



Delivery Report on funds received

by **ReForest Now**

from **Landcare NSW**

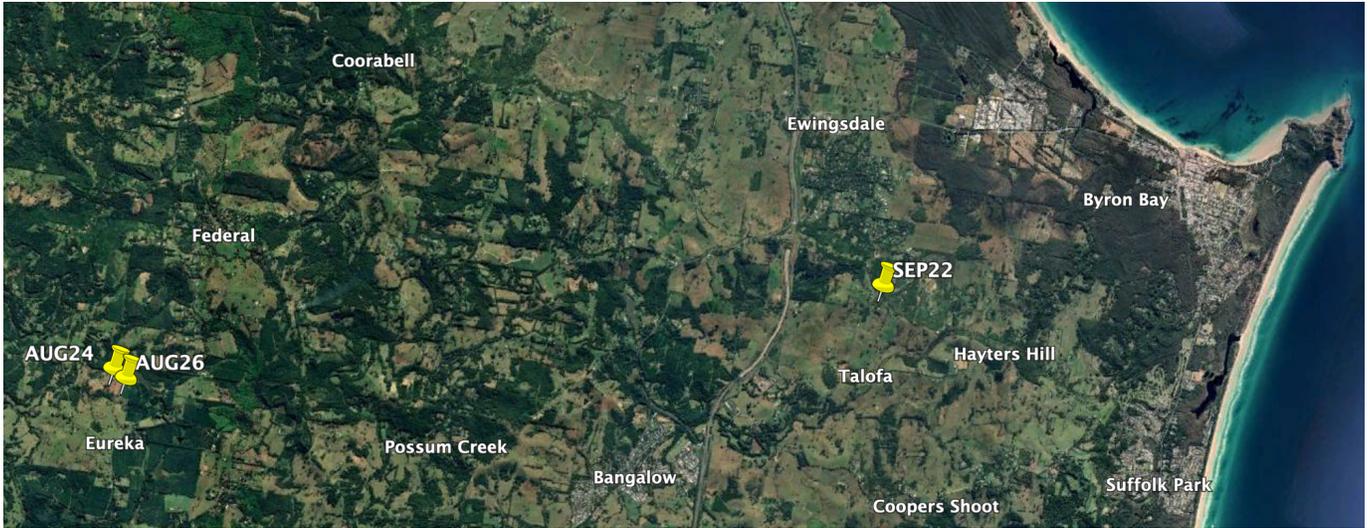
(Transport for NSW Revegetation Fund)



