

Forest Practices Act 1985**Forest Practices Plan****FPP No:**Certification No.: **PLAN TYPE: 1: Harvesting 2: Rooding 3:**

This Forest Practices Plan authorises forest practices and operations to which it refers on the land specified within the period specified within 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:	Pulp Mill Site	Location:	Bell Bay	PTR Present or Proposed:	NA
Tenure:	Private Property	IBRA Region:	Ben Lomond	PTR No(s):	
District:	Bass	Municipality:	George Town	UPI No(s):	3117, 4577
Map Sheet:	Bell Bay	Grid Reference:	493332 544482	UPI No(s):	

Applicant:	Gunn's Limited	Address:	PO Box 985 Launceston	Ph:	63945555
Landowner:	Ownership under review	Address:		Ph:	
Principal Processor:	Gunn's Limited	Contractor:	To be determined		

Current RFA Forest Community and/or Land Use, Operation Prescriptions and Proposed Land Use Areas (ha)							
Forest Community	Presc	Ha	Presc	Ha	Presc	Ha	Total
Acacia dealbata forest	CF-CLR	4.5					4.5
Allocasuarina verticillata forest	CF-CLR	15.0					15
Coastal E amygdalina forest	CF-CLR	18.2					18.2
E.amygdalina forest on dolerite	CF-CLR	74.6					74.6
E. viminalis grassy forest/woodland	CF-CLR	4.7					4.7
Leptospermum species – Melaleuca squarossa swamp forest	CF-CLR	1.5					1.5
Non Forest	CF-CLR	6.7					6.7
Non forest heathland	CF-CLR	17.5					17.5
Non forest sedgeland	CF-CLR	0.9					0.9
Shrubby E.ovata – E.viminalis forest	CF-CLR	7.9					7.9
Net operational area (ha) = 152							
Total Area to be Reforested (ha)	0	Total Area to be Harvested (ha)	152	Total Area of Operation (ha)	152		

Parent Rock 1:	JDL	Soil Desc.1:	Clayey	Stoniness 1:	M
Parent Rock 2:	JDL	Soil Desc.2:	Sandy over Clay	Stoniness 2:	L
Erodibility Class 1:	Mod	2:	Mod-High	Majority Slope (deg)	15
				Maximum Altitude (m):	150

Site specific prescription(s) beyond those normally in the Forest Practices Code are included in this Forest Practices Plan for:

Flora: Fauna: Geomorphology: Soil/Water: Cultural Heritage: Landscape:

Minimum class of equipment to be used:	Ground Based Dry:	CI	Wet:	CI	Cable:	N/A
Length of road construction or upgrade:	Class of Road:	1:	2:	3:	2.3	4:
Expected Timber Vols	3,000	Sawlog (cu.m/t) :	30	Other Products:		
Total (cu.m/t) :		Pulpwood (cu.m/t):	2980	Volume:		

This FPP includes authority and prescriptions for harvesting manfern's and Dicksonia antarctica: x Not Applicable

Estimated number of manfern's to be harvested:

Is the operation within a town water catchment?	No	Water Intake Code No:	0	Distance to Intake (km):	
River:		Town:			
Within a landscape zone in a Municipal Planning?	N	New or major upgrade of existing outlet onto Municipal or Main Roads	Y		
Has local Government been consulted as required by FPC?	Y	Known domestic Water Supply Intake < 2km?	N		

Period to which plan applies:	From:		To:	
Estimated Completion Date:	Rooding:		Harvesting:	
Plan prepared by:	Owen Hoffmann			
Plan certified by:		Date Certified:		Date Notice of Intent sent:
Emergency Meeting Point:	41	Location:	Cnr East Tamar Hwy and Dalrymple road	

A. GENERAL

Forest practices shall be carried out in accordance with the principles and approaches specified in the Forest Practices Code. 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.

B. BUILDING ACCESS TO THE FOREST (ROADING)

(See also section D. Conservation of Natural and Cultural Values and section F. Management of Fuels, Oils, Rubbish and Emissions.)

