

Forest Practices Act 1985

Forest Practices Plan

FPP No.: SCM0052-01

Certification Number: 2016-0458

Local File ID: -

Update Type: Initial

Last edit by: [Redacted]

Created on: 14/08/2016

Updated on: 17/11/2016

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:	AR073E	Location:	Bracken Ridge	PTR Number:	-
Tenure:	Permanent Timber Production Zone Land	IBRA 4 region:	D'Entrecasteaux	UPI or PID Numbers:	-
District:	South	Municipality:	Huon Valley	Landowners:	Forestry Tasmania
Map Sheet:	GEEVESTON : 4822	Grid reference:	487300mE, 5229200mN	Principal Processors:	[Redacted]
Applicant:	Forestry Tasmania, 79 Melville St, Hobart Tasmania 7000, 62358333				

Parent Rock	1: Jurassic Dolerite (JDL)	Soil Description	1: Red to Brown clayey (RBL)	Stoniness	1: L
	2: Triassic Sandstone (TSS)		2: Fine sandy over clayey (FSC)		2: L

Erodibility Class 1: Moderate (M) 2: Moderate (M) Majority Slope: 17 deg. Maximum Altitude: 330 m

Within town water catchment:	Yes	Within a landscape zone in a Municipal Planning Scheme:	No
Water Intake:	111 - Huon River - Huonville	Known Domestic Water Supply Intake within 2km:	No
Distance to Intake:	31.0 km	Net Area of Crown Land Reserve:	<not defined>

Public Safety Risk Assessment: Not Required

Emergency meeting Point: 343 - GLEN HUON - NORTHERN ENTRANCE TO THE SOUTHWOOD SITE

Plan certified by: SCM - Martini S J C Date certified: 17/11/2016 Plan lifetime: 18/11/2016 - 31/08/2021 Date notice of intent sent: 28/05/2016

Discrete Operational Phase	Estimated Start Date	Estimated End Date	Details
Roading	18/11/2016	31/08/2017	Main Road Outlet: No Road lengths (km): 1: <not defined> 2: <not defined> 3: 0.58 4: <not defined>
Timber Harvesting	18/11/2016	31/08/2019	Minimum Class of Equipment to be used Dry: C1 Wet: C1 Cable: C4
Reforestation	16/04/2019	31/08/2019	
Reforestation Assessment	01/10/2020	31/08/2021	

Current RFA Forest Community and/or Land Use	Prescription	Ha
Tall E. obliqua forest (OT)	Clearfall followed by Sowing of Native Seed (CF-NF)	34.80
Tall E. obliqua forest (OT)	Road Construction (RC)	0.84
E. regnans forest (R)	Clearfall followed by Sowing of Native Seed (CF-NF)	12.50
E. regnans forest (R)	Thinning (THN)	4.80
Net Operational Area:	52.74	Total Area to be Reforested: 47.10
Total Area to be Harvested:	52.74	Total Area of Operation: 52.74

FOREST PRACTICES PLAN

A. GENERAL

- Forest Practices Plan (FPP) Objective: Roding will be constructed in AR073E to allow it to be:
 - **Section 1-** Clear-felled with cable and conventional machinery. The coupe section will be regenerated to native forest following a high intensity burn.
 - **Section 2 –** Production thinning with conventional machinery. Objective is to retain the majority of larger diameter E. globulus trees (Blue gum), whilst maintain a basal area of 16m² at an even spacing. Retained trees will provide growing stock.
- All operations will be conducted to manage for Moderate erodibility soils.
- Forest Practices shall be carried out in accordance with the principles and approaches specified in the 2015 Forest Practices Code (FPC 2015). All Forest Practices Code 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
 - a copy of the 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 Roding, 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 Wash-down Guidelines for weed and disease control”.
- Management of fuels, oils, rubbish and emissions will be carried out 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

- Access to the coupe and new road is via Bracken Ridge Link 4 and Power Line Access.

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.

SPECIFICATIONS

- The construction of approximately 0.580 kilometres of Forest Practice Code Class 3 Road.
- Culvert spacing will meet the requirements of the FPC 2015 for Moderate erodibility soils. The minimum culvert size will be 375 mm.

