

GMC ENVIRONMENTAL CONSULTING

HW10 Pacific Highway Upgrade, Woolgoolga to Ballina – Koala Revegetation, Section 10

2021/22 Annual Inspection Report



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1. Koala Revegetation Works description

The NSW Government committed to plant 130 hectares of new habitat for the koala along Section 10 of the W2B highway alignment. These planting areas consisted of various combinations of cleared land used for grazing or sugar cane production. A Koala Revegetation Strategy was developed and identified approximately 130 hectares of cleared land for new Koala habitat across 21 sites.

The three main objectives of this revegetation include:

- Establish new habitat for Koala using preferred Koala food trees to compensate for habitat loss.
- Improve habitat connectivity within the fragmented landscape.
- To guide movement of Koalas towards the road connectivity structures that will be provided to ensure safe passage for dispersing Koalas.

The completed works undertaken as part of the project is summarised in Section 1.5.

1.1 Planting areas

A total of 21 sites were originally identified for the Koala Revegetation Works. A further 4 sites were added to the Project area. The main planting zones include:

- Planting Area 1- Lumleys Lane/Gubay Rd
- Planting Area 2 Thurgates Lane/Hillside Rd
- Planting Area 3 Bagotville
- Planting Area 4 Back Channel
- Planting Area 5 Wardell Rd
- Planting Area 6 Gibson's Quarry

An overview of the Koala Revegetation Works is provided in Figure 3. A detailed overview of all the planting areas is provided in Figures 4 - 9. Planting sites within the areas range in size from 0.22 hectares to 7.56 hectares.

The planting areas have been identified into five broad categories reflecting the physical nature of the sites:

- Type A: flat low-lying topography pastoral grasses.
- Type B: flat low-lying topography cane fields (high water table).
- Type C: lower to mid slopes pastoral grasses.
- Type D: flat low-lying topography sandy soils with pastoral grasses.
- Type E: flat low-lying topography to upper slopes planting between existing vegetation.

1.2 Koala tree species

A combination of primary/secondary Koala food trees and some shelter trees was planted out in the revegetation areas. Tree species proposed across the varied planting areas reflect site specific soil types, drainage conditions and topographical positions.

Swamp Mahogany (*Eucalyptus robusta*) and Broad-leaved Paperbark (*Melaleuca quinquenervia*) are planted on lower slopes and flats as these species are particularly suited to poorly-drained, and seasonally-inundated, boggy areas. Forest Red Gum (*Eucalyptus tereticornis*), Forest Oak (*Allocasuarina torulosa*), Flooded Gum (*Eucalyptus grandis*), Small-leaved Red Gum (*Eucalyptus seeana*) and Red Mahogany (*Eucalyptus resinifera*) are planted on lower slopes on fertile soils. Tallowwood (*Eucalyptus microcorys*), and Forest Oak (*Allocasuarina torulosa*) are planted on midupper slopes.

A 'cover crop' of fast-growing Acacias was also planted within eucalypts in locations of drier, rocky or sandy soils growing on mid-upper slopes. The purpose of the Acacia species is to develop microbial

(nitrogen fixing) communities within the soil through symbiont mycorrhiza and increase the growth rate of Eucalypt species. Acacia species include *Acacia irrorate*, *Acacia melanoxylon* and *Acacia fimbriata*.

In the Wardell Road Planting Area additional scrub species were included in the planting mix that are not specially Koala food plants but were endemic to the planting area –

- Banksia aemula
- Baekea frutescens
- Lomandra longifolia
- Dianella caerulea
- Baloskion tetrapphyllum.

1.3 Planting regime

Seedlings were sourced locally (local provenance). A stocking rate of 300-400 trees per hectare after 10 years post establishment is proposed. Koala food and shelter tree species are planted at a density of around 625 plants per hectare.

1.4 Planting management

An initial planting density of 650 plants per hectare, with 5 per cent replacement of Koala food tree tube-stock annually for three years due to losses is proposed. Replacement of Acacia cover-crop species is not proposed. After three years, the stand of planted eucalypts should be considered "established" and any further losses regarded as part of natural stand thinning due to competition with other planted trees. A stocking rate of 300-400 trees per hectare is expected after several decades following plantation establishment.

1.5 Project progress summary to date

- 17 March 2017 2017 project planting commenced
- 18 October 2017- 2017 project planting competed (113 hectares / 79,129 plants)
- 19 October 2017 Project maintenance commenced
- June 2018 First Annual Inspection Report
- 21 August 2018- Additional project planting area completed Wardell Rd (0.44 hectares / 385 plants)
- December 2018 Woolgoolga to Ballina Pacific Highway upgrade Koala Revegetation Strategy Addendum Roads and Maritime Services | December 2018 - Identification of additional revegetation areas – 17.8 hectares / 12,015 plants - made up of:
 - o Area 1 Kays Rd (Chainage 156300) 6.6 hectares / 4,455 plants
 - o Area 2 Hillside Lane (Chainage 152300) 11.2 hectares / 7,560 plants.
- 27 June to 8 July 2019 Second Annual Inspection Report.
- 20 July to 22 July 2020 Third Annual Inspection Report.
- November 2020 Prepare & plant final koala revegetation planting areas Kays Rd and Hillside Lane (Old Batch Plant).
- November 2020 Competition of 3-year contracted maintenance program
- January 2021 Additional 12-month maintenance program commenced.
- 24 July to 26 July 2021 Fourth Annual Inspection Report
- 27 July to 16 August 2022 Fifth Annual Inspection Report (This Report).



2. Revegetation Inspection Report Details

Site Revegetation Inspection -

o Completed By:

Guy Corbett – Bach.App.Sci. (Resource Management) & Grad.Dip. (Catchment Management) – Director GMC Environmental Consulting PTY LTD

Inspection Dates:

27 July to 28 July 2022

o Aim:

Koala Revegetation Monitoring -

The koala revegetation monitoring was generally undertaken as per the Ballina Koala Revegetation Strategy and Koala Management Plan, specifically section 8.6 Monitoring.

The BKRSKMP asked for monitoring of the success of the revegetation to occur across all field sites monitoring one plot per two hectares of revegetation on each occasion. Monitoring should occur at the same period each year. Each site should be marked with a star picket and flagging tape and the location should also be recorded with a GPS. Annual monitoring should occur at each site from year 1, where the following variables are recorded within a 50 x 20 m (0.1 ha) quadrat. Annual monitoring will occur at each site where the following variables are recorded:

- Density of Koala food trees and shelter trees, their average height and number of visible dead stems.
- · Presence and dominance of any environmental weeds, including exotic grasses.
- Presence and condition of Acacia cover-crop, if planted.
- One photo taken at the star picket, facing south (on an 180^o degree bearing).

These observations will identify if any large infestations of environmental weeds are occurring and their location, if any large-scale plant deaths have occurred and if any other environmental issues are developing, such as sheet or gully erosion.

The survey method utilised for this report was undertaken as per the BKRSKMP **except** that the observations where increased to cover 100% of each revegetation area (in most instances) rather than a plot every 2 hectares of 0.1ha. This was undertaken by the surveyor to provide a more complete picture of the revegetation works progress across all planting sites completed to date.

Timing -

Annual monitoring of the success of the plantings will occur at each site. Monitoring will occur at the same period each year. The monitoring should continue for at least five years, and/ or until plantings across 90% of plots have an average height of eight metres (unless otherwise agreed with the EPA).

Inspection Sheets -

Completed 2021 Project Site Revegetation Inspection for TfNSW are provided in Appendix 1 of this report.

Site Revegetation Inspection Report -

Completed by:

Guy Corbett.

o Date:

16 August 2022

o Aim:

The results of the annual field surveys to be summarised in an annual report provided within two months of the completion of the field surveys. The monitoring should continue for at least five years, and/ or until plantings across 90% of plots have an average height of eight metres.

3. 2017-20 Project Revegetation Planting

3.1 Project seed/plant source

Seed Collection -

2017 Seed collection

All seed was collected by Mullum Creek Native Nursery.

Eucalyptus robusta, Eucalyptus tereticornis, Eucalyptus Seeana, Eucalyptus resinifera, and Melaleuca quinquenervia seed was collected around Meerschaum Vale along Wardell Road, Old Bagotville Road, Bogotville Road, and around Wardell along Lumleys Lane, River Drive and around Pimlico along Pimlico Road. This seed was collected from 2010 and stored at the Mullum Creek Nursery. Further project seed was collected from June 2016 onwards to add to the existing seed.

Eucalyptus grandis, Eucalyptus microcory's and Allocasuarina torulosa was collected from June 2016 onwards for the project. These were collected from the Bagotville/Wardell area at the same locations as above.

A. melanoxylon, A. irrorata and A. fimbriata seed was collected from June 2016 in the Brunswick Heads/Tweed area.

2018 Seed collection

All seed collected by Eastern Forest Nursery.

Seed supply from Northern NSW regional zone.

2020 Seed collection

All seed collected by Eastern Forest Nursery.

Seed supply from Northern NSW regional zone.

Plant Supply -

2017 Project Plant Supply Nursery

All project plants were propagated, grown and sourced from Mullum Creek Nursery – 110 Yankee Creek Rd Mullumbimby NSW.





Figure 1. Project plant propagation

2018 Project Plant Supply Nursery

All project plants were propagated, grown and sourced from Eastern Forest Nursery – 848 Bruxner Highway Gundurimba (via Lismore) NSW.

2020 Project Plant Supply Nursery

All project plants were propagated, grown and sourced from Eastern Forest Nursery – 848 Bruxner Highway Gundurimba (via Lismore) NSW.





Figure 2. Eastern Forest Nursery

3.2 Project Revegetation Planting

2017-2020 Planting Areas – Revegetation Planting

The total project revegetation works was undertaken from March 2017 through to November 2020. The total area planted was approximately 132 hectares with 91,853 trees planted as summarised in Table 1. Tree species and numbers of trees planted (not including replanting activities) is summarised in Table 2. The planting areas are illustrated in Figures 3 to 9.

