




APPLICATION FOR DEVELOPMENT APPROVAL

PLEASE NOTE THAT PAYMENT MUST BE MADE BEFORE PROCESSING THIS APPLICATION

Owner Details

Name	Mitsui & Co Wood Resources Oceania Pty Ltd				
ABN (if applicable)	14 070 210 990				
Address	Level 15 / 101 Collins Street, Melbourne, Vic			Postcode	3000
Phone	N/A	Mobile	0402 067 664	Work	08 9781 4500
Contact person for correspondence	Rayna Barr				
Signature				Date	28.7.25
Signature				Date	

The signature of the owner(s) is required on all applications. For the purposes of signing this application an owner includes the persons referred to in the Planning and Development (Local Planning Scheme) Regulations 2015 Schedule 2 clause 62(2)

Applicant Details (if different from the owner)

Name					
ABN (if applicable)					
Address				Postcode	
Phone		Mobile		Work	
Contact person for correspondence					
The information and plans provided with this application may be made available by the local government for public viewing in connection with the application.					Yes <input type="checkbox"/> No <input type="checkbox"/>
Signature				Date	

Property Details

Lot No.	8 and 20	House No.		Location No.	
Diagram/Plan No.	73666 & 100703	Title Vol. No.	1801 & 2210	Folio No.	37 & 432
Title encumbrances (eg easements, restrictive covenants)					
Street Name	Bowelling - Mcalinden Road			Suburb	Mcalinden
Nearest Street Intersection		Bowelling-Mcalinden Rd and Cardiff-Mcalinden Rd			



Proposed Development					
Nature of development	Works <input type="checkbox"/>	Use <input checked="" type="checkbox"/>	Works & Use <input type="checkbox"/>	Signage <input type="checkbox"/>	
Is an exemption from development claimed for part of the development?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If yes, is the exemption for	Works <input type="checkbox"/>	Use <input type="checkbox"/>			
Description of proposed works and/or land use					
Replant existing plantation area with radiata pine.					
Description of exemption is claimed					
Nature of any existing buildings and or land use					
No buildings within this title area. Existing land use is plantation.					
Approximate cost of proposed development					
\$500,000 plantation establishment cost					
Estimated time of completion					
Establishment estimated to be complete by October 2026					
Office Use Only					
TPS No.		Zone		Other	
Use Type					
Description					
Assessment No.		Building Licence No			
Acceptance Officer's initials				Date received	
Local Government reference No.					
Cashier					
Application No.		Reception Received Stamp			
Receipt No.					
Amount					
Signature					
Date					



**MITSUMI & CO. WOOD RESOURCES OCEANIA
PTY. LTD.**

ABN 14 070 210 990

*Level 15
101 Collins Street
Melbourne VIC 3000*

*Tel: (03) 9605 8800
Fax: (03) 9605 8888*

Shire of Boyup Brook
Abel St
Boyup Brook, WA
6244

Mr Leonard Long,

Re Application for development approval

Mitsui are submitting a Development Approval for the replanting of an existing bluegum plantation to Radiata pine.

Please find below pertinent information contained within the planning application for Shine Plantation at Lot 8 on Diagram 73666 and Lot 20 on Diagram 100703 on the Bowelling-Mcalinden Road, Mcalinden, known as "Shine".

- The applicant commits to operating in compliance with the Code of Practice for Timber Plantations in Western Australia, the council's firebreak order and DFES's Guidelines for Plantation Fire Protection;
- The applicant remains a member of the Plantation Managers Fire Cooperative Agreement (PMFA);
- Shine plantation is in close proximity to FPCs McAlinden appliance, which the applicant has access to via the PMFA;
- Water tanks exist in multiple locations within close proximity to Shine plantation. Requirement for a tank located at Shine also will be determined upon discussion with the Shire;
- The applicant sees no evidence that replanting this site will negatively impact the amenity of the area;
- There are no existing buildings on the site;
- Management of harvest impacts on roads will be handled in compliance with the Shire's requirements, consistent with how such matters are handled by BFE currently.

