

Forest Practices Act 1985

Forest Practices Plan

FPP No.: ALH0006-01

Certification Number: 2017-0072

Local File ID: 2077

Update Type: Initial

Last edit by: [Redacted]

Created on: 08/12/2016

Updated on: 17/02/2017

It is necessary to read this Forest Practices Plan in its entirety for the specifications required by Section 18(2) of the Forest Practices Act 1985. This Forest Practices Plan authorises forest practices and operations to which it refers on the land specified in the Plan and during the period specified in the Plan, provided that the operations are carried out in accordance with the Plan. This authority is given for the purposes of the Forest Practices Act 1985 only. Those carrying out the operations under the Plan should ensure that they comply with all relevant laws including the conditions of licences, permits and other authorities issued under other laws.

Coupe Name:	RP004A	Location:	Repulse Forest Block	PTR Number:	-
Tenure:	Permanent Timber Production Zone Land	BRA 4 region:	Central Highlands	UPI or PID Numbers:	-
District:	Derwent	Municipality:	Central Highlands	Landowners:	Forestry Tasmania
Map Sheet:	WYLD5 : 4429	Grid reference:	459663mE, 5296143mN	Principal Processors:	Forestry Tasmania
Applicant:	Forestry Tasmania, 79 Melville Street Hobart, Hobart Tasmania 7000, 62358333				

Parent Rock 1:	Jurassic Dolerite (JDL)	Soil Description 1:	Clayey (CLA)	Stoniness 1:	M
2:		2:		2:	

Erodibility Class 1: Low (L) 2: Majority Slope: 12 deg. Maximum Altitude: 635 m

Within town water catchment:	Yes	Within a landscape zone in a Municipal Planning Scheme:	No
Water Intake:	98 - Derwent River - Ouse	Known Domestic Water Supply Intake within 2km:	No
Distance to Intake:	34.8 km	Net Area of Crown Land Reserve:	0.0 ha

Public Safety Risk Assessment: Not Required

Emergency meeting Point: 172 - REPULSE - INT JUNGLE RD, DAWSON RD AND R8 RD

Plan certified by:	[Redacted]	Date certified:	17/02/2017	Plan lifetime:	17/02/2017 - 31/08/2020	Date notice of intent sent:	08/12/2016
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Discrete Operational Phase	Estimated Start Date	Estimated End Date	Details
Roading	17/02/2017	31/08/2018	Main Road Outlet: No Road lengths (km): 1: 0.0 2: 0.0 3: 0.09 4: 0.0
Timber Harvesting	01/05/2017	31/08/2019	Minimum Class of Equipment to be used Dry: C1 Wet: C1 Cable: NA
Reforestation	01/03/2017	31/08/2019	
Reforestation Assessment	01/03/2017	31/08/2020	

Current RFA Forest Community and/or Land Use	Prescription	Ha
E. regnans forest (R)	Clearfall followed by Sowing of Native Seed (CF-NF)	37.20
Tall E. delegatensis forest (DT)	Clearfall followed by Sowing of Native Seed (CF-NF)	26.00
Net Operational Area: 63.20	Total Area to be Reforested: 63.20	Total Area to be Harvested: 63.20
		Total Area of Operation: 63.20

[Handwritten signature] 17/2/17

FOREST PRACTICES PLAN

A. GENERAL

- Forest Practices Plan (FPP) Objective: Roading will be constructed in RP004A to allow it to be clearfelled with ground machinery. The coupe will be regenerated to native forest following a high intensity burn.
- Forest Practices shall be carried out in accordance with the principles and approaches specified in the current Forest Practices Code. All Forest Practices Code (FPC) mandatory statements ("will" statements) apply, whether or not they are referred to below. The specific requirements set out below are also mandatory.
- The Contractor is required to have the following on site during active operations:
 - a copy of the certified Forest Practice Plan, and any subsequent Variation(s)
 - a copy of the current Forest Practices Code
- The Contractor is required to have a copy of the FPP, any subsequent Variation(s) and the Contractor Photo Guide to Natural and Cultural Values, on site during operations.
- As a measure to reduce the spread of weeds and or pathogens on Permanent Timber Production Zone Land, all Roading, Harvesting and Site Preparation Machinery will be washed down before being transported to this operation and washed down again, prior to leaving this operation. Wash down will be carried out in accordance with the "Tasmanian Washdown Guidelines for weed and disease control".
- Management of fuels, oils, rubbish and emissions will be carried according to section F of the Forest Practices Code 2015. Any spills that cause or threaten to cause environmental harm will be reported to Forestry Tasmania as soon as possible. Refuelling sites will be located at least forty (40) metres from any water course to minimise the adverse effects on water quality in the event of any spillage and will be surrounded by an earthen bund capable of containing a fuel spill.
- The current "Fire Prevention at Forest Operations" Procedure (Forest Industry Fire Management Committee) will be adhered to during all operational phases of this plan.
- Note: There is the potential to encounter old blue tape from previous thinning treatment. Operators conducting works under this FPP need to take measures to ensure they are working to correct boundaries as per FPP Map.

