

Forest Practices Act 1985

Forest Practices Plan

FPP No.: SIM0002-01

Certification Number: 2017-0064

Local File ID: 2075

Update Type: Initial

Last edit by: [Redacted]

Created on: 01/12/2016

Updated on: 14/02/2017

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:	RP005D	Location:	Repulse	PTR Number:	-
Tenure:	State Forest	IBRA 4 region:	Central Highlands	UPI or PID Numbers:	-
District:	Derwent	Municipality:	Central Highlands	Landowners:	Forestry Tasmania
Map Sheet:	OUSE : 4629	Grid reference:	460969mE, 5296490mN	Principal Processors:	Forestry Tasmania
Applicant:	Forestry Tasmania, 79 Melville Street Hobart, Hobart Tasmania 7000, 62358333				

Parent Rock 1:	Jurassic Diorite (JDL)	Soil Description 1:	Red to Brown clayey (RBL)	Stoniness 1:	L
2:		2:		2:	

Erodibility Class 1: Low (L) 2: [] Majority Slope: 7 deg. Maximum Altitude: 570 m

Within town water catchment:	No	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:	35.0 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: 10/02/2017 Plan lifetime: 01/03/2017 - 31/08/2021 Date notice of intent sent: 27/07/2016

Discrete Operational Phase	Estimated Start Date	Estimated End Date	Details
Timber Harvesting	01/03/2017	31/08/2019	Minimum Class of Equipment to be used Dry: C1 Wet: C1 Cable: NA
Reforestation	01/09/2019	31/08/2020	
Reforestation Assessment	01/09/2020	31/08/2021	
Tree Fern Harvesting	01/03/2017	31/08/2019	Estimated Tree Ferns Available: 1000 Harvester: <not defined>

Current RFA Forest Community and/or Land Use	Prescription	Ha
E. regnans forest (R)	Clearfall followed by Sowing of Native Seed (CF-NF)	78.50
Net Operational Area: 78.50	Total Area to be Reforested: 78.50	Total Area to be Harvested: 78.50
		Total Area of Operation: 78.50

FOREST PRACTICES PLAN

A. GENERAL

- Forest Practices Plan (FPP) Objective: To clearfall and regenerate this coupe to maintain and ensure and enhance future wood production and quality. Any fuel reduction management will be consistent with this primary objective.
- Forest Practices shall be carried out in accordance with the principles and approaches specified in the Forest Practices Code (Forest Practices Board 2015). 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
 - Contractor Photo Guide to Natural and Cultural Values
- As a measure to reduce the spread of weeds and or pathogens on Permanent Timber Production Zone Land, all Rooding, 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.

B. BUILDING ACCESS TO THE FOREST (ROADING)

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

B.1. LOCATION

- Existing road network to be used.

C. HARVESTING OF THE TIMBER

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

- Harvest prescription is clearfell.
- The harvesting boundary is marked in Blue tape by (Forestry Tasmania) and shown on attached FPP map.
- The minimum standard of equipment to be used in this operation is FPC Class C1

C.1. LANDINGS

- Four (4) landings (numbered 1 to 4) to be employed 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.

Initials of parties to the Plan	Landowner and Applicant	DW	FPO	BSM rpf
	Date	10/2/17	Date	10/2/17

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.

C.3. FELLING

- Trees will not be felled over the harvest boundary or into any wildlife habitat clumps, streamside reserves or special management zones 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.
- All hazardous trees for a distance of one standing tree length from the processing area of Landing 1 and landing 4 may be felled.
- Debris and tree heads will be pulled inside the harvest area.
- 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


- One class 2 stream adjoining the western boundary will be marked a minimum of 30m from the edge of the stream with blue flagging tape prior to the commencement of harvesting.
- 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.
- Two drainage depressions are identified on the FPP map as class 5 streams and will be treated in accordance with the FPC.

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.

Initials of parties to the Plan	Landowner and Applicant	OW	FPO	
	Date	10/2/17	Date	10/2/17

(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 FPC 2015.

(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.