Best regards,

Rayna Barr

Rayna Barr
Forester



PLANTATION MANAGEMENT PLAN

MWO SHINE PROPERTY

P 2026

Prepared by

BUNBURY FIBRE EXPORTS

Last updated 28 July 2025

Bunbury Fibre Exports Plantation Management Plan

Introduction

Mitsui & Co Wood Resources Oceania Pty Ltd (MWO) owns a property in the district of Mcalinden, north of the town of Boyup Brook that has grown eucalypts (*E globulus*) for approximately 20 years, established under a joint venture with Nippon Paper Resources. These eucalypts will be harvested in 2025, and MWO is planning to re-establish the property, approximately 200 hectares, with pine softwood (*P radiata*).

Establishment and maintenance of the pine plantation will be conducted by Bunbury Fibre Exports as MWO's appointed property management company.

Situated in the Boyup Brook Shire, the property is located approximately 34 km north of Boyup Brook.

This document outlines the following in relation to this plantation –

1. Property summary
2. Land information
3. Plantation Establishment Plan
4. Plantation Tending Plan
5. Fire Management Plan
6. Timber Harvesting Plan

All relevant maps and plans are attached.

- Contract Map
- Shire Approval Map

References:

- *Code of Practice for Timber Plantations in Western Australia*
- *Guidelines for Plantation Fire Protection (2011)*
- *Local Shire Council Firebreak Orders*
- *Plantation Managers Fire Agreement*

1 PROPERTY SUMMARY

Plantation Name:	Shine
Landowner:	Mitsui & Co Wood Resources Oceania Pty Ltd
Planting Year:	2026
Area:	Approximately 200 ha (<i>P radiata</i>)
Location Number:	Nelson Locations Title: <ul style="list-style-type: none">- Lot 20 Plan 100703- Lot 8 Plan 73666
Catchment:	Collie River
Avg Annual Rainfall:	688 mm (Mcalinden Weather Station Ref. No: 9666)
Topography:	Flat - total elevation change 33 metres
Aspect:	Mostly northerly

2 LAND INFORMATION

2.1 Area

The general area is zoned for the purpose of agriculture/plantations. The area is remaining under plantation with the current short rotation eucalypt plantation being converted to a long rotation pine sawlog plantation.

2.2 Locality plan and access roads

A location plan is attached. Access to the property is from Bowelling-Mcalinden Road and Cardiff-Mcalinden Road.

2.3 Natural features

2.3.1 Principle soil types:

The soils are predominantly Dwellingup Subsystem undulating lateritic divides with gravels and sands.

2.3.2 Areas of native vegetation:

This property includes areas of native vegetation. These areas will be excluded from the plantation establishment area.

Fuel reduction burns of native vegetation areas will be planned as part of maintaining a low fuel load over the plantation area. Determination of actual fuel loads present in remanent vegetation will occur as part of the plantation establishment and any fuel reduction planning will be in consultation with Boyup Brook CBFCO.

2.3.3 Significant landscape, Cultural and Heritage values:

Searches of the relevant databases by an independent third party has determined the property falls within the Gnaala Karla Booja Indigenous Land Use Agreement Area. The property has Mythological heritage values identified associated with the Wagul/Waugal/Waagal.

These identified areas will be excluded from plant areas and identified as exclusion areas on all plantation maps.

2.4 Improvements

2.4.1 Buildings

There are no buildings within the plantation establishment area.

2.4.2 Roads, bridges, creek crossings

Internal access roads have been upgraded as part of the harvesting and establishment operation; these roads will be retained when the site is re-established allowing adequate access throughout the plantation for fire control purposes.

The roads will be compartment boundaries and also act as firebreaks. These roads will comply with the Shire of Boyup Brook firebreak notices and DFES Guidelines for Plantation Fire Protection.

2.4.3 Fences, gates and dams

There are no internal fences.

External fences range from poor to fair condition. The eastern and northern fences are in good condition, with the southern and western fences requiring maintenance.

Access to the property is via the Bowelling-Mcalinden Road and the Cardiff-Mcalinden Road

There are two dams on the property that will be monitored for water levels.

2.4.4 Powerlines, Telstra cables etc.

There is one powerline on the property running north east to south west. All setbacks required will be adreaded to.

There is a Telstra cable entering the property at two points along the Bowelling-Mcalinden Road as indicated in the attached map. These are demarcated within the property boundary as non-plantation areas.

3 PLANTATION ESTABLISHMENT PLAN – (Summary)

3.1 Areas of native vegetation, including paddock trees to be cleared

There is no native vegetation that requires removal as part of the re-establishment.