CLEARING AND FORMATION (inc FELLING, SNIGGING and LOGGING EQUIPMENT)

- All trees should be felled into the roadline clearing. Roadline clearing will be kept to a minimum at all times.
- Unless stated otherwise the 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 approved by a Forest Officer prior to removal.

- Timber will be landed along the proposed roadline, employing a continuous landing system, with stockpiles contained wholly within the maximum clearing width and / or landing sites employed identified under Part C.1 of this FPP and approximately located as per the attached FPP Map.
- Snig tracks will not be constructed outside the maximum clearing width unless approved by a Forest Practices Officer.

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Initials of parties to the Plan	Landowner and Applicant: 	FPO: 
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- 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 harvesting contractor 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.
- The minimum standard of equipment to be used in this operation is FPC 2015 Class C1 equipment.

STREAMSIDE MANAGEMENT

- 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.

RESTORATION

- Any landing constructed will be fully restored if not planned for future use or temporarily drained if planned for future use.
- The roadline formation will be gripped to the standard specified in the FPC 2015 for snig tracks on Moderate 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:
 - Section 1 is clearfell
 - Section 2 is thinning.
- 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 2015 Class C1 equipment.
- The coupe is to be divided into two (2) sections. The order of harvesting will be decided to meet fire management objectives of minimising the impact on surrounding values. Prior to harvest commencing consultation with Forestry Tasmania's area Fire management officer will be undertaken.

LANDINGS

- Four (4) landings (numbered 1 to 4) to be employed with three (3) cable settings with approximate locations shown on the attached FPP map.

SNIG TRACKS and YARDING

- Yarding and snigging will generally follow the directions indicated on the attached FPP map.

FELLING

Sections 1 and 2.

- Trees will not be felled over the harvest boundary 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.

Section 2

- The aim will be to thin this section to a retained basal area not less than 16m². A progressive harvest assessment will be conducted to ensure that this is maintained. The required stocking is to be retained at an even distribution.
- Priority should be given to retaining larger diameter E. globulus, whilst still maintaining the current species mix.
- Any trees that have been damaged by past or current harvesting activity should be removed.
- Damage to retained stems is targeted to be 0% with a tolerance of 10%.

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Initials of parties to the Plan	Landowner and Applicant: <i>CEW</i>	FPO: <i>[Signature]</i>
	Date: <i>17/11/16</i>	Date: <i>27/11/16</i>

STREAMSIDE MANAGEMENT

- A 20 metre streamside reserve will be maintained on one (1) Class 3 stream. This area has been excluded from harvest and marked with blue tape.
- A 10 metre streamside reserve will be maintained on two (2) Class 4 streams, one of which is in conjunction with one (1) wildlife habitat clump. The second adjoins Section 2. These streams has been excluded from harvest and marked with blue tape.
- A 10 metre machinery exclusion zone will be maintained on either side of two (2) of the Class 4 streams with designated crossings shown on FPP map.
- 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.

RESTORATION

- All restoration activity will be carried out progressively as sections are completed
- 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 allow the tracks to be easily upgraded for 4x4 bikes or similar. These tracks will be drained as per firebreaks (refer section E1.6 Fire Breaks and Access Tracks FPC 2015).
- 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

FLORA

- No specific prescriptions.

FAUNA

Wedge Tailed Eagle and White Bellied Sea-eagle

The Forest Officer in charge of the operation must ensure that contractors can recognise an eagle's nest prior to the start of an operation.

Contractors must be instructed to notify the Forest Practices Authority via the Forest Officer in charge of the operation if any nests are found during the operation, and the following seasonally-based guidelines should be applied;

- o 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.
- o 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.

Swift parrot

- Report immediately to the Forest Officer in charge of the operation any evidence of Swift Parrot nest site and/or Swift Parrots being present (heard or seen) inside or within 500 m of the operation during September to February.