Table 1. Project 2017 to 2020 Revegetation Planting and Hectares Planted

| Planting Dates | Koala Food Trees / Other Plants | Cover Crop | Total | Area | |
|---------------------|------------------------------------|----------------|--------|-----------|--|
| 2017 Planting | 72,102 | 2 6,891 78,993 | | 113 Ha | |
| 2018 Planting | 385 | | 385 | 0.44 Ha | |
| 2020 Planting | 11,515 | 960 | 12,475 | 18.54 Ha | |
| Total at Completion | 84,002 | 7,851 | 91,853 | 131.98 Ha | |

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Table 2. Project 2017 to 2020 Revegetation Species Planted

| Project Planted Species | Number Planted |
|---|----------------|
| Eucalyptus robusta | 25,406 |
| Melaleuca quinquenervia | 5,120 |
| Eucalyptus tereeticornis | 21,548 |
| Eucalyptus seeana | 256 |
| Eucalyptus resinifera | 4,454 |
| Eucalyptus grandis | 3,816 |
| Eucalyptus microcorys | 19,831 |
| Allocasuarina torulosa | 3,286 |
| Acacia irrorata | 5,269 |
| Acacia fimbriata | 2,540 |
| Acacia melanoxylon | 42 |
| Banksia aemula | 45 |
| Baekea frutescens | 55 |
| Lomandra longifolia | 85 |
| Dianella caerulea | 50 |
| Baloskion tetrapphyllum | 50 |
| Number of trees (not including replanting activities) | 91,853 |

2017 Planting Areas - Revegetation Planting

The 2017 project revegetation planting was undertaken from March 2017 through to October 2017. The total area planted was 113 hectares with 78,993 trees planted as summarised in Table 3. Tree species and numbers of trees planted (not including replanting activities) is summarised in Table 4. The planting areas are illustrated in Figures 4-7 below (except Kays Rd planting block in Figure 4 and Batch Plant planting block in Figure 5).

It should be noted that while generally the original planting program was followed, because of the identification of Hairy Joint Grass species in some of the planting areas, some planned revegetation planting was not undertaken. The main areas affected by Hairy Joint Grass presence is in Planting Areas 16, 17.1, and 18.2-4. A further reduced planting area occurred in Planting Areas 8.4 & 5 due to a near neighbour issue.

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Table 3. Project 2017 Revegetation Planting and Hectares Planted

| Planting Dates | Koala Food Trees / Other Plants | Cover Crop | Total | Area | |
|----------------|------------------------------------|------------|--------|--------|--|
| 2017 Planting | 72,102 | 6,891 | 78,993 | 113 Ha | |

Table 4. Project 2017 Revegetation Species Planted

| Project Planted Species | Number Planted |
|---|----------------|
| Eucalyptus robusta | 22,643 |
| Melaleuca quinquenervia | 3,774 |
| Eucalyptus tereeticornis | 19,082 |
| Eucalyptus seeana | 139 |
| Eucalyptus resinifera | 3,193 |
| Eucalyptus grandis | 2,593 |
| Eucalyptus microcorys | 17,392 |
| Allocasuarina torulosa | 3,286 |
| Acacia irrorata | 4,789 |
| Acacia fimbriata | 2,060 |
| Acacia melanoxylon | 42 |
| Number of trees (not including replanting activities) | 78,993 |

2018 Planting Areas - Revegetation Planting

The 2018 project revegetation planting was undertaken from September through to October 2018. The total area planted was 0.44 hectares with 385 trees planted as summarised in Table 5. Tree species and numbers of trees planted (not including replanting activities) is summarised in Table 6. The planting areas are illustrated in Figure 8 below.

This planting was undertaken as additional planting works to off-set road widening works being undertaken on Wardell Rd.

Table 5. Project 2017 Revegetation Planting and Hectares Planted

| Planting Dates | Koala Food Trees / Other Plants | • | | Area | |
|----------------|------------------------------------|---|-----|---------|--|
| 2017 Planting | 385 | ı | 385 | 0.44 Ha | |

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Table 6. Project 2018 Revegetation Species Planted

| Project Planted Species | Number Planted |
|---|----------------|
| Eucalyptus robusta | 55 |
| Melaleuca quinquenervia | 45 |
| Banksia aemula | 45 |
| Baekea frutescens | 55 |
| Lomandar longifolia | 85 |
| Dianella caerulea | 50 |
| Baloskion tetrapphyllum | 50 |
| Number of trees (not including replanting activities) | 385 |

2020 Planting Areas - Revegetation Planting

The final 2020 project revegetation planting was undertaken from September 2020 through to November 2020 The planting areas were spread across 3 sites –

- Hillside Lane (Batch Plant Site)
- Kays Road
- Gibson's Quarry (Off Bagotville Rd)

The Hillside Lane & Kays Road planting areas were identified from the document - *Woolgoolga to Ballina Pacific Highway upgrade Koala Revegetation Strategy Addendum Roads and Maritime Services - December 2018 - Identification of additional revegetation areas.* This report identified the remaining 17.8 hectares / 12,015 plants required for the W2B Koala Revegetation Strategy to make up the total project planted area of 130 hectares

The Gibson's Quarry plantings was additional revegetation planting to close out the remediation works for the quarry site.

The combined total area planted was 18.5 hectares with 12,475 trees planted as summarised in Table 7. Tree species and numbers of trees planted (not including replanting activities) is summarised in Table 8. The planting areas are illustrated in Figures 4 (Kays Rd planting area), 5 (Batch Plant planting area) and 9 below.

Table 7. Project 2020 Revegetation Planting and Hectares Planted

| Planting Area | Area (hec) | Koala Trees at 625/hec | Acacia Cover Crop at 8% | Total Trees |
|---|------------|------------------------|----------------------------|-------------|
| Kays Rd - Chainage 156300 | 6.6 | 4,125 | 330 | 4,456 |
| Hillside Lane (Batch Plant Site) - Chainage 152300 | 11.2 | 7,000 | 560 | 7,559 |
| Gibson's Quarry – Chainage 148500 | 0.7 | 460 | | 460 |
| Total | 18.5 | 11,515 | 960 | 12,475 |

Table 8. Project 2020 Revegetation Species Planted

| Species | Kays Rd | Hillside Lane (Batch plant) | Gibson's Quarry | 2020 Total |
|--|---------|--------------------------------|--------------------|------------|
| Eucalyptus robusta | 980 | 1663 | 65 | 2,708 |
| Melaleuca Quinquenervia | 446 | 756 | 99 | 1,301 |
| Eucalyptus tereeticornis | 891 | 1512 | 63 | 2,466 |
| Eucalyptus seeana/pilularis | - | - | 117 | 117 |
| Eucalyptus resinifera/planchoniana | 446 | 756 | 59 | 1,261 |
| Eucalyptus grandis/Corr. Gummeriferia | 446 | 756 | 21 | 1,223 |
| Eucalyptus microcorys | 891 | 1512 | 36 | 2,439 |
| Acacia irrorata (cover crop) | 178 | 302 | | 480 |
| Acacia fimbriata (cover crop) | 178 | 302 | | 480 |
| Total | 4,456 | 7,559 | 460 | 12,475 |

2021 Planting Areas – Revegetation Planting

No further planting activities occurred during this reporting period.

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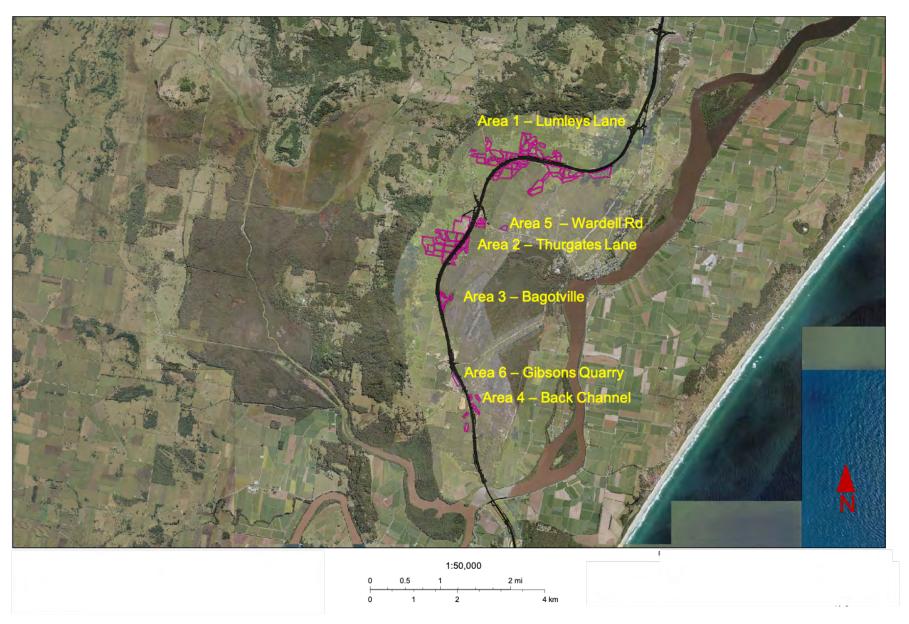


Figure 3. Koala Revegetation Planting Areas

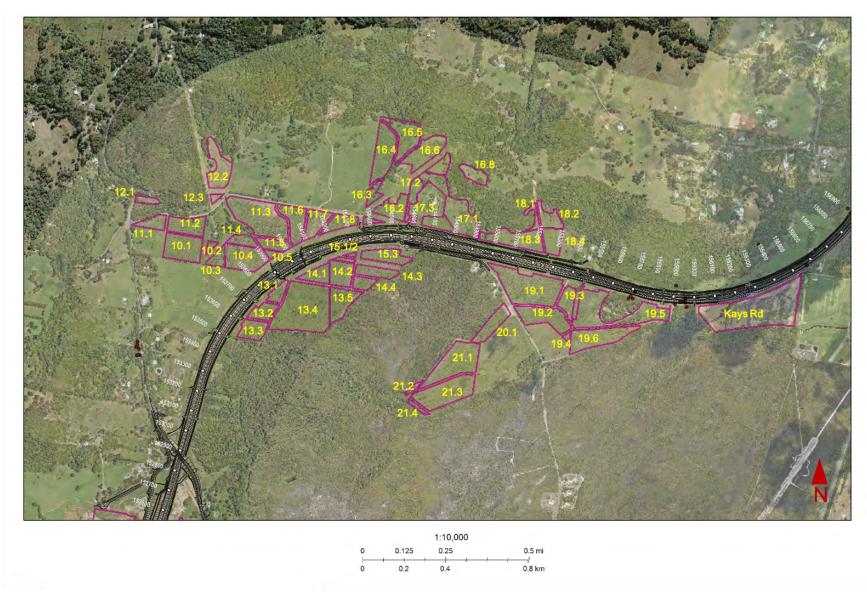


Figure 4. Planting Areas along Lumleys Lane Wardell

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Figure 5. Planting Areas along Thurgates Lane & Hillside Lane, Wardell