Rainforest Trees Planted: **10, 000**

*Prepared by Kallen Marecic & Maximo Bottaro on behalf of ReForest Now*

# Location



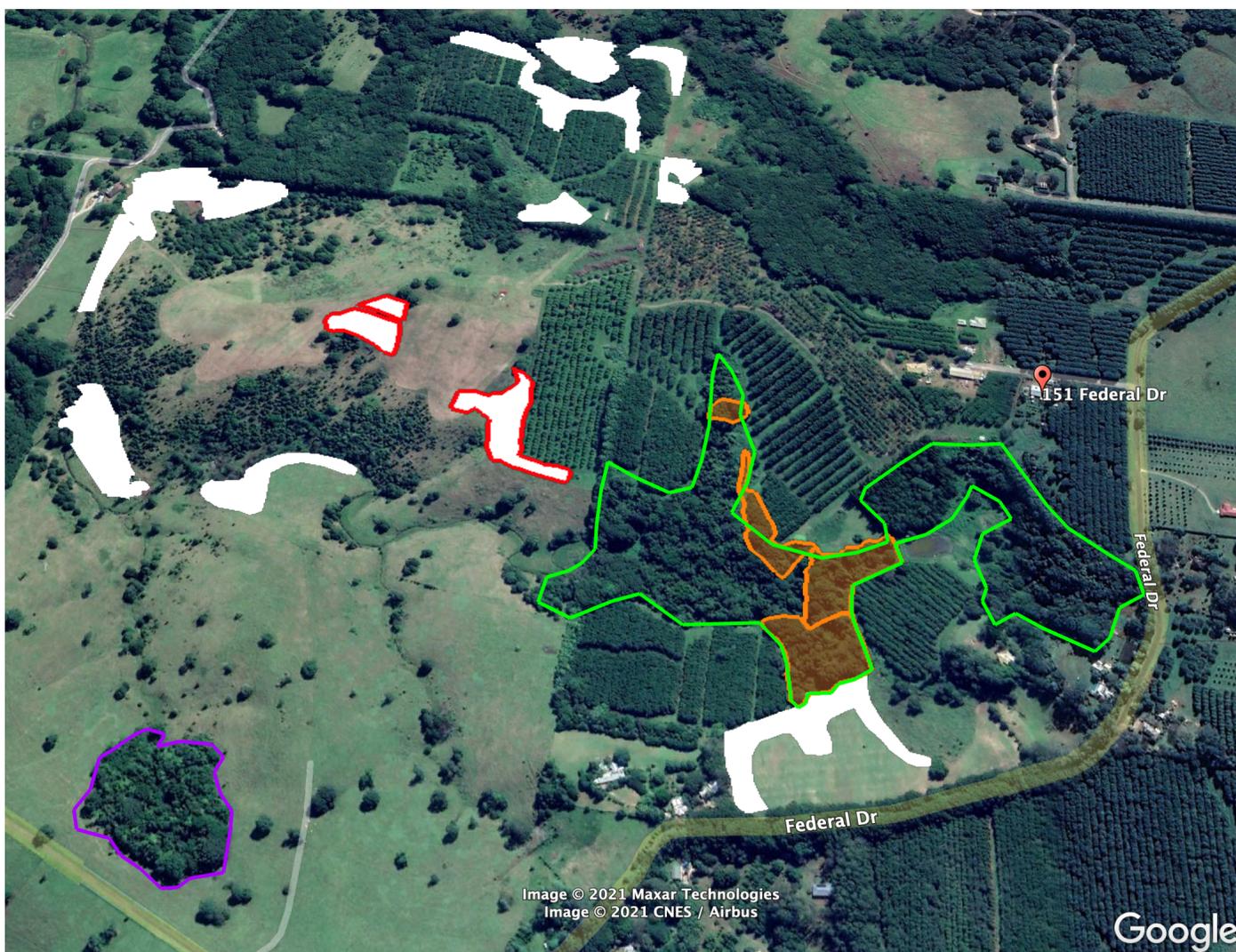
Regional satellite image with yellow location markers showing each date of planting.



**194 St Helena Road, Mcleods Shoot NSW 2479**

**RED OUTLINE, WHITE:** Your planting locations.

**WHITE:** Past plantings for other donors.



## 149 Federal Drive, Eureka NSW 2480

**RED OUTLINE, WHITE:** Your planting locations.

**WHITE:** Past plantings for other donors.

**ORANGE:** Primary bush regeneration completed with grants from other donors.

**GREEN OUTLINE:** An ancient remnant piece of rainforest, called the "Allansby 1 and Allansby 2 Remnants".

**PURPLE OUTLINE:** Another piece of rainforest called the "Midland Remnant".

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## Plantings Details

The **red-outlined white areas** were planted for you across **3** working days.

Date	Address	Number of trees
August 24, 2021	149 Federal Drive, Eureka NSW 2480	3 854
August 26, 2021	149 Federal Drive, Eureka NSW 2480	2 996
September 22, 2021	194 St Helena Road, Mcleods Shoot NSW 2479	3 150
<b>TOTAL</b>		<b>10 000</b>

*Please note: COVID-19 Public Health Orders were in force in Byron Shire from August 9 - September 10. A stay at home order delayed the plantings and set back the delivery date.*



