTY



Figure 1: Hakea laurina (Pincushion Hakea)



Figure 3: Bankisa media (Southern Plains Banksia)



Figure 2: Banksia media (Southern Plains Banksia)

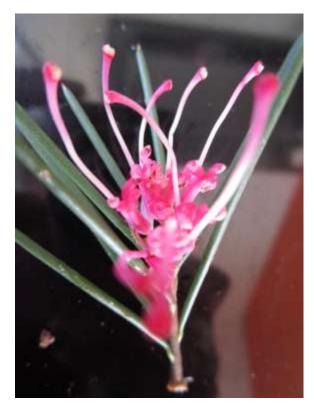


Figure 4: Hakea verrucosa

Photos: Jane Thompson



Figure 5: Leptospermum ?maxwellii



Figure 6: Rhadinothamnus rudis



Figure 7: Thryptomene australis



Figure 8: Rinzia ?longifolia - Priority 4 flora species

Photos: Jane Thompson