3.2 Management of logging residue (pine sawlog rotation)

Best endeavours will be made to have the harvest residue (slash) piles from the eucalypt harvest operation removed via biomass chipping from site.

If this is not possible, slash piles will be burnt to remove harvested debris prior to ripping or mounding. All Shire guidelines will be followed.

3.3 Control of vermin and declared weeds

Bunbury Fibre Exports (BFE) as the property manager, will take all reasonable steps to control rabbits and other pests.

Vermin control in the form of a licenced shooter and baiting will take place. Where possible, BFE will work with any programs that are taking place at neighbouring properties to increase effectiveness.

BFE will participate in any community/neighbour based joint fox control.

BFE will also be responsible for the control of declared plants within the property. The site has been checked for the presence of declared weeds with none currently present. Monitoring will be ongoing.

3.4 Areas to be planted, compartment sizes

The plan attached shows the plantation area; the area has been divided into compartments according to the Guidelines for Plantation Protection.

All compartments will be under 30 hectares in size and will have a six metre fire break between neighbouring compartments with vertical clearance to five metres. Setbacks from water ways will be established in line with the Code of Practice for Plantations in Western Australia.

3.5 Species to be planted and source of seedlings

The site is to be planted with *Pinus radiata* sourced from Tree Breeding Australia seed orchards and raised Southwest nurseries.

3.6 Direction of planting lines in relation to contours and natural drainage

The direction of the planting lines will be dictated by the existing planting direction, due to the stumps left after harvesting.

3.7 Description of soil preparation methods

The site will be ripped or mounded where necessary using a 4x4-tractor / plough configuration at 4 metre rowing spacing with a view to plant 1111 stems per hectare utilizing existing stump lines.

Weed control will follow the ripping/mounding operations prior and/or post planting as required.

3.8 Description of weed control methods, including herbicide application rates and buffer zones

The Blue gum coppice from existing stumps will be the main issue so far as vegetation growth competing with pine seedling establishment. The post harvest coppice will be sprayed to eliminate this competition.

Neighbours will be notified prior to operations occurring.

Pre-planting Coppice

Broadspray using 3 litres per hectare of Glyphosate mixed with 60 grams of Metsulfuron-methyl and 1000ml of Pulse per hectare with a wetting agent in 400 litres per hectare of water.

Strip spraying

To control the occurrence of annual grasses across the site, the post-plant strip spray prescription for mounds/rips is 2 litres per hectare of Amitrole – T, 3kg per hectare of Atrazine and 20g per hectare of Sulfometuron Methyl in 100 litres of water per hectare.

Post-plant strip spray may take place as the only weed control, or in conjunction with a pre-plant spray. This will depend on the vigour of the weeds on site.

Appropriate buffer zones, in line with label requirements and Code of Practice for Timber Plantations in Western Australia guidelines will be observed in order to prevent contamination of waterways. All operations will be carried out in accordance with the weed control guidelines stated in the Code of Practice for Timber Plantations in Western Australia by licensed contractors.

3.9 Planting technique

Trees will be planted using a hand-held tree planter. Planting contractors will carry plants from a central plant dump from within the property to sections within the proposed planting area by 4x4 utilities and 4x4 ATV motorbikes.

The proposed plantation is to be planted at 1111 stems per hectare in a 4m x 2.25m configuration.

3.10 Access roads and firebreaks

The two plantation entry points from the Bowelling-Mcalinden Road and Cardiff-Mcalinden Road will have a plantation sign in place. This will detail the plantation name and 24-hour BFE monitored phone number.

Gate access is by the established farm gate that is approximately 5 metres wide.

Access roads and firebreaks are shown on the plans attached. External firebreaks are 15 metres wide with 6-metre access roads / firebreaks internally.

Firebreak maintenance to Local Authority guidelines is the responsibility of BFE on behalf of the landowner. Firebreak maintenance must be completed prior to November 30th each year. With firebreaks graded or sprayed as required, and five-metre vertical clearance in place.

Firebreaks will not exceed a grade of one in eight and cross fall will not exceed one in thirty-three as per the DFES Guidelines for Plantation Fire Protection.

Water barriers will be added into access tracks/firebreaks to assist with water run off as necessary when firebreaks and roads are established and maintained throughout the life of the plantation to ensure any water runoff from the property is directed back into the plantation area to the best endeavours of BFE.