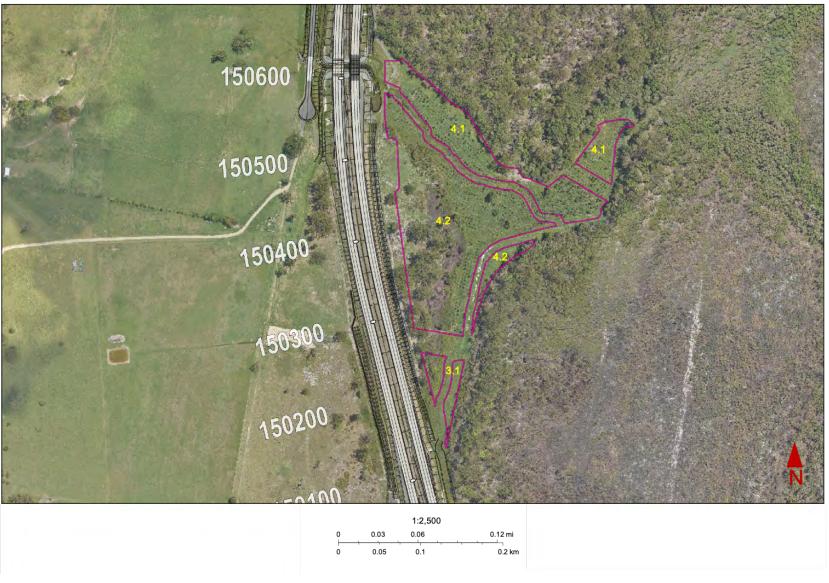


Figure 6. Planting Areas around Bagotville

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Figure 7. Planting Areas Back Channel Rd

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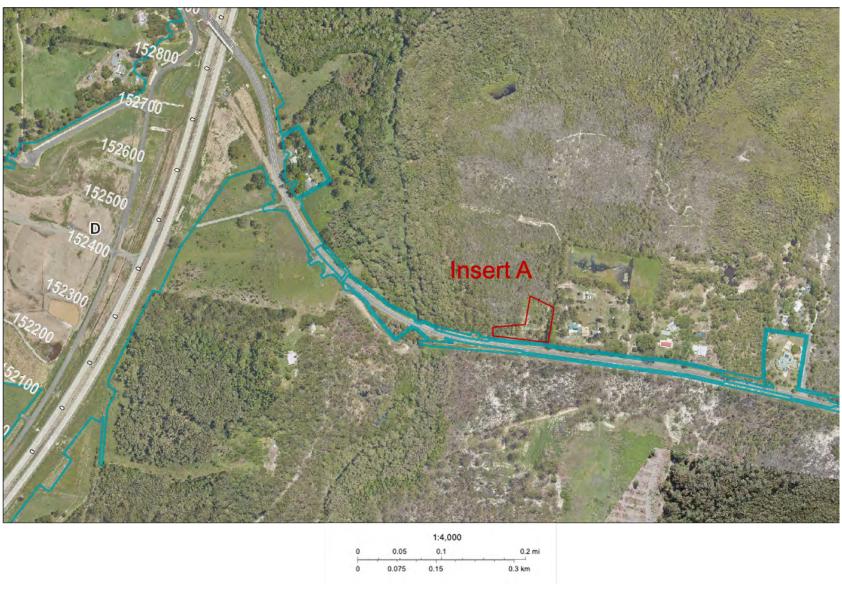


Figure 8 2018 Planting Areas Wardell Road

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Figure 9. Planting Areas Gibson's Quarry

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4. Annual Inspection - Observations

As detailed in Section 1 of this report, an annual inspection of all the project revegetation planting areas was undertaken. As part of this inspection, an inspection record and site photo were recorded for each planting area. These inspection records are provided in Appendix 1 of this report.

A summary of the main observations from these inspections are discussed below:

Plant Survival and Growth

Generally, plant survival across the whole project continues to be very good. The trees across most planting sites are growing very well with average heights ranging between 10m to 15m. The tallest tree observed and measured was in excess of 20 metres in height. In most instances' trees have increased in height around 1 to 10 metres in size since the 2021 inspection. While increasing in height, the trees are also continuing to increase in foliage width and density to the point that in a number of instances the canopy has started to close in. Observation during the annual inspection indicated there is no additional replacement planting required.

Across the project to date there has been approximately 6% project replanting due to natural causes and a further 8% replanting due to external pressures outside of the control of the project. Since the last inspection no further plant replacements have been required. Section 6.1 of this report details replanting activities that have been undertaken to date.

The main issue identified again in this year's inspection, but to a much lower degree, is weed/grass competition affecting plant growth.



Figure 10. Tree Growth Across Project

Weather

This reporting season proved a very wet year with two flooding events recorded across the district. 2879mm was recorded during the reporting period. The rainfall and flooding received has made the soils in the planting zones continually saturated.

At present the only trees dying off are acacias especially in Planting Areas – Gubay and Hills Side Lanes. Other koala trees are stressed to different levels but generally the only result is stagnated tree growth.

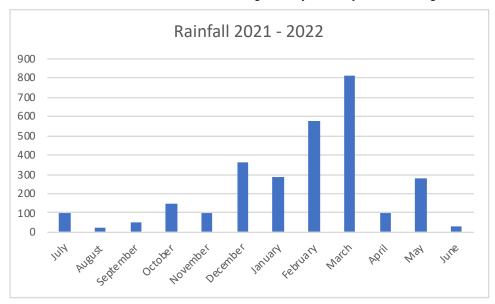




Figure 11. Acacia Dieback in Planting Areas

Weed Competition

The BKRSKMP asks that where woody weeds are present, weeds should be reduced to a density of less than 5% across the revegetation site, while exotic grasses should not be visibly affecting the growth of tube-stock. Weed competition is discussed fully in Section 5 of this report, but generally, weed competition is now much less of an issue than previous inspections. Pasture grasses have now recolonised strongly within the tree planting areas to the point that there is little weed dominance in most of the planting zones except sugar cane that is persisting in Planting Areas 19, 20 and 11. The sugar cane is being controlled with mechanical inputs (tractor slashing and brush cutting) and herbicide spraying.

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Continual slashing and row mowing are occurring regularly to reduce pasture grass competition within planted trees. Grass control for longer term management of the planting sites is discussed in Section 5.2.

Most tree heights across all planting zones are now above weed/grass height and thus not competing as much for sunlight.



Figure 12. Grass Control within Planting Areas

Psyllid infestations

Psyllid infestation has been observed in planting areas around Gubay Rd. Psyllid is generally distributed by Bell minors and has mainly been observed in Tallowoods. The Psyllid is mainly affecting stressed trees in very wet continually wet soil zones.

Affected trees are defoliated but no tree deaths have been observed.

No further management treatment is planned at present except continually monitoring of affected zones.



Figure 13. Psyllid infestations within Planting Areas

Unauthorised Cattle Grazing

Unauthorised cattle were observed in Planting areas 7.1-3. The cattle have entered through cuts in parameter fencing. Generally, the cattle do not affect larger tress greater than 3m but smaller slower growing trees have been defoliated or pushed over.

No further management treatment is planned at present except repair of damaged fences as identified.



Figure 14. Unauthorised Grazing within Planting Areas

5. Project Weed Issues

5.1 Project Weed Control Strategies Utilised 2021-22

At Project inception its was planned to mulch each tree with project site won-mulch. Prior to revegetation works it was identified that the proposed mulch would not be available. To manage post planting weed issues, GMC and Pacific Complete agreed to a revised maintenance weed strategy involving post planting weed maintenance consisting of herbicide spraying and increased site mowing/slashing.

Weed control methodology used in 2021-22:

Row Mowing and Row Spraying Chemical Control -

- Type Row mowing (Tractor/Razorback Mower & also introduced brush cutters with steel blades that area effectively assisting with the control of sugar cane within the planting rows.)
 Chemical row spraying around planted trees
- Chemical Basta Active Ingredient: Glufosinate Ammonium Target: Non-Selective Grasses/Weeds

Access Issues

Access into some planting sites for maintenance activities because of road works has continued to be an issue. The main areas of issue are –

- Planting areas 13.1-3
- Planting Area 3-4

Maintenance activities in these areas continues to be restricted to manual activities due to restricted access but tree establishment and growth generally is not being affected with tree heights now exceeding weed/grass heights.

5.2 Project Weed Control - Grazing

With the assistance from local landowners and approval from TFNSW, small scale grazing is continuing in two koala revegetation planting areas – 11.3 and 12.2.

Generally, the grazing continues to be successful in reducing weed/grass impacts around the establishing trees without too much evidence of tree damage. As detailed in the 2020 Annual Report grazing issues were identified and these issues / management strategies are still current:

- 1. Sheep & and cattle grazing did reduce weed/grass build up without significant tree damage
- 2. Sheep grazing was successful on the higher ground of planting area 11.3 but most of the planting zones are wet/inundated soils which will require greater grazing management to limit soil compaction and tree damage
- 3. Regular and consistent management of cattle grazing is required to limit over grazing and damage to establishing trees
- 4. It was observed (visual only) that soil compaction was occurring in heavily trafficked areas around some established trees from grazing animals. Higher levels of compaction were observed in wetter or saturated soils. Compacted soils around establishing trees can affect plant growth and viability. As most of the project planting areas are in areas with moist/saturated soils, soil compaction will be an issue that will be required to be managed if livestock grazing is continued to be utilised to manage grass growth within the trees lots.







PA11.3 Sheep Grazing Area

6. 2021-22 Maintenance Activities

6.1 Replanting

During 2021-22, no additional re-planting activities were undertaken as the sites are reaching growth and maturity to enable them to be identified as 'Established'. A summary of project replanting since the commencement of the project is detailed below.

Project Replanting:

Replanting has occurred because of:

Natural causes – weed completion, saturated ground, inappropriate species planting and general losses

External Pressures – Unplanned cattle grazing, floods and bush fire.

Natural Cause Replanting:

The Project has been undertaking natural cause plant replacement. To date approximately 5,500 plants have been replanted which is about 6% replacement. Of these replacements, approximately 1000 were replanted during 2018-19. The main reasons for replacement have been weed completion, saturated soils and species selection.

Weed Competition:

Weed competition is discussed in Section 5 of this report.

Saturated Soils:

The Project area is generally in lower slope areas and are subject to prolonged saturated soils. Some tree species have responded well to these conditions - *E. robust & M. quinquenervia*, and some responding well with time – *E. tereeticornis*, but some species especially the acacias have not responded well to poorly drained saturated soils but have done well in elevated slopes.