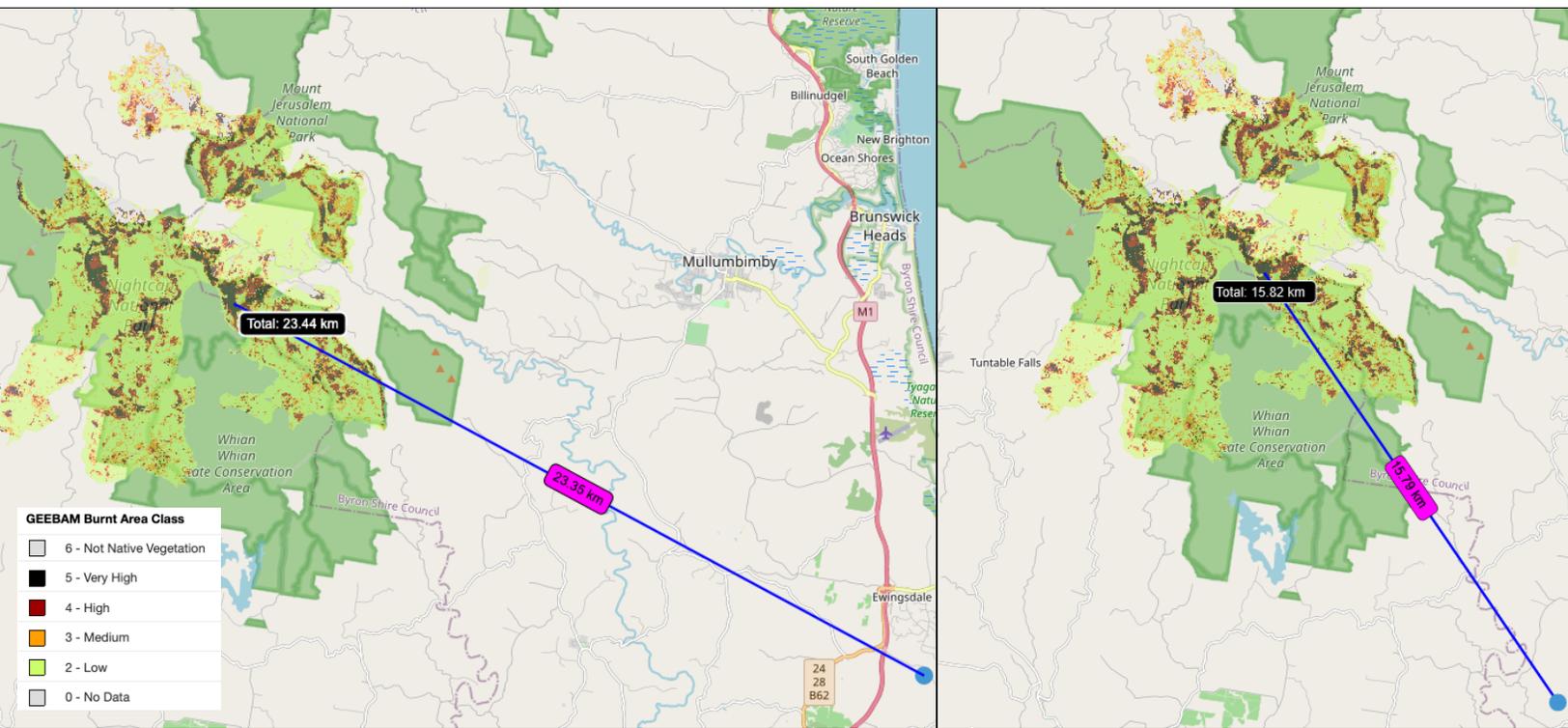
# Fire-Affected Areas

All trees were planted within 50 km of fire-affected areas.

In November 2019, the Mt Nardi fire burnt more than 2,000 hectares of World Heritage Gondwanan Rainforest in Nightcap National Park.

This area is considered 'a living museum of paleo-Antarctic plants that are found nowhere else in the world'.

The ecologically sensitive region lacks pyrophytic plants and should not be exposed to fires of this extent and severity.



Above images extracted from the Google Earth Engine Burnt Area Map (GEEBAM) dataset from NSW Government Central Resource for Sharing and Enabling Environmental Data.

**(Left)** September 22 planting of 3,150 rainforest trees is approximately 24 km from severely burnt rainforest. **(Right)** August 24 and 26 plantings of 6,850 rainforest trees are approximately 16 km from severely burnt rainforest.

# Davidson Plum

*Davidsonia jerseyana*

Listed as **Endangered** under the EPBC Act.



Endangered Davidson Plum saplings, grown in the ReForest Now nursery, were planted at 149 Federal Drive.

Resources -

[https://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon\\_id=67219](https://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=67219)

<https://plantnet.rbgsyd.nsw.gov.au/cgi-bin/NSWfl.pl?page=nswfl&lvl=sp&name=Davidsonia~jerseyana>

# Images

Image files can be provided upon request.



