

Forest Practices Act 1985		Forest Practices Plan		FPP No.: KAS0012-01
Certification Number: 2011-0236		Local File ID: -		
Update Type: Initial	Last edit by: []	Created on: 21/02/2011	Updated on: 03/06/2011	

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: SO034F	Location: SO034F, Tylers Spur 7	PTR Number: -
Tenure: State Forest	IBRA 4 region: D'Entrecasteaux	UPI or PID Numbers: -
District: Huon	Municipality: Huon Valley	Landowners: Forestry Tasmania
Map Sheet: PARTRIDGE : 5019	Grid reference: 502200mE, 5199500mN	Principal Processors: Forestry Tasmania
Applicant: Forestry Tasmania, Main road Gæveston, Huon Valley Tasmania 7116, 62957111		

Parent Rock 1: Jurassic Dolerite (JDL)	Soil Description 1: Loamy over clayey (LOC)	Stoniness 1: M
2: []	2: []	2: []

Erodibility Class 1: Moderate (M) 2: [] Majority Slope: 10 deg. Maximum Altitude: 150 m

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

Emergency meeting Point: 147 - RAMINEA - CNR HUON HWY & ESPERANCE RIVER RD

Plan certified by: []	Date certified: 03/08/2011	Plan lifetime: 03/06/2011 - 30/06/2016	Date notice of intent sent: 20/05/2010
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Discrete Operational Phase	Estimated Start Date	Estimated End Date	Details
Roading	03/06/2011	30/06/2013	Main Road Outlet: No Road lengths (km): 1: <not defined> 2: <not defined> 3: 2.1 4: <not defined>
Timber Harvesting	03/06/2011	30/06/2014	Minimum Class of Equipment to be used Dry: C1 Wet: C2 Cable: NA
Reforestation	01/02/2013	30/06/2015	
Reforestation Assessment	01/02/2014	30/06/2016	

Current RFA Forest Community and/or Land Use	Prescription	Ha
Tall E. obliqua forest (OT)	Clearfall followed by Sowing of Native Seed (CF-NF)	46.30
Tall E. obliqua forest (OT)	Road Construction (RC)	4.00
Tall E. obliqua forest (OT)	Areas to be reserved from harvesting (RES)	32.70
E. regnans forest (R)	Clearfall followed by Sowing of Native Seed (CF-NF)	3.50

Net Operational Area: 0.00	Total Area to be Reforested: 48.80	Total Area to be Harvested: 53.00	Total Area of Operation: 104.20
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Current RFA Forest Community and/or Land Use	Prescription	Ha	
E. regnans forest (R)	Road Construction (RC)	0.20	
E. regnans forest (R)	Areas to be reserved from harvesting (RES)	1.00	
Dry E. obliqua forest (O)	Areas to be reserved from harvesting (RES)	2.50	
E. pulchella / E. globulus / E. viminalis grassy shrubby dry sclerophyll forest (P)	Areas to be reserved from harvesting (RES)	15.00	
Net Operational Area: <input type="text" value="0.00"/>	Total Area to be Reforested: <input type="text" value="48.80"/>	Total Area to be Harvested: <input type="text" value="53.00"/>	Total Area of Operation: <input type="text" value="104.20"/>

- Roads will be drained with culverts, table drains or other drainage structures as required.
- Culverts should be spaced as per Table 2 (pg10) of the FPC.
- **Two major drainage depressions, located approx. 300 m and 450 m from Tylers Rd jnc (marked in field with single blue and white tape), to have minimum culvert size of 375 mm as these flow strong water at certain times of the year.**
- All other culverts should have a minimum diameter culvert pipe of 300mm.
- Culverts should be located so they discharge into undisturbed vegetation.

Machinery should be cleaned and washed down prior to being transported to the coupe to minimise the spread of weeds, fungal disease (eg. *Phytophthora cinnamoni*) and other soil pathogens.

C. HARVESTING OF TIMBER:

(For utilisation, segregation and safety requirements, refer to the appendage attached to this FPP).

NO OPERATIONS TO OCCUR WITHIN EAGLE NEST LINE-OF-SIGHT (see attached map) DURING EAGLE BREEDING SEASON, AUG-JAN INCLUSIVE.

- The prescription for this FPP is clearfall and return to native forest.
- **Coupe split into 2 sections by Class 4 SSR and exclusion area (landscape, arch & swift parrot habitat).**
- **A landscape section boundary further splits Section 2 into Section 2a and Section 2b.**
- Machinery should be cleaned and washed down prior to being transported to the coupe to minimise the spread of weeds, fungal disease (eg. *Phytophthora cinnamoni*) and other soil pathogens.