Species Selection:

The main species suffering from poor site selection is *Allocasuarina torulosa* – Forest Oak. Forest Oak is generally an upper slope species. This species was planted in most of the lower slope areas of the project and the plant species has not survived well in these lower saturated soil situations

External Pressure Replanting:

The Project has been undertaking external pressure plant replacement as required. To date approximately 6,500 plants have been replanted which is about 8% replacement. The main areas for replacement have included:

- Planting Areas 1 & 2 Bushfire
- Planting Areas 6 8 Unplanned Cattle Grazing
- Planting Areas 10.1 & 11.1 Unplanned Cattle Grazing
- Planting Areas 13.1-3 Unplanned Cattle Grazing
- Planting Areas 19 -21 Flooding

6.2 Weed Control

Project weed control issues and controls is detailed in Section 5 of this Report.

6.3 Wallaby Grazing Control

Wallaby Fence

22km of wallaby fence was installed project wide to protect planted trees from wallaby grazing.

With most planting zones tree heights now average between 5-8m in height, as such the risk of wallaby grazing in these zones is minimal. Wallaby fence removal has now been completed in most planting areas.

The only areas where fence removal has not occurred is in the 2020 Planting Area's – Batch Plant (Hillside Lane) & Kays Rd. Final fence removal will occur prior to December 2023.

7. Upcoming Works – Current till December 2023

7.1 Maintenance Activities

Upcoming Project works for 2022-23 include continued row slashing and row spraying prior to contracted project maintenance works completion in December 2023.

7.2 Replacement Tree Replanting

From the annual inspection no additional tree replacements have been identified.

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8. Appendix 1 - 2022 Annual Inspection Record Sheets

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| Site 1 | | | | | | | | | |
|-------------------------|--------------------------------|---|-------------------------|-------------------------------|----------------|----------------|---------------|-------|----------------|
| Planting Area: | 19.1 | GPS Location: | -28.55.651S/153.27.265E | Quadrant Area: | 4hec | Planting Date: | 23/3/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16m2 | Average Tree Height: | 10/15m | No. of Visible Dead Stems: | 9 | W | | | |
| Environmental Weeds: | | s well under contr w slashing, brush | | control. Weed | | | | | |
| Acacia Survival: | Very few acad | cias evident | | | | | | | |
| Comments: | Continued str last 12 month | | growth. Trees hav | e again grown abou | t 5m over the | | uly Killiga s | | and a person a |
| | Wallaby fenci | ing has been remo | oved. | | | | | | |
| Site 2 | | | | | | | | | |
| Planting Area: | 19.2 | GPS Location: | -28.55.910S/153.27.359E | Quadrant Area: | 2 hec | Planting Date: | 24/3/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16m2 | Average Tree Height: | 7-10m | No. of Visible Dead Stems: | 5 | | | | |
| Environmental Weeds: | Pasture grass | s mostly remaining | g. Row slashing ar | nd under spraying c | ontinuing. | | | | |
| Acacia Survival: | Very few acad | cias evident | | | | | | | |
| Comments: | | h than PA19.1 as growth over the l | | ea, but good canopy | growth with | | | | |
| | No replanting PA. | activities planned | l for this area. Wa | llaby fence has bee | n removed from | | | | |



Good stem growth - PA19.1



Canopy closure commencing - PA19.1



PA19.1 from Lumleys Lane



Good tree structure PA19.1



| Site 3 | | | | | | | | | |
|-------------------------|-------------------------------|---|--------------------------|-------------------------------|--------------|----------------|--------------------------|-------|---------------|
| Planting Area: | 19.3 | GPS Location: | -28.55.873\$/153.27.418E | Quadrant Area: | 0.3hec | Planting Date: | 24/3/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16m2 | Average Tree Height: | 5-7m | No. of Visible Dead Stems: | 4 | | | | |
| Environmental Weeds: | Generally ve | ry good weed cont | rol. Row slashing | eed control. | | | | | |
| Acacia Survival: | Very few aca | icias evident | | | | | Variation (Section 1997) | | Minus Charles |
| Comments: | over the last Wallaby fend | urvival and tree gro 12 months sing has been remo g and under sprayi | oved from PA. | | | | | | |
| Site 4 | | | | | | | | | |
| Planting Area: | 19.5 | GPS Location: | | Quadrant Area: | 4.5 hec | Planting Date: | 17/3/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16m2 | Average Tree Height: | 10-15m | No. of Visible Dead Stems: | 1 | | | | |
| Environmental Weeds: | | ne slashed/brushc rows and remove o | ed to allow | | | | | | |
| Acacia Survival: | Very few aca | ıcias evident | | | | | | | |
| Comments: | the last 12 m Wallaby fend | onths | PA is very good. | Trees have grown | about5m over | | | KAN. | |



PA19.5 Staff pole at 5m



PA19.5 tree growth



Volunteer sugar cane in PA19.5



PA19.5 Staff pole at 5m



| Site 5 | | | | | | | | | |
|-------------------------|---------------|---|-------------------------|-------------------------------|---------|----------------|---------|-------|--------------|
| Planting Area: | 19.6 | GPS Location: | -28.55.958S/153.27.585E | Quadrant Area: | 2.7 | Planting Date: | 21/3/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-15m | No. of Visible Dead Stems: | 3 | | | | |
| Environmental Weeds: | Good weed | control via row slas | | | | | | | |
| Acacia Survival: | Very average | acacia survival | | | | | | | |
| Comments: | No replanting | rown about 5m ov g activities planned ing has been remo | l for this area. | | | | | | |
| Site 6 | | | | | | | | | |
| Planting Area: | 20.1 | GPS Location: | 28.55.57\$/153.27.35E | Quadrant Area: | 1.5 hec | Planting Date: | 28/3/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-15m | No. of Visible Dead Stems: | 6 | | | | |
| Environmental Weeds: | | control via row slas | , | | | Aar | | | |
| | Wallaby fend | e removed | - | 《) | | | | | |
| Acacia Survival: | Very average | survival | | | | | | | |
| Comments: | 12 months. | ree growth in this a | area since the las | } | | | | | |



| Site 7 | | | | | | | | | |
|-------------------------|--|-------------------------|----------------------|-------------------------------|-------|----------------|----------|-------|-------------|
| Planting Area: | 21.1 | GPS Location: | 28.55.55S/153.27.13E | Quadrant Area: | 3 hec | Planting Date: | 29/3/17 | Date: | 28 July 202 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-12m | No. of Visible Dead Stems: | 5 | | | | . G. |
| Environmental Weeds: | Sugar cane - | cane has been sla | ashed | | | | | | |
| Acacia Survival: | Some survive | ed but generally ve | ry poor survival ra | | | | | | |
| Comments: | Sugar cane to be continued to be controlled. The trees in this area are now well above grass and weed heights and are looking well established. Continued Row slashing required in this area. | | | | | | | | |
| Site 8 | | | | | | | | | |
| Planting Area: | 21.3 | GPS Location: | 28.56.1S/153.27.4E | Quadrant Area: | 3hec | Planting Date: | 28/4/17 | Date: | 28 July 202 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 3m | No. of Visible Dead Stems: | 15 | | See Jane | | *1246 |
| Environmental Weeds: | Pasture gras | SS . | | | | | | | |
| Acacia Survival: | Very poor | | A Sale | | 14 | | | | |
| Comments: | This is a very wet zone but the trees especially on the western side are starting to establish and form very well especial E. robusta. The trees look very healthy and are growing well. With the high soil moisture levels the trees are about half the height at present compared to better draining areas. Growth rate have not moved much over last 12 months with flooding events | | | | | | | | |



PA21.3 Saturated soils but trees starting to come along well now esp. E. robusta





PA 20.1



PA 20.1 Weed Control PA 20.1



| Site 9 | | | | | | | | | |
|-------------------------|--|---|-----------------------|-------------------------------|---------|----------------|---------|-------|------------------|
| Planting Area: | 11.8 | GPS Location: | 28.55.40S/153.26.47E | Quadrant Area: | 1 hec | Planting Date: | 4/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/m2 | Average Tree Height: | 5m | No. of Visible Dead Stems: | 4 | | | | ale Lifeta anno. |
| Environmental Weeds: | | s under trees but on dditional weed bur e removed. | | | | | | | |
| Acacia Survival: | Excellent sur | vival in higher area | as but poorer gro | With the | | | W a | | |
| Comments: | Very wet soils with poor drainage. Trees established and growing well especially in elevated and drier areas. Accacias dying off with continual wet satuarted soils. | | | | | | | | |
| | Weed contro | I generally effective | Э. | | 7 | | 4. 电线 | | |
| Site 10 | | | | | | | | | |
| Planting Area: | 11.7 | GPS Location: | 28.55.41\$/153.26.47E | Quadrant Area: | 1.1 hec | Planting Date: | 10/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/4m2 | Average Tree Height: | 5=8m | No. of Visible Dead Stems: | 5 | 5 | A | 1 | |
| Environmental Weeds: | | s under trees but o dditional weed bur e removed. | 24 | | | | | | |
| Acacia Survival: | Very good su | rvival and growth | | | | | | | |
| Comments: | a lot slower g | s with poor drainag growth than those a I generally effective | areas with better o | | | S. | | | |



Looking west from Alignment over PA11.3



PA 11.3 Grazing trial with sheep



PA 11.3 Grazing trial with sheep



Looking south over PA's 11.6/7/3



| Site 11 | | | | | | | | | |
|-------------------------|----------------------------|--|--|---|--------------------------------|----------------|--------|---|--------------|
| Planting Area: | 14.2 | GPS Location: | 28.55.47S/153.26.46E | Quadrant Area: | 1.4 hec | Planting Date: | 6/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5-7m | No. of Visible Dead Stems: | 0 | | | in the second | |
| Environmental Weeds: | | veed control effect I additional weed | | weeds. Row slash | ing still | | | *************************************** | |
| Acacia Survival: | | e has been remov survival in elevate | | survival in lower we | t areas | V | | - W. | |
| Comments: | in other more continuous w | elevated planting eed suppression h | areas especially nas resulted in go | sult tree growth is s with recent flood ev od tree establishme 2m over last 12 mor | ents. Good nt and survival. | | | | |
| Site 12 | | | | | | | | | |
| Planting Area: | 14.1 | GPS Location: | 28.55.50S/153.26.46E | Quadrant Area: | 2 hec | Planting Date: | 6/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 6-10m | No. of Visible Dead Stems: | 0 | | | k/le | |
| Environmental Weeds: | occurring. Ni | veed control effect I additional weed e has been remov | ourden. | weeds. Row slash | ing still | | | | |
| Acacia Survival: | Very poor sur | vival as planting a | rea in lower grou | nd and constantly ir | nundated | | | | 700 |
| Comments: | in othe more | elevated planting ood tree establishn | areas. Good conti | sult tree growth is sl inuous weed suppre Trees have increas | ession has | | | | |