B. BUILDING ACCESS TO THE FOREST (ROADING)

Refer also to Part D. Conservation of Natural and Cultural Values

- This plan allows for the development of a short link road to enable carting from Tim Rayners Road 1 on to Tim Rayners Road in a direction opposite to the intent of the original infrastructure development.

B.1. LOCATION

- The attached FPP Map details the approximate location of proposed new road construction.
- The road centre line is marked in the field by RED tape.

B.2. SPECIFICATIONS

- The construction of approximately 0.09 kilometres of Forest Practice Code Class 3 Road.
- Culvert spacing will meet the requirements of the FPC for low erodibility soils. The minimum culvert size will be 300 mm.

B.3. CLEARING AND FORMATION

- Roadline clearing will be kept to a minimum at all times.
- Unless stated otherwise the maximum clearing width for the roadline should not exceed 30 metres. Trees outside this width may be removed if:
 - I. Required to improve sightlines and increase effective road drainage
 - II. Considered to be hazardous, to both road users and the road structure

These trees will be identified and approved by a Forest Officer prior to removal.

- Timber will be felled / pushed using road construction machinery and stacked where practicable for recovery during harvesting phase.

Initials of parties to the Plan	Landowner and Applicant: <i>DW</i>	FPO: <i>DSJ</i>
	Date: <i>17/2/17</i>	Date: <i>17/2/17</i>

- Where practical, trees will be felled or pushed parallel to the roadline clearing, aiming to minimise the damage to trees outside the maximum clearing width.
- The contractors involved in this phase will report the presence of seed crops to a Forest Officer.
- Standing trees outside the clearing width will be left free of road clearing debris.

B.4. STREAMSIDE MANAGEMENT

- No streams will be affected during this phase.

B.5. RESTORATION

- The roadline formation will be gripped to the standard specified in the FPC for snig tracks on low erodibility soils, if delays, of greater than one week, are expected or experienced after formation and prior to drainage construction.
- Drainage systems including table drains, culverts and trafficable grips will be kept functional at all times during the operation and will be left clear and functioning at the completion of the operation.
- The contractor will inform Forestry Tasmania when restoration works are complete to enable a final inspection to be carried out prior to removing all machinery from the harvest area.

C. HARVESTING OF THE TIMBER

Refer also to Part D. Conservation of Natural and Cultural Values

- Harvest prescription is **clearfell**.
- Harvesting of timber will only occur within the harvest boundary as indicated on the attached FPP Map and as marked on the ground in **BLUE** tape – responsibility Forestry Tasmania.
- The minimum standard of equipment to be used in this operation is FPC Class **C1** equipment.

C.1. LANDINGS

- Two (2) landing sites (numbered 1 and 2) are available to be employed under this plan with approximate location(s) shown on the attached FPP map.

Landing Management

- Landings will be managed as all weather landings. They will be well drained, and if required, drains will be established to divert water away from the landing area.
- Landings should be kept as small as practical and will not exceed 0.2 hectares unless approved by an F.P.O. to 0.3 hectares.
- The contractor is encouraged to minimise the production and handling of bark and waste wood at the landing. Bark and waste wood will be managed by returning progressively, as much as practicable of this material to the bush and distributing this as evenly as possible.
- Landings will be established on a pad of bark from processed trees. If a rocky or suitably solid base is not available, landings, including processing area, will be corded prior to establishing the bark pad.
- Fuel tanks should be located so that roads will not be crossed to re-fuel machines. Wet season access tracks to fuel tankers should be corded.