4 PLANTATION TENDING PLAN

4.1 Grazing strategy

The planting area is suitable for grazing by livestock once pines are approximately three years old, however the condition of the external fences is variable with most being not fit for purpose.

The aim of grazing is to reduce the amount of grass present on the firebreak, and under the tree canopy, thus reducing the fire risk. This will be done by offering neighbouring landowners the opportunity to graze livestock on appropriate areas within the property once the trees have reached the required height. All fencing will be to a level to ensure stock remain within the plantation area.

4.2 Pruning and thinning schedule

Tree branches that intrude onto designated firebreaks will be mechanically pruned to meet Local Authority and DFES Guidelines for Plantation Fire Protection Guidelines.

Crop trees will be thinned twice before the final harvest, but no other pruning is scheduled.

4.3 Fertilising schedule

There will be an initial fertilizer application, ideally in the year of planting, to raise soil conditions to an appropriate nutrient level for tree establishment. Type and rates of fertilizer used will be determined following nutrient analysis of soil samples.

The method for fertiliser delivery post planting is by hand using a tree planter and delivering the required amount of fertiliser to each individual seedling.

Fertiliser applications to sustain tree vigour and health will be applied at 15 years of age or post first thinning. The fertiliser will be applied by ground or air. Rates and types of fertilisers will be dependent on results from soil and folia sample analysis.

4.4 Weed management

As part of the ongoing maintenance to the tree crop area a second weed control application may occur during the next winter of the year following planting. (ie winter of year 2027). Weed types present will determine the weed control prescription.

4.5 Monitoring and contingencies for diseases and pests

Early Growth Monitoring will occur weekly from the end of planting through to the end of February in the following year. It is not envisaged that any diseases will be found that will affect the plantation or surrounding native vegetation. Upon detection of any pest found to be causing damage to the plantation, an appropriate bait and/or spray will be applied where required.

4.6 Road and break maintenance

Access roads and firebreaks are shown on the plans attached. External firebreaks are 15 metres wide with 6 metre wide access roads / firebreaks internally with 5 metre vertical clearance. Firebreak maintenance to Local Authority guidelines and DFES Guidelines for Plantation Fire Protection is the responsibility of BFE on behalf of the landowner.

Maintenance of firebreaks will initially occur post planting using mechanical means, i.e. grader, and be maintained from this point with yearly, or as required, chemical weed control. Fire breaks will not have a grade greater than 1 in 8 to allow sufficient access to all fire appliances and infrastructure.

If further grading is required as identified in plantation inspections, this will be the responsibility of BFE to ensure compliance.

Summary Table Site Establishment

Operation	Details	Likely timing
Access tracks	Maintenance of access tracks for firebreaks and plantation access.	September - Dec
Planting preparation	Removal of harvest waste through burning if required	May / June In line with restricted burning periods and weather conditions
Cultivation	Ripping and/or mounding	Feb – May
Planting	Target stems per hectare 1111 in 4m x 2.25m configuration with Radiata pine	June - August
Fertilising	Delivered into ground next to seedling by hand. Product determination upon soil analysis Post first thinning, by air or ground as required. Product determination upon soil analysis	August – September August – September
Weed Control	Site dependent if both operations	

	or only one. Pre-plant spray Post-plant strip overspray 2 nd year strip overspray if required	May – June July – August May – June
Firebreaks	Maintaining clear of vegetation with unimpeded access for firefighting. Spraying and/or grading as required.	August – October
Pest Control	During monitoring review of plantation for any pest identified and treat accordingly. Pests include but are not limited to: insects, rabbits, kangaroos and pigs	Ongoing as required
Fencing	External fence repair	Ongoing as required

5 FIRE MANAGEMENT PLAN

5.1 Landowner property details

NAME	Mitsui & Co Wood Resources Oceania Pty Ltd
ADDRESS	Level 15, 101 Collins Street, Melbourne VIC 3000
PHONE NUMBER	MEL: 03 9605 8800 Bunbury: 08 9781 4500
LOCATION NUMBER(S)	Lot 20 on Plan 100703 Lot 8 on Plan 73666
SPECIES OF TREES PLANTED	<i>P radiata</i>
TOTAL AREA PLANTED	Approximately 200 hectares <i>Pinus radiata</i> plus any native plantings carried out
PREVIOUS LAND USE AND CONDITION (ie pasture, ex bush)	Eucalypt plantations