Person or organisation assuming primary responsibility for management of forest practices under this section of the plan:- **Gunns Tamar**

General:

- Approximately 2.3 km of existing tracks will be upgraded or constructed to class 3 standard

Clearing and Formation:

- Clearing width including side drains should not exceed a total width of 20 m
- Any trees that are required to be fell or pushed for the roadline clearing are to be fell or pushed away from any streams or wet areas. If unavoidably fell into these areas then they are to be pulled clear before further processing.
- Any logging debris is to be heaped within the logged area and clear of any streams or drainage lines.
- Any timber salvaged from the roadline is to be stockpiled for later processing.
- Road Construction activities will cease if soils become saturated and will not resume until inspected by Gunns Roading supervisor.

Drainage:

- Clearing width will be minimised through any streamside reserves.
- There are two class 4 streams that will be crossed by the road upgrade.
- Stream crossings will be constructed so as to minimise disturbance to any stream banks & existing water channels and to minimise soil displacement into the stream.
- Drainage lines where present are to be left clear of any debris.
- Any cut batters required are to be steep with any ground cover present to be retained to the edge of the cut batter wherever practicable to reduce erosion effects.
- Culvert outlets to be rock armoured and fill batters protected where required to reduce erosion effects.

Initials of parties to the Plan: Landowner..... Applicant FPO.....
 Date..... Date..... Date.....

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Surfacing:

- Road surfacing activities are to avoid operating on the formation in wet conditions. If in any doubt as to the suitability of ground conditions, consult with the Gunns supervisor.

C. HARVESTING OR CLEARING OF TIMBER

(See also section D. Conservation of Natural and Cultural Values and section F. Management of Fuels, Oils, Rubbish and Emissions.)

Person or organisation assuming primary responsibility for management of forest practices under this section of the plan **Gunns Tamar**

General:

- The area to be harvested is to be converted for Infrastructure and all merchantable timber will be removed.

Landings:

- Landing sites will be generally located as indicated on the attached map.
- Landings may be moved or new landings constructed with the **PRIOR** approval of the Gunns Supervisor. Any moved or additional landings will be recorded on a map and filed with the original FPP.
- Landing sites are to be well drained and where possible constructed on slightly elevated ground.
- Landing debris will be placed in aerated heaps as per section C (3.4) of the *Forest Practices Code* (see also section D of this plan)
- All rubbish and waste oil will be removed on a weekly basis.
- Landings and logging debris should be kept as far as practicable from watercourses and at least 40m from the boundary of any stream.
- Landings will be closed progressively with no more than three (3) landings to be in use at any one time.

Snig tracks:

- General snigging direction is indicated on the attached map.
- Snig tracks should be located so that they can be effectively drained.
- No more than 3 main snig tracks should be in use at any one time.
- Major snig tracks will be temporary gripped prior to any extended shutdowns.
- It is the responsibility of the contractor to cease snigging when wet weather conditions apply as per *Section C (2)* of the *Forest Practices Code*.
- Snig Tracks will not follow any drainage lines.
- There are several crossing points located within the coupe. Should additional crossing points be required they will be approved in the field in advance by a Gunns Supervisor.

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- Crossing points are to be constructed at right angles to the stream flow wherever possible and damage to the stream banks minimised.

Felling prescriptions:

- The felling prescription for this coupe is clearfall. All merchantable timber is to be harvested.
- The coupe boundary is marked with **Blue Tape**. **Do not cross this line.**
- Trees that are outside the harvesting boundary may be fell for safety reasons. Any such trees will be marked in advance by a Gunns Supervisor Prior to falling.
- If trees are fell over the harvesting boundary, all heads and debris will be pulled back inside the harvest boundary.
- Logging slash within 20m of the boundary will not be pushed towards that boundary.

Streamside management and special water quality protection measures:

- There are seven class 4 streams and two class 3 streams within the harvest area.
- As the area is to be cleared for infrastructure development all merchantable timber will be harvested from within the streamside reserves on the class 4 streams.
- Harvesting and snigging machinery will not enter within 10 m of the stream bank of any stream.
- Crossing points have been identified on the attached map and any additional crossings will be approved in the field prior to construction by a Gunns Supervisor.