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 special management 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 – General

- The FPO must ensure that the contractors can recognise an eagles nest prior to the start of an operation. Contractors must be instructed to notify the Forest practices Authority via the Forest Practices Officer in charge of the operation if any nests are found during the operation, and the following seasonally-based guidelines applied.
 - 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 Clumps

- Two (2) wildlife habitat clumps are required within the area covered by this FPP. The approximate size and location of the wildlife habitat clumps is shown as a constraint (WHC) on the attached FPP Map. These clumps will be excluded from the harvest area and marked in the field with Blue tape by Forestry Tasmania.
- The areas selected for retention will contain (if possible) an adequate mix and sample of suitable habitat trees. As the general area is predominantly regrowth forest the possibility of the two WHC's containing mature trees is low however they will contain a range of other trees and shrubs of various ages. They should also be located where practical to capture areas of refuge including fallen logs, dense understorey and rocky areas to cater for the potential habitat requirements for the Eastern Quoll, Spotted Tailed Quoll and the Tasmanian Devil.
- 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 clumps.

Initials of parties to the Plan	Landowner and Applicant	OW	FPO	
	Date	10/2/17	Date	10/2/17

D.3. EARTH SCIENCES

- No special management prescriptions apply.

D.4. CULTURAL HERITAGE

- The Forest Officer responsible for monitoring this operation will be contacted in the event that any cultural sites are identified during the conduct of operations in accordance with this FPP.
- Operations will cease immediately and any cultural site located during the operation will be excluded from the operation area until the advice of the Forest Practices Authority Manager for Cultural Heritage is obtained.

D.5. LANDSCAPE

- No special management prescriptions apply.

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 coupe will be aerially 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.
- The seed source for the regeneration of this coupe will be artificial sowing at the following ratio:

Species	%
Regnans	100

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.

Initials of parties to the Plan	Landowner and Applicant	<i>OW</i>	FPO	<i>[Signature]</i>
	Date	<i>10/2/17</i>	Date	<i>10/2/17</i>

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 Forest Operation Plan for Mammal Browsing Control and guidelines contained in Forestry Tasmania's Technical Bulletin 11 Monitoring and Protecting Eucalypt Regeneration. 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 as soon as indicator plots show a viable number of germinants, within two years of the completion of the operation.
- Stocking will at least be the minimum specified in Technical Bulletin 6 Regeneration Surveys and Stocking Standards.
- Survival of planted areas will be monitored and appropriate action taken if stocking falls below an acceptable level.

MAP TO SHOW (separate maps may be required for different operations, such as harvesting and reforestation)

1. Contours, scale and north direction.
2. Boundary of FPP
3. Property boundaries
4. Operational boundaries :
 - a. Harvesting boundaries
 - b. Reforestation treatments
 - c. Reserves
 - d. Special treatment areas.
5. Sites of natural and cultural significance.
6. FPP Number.
7. Streamside management including marked boundaries of streamside reserves and class.
8. Bridges and fords.
9. Stream crossings
10. Snig track direction
11. Landings
12. Existing and proposed roads and proposed major upgrading including borrow pits.
13. Section boundaries including wet/dry logging areas, cable/conventional logging, reforestation treatments such as burning, sowing, cultivating, planting and areas to be reserved.
14. Cultivation and windrow direction.
15. Firebreaks
16. Additional information as applicable.

Scale: 1:10 000 preferred

DISTRIBUTION

Copies of this FPP will be distributed to the following organisations:

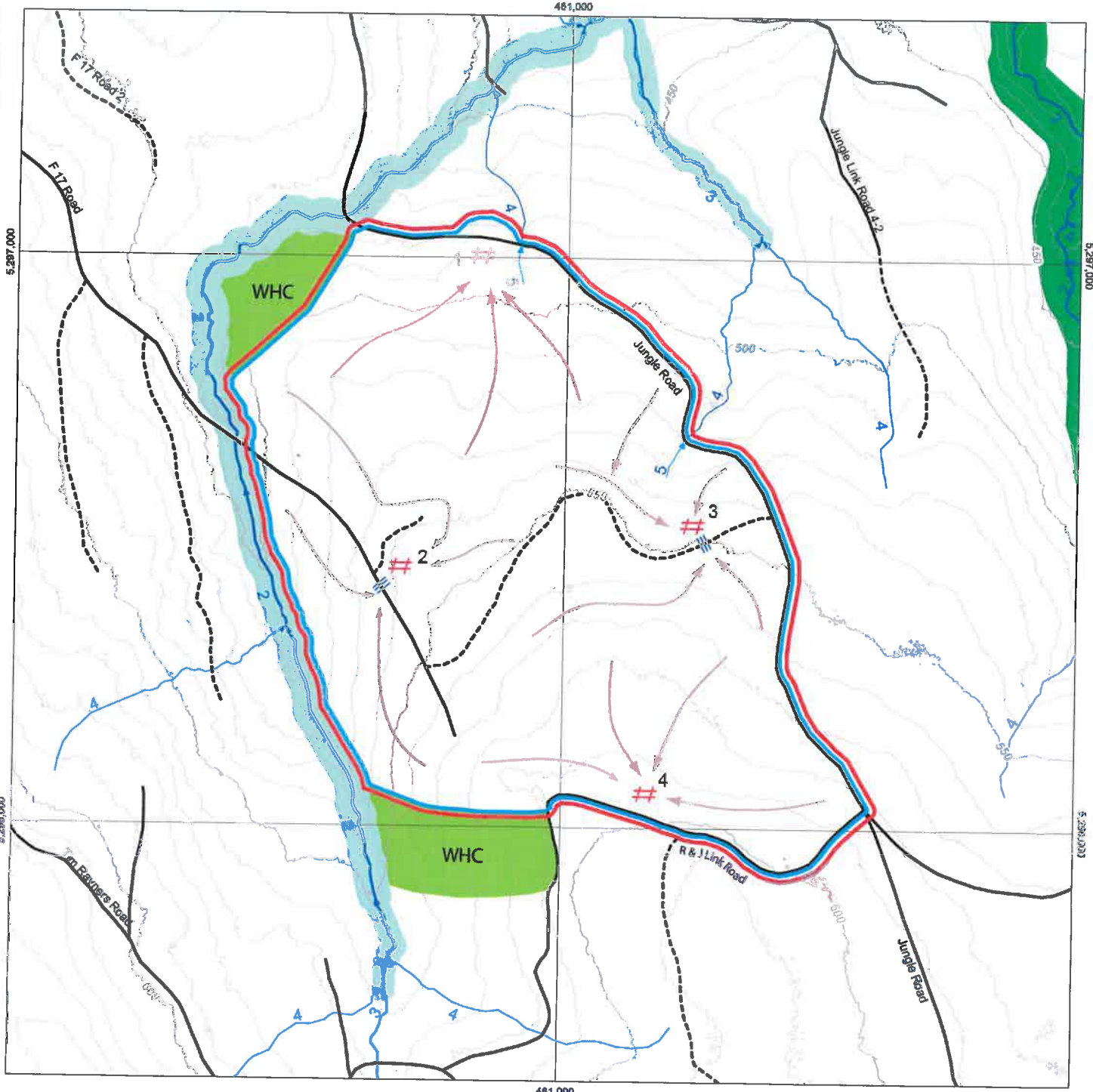
FPP Master File	Forestry Tasmania – Southern Region	
Coupe File	Forestry Tasmania – Southern Region	
Contractor	Roading	N/A
	Harvesting	To be confirmed
	Reforestation	Forestry Tasmania – Southern Region
Forest Officer	Forestry Tasmania – Southern Region	

Coupe: RP005D

FPP No: SIM0002

Page 6 of 9

Initials of parties to the Plan	Landowner and Applicant	<i>OW</i>	FPO	<i>[Signature]</i>
	Date	<i>10/2/17</i>	Date	<i>10/2/17</i>



Scale 1:10,000

Mapsheet: OUSE 4629

Harvest Area 78.5 hectares

A4P



LEGEND

Map Centre Coordinates: 460969 mE, 5296490 mN

Date: Wednesday, 9 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	
Road class 4	Snig direction	Special point feature	Conditional areas	



NOTE: Map co-ordinates are based on GDA84. Topographic map data is supplied by DPWE.

Prepared by: [Redacted]

(c) Copyright - Forestry Tasmania.

Forest Practices Officer (Planning)

Forest Practices Plan SIM0002 certified by:

Name:	[REDACTED]		
Signature:	[REDACTED]	Date:	10/2/17
Pursuant to a delegation from the Forest Practices Authority under section 43 of the Forest Practices Act 1985.			

Initials of parties to the Plan	Landowner and Applicant	AW	FPO	[Signature]
	Date	10/2/17	Date	10/2/17

Acknowledgment of persons/organisations in relation to Forest Practices Plan Number SIM0002

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 SIM0002 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 Tasmania 7000	Telephone	[REDACTED]
Signature	[REDACTED]	Date	10/2/17

Acknowledgment of Applicant

I submit the attached Forest Practices Plan Number SIM0002 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 lodgement 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 lodgement 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 Tasmania 7000	Telephone	[REDACTED]
Signature	[REDACTED]	Date	10/2/17

***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)	YES	Tree Fern Harvesting
YES	Assessment of reforestation		

Initials of parties to the Plan	Landowner and Applicant	OW	FPO	[Signature]
	Date	10/2/17	Date	10/2/17