C.2. SNIG TRACKS

Snig Track Location

- Old existing snig tracks are to be used where practicable.
- The approximate location and direction of snig tracks are indicated on the attached FPP Map.
- Snig tracks will be kept to a minimum.

Snig Track Management

- Cording or “matting”, of sections, of main snig tracks will be required during the wet season to minimise rutting. Logging slash and debris will be used as cording whenever possible. Matting will protect feeder tracks where material is available and where necessary.
- It is the responsibility of the contractor to cease operations when water runoff exceeds the minimum standards of the FPC.
- Snig track restoration will be carried out progressively, in accordance with the FPC and Part C.5. of this FPP.

Initials of parties to the Plan	Landowner and Applicant:	<i>OW</i>	FPO:	<i>BB</i>
	Date:	<i>17/2/17</i>	Date:	<i>17/2/17</i>

C.3. FELLING

- Trees will not be felled over the harvest boundary or into the wildlife habitat strip unless authorised by a Forest Officer for safety reasons. If this occurs accidentally a Forest Officer will make the decision as to whether the tree will be removed or left in place.
- A Forest Officer will discuss seed requirements with the harvesting contractor. If the specified seed crops are found, the contractor will report this to the Forest Officer as soon as possible.
- Forestry Tasmania staff may need to mark seed trees or sections of coupes to be retained to allow seed crops to mature. These trees will be marked with a spray painted S and/or red and white plastic marking tape. If felling of marked seed trees is required for safety reasons, felling must not occur without prior consultation with and consent of the Forest Officer monitoring the operation.

C.4. STREAMSIDE MANAGEMENT

- There are no streams identified within the harvest boundary.
- The WHS boundary will be defined by applying a 50m offset from the Class 2 Stream to the west of the coupe. (Boundary to be marked in BLUE tape by Forestry Tasmania).
- If any unmapped watercourse (that does not have specific management prescriptions within the FPP) is encountered, operations are to cease within its vicinity until advice of a Forest Practices Officer has been received.

C.5. RESTORATION

- All restoration activity will be carried out progressively as sections are completed.

(a) LANDINGS

- Bark and waste wood should be returned to the forest. Where material remains on the landing it will be managed progressively as follows:
 - Bark and waste wood heaps will be located at least 40m from a flammable boundary and clear of any retained trees.
 - Sites for heaping bark and waste wood will be cleared to mineral earth.
 - Waste wood greater than 200mm diameter will be stacked separately from bark and smaller wood. Light limb wood may be included in either bark or waste wood heaps.
 - Bark will be stacked on a raft of limb wood or spars generally less than 200mm diameter.
 - The end of the raft must be visible on all sides of the bark heaps when stacking is completed.
 - The landing pad will be picked up and aerated before stacking on the bark heap. If any bark is contaminated with mud, then this material will be stacked last.
 - Bark heaps will not contain waste wood greater than 200mm diameter or significant quantities of mud.
 - Bark and waste wood heaps will be separated from adjacent flammable material by a 3m firebreak cleared to mineral earth.
- Unless natural drainage directs water away, drains will be constructed around conventional landings to direct water into the surrounding vegetation or fuels, or where appropriate, into table drains.

(b) SNIG TRACKS

- Snig track restoration will be carried out progressively in accordance with the FPC for low erodibility soils.
- Matting and cording generally greater than 100mm diameter will be lifted from snig tracks and scattered over the surrounding area to facilitate natural drainage and reforestation treatment.
- Snig tracks suitable for future game control will be nominated by a Forest Officer. These tracks will be restored by the harvesting contractor with cross drains that allows the tracks to be easily upgraded for 4x4 bikes or similar. The Forest Officer will ensure that a record (date of approval and map location of the tracks) is added to the original FPP and the FT operational file. These tracks will be drained as per firebreaks in accordance with page 88 of the current FPC.

(c) ROADING

- Drainage systems including table drains, culverts and trafficable grips will be kept functional at all times during the operation and will be left clear and functioning at the completion of the operation.

(d) VACATING THE COUPE

- The contractor will inform Forestry Tasmania when restoration works are complete to enable a final inspection to be carried out, prior to removing all machinery from the harvest area.