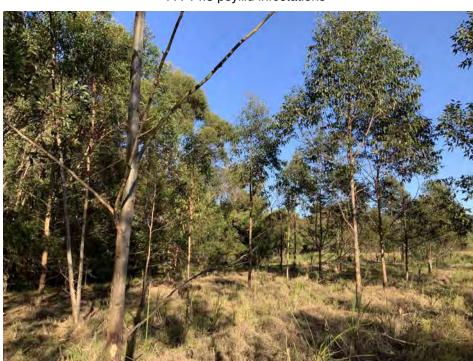
| Site 13 | | | | | | | | | |
|-------------------------|----------------|--|---|--|------------------|----------------|--------|-------|--------------|
| Planting Area: | 14.4 | GPS Location: | 28.55.50S/153.26.46E | Quadrant Area: | 0.6 hec | Planting Date: | 7/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 8-12m | No. of Visible Dead Stems: | 3 | ** | | | |
| Environmental Weeds: | control requir | | still occurring. Nil | d impact reduced. A additional weed bu | | | | | |
| Acacia Survival: | Average acad | cia survival in high | er areas but not ii | n lower areas | | 2. 2. 1004 | | | |
| Comments: | Generally a le | g areas. While gro nt in 12 months an | nat has meant low wth rates are slow | et. ver tree heights that wer, the trees have ished. Continued go | generally added | | | | |
| Site 14 | | | | | | | | | |
| Planting Area: | 14.3 | GPS Location: | 28.55.49S/153.26.50E | Quadrant Area: | 0.9 hec | Planting Date: | 7/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5-8m | No. of Visible Dead Stems: | 2 | | | | |
| Environmental Weeds: | occurring. Ni | rally below tree fol I additional weed le e has been remov | burden. | d impact reduced | Row mowing still | | | | |
| Acacia Survival: | No acacias a | s area very wet ar | d continually inur | ndated | | | | | |
| Comments: | better drainin | g areas. While gro | wth rates are slow | ver tree heights that wer, the trees have ned. Continued goo | generally added | | | | |



| Site 15 | | | | | | | | | |
|-------------------------|----------------------------|---|--|---|------------------------------------|----------------|---------|-------|--------------|
| Planting Area: | 15.3 | GPS Location: | 28.55.50S/153.26.49E | Quadrant Area: | 1 hec | Planting Date: | 7/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 6-8m | No. of Visible Dead Stems: | 0 | Á | | | |
| Environmental Weeds: | occurring. Ni | rally below tree fol I additional weed e has been remov | ourden. | d impact reduced. | Row mowing still | | | | |
| Acacia Survival: | Good acacia | survival - Area is i | n higher ground | | | | | | |
| Comments: | Generally a le | g areas. While gro out 1 to 1.5m in he | nat has meant low wth rates are slow | et. wer tree heights that wer, the trees have s and look well estal | generally | | | | |
| Site 16 | | | | | | | | | |
| Planting Area: | 13.5 | GPS Location: | 28.55.51E/153.26.38S | Quadrant Area: | 1.2 hec | Planting Date: | 5/10/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-15m | No. of Visible Dead Stems: | 0 | | | | 家 病 |
| Environmental Weeds: | mowing now | well above weed h not occurring. e has been remov | | unaffected by wee | ds now. Row | | 1 | | |
| Acacia Survival: | Average acad | cia survival | | | | 专到人 | | | |
| Comments: | weed control well draining | is now being effect ground with growt erally very good es | tively managed. ⁻ h rates reducing t | ure grasses and Wo Tree growth is stron to about half in wett growth. Trees grow | gest on higher er soil areas of | | | | |



PA 14.3 psyllid infestations



PA 14.4 Tree growth



PA 15.1 Acacia Tree



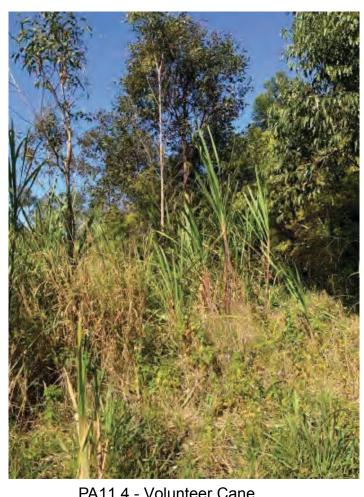
PA 13.5 Tree Growth



| Site 17 | | | | | | | | | |
|-------------------------|----------------|---|-----------------------|--|----------------|----------------|---------------------------------------|----------|--|
| Planting Area: | 13.4 | GPS Location: | 28.55.53\$/153.26.45E | Quadrant Area: | 5.1 hec | Planting Date: | 5/10/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 6-8m | No. of Visible Dead Stems: | 12 | - 10 m | | A | |
| Environmental Weeds: | creeping vine | I working well with e starting to cover s e has been remove | some trees. | additional control red | quired with | | | | |
| Acacia Survival: | Very poor su | rvival due to very v | vet ground and co | ontinual soaked soil. | | | 12 h | | |
| Comments: | Psyllid infest | d by recent flooding ations identified in sk to psyllid infesta | Tallowood. Wet o | t. conditions are stress | sing trees and | | | T. | |
| Site 18 | | | | | | | | | |
| Planting Area: | 11.6 | GPS Location: | 28.55.38\$/153.26.35E | Quadrant Area: | 1.5 hec | Planting Date: | 10/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-12m | No. of Visible Dead Stems: | 2 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | |
| Environmental Weeds: | Weed contro | I very effective. Nil | additional weed | burden. | | | | | |
| Acacia Survival: | Excellent aca | acia survival and g | rowth on higher a | reas but less in wet | ter areas | | | | |
| Comments: | | as canopy startin | | alyptus and acacias es have grown abo | | | | | |
| | Wallaby fend | e still in place. | | | | | | | The state of the s |

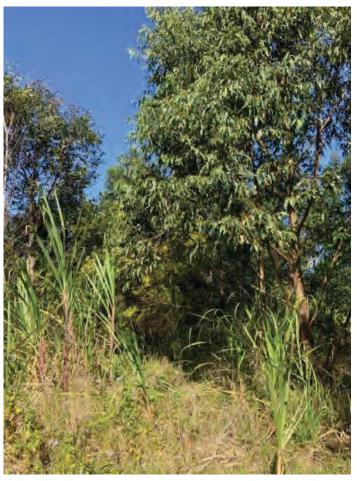


| Site 19 | | | | | | | | | |
|-------------------------|--------------|--|-----------------------|---|--------------------|----------------|--------|-------|--------------|
| Planting Area: | 11.3 | GPS Location: | 28.55.38S/153.26.35E | Quadrant Area: | 3.8 hec | Planting Date: | 4/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 8-10m | No. of Visible Dead Stems: | 5 | | | | |
| Environmental Weeds: | | - grazing trial with iscussions on trial | | undertaken in this report | area over the last | | | | |
| Acacia Survival: | Very good su | rvival and growth | n higher areas ar | nd less so in lower a | areas | | | | |
| Comments: | grass remain | s a nuisance The | trees are continu | us, acacias and fore ing to grow very we nave grown about 2 | ll in this area | | | | |
| Site 20 | | | | | | | | | |
| Planting Area: | 10.3/4, 11.4 | GPS Location: | 28.55.43\$/153.26.25E | Quadrant Area: | 3 hec | Planting Date: | 5/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-12m | No. of Visible Dead Stems: | 0 | | | 450 | |
| Environmental Weeds: | | | | controlled within ro onal weed burden. | ows by row | | | | |
| Acacia Survival: | Very good su | rvival and growth | - acacias up to 5 | m | | | | | EAW. |
| Comments: | | cellent establishm od establishment. | ent. Elevated pos | sition has resulted in | very fast growth | | | | |
| | Trees have g | rown about 5m ov | er the last 12 mor | nths. | | | | | C |



PA11.4 - Volunteer Cane





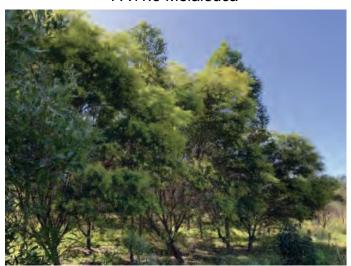
PA10.3/4-11.4 Canopy starting to form



PA11.6 PA11.3



PA11.3 Melaleuca



PA11.3



| Site 21 | | | | | | | | | |
|-------------------------|--------------------------|--|----------------------|--|-----------------|----------------|----------|-------|--------------|
| Planting Area: | 10.5 - 11.5 | GPS Location: | 28.55.47S/153.26.35E | Quadrant Area: | 0.5 hec | Planting Date: | 5/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-12m | No. of Visible Dead Stems: | 1 | - | | | |
| Environmental Weeds: | Pasture grass burden. | ses. Generally rea | lly good control th | nrough slashing. Nil | additional weed | | | | |
| Acacia Survival: | Good acacia | survival and grow | th as planting is o | n a slope | | | | | |
| Comments: | growth comp | ared to elevated si tablishment and g | ites. | n across the project e grown about 3m o | | | | | |
| Site 22 | | | | | | | | | |
| Planting Area: | 12.1 | GPS Location: | 28.55.56S/153.26.46E | Quadrant Area: | 0.4 hec | Planting Date: | 18/10/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 2m | No. of Visible Dead Stems: | 0 | | | | W W |
| Environmental Weeds: | Pasture grass | s. Nil additional we | eed burden. | | | | | | |
| Acacia Survival: | Average acad | cia growth and sur | vival which match | nes eucalyptus spec | ies | | | | |
| Comments: | | en mown (Council/ to now be used as | | aining trees have be | en removed. | | | | |



| Site 23 | | | | | | | | | |
|-------------------------|------------------------------|---|----------------------|---|---------------|----------------|---------|--------|--------------|
| Planting Area: | 12.2 | GPS Location: | 28.55.56S/153.26.46E | Quadrant Area: | 1.8 hec | Planting Date: | 25/9/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 4.5-6m | No. of Visible Dead Stems: | 0 | | * | | |
| Environmental Weeds: | | | | has been undertak additional weed burd | | | | | |
| Acacia Survival: | Nil survival | | | | | | | | |
| Comments: | rocky slopes Trees have g | | over the last 12 m | | growth on the | | | | |
| Site 24 | | | | | | | | | |
| Planting Area: | 12.3 | GPS Location: | 28.55.37S/153.26.20E | Quadrant Area: | 0.2 hec | Planting Date: | 25/9/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 4.5-6m | No. of Visible Dead Stems: | 0 | | | ve vil | |
| Environmental Weeds: | Setaria Gras | s - cattle grazing a | rea. Nil additiona | I weed burden. | | A | | | |
| Acacia Survival: | Nil | | | | | | Y Y | | |
| Comments: | Trees have g | n and establishmer grown about 1.5m o oto not possible as | over the last 12 m | | | | | | |