C1. COUPE BOUNDARIES & DEMARCATION

(refer to the FPP map for further detail)

Harvesting of timber will only occur within the harvest boundary defined below and approximate location shown on the attached FPP map.

Northern – Exclusion area (blue tape), Informal reserve (blue & pink tape)

Eastern – Exclusion area/WHC, Stringer Creek Dam lease boundary (blue tape)

Southern – Eagle nest reserve (blue & pink tape), Class 4 20 m SSR (blue tape)

Western – Exclusion area (blue tape)

- All boundaries will be taped with BLUE tape, prior to the commencement of the harvesting operation.
- Majority of the blue tape should be intact and visible at the completion of harvesting and after preparation for burning.

Person/Organisation responsible for harvest boundary marking: Forestry Tasmania

C2. FELLING (see also Conservation of Natural and Cultural Values)

- The prescription is clearfall.
- **In Section 2, Section 2a will be harvested first. When the contractor reaches the section boundary (marked blue and white tape) they will notify the FT harvesting supervisor who will consult with Huon FT Planning Section to assess the visual outcome. If harvesting of Section 2b is to occur, the FT Supervisor will instruct the contractor as to which areas are to be harvested.**
- Trees should be directionally fallen away from harvest boundaries. Where trees cannot be fallen away from boundaries, a decision will be made by a FPO as to whether the tree will be retained or fallen.
- Trees should not be felled into or out of a reserve (wildlife habitat clump, informal reserve, streamside reserve) or exclusion area unless authorised by a FPO for safety reasons. Where a tree accidentally

Initials of parties to the Plan: Applicant: FPO Contractor
Date: Date Date

C6. RESTORATION

Restoration will be carried out progressively as the contractor completes each section of the coupe.

Landings

- Landings will be adequately drained.
- All rubbish to be removed from the site.
- Cording will be aerated and bed logs removed.
- Bark and waste wood should be returned to the forest where possible, if not then the following will apply:
 - Bark and waste wood less than 25 cm diameter will be separately heaped from waste wood greater than 25 cm diameter.
 - Bark heaps will be piled onto a raft of light limbwood (<25cm diameter), on a well drained site that has been previously cleared to mineral soil.
 - Bark and waste wood heaps should be located at least 50m from all harvest boundaries.

Snig Tracks

- Snig tracks will be drained and gripped progressively as parts of the coupe are completed.
- Snig tracks will be drained by cross drains. Cross drains will be:
 - Constructed approximately at right angles to the water flow and have an outlet so that water discharges into harvesting slash.
 - Located to utilise natural draining points.
 - Spaced as per the Forest Practices Code (Table 6, pg 40).
- Depressions and wet, flat sections should be drained where possible.
- Cording and matting will be aerated to facilitate burning.
- Rutting of more than 300 mm below ground level over a 20 m section will be back filled and drained.
- **Cording and logging debris will be removed from the stream crossing point and should be placed outside of the Class 4 SSR/exclusion area.**
- Cording, bark and other debris from the road crossing will be removed with minimum disturbance to the road surface, and ensure drains are functional.

Roading

- Table drains are to be kept clear of debris and culvert outlets are to be kept operational throughout the operation.
- All road surfaces will be left in a trafficable condition as per the original condition.
- Bark and logging debris, resulting from this operation, will be removed from road surfaces (including at truck chain check points) with minimum disturbance to the road surface and formation

Vacating the Coupe

- The Contractor is to complete all works and obtain a Forestry Tasmania Coupe Clearance prior to removing all machinery from the Coupe.
- *The Contractor will, when possible, give 1 weeks notice of impending completion of all works.*

D. CONSERVATION OF OTHER VALUES

(Prescriptions to manage, avoid or minimise disturbance to flora, fauna, geomorphic, archaeological and landscape values).

D1. FLORA

- No special prescriptions

Initials of parties to the Plan: Applicant: *[Signature]* FPO: *[Signature]* Contractor: *[Signature]*
Date: *3/6/11* Date: *8/6/11* Date: *7/6/11*

D2. FAUNA

Swift Parrot

- Exclusion areas for swift parrot (marked with blue tape):
 - A large central aggregate/WHC in the Section 2 (Sth Section) - medium and low density swift parrot foraging habitat.
 - 2 WHCs along the eastern boundary - medium and low density swift parrot foraging habitat.
 - Northern Class 4 SSR and associated exclusion area - low density swift parrot foraging habitat.
 - Exclusion area in western section - low density swift parrot nesting habitat.
- Prescriptions in the burn plan will aim to minimise the risk of exclusion areas and WHCs being burnt.
- A 2-stage burn should be considered to help protect the exclusion area between the two harvest sections.
- Aggregate retention burning principals should be considered in Section 2 to minimise the risk of burning the retained aggregate/WHC.