Initials of parties to the Plan	Landowner and Applicant:	<i>DW</i>	FPO:	<i>AG</i>
	Date:	<i>17/2/17</i>	Date:	<i>17/2/17</i>

D. CONSERVATION OF NATURAL AND CULTURAL VALUES

Prescriptions to manage flora, fauna, geomorphic, cultural heritage, landscape and soil and water values

D.1. FLORA

- No prescriptions apply.

D.2. FAUNA

- **Spotted tailed Quoll and Tasmanian Devil**
 - If a suspected den is found, operations must cease within 50 m of the suspected den site and advice sought from the Forest Practices Authority prior to operations continuing closer to the suspected den site.
- **Wedge Tailed Eagle/ White bellied Sea Eagle**
 - If a nest is discovered during the management constraint period (July to January inclusive), cease all forestry activity within 500 m of the nest, or within 1 km if in line of sight of the nest.
 - If a nest is discovered outside the management constraint period (February to June inclusive), cease all forestry activities within 500 m of the nest.
 - The management constraint period may be extended to include the month of February during a late breeding season at the instruction of the Forest Practices Authority.
- **Wildlife Habitat Clump (WHC)**
 - One wildlife habitat clump is designated within the area covered by this FPP. The approximate size and location of the wildlife habitat clump is shown as a constraint (WHC) on the attached FPP Map. This clump will be excluded from the harvest area and marked in the field with blue tape along edges adjacent to harvest boundary by Forestry Tasmania.
 - Trees will not be felled into or out of the wildlife habitat clumps unless authorised by a Forest Practices Officer for safety reasons. If this occurs accidentally a Forest Practice Officer will make a decision as to whether the tree will be removed or left in place.
 - Machinery will not enter the retained wildlife habitat clump.
- **Wildlife Habitat Strip (WHS)**
 - Burning will be conducted under Forestry Tasmania prescribed conditions to minimise the risk and damage of fire entering the adjacent WHS.
 - Trees will not be felled over the harvest boundary or into any WHS unless authorised by a Forest Officer for safety reasons. If this occurs accidentally a Forest Officer will make the decision as to whether the tree will be removed or left in place.

D.3. EARTH SCIENCES

- No prescriptions apply.

D.4. CULTURAL HERITAGE

- The contractor will notify the Forest Officer responsible for monitoring this operation, in the event that any new site is located during the course of the operation.
- Any site found during the operation will be excluded from the operation until advice is obtained from the Forest Practices Authority.

D.5. LANDSCAPE

- No prescriptions apply.

Initials of parties to the Plan	Landowner and Applicant:	DW	FPO:	BJ
	Date:	17/2/17	Date:	17/2/17

E. ESTABLISHING AND MAINTAINING FORESTS

Refer also to Part D. Conservation of Natural and Cultural Values

E.1. ESTABLISHMENT

- Forestry Tasmania is responsible for reforestation under this Forest Practices Plan.
- The coupe will be regenerated according to the Forestry Tasmania Standard Operating Procedure for Native Forest Establishment and Stand Maintenance.
- If required a mineral earth firebreak may be constructed around the harvest boundary.
- Mechanical preparation of fuels may occur within the harvest area to ensure burn and regeneration objectives are met.
- The contractor will inform Forestry Tasmania when restoration works are complete to enable a final inspection to be carried out, prior to removing all machinery from the operational area.
- Any burn to be carried out following completion of harvesting will be conducted in accordance with Forestry Tasmania's high intensity burn manual. The required burn plan for this area will consider the development of a seed crop, the amount and distribution of existing advance growth and the balance between reducing fuels and protecting this advance growth.
- The seed source for the regeneration of this coupe will be artificial sowing.
- Species proportion for the planned area is *E. delegatensis* – 42% and *E. regnans* – 58%
- The coupe will be aurally sown with eucalypt species in approximately the same proportion that existed at the time of the harvesting operation. A minimum of 10% of each eucalypt species present on the coupe pre harvest should be collected from the coupe or surrounding coupes. The balance should be collected from Seed Zone M43.

E.2. RESTORATION

(a) ROADING

- Drainage systems including table drains, culverts and trafficable grips will be kept functional at all times during the operation and will be left clear and functioning at the completion of the operation.
- If required, the road surface will be restored at the end of the operation to allow unhindered drainage.

(b) FIRE BREAKS

- Fire breaks constructed under this FPP will be gripped in accordance with the FPC for **low** erodibility soils.
- If tracks are required to be constructed during 'mop up' procedures following burning, rehabilitation will be carried out in accordance with FPC requirements for **low** erodibility soils.

