

# AGRIWEALTH PTY LIMITED

2010 TIMBER PROJECT



## 2021-2022 ANNUAL REPORT

## Context

This annual report has been prepared in accordance with Schedule 1 Part 3(h) of the Forestry Management Contract between AgriWealth Pty Limited and the Forestry Commission of New South Wales (now known as the Forestry Corporation of NSW (FCNSW)) for the 2010 Timber Project.

## Background

The 2010 Timber Project is located at Wandalla, 40 kilometres south west of Oberon within the Bathurst Management Area (BMA) of Northern Softwoods Region of FCNSW. The project comprises 88.5 hectares of plantation planted in winter 2011.

## Plantation Area

A review of the net stocked area of plantation within the Project was undertaken in 2018 (Table 1). This plantation area review captured the natural attrition and mortality that has occurred since planation establishment.

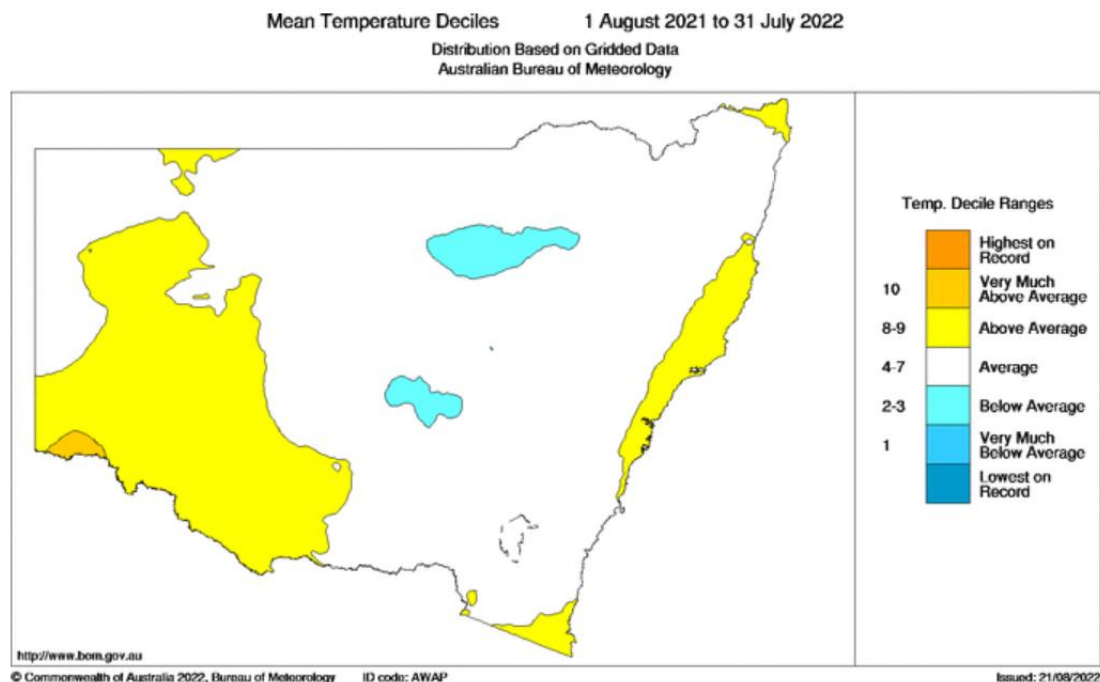
**Table 1 –Net Stocked Area 2018**

<b>Plantation</b>	<b>Net Stocked Area in 2018 (ha)</b>
Wandalla	88.04ha

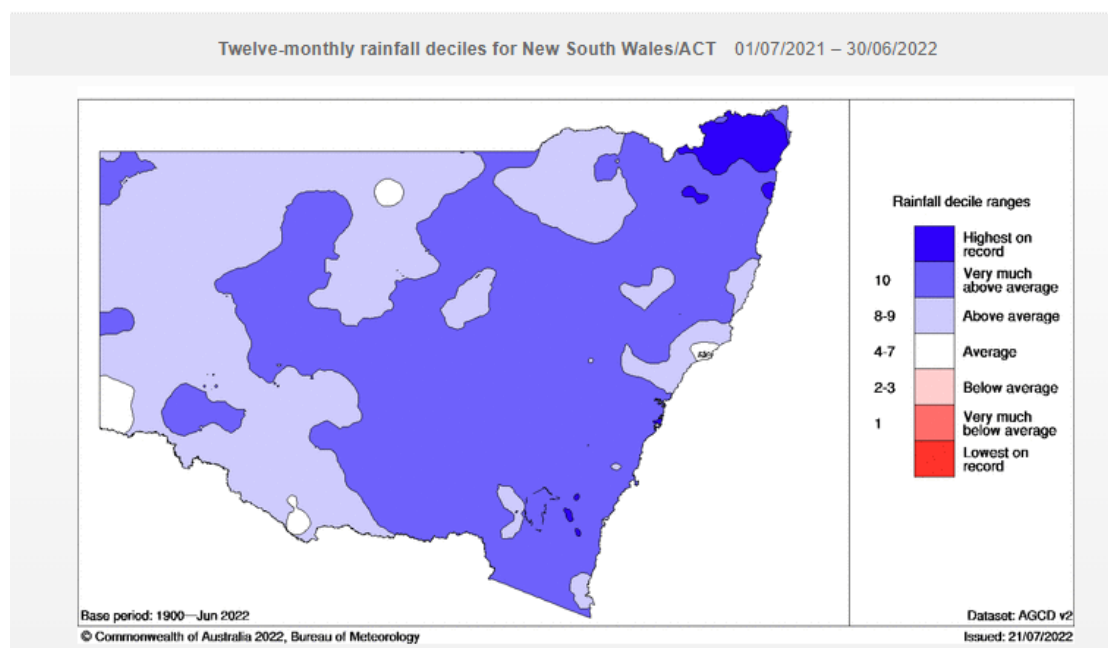
The updated net stocked area which includes Forestry Right Land and Adjoining Land constitutes a change of minus 0.5% from planting.

## Growing Season

Bathurst Management Area experienced another wet year with average temperatures (Figure 1) and annual rainfall very much above average (Figure 2). Rockley received 1032mm from July 2021 to June 2022 compared to the average of 697mm (refer Annexure A). Rainfall was well distributed across the growing season.



**FIGURE 1 – NEW SOUTH WALES MEAN TEMPERATURE DECILES – 2021-2022**



**FIGURE 2 -NEW SOUTH WALES RAINFALL DEFICIENCIES – 2021 - 2022**

## Stand condition

Inspections in August 2022 found the 2010 Project plantation still in good health. As in previous reports the form exhibits the common characteristics of a first rotation ex-pasture stand such as larger branching and stem sweep. Stocking is consistent

2010 Softwood Timber Project - 2021 -22 Annual Report

across the stand with good survival (Figure 3). Trees are growing well on the productive parts of the site (Figure 4), with reduced growth observed on ridge tops and lower fertility areas. Roadside clearing and pruning undertaken in 2021 is still providing good access to the stand (Figure 5).