Wedge-tailed Eagle and White-bellied Sea Eagle

- An eagle nest reserve containing 4 WTE nests is located to the south of the coupe.
- No forestry activities (including roading, harvesting, burning and other activities such as carting, loading, boundary marking) should be carried out within 500 m of the nest or within 1 km line of sight of the nest during the breeding season (August – January inclusive). Exception for browsing management which is to be in accordance with Forestry Tasmania’s Interim procedure for browsing management in proximity of eagle nests during the breeding season.
- Planning of the regeneration burn will aim to minimise the risk of fire entering the eagle nest reserve to the south of the coupe.
- If any additional nests are discovered during the operation the FPA Ecologist is to be notified via the FPO in charge of the operation:
 - If a nest is discovered during the breeding season (August - January inclusive) immediately cease all forestry activity within 500m of the nest or within 1km if in line of sight of the nest. The nest site will be inspected by the FPA Ecologist and/or DPIPW specialist and advice on appropriate further action will be provided as soon as appropriate.
 - If a nest is discovered outside the breeding season (February – July inclusive) cease all forestry activities within 500m of the nest. The nest site will be inspected by the FPA Ecologist and/or DPIPW specialist and advice on appropriate further action will be provided as soon as possible.

Mt Mangana Stag Beetle

- Wildlife habitat clumps and areas excluded from harvest incorporate good examples of the rotting log resource.
- Disturbance to decaying logs should be minimised wherever possible during the operation.

Quolls (spotted-tailed, eastern) & Tasmanian Devil

- Standard Code provisions for fauna (e.g. wildlife habitat clumps, wildlife habitat strips, streamside reserves) within the coupe and in the surrounding area will protect habitat for these species.

Grey Goshawk

- The operation area is unlikely to contain prime grey goshawk habitat. However, if an active grey goshawk nest is found during the operation, the contractor will notify the FPA Ecologist via the Forest Practices Officer in charge of the operation of the nest and all forestry activities will cease within at least 100m of the nest.

D3. EARTH SCIENCES

- Soil erodibility is MODERATE (dolerite soils).
- Attached map shows approximate location of Class 4’s and their associated prescriptions:
 - Northern Class 4 that splits into two Class 4’s in the upper reaches, 10 m SSR.
 - Class 4 in SE section, 10 m SSR.
 - Class 4 that forms the southern boundary, 20 m SSR.

Initials of parties to the Plan: Applicant FPO Contractor.....
 Date: 3/6/11... Date: 05/06/11... Date: 7/6/11

E. ESTABLISHING FORESTS (REFORESTATION)

ORGANISATION RESPONSIBLE FOR REFORESTATION: Forestry Tasmania

NO OPERATIONS TO OCCUR WITHIN EAGLE NEST LINE-OF-SIGHT (see attached map) DURING EAGLE BREEDING SEASON, AUG-JAN INCLUSIVE, exception for browsing management which is to be in accordance with Forestry Tasmania's Interim procedure for browsing management in proximity of eagle nests during the breeding season.