(c) VACATING THE COUPE

- The contractor will inform Forestry Tasmania when restoration works are complete to enable a final inspection to be carried out, prior to removing all machinery from the harvest area.

E.3. PROTECTION OF GROWING STOCK

- Insect, frost damage and weed competition will be monitored and appropriate action taken where necessary.
- The area covered by this Forest Practices Plan is not covered by a Fire Management Plan. Measures to be taken to provide protection of the new forest from fire are contained in Forestry Tasmania's Southern Region Fire Action Plan.
- The area will be monitored for browsing and action taken as required by the landowner.
- Browsing Transects will be established to monitor germination or browsing losses.
- Browsing control may be carried out if monitoring indicates high risk and unacceptable levels of damage. Procedures will be in accordance with the Mammal Browsing Control Plan and guidelines contained in Forestry Tasmania's "Field Guide for the Management of Browsing Mammal in Tasmanian Forest and Farmland". Method(s) used or adopted may be lethal or non-lethal depending on suspected or indicated levels of damage.

E.4. ASSESSMENT FOR REFORESTATION

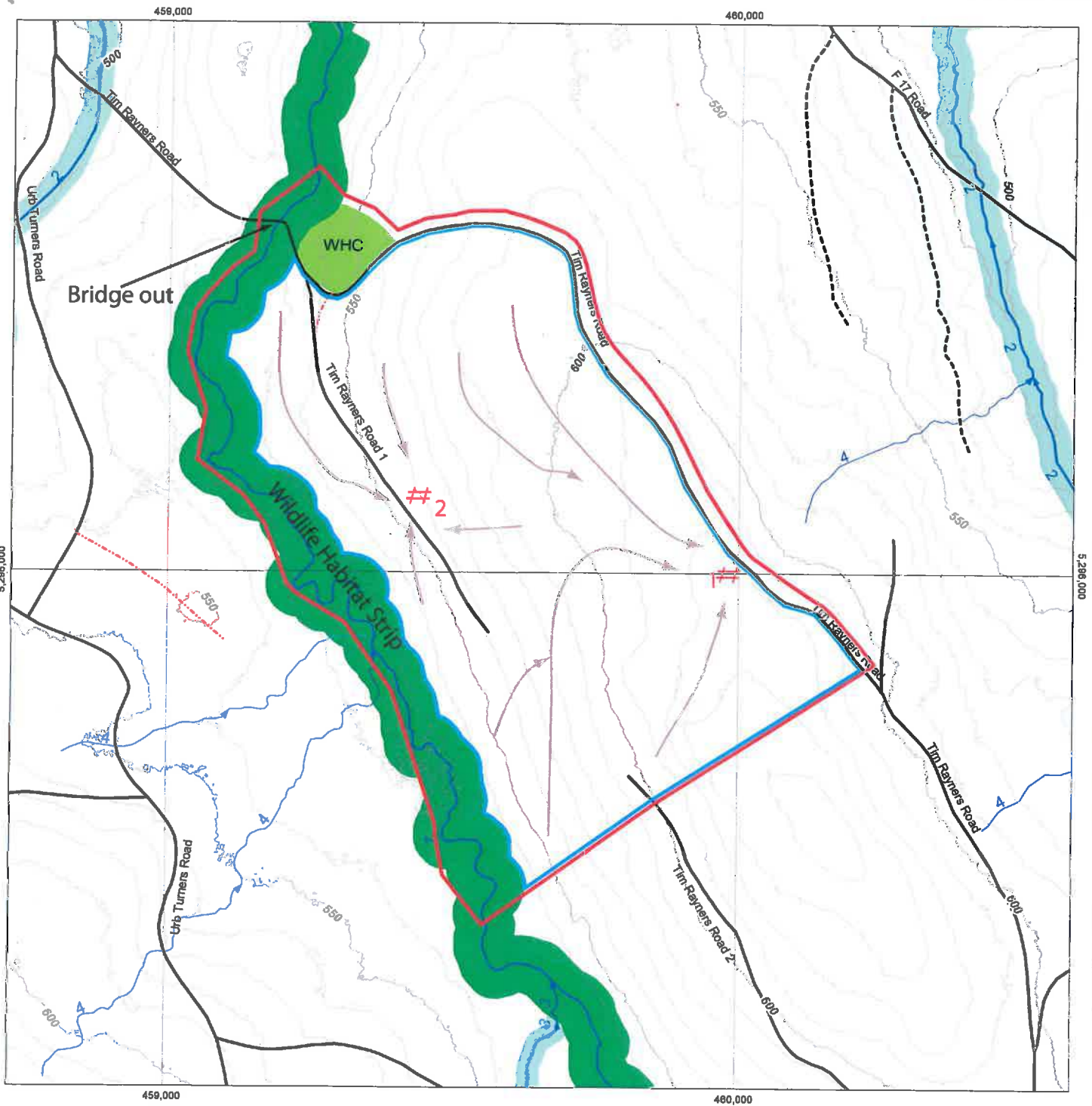
- A regeneration survey will be conducted within two years of the completion of the regeneration operations.
- Stocking will at least be the minimum specified in Technical Bulletin 6 Regeneration Surveys and Stocking Standards.