| Site 25 | | | | | | | | | |
|-------------------------|--------------------------|---|----------------------|---|-----------------|----------------|---------|-------|--------------|
| Planting Area: | 10.1 | GPS Location: | 28.55.45S/153.26.13S | Quadrant Area: | 2.5 hec | Planting Date: | 10/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 8-10m | No. of Visible Dead Stems: | 0 | | | | |
| Environmental Weeds: | Good weed s | suppression - no d | ominant weeds. I | Nil additional weed | burden. | | | | |
| Acacia Survival: | Good acacia | survival and grow | th | | | | | | |
| Comments: | and trees loo | k very healthy and es have grown abo | l strong. Low wee | Plant establishmened competition throu ast 12 months. | | | | | |
| Site 26 | | | | | | | | | |
| Planting Area: | 11.1 | GPS Location: | 28.55.45S/153.26.13E | Quadrant Area: | 1 hec | Planting Date: | 11/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 6-10m | No. of Visible Dead Stems: | 0 | A COL | | | |
| Environmental Weeds: | Pasture grass burden. | ses - continued gra | ass slashing and | under spraying. Nil | additional weed | | | 4/ | |
| Acacia Survival: | Good surviva | I | | | | | | | 1 |
| Comments: | Continuous w | veed control under grass height. Trees | neath the trees h | higher well drained as been effective wi ut 2-3 over the last | th most of the | | | n. | |



| Site 26 | | | | | | | | | |
|-------------------------|------------------------------|-------------------------|-----------------------|--|----------------|----------------|---------|-------|--------------|
| Planting Area: | 11.2 | GPS Location: | 28.55.45\$/153.26.13E | Quadrant Area: | 1.7 | Planting Date: | 10/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 7-10m | No. of Visible Dead Stems: | 0 | A 32 | | | |
| Environmental Weeds: | Pasture grass weed burden | | ng and under spra | aying continuing. Ni | l additional | | | | |
| Acacia Survival: | Acacia surviv | al and growth goo | d. | | | | | | |
| Comments: | Continuous v | veed control under | neath the trees h | higher well drained as been effective w out 1m over the last | th most of the | | | | |
| | Wallaby fenc | e removed. | | | | | | | A STATE OF |
| Site 27 | | | | | | | | | |
| Planting Area: | 10.2 | GPS Location: | 28.55.41S/153.26.8E | Quadrant Area: | 2 hec | Planting Date: | 10/4/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 8-10m | No. of Visible Dead Stems: | 0 | | | | |
| Environmental Weeds: | Good weed | suppression - no d | ominant weeds. I | Nil additional weed | burden. | | | | |
| Acacia Survival: | Average aca | cia survival - wette | r paddock than 1 | 1.1/2 | | | | | 45.7 |
| Comments: | and trees loo | | l strong. Low wee | Plant establishmented competition manalast 12 months. | | | | | |
| | Wallaby fenc | e removed. | | | | | | | |



PA 11.2





Acacia Tree PA 11.2



PA 10.2

View of PA 11.1 & 10.2 from Wardell Rd



| Site 28 | | | | | | | | | |
|-------------------------|---|-------------------------|-----------------------------|----------------------------------|-----------------|----------------|---------|---------|--------------|
| Planting Area: | 9.1-3 | GPS Location: | 28.55.50S/153.26.7E | Quadrant Area: | 2.5 hec | Planting Date: | 29/3/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 9-11m | No. of Visible Dead Stems: | 0 | | Man I | | A. |
| Environmental Weeds: | Weeds well u | under control - car | opy closing in in p | places. Nil addition | al weed burden. | | | | |
| Acacia Survival: | Good acacia | survival and grow | th on upper slopes | s but less so in wett | er areas | , , | | | |
| Comments: | Eucalyptus a | nd acacias doing | very well both with | establishment and | growth rates. | | | | |
| | Good continu | ous weed suppre | ssion activities kee | eping competition lo | w. | | | and the | |
| | Trees have g | rown about 2m ov | er the last 12 mor | nths. | | | 16 | | |
| Site 29 | | | | | | | | | |
| Planting Area: | 13.3 | GPS Location: | 28.55.56.85\$/153.26.27.60B | Quadrant Area: | 1 hec | Planting Date: | 20/9/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5m | No. of Visible Dead Stems: | 12 | | | | |
| Environmental Weeds: | | sk to psyllid infesta | | onditions are stress at weeds | ing trees and | | | | |
| Acacia Survival: | Very good su | ırvival | | | | | Taren I | | |
| Comments: | tree growth the Access not a weed compe | his year. | gnment works. Tre | a continually saturat | _ | | | | |



PA9.2 - Acacia



Weed control PA9's



PA9's looking towards Wardell Rd



PA9's looking from Wardell Rd



| Site 30 | | | | | | | | | |
|-------------------------|------------------------------|--|--|----------------------------------|---------------|----------------|---------------|-------|--------------|
| Planting Area: | 13.2 | GPS Location: | 28.55.54.38S/153.26.30.44E | Quadrant Area: | 0.75 hec | Planting Date: | 19/9/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 4-5m | No. of Visible Dead Stems: | 10 | | | | |
| Environmental Weeds: | | k to psyllid infesta | Tallowood. Wet c | onditions are stress it weeds | ing trees and | | | | |
| Acacia Survival: | Ok on edges | but no survival in | middle inundated | areas | | | Total Control | | |
| Comments: | tree growth the Access not a | nis year. vailable due to aliq tition affecting tree | gnment works. Tre | a continually saturat | _ | | | | |
| Site 31 | | | | | | | | | |
| Planting Area: | 13.1 | GPS Location: | 28.55.50.69S/153.26.33.88B | Quadrant Area: | 0.5 hec | Planting Date: | 9/9/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 6-7m | No. of Visible Dead Stems: | 14 | | | | |
| Environmental Weeds: | | k to psyllid infesta | Tallowood. Wet c | onditions are stress it weeds | ing trees and | | | | |
| Acacia Survival: | Good acacia | survival | | | | | | | |
| Comments: | tree growth the Access not a | nis year. vailable due to aliq tition affecting tree | plant growth. Area gnment works. Trees. | | | | | | |



Looking at PA13's from the Alignment



PA16.5 - Grass Control



PA10/11's from the Alignment



PA14/15's from the Alignment



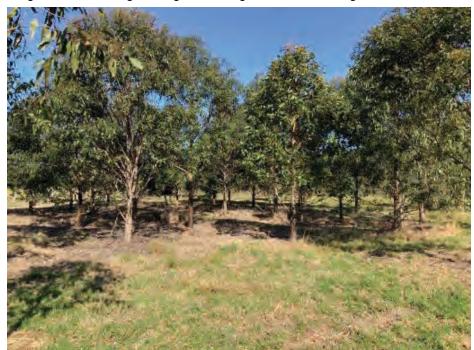
| Site 32 | | | | | | | | | |
|-------------------------|-----------------------------|-------------------------|---------------------|--|---------|----------------|---------|-------|--------------|
| Planting Area: | 5.5 | GPS Location: | 28.56.50S/153.26.4E | Quadrant Area: | 0.6 hec | Planting Date: | 1/6/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5-6m | No. of Visible Dead Stems: | 7 | | | | |
| Environmental Weeds: | Pasture grass | ses - under contro | I. Nil additional w | eed burden. | | | | | |
| Acacia Survival: | Poor survival | I | | | | | | | |
| Comments: | holding capa | | | oils poor nutrient an npared to the rest of | | | | | |
| | Growth of 0.5 | 5-1.0m in last 12 m | | 1000 | - 二類型 | 3 | | | |
| Site 33 | | | | | | | | | |
| Planting Area: | 5.6-8 | GPS Location: | 28.56.47S/153.26.2E | Quadrant Area: | 1.5 hec | Planting Date: | 27/6/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5m | No. of Visible Dead Stems: | 7 | | | | |
| Environmental Weeds: | Pasture grass Wallaby fence | ses - under contro | I. Nil additional w | eed burden | | | | | J. J. |
| Acacia Survival: | Average surv | vival | | | | | | | |
| Comments: | soils poor nu compared to | | holding capabilit | on sandy soils. As s ies, tree growth is v | | | | | |



| Site 34 | | | | | | | | | |
|-------------------------|---------------------|-------------------------|----------------------|---|-------------------|----------------|---------|-------|--------------|
| Planting Area: | 5.1 | GPS Location: | 28.56.47S/153.26.2E | Quadrant Area: | 0.5 hec | Planting Date: | 27/6/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5-6m | No. of Visible Dead Stems: | 3 | | | | |
| Environmental Weeds: | | ses - under contro | I. Nil additional w | eed burden | | 7 | | | 28 |
| Acacia Survival: | Only a few o | bserved | | | | | | | |
| Comments: | capabilities, | | slow compared to | poor nutrient and not the rest of the pro | | | | | |
| Site 35 | | | | | | | | | |
| Planting Area: | 6.1 | GPS Location: | 28.56.54S/153.25.51E | Quadrant Area: | 3 hec | Planting Date: | 1/5/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-12m | No. of Visible Dead Stems: | 5 | | | | |
| Environmental Weeds: | additional we | | l with increased o | continual spraying a | and slashing. Nil | | | 4 | |
| Acacia Survival: | Good acacia | survival | | | | 3人 | | - I I | |
| Comments: | well and are months | | es have grown a | acias in the area are bout 1.5-2.5m over | | | | | |



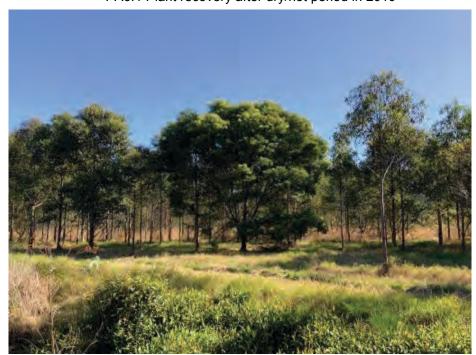
Illegal Cattle Grazing Damage - Looking down towards alignment from PA 7.3