5.2 Property details of neighbouring locations

NAME	Phone Number	LOCATION NUMBER(S)
Deidre & Stephen Parker	0414 946 573	Lot 3746 on DP 104922
Janine Wooding	TBC	Lot 235 on DP 302003
Ronald Wood & Suzanne Begbie	TBC	Lot 21 on Diagram 100703

FPC	08 9725 5288	Lot 1996 on DP 123486 Lot 6 on Diagram 48507
Mitsui & Co Wood Resources	03 9605 8800	Lot 7 Diagram 73667
Department of Biodiversity, Conservation and Attractions	08 9735 1988	State Forest

5.3 Local fire agencies

AGENCY	ADDRESS	PHONE NUMBER	CONTACT PERSON
DBCA Wellington District	Collie	9735 1988	Duty Officer
DBCA Blackwood District	Kirup	9731 6232	Duty Officer
BFE Pty Ltd	Berth 8 Leschenault Drive Bunbury WA 6230	9781 4500	Manager
Boyup Brook Shire Office	Abel Street Boyup Brook WA 6244	9765 1200	Reception
Chief Bush Fire Control Officer Boyup Brook	Abel Street Boyup Brook WA 6244	0427 673 072	Ben Thompson
Deputy Chief Bush Fire Control Officer Boyup Brook	Abel Street Boyup Brook WA 6244	0497 671 340	Tristan Mead

5.4 Risk of ignition

Potential ignition sources are mainly restricted to lightning strikes, adjoining roads and escapes from burning operations on surrounding land plus machinery caused fires from both plantation and cereal harvesting operations.

5.5 Detection of fires

The landowner, neighbours and passers-by, and the existing brigade system will undertake fire detection.

On days identified as extreme fire danger BFE will ensure increased monitoring of plantations.

In addition, Department of Biodiversity, Conservation and Attractions (DBCA) spotter aircraft regularly fly within smoke spotting distance of the area and will report all smokes sighted. In the event of a fire, 000 should be immediately called, then the Shire Chief Fire Control Officer should be notified. The CFCO should in turn contact Bunbury Fibre Exports.

BFE as plantation managers and all contractors engaged by BFE will abide by all harvest, vehicle movement and fire bans as issued by the Shire of Boyup Brook.

5.6 Training

Potential BFE staff have undertaken DFES Bushfire Safety Awareness and DFES Firefighting Skills or equivalent, as a minimum requirement.

All contractors engaged for fire suppression activities will also hold these minimum requirements or equivalent.

5.7 Location Of Fire Control Equipment

Fire units that may be available are both privately owned and volunteer brigade units derived from neighbouring properties and central depots, as well as plantation industry firefighting resources.

In addition, the plantation industry as a whole has recognised the importance of a unified approach to the control and management of fires within or close to its plantation estate and has developed the Plantation Managers Fire Agreement to ensure the most efficient and effective responses are made to wildfires. BFE are one of nine plantation industry signatories to this Agreement. The combined resources of the industry in terms of both manpower and equipment are extensive and are strategically located both in major centres and on or near plantations throughout the South West and Great Southern Regions. In the event of a fire on or threatening these properties BFE can call on the combined resources of the plantation industry in accordance with the protocols laid out in the Agreement. Information relating to suppression resources at an industry level are also tabled below.

Location and capacity of Brigade fire appliances:

Location	Light Units Min. 450L	Med. Duty Units Min. 1900L	HD Units Min. 2700L
Maclinden			1

Location and capacity of fire appliances:

Location	Light Units Min. 450L	Med. Duty Units Min. 1900L	HD Units Min. 2700L
BFE Bunbury	3		1
BFE Collie	2		2
PF Olsen Collie	1		1
WAPRES Manjimup and Bunbury	2		2
ENTS Forestry Bunbury	1		1
FPC Mcalinden			1

Note: WAPRES also have a 950 loader and 10,000 litre water truck located at Manjimup

Location and capacity of DBCA fire appliances:

Location	Light Units Min. 450L	Med. Duty Units Min. 1900L	HD Units Min. 2700L
DBCA Blackwood & Wellington Districts Collie and Kirup	8	2	8

5.8 Initial attacks on fires

In the event that BFE becomes aware of a fire within, adjacent to or approaching the property, staff must first alert the relevant authorities by calling triple zero.