Coupe: RP004A

FPO: ALH0006

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Initials of parties to the Plan	Landowner and Applicant:	DW	FPO:	AW
	Date:	17/2/17	Date:	17/2/17



Scale 1:10,000

Mapsheet: WYLDs 4429

Harvest Area 63.2 hectares

A4P



LEGEND

Map Centre Coordinates: 459658 mE, 5296029 mN

Date: Wednesday, 15 February 2017

FPP boundary	Located or marked out road	Contractor boundary	Formal reserves	Private land
Harvest boundary	Provisional mapped road	Landing	Future Potential Production Forest	Constraint
Classed Stream	Walking Tracks	Crossing	Informal reserves on PTPZ	Hazard
Unclassed Stream	Hydro/Comms	Bridge	Informal reserves on other tenures	Water
Road class 1-3	Contours	Cable setting	Streamside reserves	Conditional areas
Road class 4	Snig direction	Special point feature		



Forest Practices Officer (Planning)

Forest Practices Plan ALH0006 certified by:

Name:	[REDACTED]		
Signature:	[REDACTED]	Date:	17/2/17
Pursuant to a delegation from the Forest Practices Authority under section 43 of the Forest Practices Act 1985.			

Acknowledgment of persons/organisations in relation to Forest Practices Plan Number ALH0006**Landowners Consent**

I am the owner of the land or the authorised agent of the owner of the land referred to in the attached Forest Practices Plan Number ALH0006 and have given my approval for the plan to be submitted to the Forest Practices Authority for certification under section 19 of the *Forest Practices Act 1985*. I understand that, under section 25C of the *Private Forests Act 1994*, if I am a private landowner, I may be required to pay a levy to Private Forests Tasmania based on the net area of forest operations under the plan.

Name	[REDACTED]	Company or other entity	for Forestry Tasmania
Address	79 Melville Street, Hobart	Telephone	[REDACTED]
Signature	[REDACTED]	Date	17/2/17

Acknowledgment of Applicant

I submit the attached Forest Practices Plan Number. ALH0006 to the Forest Practices Authority and apply for its certification. I acknowledge that I understand the provisions of the plan, and that I am responsible for ensuring that the plan is complied with unless otherwise stated in the plan. I understand that I am responsible for the lodgment of interim compliance reports with the Forest Practices Authority within 30 days of the completion of each discrete operational phase* under the plan; and further, for the lodgment of a final compliance report with the Forest Practices Authority within 30 days of the expiry of the plan. I understand that under sections 18(4A) and 18(4B) of the *Forest Practices Act 1985*, I must pay a prescribed application fee at a time, and in a manner, determined by the Authority.

Name	[REDACTED]	Company or other entity	for Forestry Tasmania
Address	79 Melville Street, Hobart	Telephone	[REDACTED]
Signature	[REDACTED]	Date	17/2/17

***Discrete operational phases under this plan include (enter yes or no against each forest practice proposed):**

YES	Road Construction	NO	Tree Clearing
YES	Timber Harvesting	NO	Quarry Operation
YES	Forest establishment (including reforestation)	NO	Tree Fern Harvesting
YES	Assessment of reforestation		

Initials of parties to the Plan	Landowner and Applicant:	OW	FPO:	[Signature]
	Date:	17/2/17	Date:	17/2/17