PA6.1 Weed control



PA6.1 Plant recovery after dry/hot period in 2019



PA6.2 Acacia growth



| Site 36 | | | | | | | | | |
|-------------------------|--|--|--|---|----------------|----------------|--------|-------|--------------|
| Planting Area: | 6.2 | GPS Location: | 28.56.53E/153.25.47S | Quadrant Area: | 3 hec | Planting Date: | 2/5/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5-10m | No. of Visible Dead Stems: | 3 | 4 | | | |
| Environmental Weeds: | | dditional weed bur | | ng keeping grass a | nd weeds under | | | | |
| Acacia Survival: | Good surviva | ıl | | | | | | | |
| Comments: | on southern s last 12 month Weed control | side (away from ph | noto spot). Trees i grass slashing. | n eucalyptus and ac ncreased in height | | | | | |
| Site 37 | | | | | | | | | |
| Planting Area: | 7.2 | GPS Location: | 28.56.48S/153.25.45E | Quadrant Area: | 2.7 hec | Planting Date: | 8/5/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5-6m | No. of Visible Dead Stems: | 0 | | | P | Tay 1 |
| Environmental Weeds: | Seteria grass Wallaby fenc | | l long (>1m). Nil a | additional weed bur | den. | | | | |
| Acacia Survival: | Very good su | rvival | | | | | 1 | | |
| Comments: | to areas of pl Good tree gro Weed contro | ows have been allo antings. owth and establish I effective but need ent planting require | ment by both euc is to be on-going. | - | |) v | | | |



| Site 38 | | | | | | | | | |
|-------------------------|---|-------------------------|----------------------|---|-----------------|----------------|--------|-------|--------------|
| Planting Area: | 7.3 | GPS Location: | 28.56.49S/153.25.40E | Quadrant Area: | 2.4 hec | Planting Date: | 5/5/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 8-11m | No. of Visible Dead Stems: | 0 | | | | |
| Environmental Weeds: | Seteria grass Wallaby fend | | ashing and sprayi | ng. Nil additional we | eed burden. | | | | |
| Acacia Survival: | Good surviva | al | | | | | | | 4 |
| Comments: | establishmer | | s have grown abo | Free growth slower ut 1.5m over the las | | | | | |
| Site 39 | | | | | | | | | |
| Planting Area: | 6.4 | GPS Location: | 28.56.52S/153.25.36E | Quadrant Area: | 0.7 hec | Planting Date: | 3/5/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 6-10m | No. of Visible Dead Stems: | 20 | | | We e | |
| Environmental Weeds: | Pasture gras additional we Wallaby fend | eed burden. | shing keeping gra | ass and weeds und | er control. Nil | | | | |
| Acacia Survival: | Very few - qu | uite a wet paddock | | | | | | | A A L |
| Comments: | | owth following prest | | nt impact. Trees hav 2 months. | e slowed their | | | | |



| Site 40 | | | | | | | | | |
|-------------------------|--|---|-------------------------------|--|-----------------|----------------|--------|-------|--------------|
| Planting Area: | 6.5 | GPS Location: | 28.56.46S/153.25.55E | Quadrant Area: | 2.4 hec | Planting Date: | 3/5/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 4-9m | No. of Visible Dead Stems: | 5 | | 1 | | |
| Environmental Weeds: | Pasture grass additional we Wallaby fenc | eed burden. | shing keeping gra | ass and weeds und | er control. Nil | | | | |
| Acacia Survival: | Acacias dying | g off with wet soil o | conditions | | | | | | |
| Comments: | last year to a Weed contro | stablishment by bo bout 1m in last 12 I effective but need in this lower/wette | months. Is to be on-going. | acacias. Tree grow | rth slowed from | | | | |
| Site 41 | | | | | | | | | |
| Planting Area: | 8.1/2 | GPS Location: | 28.56.40S/153.25.56E | Quadrant Area: | 4.4 hec | Planting Date: | 9/5/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 8-20m | No. of Visible Dead Stems: | 3 | | | | |
| Environmental Weeds: | Pasture grass Wallaby fenc | | closing over. Nil a | dditional weed burd | den. | | | | |
| Acacia Survival: | Acacias dying | g off with wet soil o | conditions | | | | | 1 | A PA |
| Comments: | | | | n eucalyptus and ac Canopy has closed | | | | | |



PA 8.1/2 - Acacia die off



PA8.1/2 - Acacia die off



Acacia - Acacia die off PA8.1/2



| Site 42 | | | | | | | | | |
|-------------------------|--------------------------------|----------------------------------|----------------------|--|----------------|----------------|-------------|-------|--------------|
| Planting Area: | 8.3 | GPS Location: | 28.56.40S/153.25.52E | Quadrant Area: | 2.4 hec | Planting Date: | 11/5/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 8-12m | No. of Visible Dead Stems: | 1 | | ATU | | |
| Environmental Weeds: | | ries out after recen | | nd long (>1m). Slast onal weed burden. | hing scheduled | | | | |
| Acacia Survival: | Below average | ge | | | | | | | |
| Comments: | | ee growth and esta | - | th eucalyptus and a | cacias. | | | | |
| Site 43 | | | | | | | | | |
| Planting Area: | 7.1 | GPS Location: | 28.56.51S/153.25.30E | Quadrant Area: | 7 hec | Planting Date: | 10-14/10/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16m2 | Average Tree Height: | 4-5m | No. of Visible Dead Stems: | 0 | | | | |
| Environmental Weeds: | Pasture gras Area is cattle | ses. Nil additional e grazed. | weed burden. | | | | | | |
| Acacia Survival: | Below average | ge | | | | | | | |
| Comments: | The main iss are now havi | ues in regard to tre | ee maintenance is | lly well in the upper s restricted access. trees. The cattle gra | The cattle are | | | | |





| Site 46 | | | | | | | | | |
|-------------------------|---------------|--|----------------------|---|-------------------|----------------|---------|-------|--------------|
| Planting Area: | 8.4 | GPS Location: | 28.56.40S/153.25.45E | Quadrant Area: | 2.7 hec | Planting Date: | 28/8/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 6-15m | No. of Visible Dead Stems: | 1 | | | | |
| Environmental Weeds: | | - is very thick and . Nil additional we | | opy closing in on m | ost of the | | | | |
| Acacia Survival: | Acacias dying | g off with wet soil o | conditions | | | | | | * |
| Comments: | | 1.5-2.5m over the | | er free draining site. Canopy has closed o | | | | | |
| Site 47 | | | | | | | | | |
| Planting Area: | 8.5 | GPS Location: | 28.56.40S/153.25.45E | Quadrant Area: | 2 hec | Planting Date: | 28/8/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-12m | No. of Visible Dead Stems: | 2 | A STATE OF | | | |
| Environmental Weeds: | | - is very thick and ed burden present | | closing in over mos | t of the area. No | | | | |
| Acacia Survival: | Acacias dying | g off with wet soil o | conditions | | | | | | |
| Comments: | | 1.0m-2.0m over th | | er free draining site. Canopy closing over | | | | | - |
| | Wallaby fence | e removed. | | | | A TOP | 作为 | | |



| Site 44 | | | | | | | | | |
|-------------------------|---------------|--|----------------------|---|----------------------|----------------|---------|-------|--------------|
| Planting Area: | 16.1/2 | GPS Location: | 28.55.34S/153.26.53E | Quadrant Area: | 1.4 hec | Planting Date: | 27/9/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 8-12m | No. of Visible Dead Stems: | 0 | | | À | |
| Environmental Weeds: | Pasture gras | s mainly - little wee | ed. Nil additional | weed burden | | | | | |
| Acacia Survival: | Good surviva | al | | | | | | y u ! | A de |
| Comments: | last 12 monti | hs. Trees are now | all of greater heig | have grown about ht than the surround lace around 16.1. | | | | | |
| Site 45 | | | | | | | | | |
| Planting Area: | 16.3/4 | GPS Location: | 28.55.23S/153.26.54E | Quadrant Area: | 3 hec | Planting Date: | 7/9/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 8-15m | No. of Visible Dead Stems: | 0 | | An a | | Ju. |
| Environmental Weeds: | Seteria grass | s - is very thick and | l long (>1m). Nil | additional weed bu | rden. | | | | |
| Acacia Survival: | Good | | | | | | 了考览 | | |
| Comments: | | e growth (>5m in place growth especially no | | e established very we | ll in this area with | | | | Alexandria. |
| | Wallaby fence | removed. | | | | | | | je voldke |



PA16.5 Grass control under planted trees



Acacia PA16.2



PA16.1



PA16.3/4



| Site 46 | | | | | | | | | |
|-------------------------|---------------|--|----------------------|--|-------------------|----------------|---------|-------|--------------|
| Planting Area: | 16.5 | GPS Location: | 28.55.34S/153.26.53E | Quadrant Area: | 1.9 hec | Planting Date: | 3/10/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-12m | No. of Visible Dead Stems: | 0 | | | | |
| Environmental Weeds: | | s - is very thick and dditional weed burd | | grammed slashing | to occur within 3 | | | | |
| Acacia Survival: | Very good | | | | | | | | A CONTRACT |
| Comments: | | e established very weick but little weed but | | nths growing betweer | 2-3m. Grass | | 1 | | Se a |
| | Wallaby fence | removed. | | | | | 7 | | |
| Site 47 | | | | | | | | | |
| Planting Area: | 16.6/7 | GPS Location: | 28.55.34\$153.26.53 | Quadrant Area: | 2.5 hec | Planting Date: | 3/9/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-12m | No. of Visible Dead Stems: | 0 | | | | |
| Environmental Weeds: | | s - not much can be slope this area is in | | control grasses beca eed burden. | ause of the very | Military Ass | | | |
| Acacia Survival: | Average | | | | | | | | |
| Comments: | previously th | ought this area had | d failed as a tree | over the last 12 mor replanting area. The I.5-2.5m over the la | trees are well | | | | |



| Site 48 | | | | | | | | | |
|-------------------------|-------------------------------|-----------------------------------|----------------------|---|---------------|---|---------|-------|--------------|
| Planting Area: | 17.2 | GPS Location: | 28.55.33S/153.26.53E | Quadrant Area: | 0.5 hec | Planting Date: | 3/10/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5-10m | No. of Visible Dead Stems: | 0 | a de la companya de | | | ď, |
| Environmental Weeds: | Seteria grass Wallaby fend | s. Nil additional we e removed | ed burden. | | | 141 | | | 444 |
| Acacia Survival: | Low survival | - very wet planting | area | | | and the | | | |
| Comments: | Grass contin | | rowth even with o | ve good establishm continuous spraying onths. | | | | | |
| Site 47 | | | | | | | | | |
| Planting Area: | 17.3/4 | GPS Location: | 28.55.34S/153.26.53E | Quadrant Area: | 1 hec | Planting Date: | 18/9/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-12m | No. of Visible Dead Stems: | 3 | | | i | |
| Environmental Weeds: | Seteria grass Wallaby fend | s. Nil additional we e removed | ed burden. | 1 | | | | | A. |
| Acacia Survival: | Average surv | /ival | | | | | | | |
| Comments: | rocky slopes | | | ne slope but slower 2 months. | growth on the | | | | |