## Next steps

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Thank you for making the choice to get involved with us! Being approached by Landcare is greatly appreciated considering we are such a young group. We started with scrap materials and free labour and in just three short years Landcare has noticed us. Thank you.

What we see on the horizon

- A) We'd like to meet one of your representatives, when suitable, to show you some of our work and our nursery.
- B) From there, we'd like to see if we can develop an ongoing relationship. We believe in Landcare being backed by genuine not-for-profits that will make your limited funding stretch further.
- C) We are ready and able to do further tree planting for you this year.

If you'd like to discuss anything further, please contact the CEO at [info@reforestnow.org.au](mailto:info@reforestnow.org.au) or +61415 134 941 (*direct Australian number*).

Yours Sincerely,

Signed: Maximo Bottaro - CEO & Cofounder



## APPENDIX I : Species List - 149 Federal Drive.

The species list below has been produced from actual records of species used. All of these can be found at your planting site, planted for you. This list was not produced from an existing list and is a true representation of actual works completed.

It represents a diverse mix of 44 different rainforest trees planted. Note, as there are approximately 33,000 other trees on this site from other plantings, the actual number of species planted on the site is far higher.

<i>Acacia melanoxylon</i>	Australian blackwood	<i>Flindersia australis</i>	Australian teak
<i>Acmena hemilampra</i> (hemilan	Broad-leaved lilly pilly	<i>Flindersia schottiana</i>	Cudgerie
<i>Acmena smithii</i>	Common lilly pilly	<i>Flindersia xanthoxyla</i>	Yellow wood
<i>Alphitonia excelsa</i>	Red ash	<i>Glochidion ferdinandi</i>	Cheese tree
<i>Archontophoenix cunninghami</i>	Bangalow palm	<i>Grevillea robusta</i>	Silky oak
<i>Argyrodendron trifoliolatum</i>	White booyung	<i>Guioa semiglauca</i>	Guioa
<i>Blechnum minus</i>	Water fern	<i>Harpullia pendula</i>	Tulipwood
<i>Brachychiton acerifolius</i>	Flame tree	<i>Homolanthus populifolius</i>	Bleeding heart
<i>Castanospermum australe</i>	Black bean	<i>Hymenosporum flavum</i>	Native frangipani
<i>Commersonia bartramia</i>	Brown kurrajong	<i>Lomandra hystrix</i>	Lomandra
<i>Cryptocarya obovata</i>	Pepperberry	<i>Lophostemon confertus</i>	Brush box
<i>Diploglottis australis</i>	Native tamarind	<i>Macaranga tanarius</i>	Macaranga
<i>Dysoxylum mollissimum</i> (mol	Red bean	<i>Mallotus philippensis</i>	Red kamala
<i>Elaeocarpus grandis</i>	Blue quandong	<i>Mischocarpus piriformis</i>	Yellow pear fruit
<i>Elaeocarpus obovatus</i>	Hard quandong	<i>Neolitsia dealbata</i>	White bolly gum
<i>Endiandra pubens</i>	Hairy walnut	<i>Pittosporum undulatum</i>	Sweet pittosporum
<i>Eupomatia laurina</i>	Bolwarra	<i>Syzygium ingens</i>	Red apple
<i>Ficus coronata</i>	Creek sandpaper fig	<i>Syzygium oleosum</i>	Blue lilly pilly
<i>Ficus fraserii</i>	Forest sandpaper fig	<i>Toona ciliata</i>	Red cedar
<i>Ficus obliqua</i>	Small-leaved fig	<i>Trema tomentosa</i> var. <i>viridis</i>	Poison peach
<i>Ficus watkinsiana</i>	Strangler fig	<i>Tristaniopsis laurina</i>	Water gum
<i>Waterhousea floribunda</i>	Weeping lilly pilly	<i>Wilkiea austroqueenslandica</i>	Smooth wilkiea