Streamside reserve and harvesting boundaries to be marked by:
 Person or organisation nominated **Gunns Tamar**
 How marked **Blue Tape**

Harvesting restoration

1. Landings

- Bark and large diameter (25-35cm) waste wood pieces will be separately heaped. The separate heaps will be at least 40m from a flammable coupe boundary.
- Bark heaps will be piled on a raft of light (<20cm diameter) limb wood and placed on a well-drained site previously cleared to mineral earth. If not part of a landing, the bark and waste wood heaps will be isolated from adjacent flammable material by a 3m firebreak cleared to mineral earth. Light limb wood may be included in either bark or waste wood heaps.
- Rubbish, metal, oil and other foreign material will not be included in either bark or wood waste heaps. Care will be taken not to include mud, rocks and soil in the bark heap. If the bark from the pad is contaminated with mud, then this material shall be the last to be stacked, on top of the heap.

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Date..... Date..... Date.....

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2. Snig tracks

- Snig Tracks will be gripped and backfilled progressively as harvesting progresses. Restoration work will be undertaken in accordance with the provisions outlined in *Section C (3.2)* of the *Forest Practices Code*.
- Where snig tracks are rutted to a depth of more than 400mm below the original ground surface over a 20m section or longer, the snig track will be restored by filling in and draining.
- Snig Tracks will be gripped to a standard satisfactory to the Gunns Supervisor **PRIOR** to the completion of the operation

3. Roads

- The Road surface will be graded on completion of the operation. Table drains, culverts and trafficable grips shall be left clear and functional at the completion of the operation or when leaving the area for an extended period of time.

D. CONSERVATION OF NATURAL & CULTURAL VALUES

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

Natural and Cultural Values are being addressed as part of the larger Integrated Impact Statement and specific requirements will be included in the final Forest Practices Plan prior to approval.

- Flora.....
- Fauna.....
- Geoscience.....
- Cultural heritage.....
- Landscape.....
- Soil and Water.....

E1. ESTABLISHING AND MAINTAINING FORESTS

(See also section D. Conservation of Natural and Cultural Values and section F. Management of Fuels, Oils, Rubbish and Emissions.)

Person or organisation responsible for reforestation and having primary responsibility for management of forest practices under this section of the plan Not Applicable.....

Site preparation procedures (eg. clearing, windrowing, ripping, cultivation, mounding, catch drains, areas to be treated differently etc)

- Area will be clear fell and following harvesting the area will be stumped and windrowed for burning at appropriate times

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Burning (eg. planned intensity and timing)

- Windrows will be broadcast burnt as soon as conditions allow

Sowing or planting treatments (artificial sowing, seed zone, natural regeneration, retained growing stock, planting etc)

- Not Applicable

Weed control (describe method(s) to be used)

- Not Applicable

Fertiliser application (describe method(s) to be used)

- Not applicable

Restoration (e.g. drainage of fire breaks and access tracks)

- Not Applicable

Protection of growing stock

Fire protection (e.g. fire breaks and fire management on adjoining land)

- Not Applicable

Browsing (eg monitoring and control treatments)

- Not Applicable

Is there a fire management plan for this area? YES / NO

E2. ASSESSMENT OF REFORESTATION

Stocking standards (specify survey method and stocking standard to be achieved)

- Not Applicable

Survey to be organised by:N/A..... by (date):

F. MANAGEMENT OF FUELS, OILS, RUBBISH AND EMISSIONS

Use of fuels, oils etc:

- Sites for equipment refuelling are to be located at least 40m from any water course to minimise adverse effects on water quality in the event of any spillage and will be surrounded by an earthen bund capable of containing an oil spill.
- Equipment will be maintained so that fuel leaks are minimised.
- Any spills will be contained as soon as possible.
- Fuel Grease and oils stored on site will be stored in a bunded location where any inadvertent leaks will not enter watercourses, swamps or other still waters either directly or indirectly.

Rubbish:

- Rubbish will be removed to an approved disposal site on a weekly basis.

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Other:

Forest Practices Officer (Planning)

Certified by (signature):..... Date:

Name:

Pursuant to a delegation from the Forest Practices Authority under section 43 of the *Forest Practices Act 1985*.

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Date..... Date..... Date.....

FPP No.....