| Site 46 | | | | | | | | | |
|-------------------------|----------------|---|-----------------------|-------------------------------|---------|------------------|----------|-------|--------------|
| Planting Area: | 18.1 | GPS Location: | 28.55.36S/153.26.58E | Quadrant Area: | 0.5 hec | Planting Date: | 20/10/17 | Date: | 28 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5-10m | No. of Visible Dead Stems: | 0 | | | | |
| Environmental Weeds: | Pasture gras | ses. Nil additional | weed burden. | | | | | | 7973 |
| Acacia Survival: | Poor surviva | I | | | | | | | 生态数 |
| Comments: | Trees have g | I through row slash grown about 1.5-2n shment with nil ne | n over the last 12 | | | | | | |
| Site 47 | | | | | | | | | |
| Planting Area: | 3/4 | GPS Location: | 28.57.26\$/153.25.42E | Quadrant Area: | 3.7 hec | Planting Date: | 18/9/17 | Date: | 27 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 10-18m | No. of Visible Dead Stems: | 0 | An it | | | |
| Environmental Weeds: | Pasture Gras | sses. Nil additional | weed burden. | | | | A. A. | | |
| Acacia Survival: | Average surv | /ival | | | | | e de mar | | |
| Comments: | Nil vehicle ad | ccess to area off al | ignment. | | | | | 11.1 | |
| | Good establi | shment with nil ne | ed for replanting | | | Frank John March | | | |



| Site 46 | | | | | | | | | |
|-------------------------|------------------------------|---|---------------------|--|---------------|----------------|---------|-------|--------------|
| Planting Area: | 2.1 | GPS Location: | 28.58.46S/153.26.9E | Quadrant Area: | 0.4 hec | Planting Date: | 21/9/17 | Date: | 27 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 7-12 m | No. of Visible Dead Stems: | 2 | | | | 200 |
| Environmental Weeds: | Trees well at weed burder | | cover and not in | fluencing growth. N | il additional | | | | |
| Acacia Survival: | None visible | | | | | | | | 8.0 |
| Comments: | following bus | sh fires discussed i ents required. Tree | n previous report | paper bark establis out 1.5m over the la | | | | | |
| Site 47 | | | | | | | | | |
| Planting Area: | 2.2 | GPS Location: | 28.58.47S/153.26.9 | Quadrant Area: | 1.2 hec | Planting Date: | 21/9/17 | Date: | 27 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 3*8m | No. of Visible Dead Stems: | 0 | | | | 19.8°C 1 |
| Environmental Weeds: | Bush fire bur weed burder | - | / 2020. Good pap | er bark recovery. N | il additional | | | | |
| Acacia Survival: | Below average | ge | | | | | | | 7 A |
| Comments: | that a large an | | naturally occurring | es were affected but in post the fires. The lar | | | | 4. | |



| Site 46 | | | | | | | | | |
|-------------------------|---------------|---|---------------------------|-------------------------------|-------------------|----------------|---------|---------------------------------------|--------------|
| Planting Area: | 2.3 | GPS Location: | 28.58.40S/153.26.7E | Quadrant Area: | 0.7 hec | Planting Date: | 21/9/17 | Date: | 27 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 5-15m | No. of Visible Dead Stems: | 0 | | | | |
| Environmental Weeds: | Pasture gras | ses - all under cor | itrol. Nil additiona | I weed burden. | | | | - 418- | |
| Acacia Survival: | Good | | | | | | | | |
| Comments: | | oil has slowed grown il replanting require removed. | | well. Nil issues | | | | e e e e e e e e e e e e e e e e e e e | |
| Site 47 | | | | | | | | | |
| Planting Area: | 1.2 | GPS Location: | 28.58.47S/153.26.928.58.4 | s Qua drant Area: | 1.2 hec | Planting Date: | 21/9/17 | Date: | 27 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 8-10m | No. of Visible Dead Stems: | 0 | | | | |
| Environmental Weeds: | Pasture gras | ses - all under cor | ntrol. Nil additiona | I weed burden. | | | | | |
| Acacia Survival: | Below average | ge | | | | | | | |
| Comments: | | established well winting required. | th 2m growth ove | r last 12 months. Ni | l issues identity | | | A land | |
| | Wallaby fend | e removed. | | | | and the | | | |



| Site 46 | | | | | | | | | |
|-------------------------|--|-------------------------|----------------------|-------------------------------|---------|----------------|---------|-------|--------------|
| Planting Area: | 1.1 | GPS Location: | 28.58.53S/153.26.5E | Quadrant Area: | 0.5 hec | Planting Date: | 21/9/17 | Date: | 27 July 2022 |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 4-6m | No. of Visible Dead Stems: | 0 | | . Ann | ş. | 4 |
| Environmental Weeds: | Grasses and weeds well under control. Nil additional weed burden. | | | | | | | | |
| Acacia Survival: | Average surv | ival | | | | | | | |
| Comments: | Continued good solid growth and establishment. | | | | | | | | 1 |
| | Weed/grasse | s under control. N | | | | Description of | | | |
| | Wallaby fence | e removed. | | | | | | | |
| Site 47 | | | | | | | | | |
| Planting Area: | Wardell Rd | GPS Location: | 28.56.35S/153.26.36E | Quadrant Area: | 0.5 hec | Planting Date: | 21/8/18 | Date: | 27 July 2022 |
| Density of Trees: | 1/4 & 16m2 | Average Tree Height: | 2.5-3m | No. of Visible Dead Stems: | 0 | X. | | | |
| Environmental Weeds: | Bracken and pasture grasses. Nil additional weed burden. Not applicable Good growth. Guards have now been removed and bracken control is limited to around individual plants only. | | | | | | | | |
| Acacia Survival: | | | | | | | 7 | | |
| Comments: | | | | | | | | | |



| Site 46 | | | | | | | | | | |
|-------------------------|--|-------------------------|-----------------------------|-------------------------------|----------------|----------------|--------------|-------|--------------|--|
| Planting Area: | Kays Rd | GPS Location: | 28.55.50.84\$/153.28.04.50E | Quadrant Area: | 6.6 hec | Planting Date: | 17-24/11/20 | Date: | 27 July 2022 | |
| Density of Trees: | 1/16/m2 | Average Tree Height: | 3-5m | No. of Visible Dead Stems: | 0 | | | Ī | | |
| Environmental Weeds: | Grasses and and grass con | | control with row s | slashing and L spra | ying for weed | 2 | A ris | | | |
| Acacia Survival: | Average surv | ival | | | | | | | | |
| Comments: | Good good s | olid growth and e | stablishment. | | | | | | | |
| | Weed/grasse | s under control. N | | | 1 | | | | | |
| | Wallaby fence | e in place. | N. Same | | | | | | | |
| Site 47 | | | | | | | | | | |
| Planting Area: | Hillside Lane | GPS Location: | 28.56.30.89S/153.26.04.69E | Quadrant Area: | 11.2 hec | Planting Date: | 17-24/11/20 | Date: | 27 July 2022 | |
| Density of Trees: | 1/16m2 | Average Tree Height: | 3-5m | No. of Visible Dead Stems: | 5 | | | | | |
| Environmental Weeds: | Pasture grasses - very good weed control with row slashing and spraying for weed and grass control Not applicable | | | | | | | | | |
| Acacia Survival: | | | | | | | | | | |
| Comments: | Good establis well. Wallaby fence | | ecent wet sunny w | reather the trees ar | e growing very | | | | | |



| Planting Area: Gibsons Quarry GPS Location: 28.58.10.83S/153.25.47.03E Quadrant Area: 0.74 hec Planting Date: 21/10/20 Date Density of Trees: 1/16/m2 Average Tree Height: 2.5m No. of Visible Dead Stems: 0 Environmental Weeds: Grasses and weeds starting to get out of control - slashing and spraying complete. Acacia Survival: Good survival Comments: Continued good solid growth and establishment. Weed/grasses requires control. No replanting required. | 27 July 2022 |
|--|--------------|
| Environmental Weeds: Grasses and weeds starting to get out of control - slashing and spraying complete. Acacia Survival: Good survival Comments: Continued good solid growth and establishment. | |
| Weeds: Acacia Survival: Good survival Comments: Continued good solid growth and establishment. | |
| Comments: Continued good solid growth and establishment. | |
| | Mark Control |
| Weed/grasses requires control. No replanting required | |
| Trees, graded to full the replanting required. | The same |
| Nil Wallaby fence installed. | 16. |
| Site 47 | |
| Planting Area: GPS Location: Quadrant Area: Planting Date: Date | : |
| Density of Trees: Average Tree Height: No. of Visible Dead Stems: | |
| Environmental Weeds: | |
| Acacia Survival: | |
| Comments: | |
| | |
| | |

9. Document Control

| Author (To whom any changes are to be recommended) | | | | | | | | | | |
|--|-------------|----|--------------------|-------------|-------------|-------------|---------|--|--|--|
| Project Systems Supervisor | | | | | | Guy Corbett | | | | |
| | | | | | | | | | | |
| Stakeholders and other contributors | | | | | | | | | | |
| Project Director | | | | | | Corbett | | | | |
| | | | | | | | | | | |
| Reviewed by | | | | | | | | | | |
| Project Director | | | | Guy Corbett | | | 16/8/22 | | | |
| Client - RMS | | | | | | | | | | |
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| Approved by | | | | | | | | | | |
| Project Director | | | | | Guy Corbett | | 16/8/22 | | | |
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| History | | | | | | | | | | |
| Date | Author | Ve | ersion Nature of c | | | change | | | | |
| 16/8/22 | Guy Corbett | Dı | raft | | | | | | | |
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| Related documents | | | | | | | | | | |
| Title | | | | | Review Date | | | | | |
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| Review Requirements | | | | | | | | | | |
| Nil. | | | | | | | | | | |
| Controlled document location | | | | | | | | | | |
| WBKR Project QA System | | | | | | | | | | |
| This document is an GMC Key Document | | | | | | | | | | |

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