Tasmanian devil, Eastern quoll, Spotted-tailed quoll

- If a suspected den site is located within the operational area during operations, operations should cease within 50 m of the site and notify the Forest Officer in charge of the operation as soon as practical. Den sites may be associated with dense understorey, rocky outcrops, rock shelters and caves, rock piles, a small burrow, hollow logs and large piles of woody debris.

Masked owl

- If a suspected nest or roost site is located within the operational area during operations, operations should cease within 100 m of the site and notify the Forest Officer in charge of the operation as soon as practical. Nests are usually located in large trees with large hollows/spouts, and may have evidence of use (e.g. pellets of regurgitated skin and bones; feathers; droppings) at the base of the tree (within the canopy drip-zone). Roost sites can be associated with similar habitat features

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Initials of parties to the Plan	Landowner and Applicant: <i>EW</i>	FPO: <i>[Signature]</i>
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but may also occur in understorey shrubs with dense canopies (e.g. native cherry, she oaks, banksia in dry forests) or rocky outcrops with overhangs, ledges and caves. Such sites may also show evidence of use.

Grey Goshawk

- If suspected nesting activity (e.g. displaying male birds) is observed or a nest is found, operations must cease within 100 m of the suspected nest site and notify the Forest Officer in charge of the operation as soon as practical. A specialist survey may be required to confirm the identity of the nest and determine the area of habitat surrounding the nest site that should be considered for long-term retention ('nesting location reserve').

Wildlife Habitat Clumps (WHC's)

- Four (4) wildlife habitat clumps as indicated on the attached FPP map.
- Trees will not be felled into or out of the wildlife habitat clumps unless authorised by a Forestry Tasmania Forest Officer for safety reasons. If this occurs accidentally a Forestry Tasmania Forest 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.

If new sites for threatened fauna (e.g. raptor nests, devil dens etc.) or flora are found during the implementation of a forest practices plan, the sites must be reported to the Forest Practices Authority as soon as practical.

EARTH SCIENCES

- No specific prescriptions required.

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.

LANDSCAPE

No specific prescriptions

E. ESTABLISHING AND MAINTAINING FORESTS

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

ESTABLISHMENT

Section 1.

- 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 aggregated retention burn manual.
- Species proportion for the planned area is *E. obliqua* 65%, *E. regnans* 25% and *E. globulus* 10%.
- 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 L19.

Section 2.

- Retained trees will provide growing stock.

PROTECTION OF GROWING STOCK

- Insect, frost damage and weed competition will be monitored and appropriate action taken where necessary.

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- 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.