**FIGURE 3: AUGUST 2022 – CONSISTENT STOCKING AND SURVIVAL ACROSS THE SITE.**



**FIGURE 4: AUGUST 2022 – GOOD TREE HEALTH AND GROWTH.**



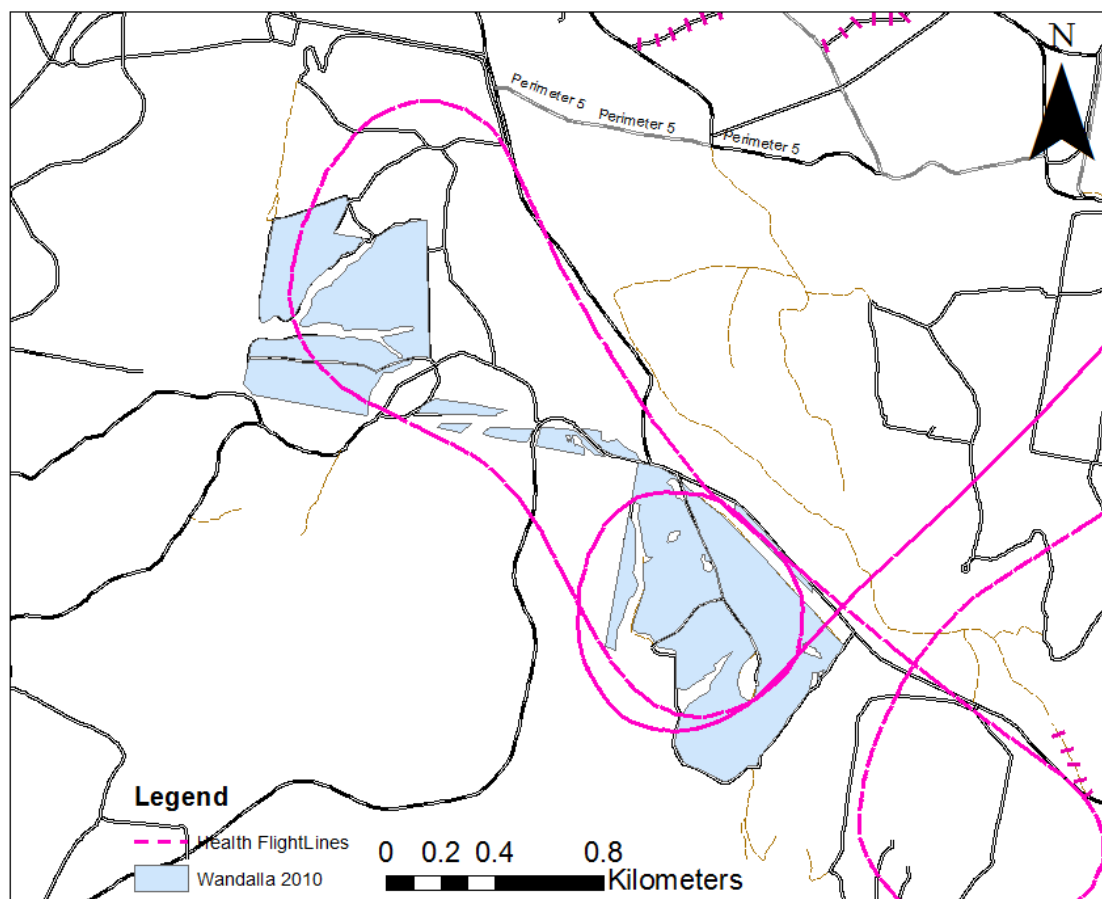


**FIGURE 5: AUGUST 2022 — ACCESS REMAINS IN PLACE FOLLOWING ROADSIDE PRUNING AND VEGETATION CLEARING IN 2021.**

## Forest Health

Aerial and ground-based forest health surveillance was undertaken in August 2022 (Figure 6). Surveillance and management inspections observed low levels of the exotic disease known as Dothistroma needle blight. This fungal disease, which has been established in Australia since the 1970's, causes necrosis and premature defoliation. It is most common in younger stands with higher infection rates during periods of warm temperatures and high humidity, as has been experienced in the region over the past year. The current levels of infestation have been classified as low (1-5%, 5-15%) and will have minimal impact on tree growth. Infected trees are expected to recover and chemical treatment is not required at this time.

Common plantation pests such as the Monterey pine aphid (*Essigella californica*) and Sirex wood wasp (*Sirex noctilio*) are effectively managed in BMA plantations using well established monitoring and biological control programs.



**FIGURE 6: AUGUST 2022 HEALTH SURVEY FLIGHT PATH BATHURST MANAGEMENT AREA**

## Management Activities

An 'Age 10' inventory was derived from aerial LiDAR scans. This technique matches the scanned stand to reference inventory plots, allowing for the prediction of a range of stand metrics. The Wandalla 2010 project inventory results, as at July 2021 are shown in Table 2 below.

**Table 2 – Age 10 Inventory Summary, July 2021.**

<b>Stocking (stems per ha)</b>	<b>1088</b>
<b>Mean Top Height (m)</b>	<b>12.5</b>
<b>Total Recoverable Volume (m3)</b>	<b>132.4</b>

## Fire Incidents

No fire incidents occurred within or near the Wandalla plantations.

## Other Management Issues

Nil

Report Prepared by



**Russell Riepsamen**

**PLANNING MANAGER**

**NORTHERN SOFTWOODS**

**FORESTRY CORPORATION OF NSW**

## Annexure A

### Monthly Rainfall Statistics (Rockley)