Staff should then identify the most appropriate and available fire attack options, which are likely to be those in closest proximity to the fire, being those located in Boyup Brook or Mcalinden (both within 30 minutes of the plantation). The most appropriate attack option must also consider the suitability of the equipment and personnel in the context of the particular incident.

As the landowner, Bunbury Fibre Exports will be the primary firefighting source supported by other plantation industry operators through its plantation industry agreement and utilising the FPC McAlinden based fire appliance.

Initial attack on fires will be via the Bush Fire Brigade system coordinated by the local Fire Control Officer, Boyup Brook Shire and DFES. The Boyup Brook Shire have advised that they will not enter plantations or forests on private land but are likely to attend the boundary of the property to assist with fire which is burning in adjacent grassland. BFE and the plantation industry will also supply units for fire suppression, mop-up and control.

Initial attack on a fire will be dependent on head fire rates of spread and fire intensities. It is proposed experienced personnel will assess each fire, in response to the following values in order of priority.

1. Human Life.
2. Community assets, property or special values (including environmental values).
3. Cost of suppression in relation to values threatened.

With fire behaviour and values in mind response strategies should follow this order of priority as a guide -

- 1 Direct attack on headfires where (Head Fire Forward Rate of spread) HFROS allows.
- 2 Indirect attack on headfire by extinguishing flank fire working towards the headfire.
- 3 Limit fire spread to pre-determined internal strategic firebreaks.
- 4 Limit fire spread to compartment breaks.
- 5 Limit fire spread to property boundary firebreaks where property is block planted.
- 6 Fall back to neighbouring properties, roads or where fire can be safely extinguished.

5.7 Access in and around plantation

Access to the plantation is via Bowelling-Mcalinden Road and Cardiff-Mcalinden Road.

The plantation will have trafficable firebreaks in and around the perimeter in accordance with Shire by laws and Guidelines for Plantation Fire Protection.

External breaks will be 15 metres wide, internal fire breaks 6 metres. Access will also be maintained to water supplies. (See map for details)

5.8 Method of road, track and firebreak maintenance

Most firebreaks will be sprayed in early spring to ensure the appropriate width of mineral earth break is obtained prior to the fire season. Appropriate buffer zones will be observed in order to prevent contamination of waterways.

Grading will be used if required to improve trafficability on the roads and firebreaks and to construct water barriers if required to manage water-flow on the firebreaks and to minimise the potential for erosion

5.9 Measures to protect powerlines

A powerline runs through the property from north-east to south-west. All required setbacks as per Western Power guidelines and The Guidelines for Plantation Protection will be adhered to.

5.10 Direction indicators of water points, road signs and other features

Water points will be marked on the fire control plan and will be sign posted in the field with regard to direction and position.

Copies of the maps will also be placed in a waterproof canister at the access points to the property on Bowelling-Mcalinden Road and Cardiff-Mcalinden Road.

5.11 Water supplies

During establishment of the plantation consultation with the Boyup Brook Shire will be undertaken to establish the requirement for water tanks on site, due to the 280,000 litres accessible within 3 kilometres of the Shine Plantation.

The water points on the property will be maintained to provide permanent water supplies throughout the summer months for fire control purposes.

Portable pumps may be required to access water during dry seasons.

Adjacent properties have water tanks that are available to BFE for fire control purposes.

Jackson Plantation managed by BFE on the eastern boundary has 180,000 litres in two tanks. The FPC property on Mcalinden Road, 3 km west, has a tank of 100,000 litres.

5.12 Surrounding fuels

There are no plans, at this stage, to carry out a fuel reduction program on or adjoining the property.

5.13 Fire breaks

Firebreaks will be maintained in accordance with Shire regulations and the Guidelines for Plantation Fire Protection, as shown on the attached map by the landowner.

5.14 Existing plantations in the area

The nearest plantation is immediately on the eastern boundary of Shine. This is Jackson Plantation and managed by BFE. South of the property across the Bowelling-Mcalinden Road is FPC Muja plantation.

Half a kilometre west is the FPC Mcalinden 1 plantation.

5.15 Surrounding values

The closest house is located 100 metres from the south west corner of the plantation. A second house is located 110 metres north of the plantation.

Other boundaries of the property are farmland, a BFE managed pine plantation and a DBCA reserve.