ASSESSMENT FOR REFORESTATION

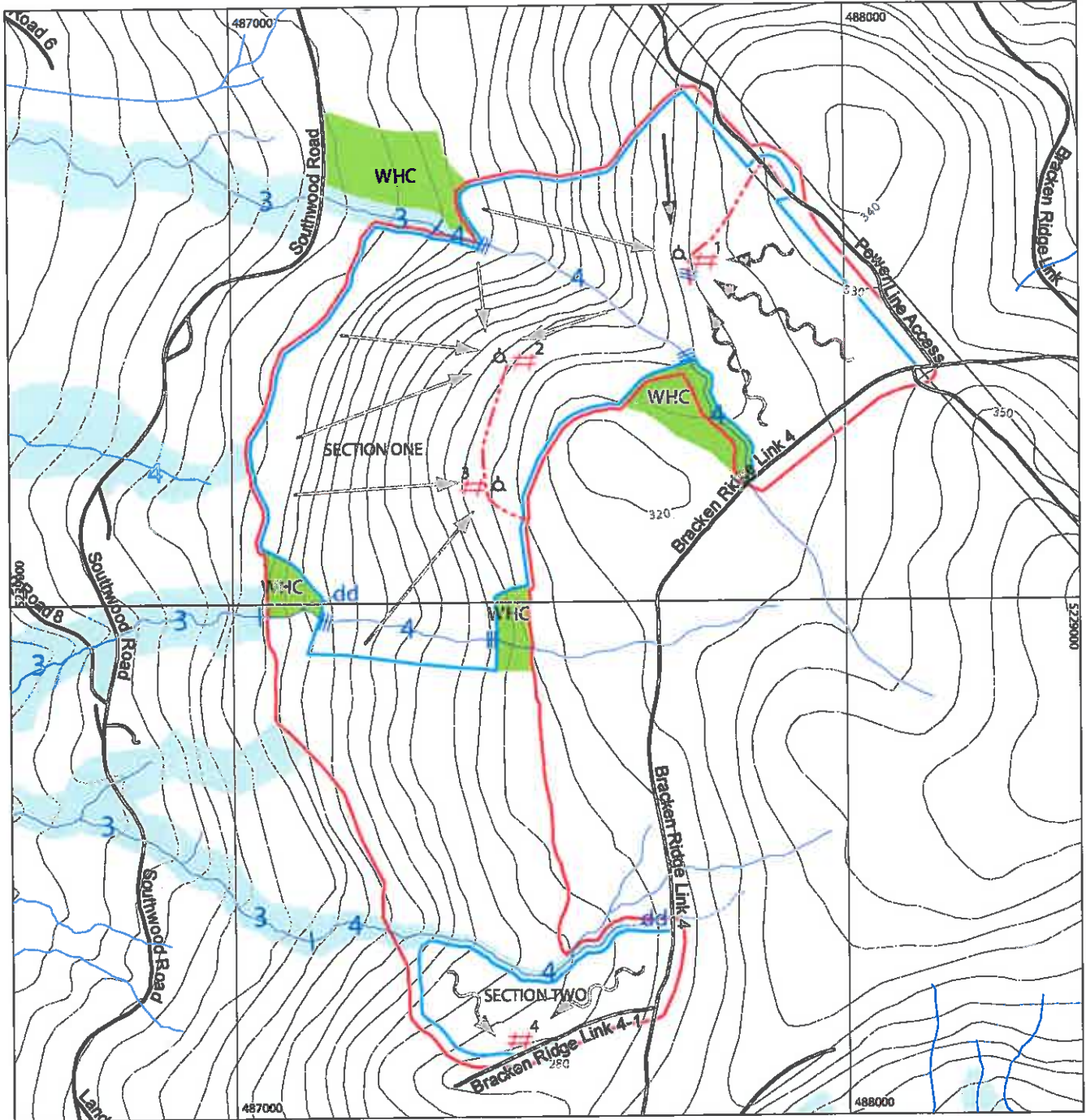
Sections 1.

- 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.

Section 2.

- A multi-aged survey will be conducted within one year of the completion of the operation, unless the harvest area has already passed a progressive harvest assessment.

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	Date:	<i>17/11/16</i>	Date:	<i>17/11/16</i>



Scale 1:10,000

ORIGINAL

Harvest Area 52.74 hectares

Mapsheet: GEEVESTON 4822

A4P



LEGEND

Map Centre Coordinates: 487300 mE, 5229200 mN

Date: 14-Nov-16

FPP boundary	Located or marked out road	Contractor boundary	Formal reserves	Private land
Harvest boundary	Provisional mapped road	Landing	Future Potential Production Forest	Constraint WHC= Wildlife Habitat Clump
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	Drainage Depression
Road class 4	Snig direction - conventional	Special point feature	Conditional areas	
Yarding Direction				



NOTE: Map co-ordinates are based on GDA94 Topographic map data is supplied by DPIWE

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17/11/16

17/11/16

Forest Practices Officer (Planning)

Forest Practices Plan SCM0052 certified by:

Name:	[Redacted]		
Signature:	[Redacted]	Date:	17/11/16

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 SCM0052

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 SCM0052 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 nett area of forest operations under the plan.

Name	[Redacted]	Company or other entity	for Forestry Tasmania
Address	79 Melville Street, Hobart Tasmania 7000	Telephone	62358333
Signature	[Redacted]	Date	17/11/16

Acknowledgment of Applicant

I submit the attached Forest Practices Plan Number. SCM0052 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	62358333
Signature	[Redacted]	Date	17/11/16

***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: [Signature]	FPO: [Signature]
	Date: 17/11/16	Date: 17/11/16