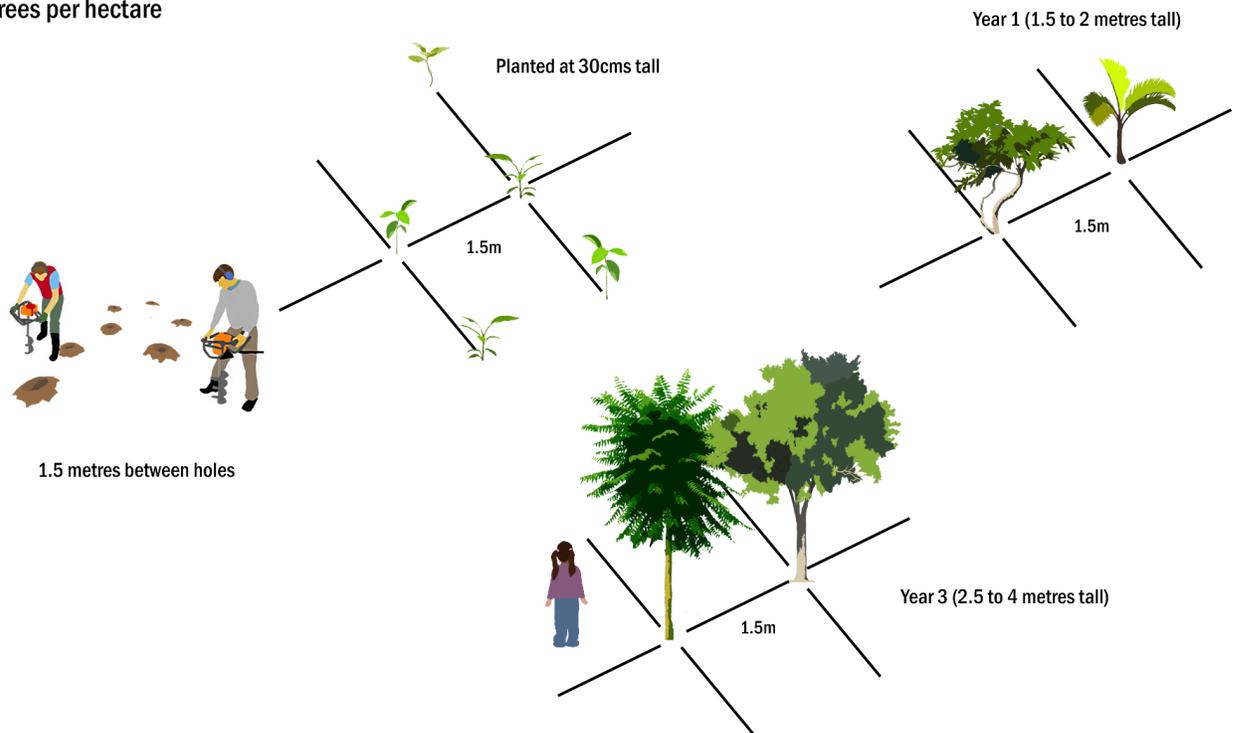
## APPENDIX II : A closer view

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This image below demonstrates how the planting is carried out. Below you can see that a variety of trees are planted 1.5 metres apart. We have mixed your 44 rainforest trees species together so that the faster growing ones are next to the slower growing ones, as to create an interspecies supportive growing structure. We have also specialised in areas such as creeks and on high, dry hillsides.

For the next 2.5 years your trees will be maintained with hand weeding, brush cutting and spraying of grasses to ensure your trees grow fast and produce a canopy to shade out weedy competition. We expect this to happen within a few short years.

4,356 trees per hectare



### APPENDIX III : Density of ReForest Now rainforest plantings.

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At RN, we are not just aiming to form a canopy, as it has been a mainstay of the Northern Rivers to see mature plantings that remain bare underneath, even with over 40 years of regeneration. What we've seen in plantings with 1.8-2 m spacing is that the ground stays open, as if it were a woodland even after 4 decades. Therefore, we aim to recreate thick, moist, biodiverse habitats from day one. The difficulty of this is that over 1,000 more trees are needed per hectare. The ease of it is that maintenance times can be almost halved from 5 years to approximately 3. Our heavy use of water crystals and fertilizer 400mm below ground level in deeply augered holes means that trees have a cool deep reserve of water and minerals to stimulate growth, and there is a significant reduction in the risk of tree losses. We use water crystals on every site, regardless of the time of year.

4,356 trees per hectare

1.5 meter spacing

750 tonnes Co2  
stored per hectare