5.16 Proximity to townsites

The plantation is approximately 34 km north of the Boyup Brook town centre via Boyup Brook Road North.

6. TIMBER HARVESTING PLAN

6.1 Location of harvesting operation

The first and second harvesting or thinning operations on this proposed plantation will take place over the entire area of the plantation as shown on the attached map and will be based on a harvesting plan to be developed closer to the time of harvesting which will be in approximately 2055. Haulage route will be via Cardiff-Mcalinden Road.

BFE will liaise with the Shire when submitting application for Shire Endorsement to use Multi Combination Vehicle (MCV) for road haulage.

Bowelling-Mcalinden Road and Cardiff-Mcalinden Road are currently on the Main Roads WA HVS RAV Network for Network 2 vehicles with conditions.

6.2 Timetable

Thinning will occur when the plantation is approximately 15 years of age, and a further thinning at 22 years of age with the final harvest at 30 years of age.

6.3 Harvesting operations

Harvesting will be carried out using conventional plantation harvesting equipment. This currently consists of track mounted harvesters fitted with a felling / debarking head which leave processed logs in the plantation to be picked up by an all-wheel drive rubber tyred forwarder which are later loaded on to trucks. The operation will be a clear fall, which means all standing trees will be removed.

6.4 Machinery and transport

Transport will be by truck configurations, which are legal and permitted by Main Roads and Local Authorities.

Cardiff-Mcalinden Road is currently on the Main Roads WA HVS RAV Network for Network 2 vehicles with conditions.

6.5 Environmental safeguards

The extraction of timber will be carried out using appropriate equipment for the plantation and soil conditions and competent personnel to achieve the standards of safety, environmental care and economic efficiency.

6.6 Safety

Plantation operations will be as safe as possible and comply with occupational health and safety legislation, and the Safety Code for Forestry Western Australian must be observed.

Note: A map including areas to be planted, fire breaks, water points, initial access points and other protective measures must accompany the plan.

Updated by: Rayna Barr

28/07/2025

Approved by Plantation Manager:

Rayna Barr

28/07/2025

Proposed Planting Map
BTE SHINE

Plantation Details

Address: NNE Cnr of Bowelling-Mcalinden Rd & McAlinden Road, McAlinden WA 6225
Title: 1801/37 & 2210/432
Title Area: 341.6ha
Land Owner: Mitsui Bussan Woodchip Oceania
Contact: Rayna Barr
Phone: 0402 067 664
Plantation Manager: Bunbury Fibre Exports
Contact: Rayna Barr
Phone: 0402 067 664
Fire Contact: 08 9721 5963
Shire: BOYUP BROOK

Plantation Area

Proposed Pine Plantation Area = 198.8ha

Total Plantation Area: 198.8ha

Legend

- | | |
|---------------------------------------|--|
| Access Gate | Native Vegetation Buffer - 4.8ha |
| Permanent Water Point | Aboriginal Cultural Heritage Area - 1.1ha |
| Culvert Crossing | Aboriginal Cultural Heritage Buffer Zone - 2.1ha |
| Fire Access Track | Soak - 4.3ha |
| Track | Strategic Fire Break - 13.4ha |
| Transmission Line 32kv or less | Fire Access Track - 6.1ha |
| Watercourse - Non Perennial | Watercourse - 2.2ha |
| Drain | Drain - 0.4ha |
| Cpt Link Arrow | Dam - 0.9ha |
| Communication Line (Copper) (in area) | Dam Buffer - 0.3ha |
| Sealed Road - 2 Lanes | Powerline Easement - 7.2ha |
| Unsealed Road - 2 Lanes | Unproductive - 0.6ha |
| Unsealed Track - 1 Lane | Cadastre |
| Native Vegetation - 99.5ha | Shire Boundaries |

Note: External firebreaks are a minimum of 15m wide and internal breaks are a minimum 6m wide, with a minimum 6m trafficable and 4.5m vertically. All breaks do not exceed a maximum grade of 1 in 8, or a maximum cross fall of 1 in 33. Internal tracks are a minimum 3m clearance on either side of the pavement with (total 6m) have a minimum 4m vertical clearance and a minimum load limit of 15 tonnes. Turnarounds have a minimum inner radius of 12m.

Map Scale: 1:11,500@ A3
Projection GDA94 Zone 50
Author: L Adamson, Esk Spatial
Date: 28/07/2025