E1. SITE PREPARATION

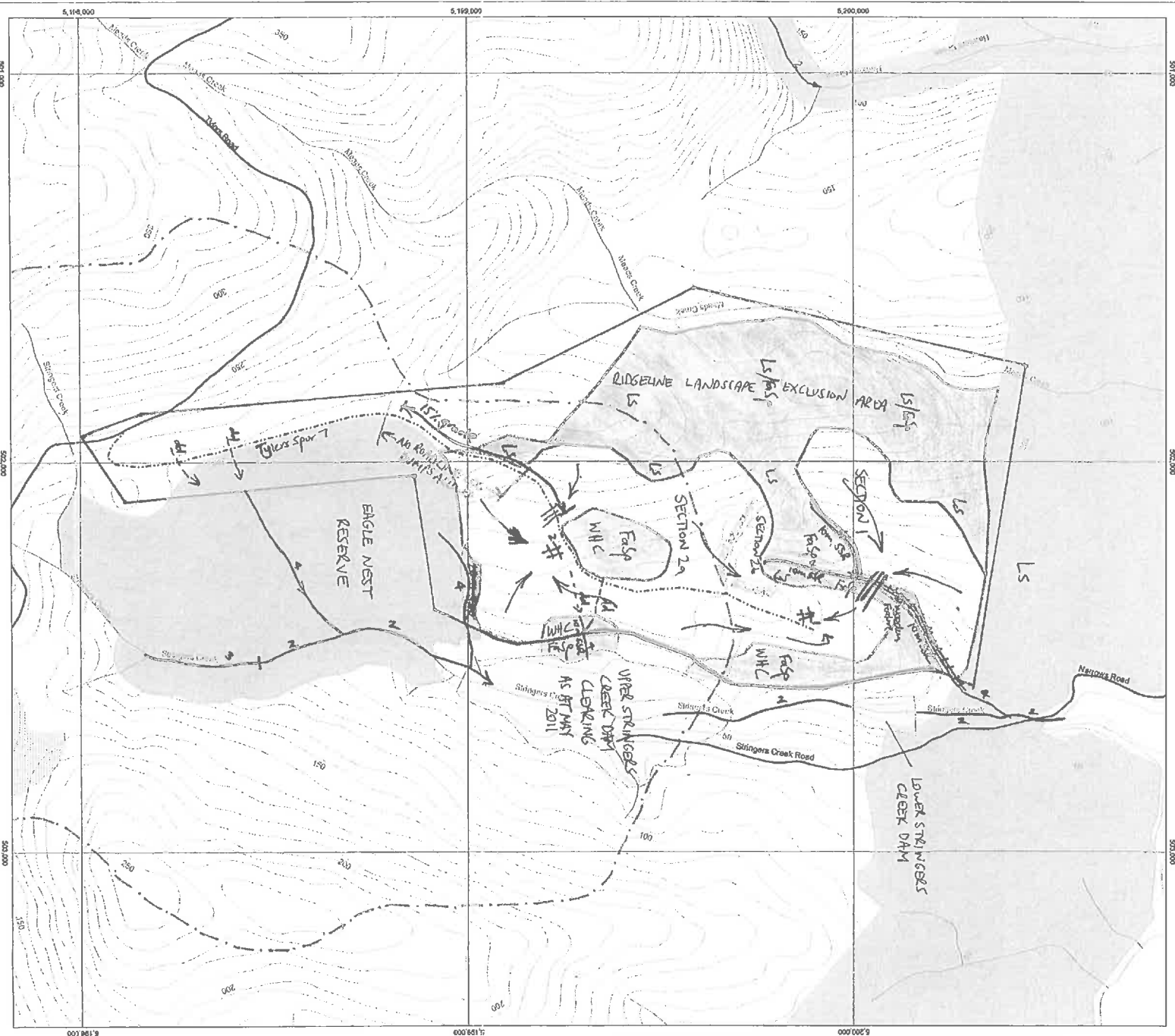
- Machinery should be cleaned and washed down prior to being transported to the coupe to minimise the spread of weeds, fungal disease (eg. Phytophthora cinnamomi) and other soil pathogens.
- All hazardous trees in the harvest area within 40m of the blue tape boundary should be removed. Hazardous tree falling/removal will be as per prescriptions in Section C2 (Felling) of this plan.
- A decision will be made by an FT Supervisor during site preparation if hazardous trees standing outside the harvest area within 40m of the blue taped boundary should remain standing. Stumps of trees removed will be branded with a crown brand and painted. If any of these are in reserved areas as defined in the FPP, consultation must first take place with a FPO.
- Boundary firelines of mineral earth will be constructed and made trafficable to 4WD where possible and deemed necessary. Firelines should be constructed using methods that minimise soil disturbance.
- Site preparation machinery will not enter exclusion areas, WHCs, streamside reserves or other reserve areas and will keep out of drainage depressions, gullies and soaks where possible.
- Harvesting debris will not be pushed into reserve areas, streamside reserves, WHCs or exclusion areas.
- Availability of water during burning will be considered and waterholes will be dug at suitable points (ie. natural soaks and run-off points) around the harvest boundary. Waterholes should not be constructed in Class 4 streams.
- Class 4 streams will be crossed at designated crossing locations (refer FPP map) and disturbance to stream banks and the streambed will be minimised. Cording will be used at crossings unless streambed is dry.
- At completion of site preparation, cording will be removed from stream crossing points, unless authorised by an FT supervisor as needed for access. Cording material should be placed outside of the MEZs.
- Firelines and tracks used for site preparation will be restored as per Section C6 of this plan.

E2. BURNING

- A regeneration burn will be undertaken in late Summer to Autumn under prescribed weather conditions, as detailed in an approved high intensity burning plan.
- Prescriptions will be included in the burn plan to minimise the risk of the fire entering the exclusion areas, WHCs, eagle nest reserve and streamside reserves.
- A 2-stage burn should be considered to help protect the exclusion area between the two harvest sections.
- Aggregate retention burning principals should be considered in Section 2 to minimise the risk of burning the retained aggregate/WHC.
- Appropriate fire equipment, in good serviceable condition, will be available when burning.
- If tracks are required to be constructed to "mop-up" after burning, restoration will be carried out to meet Forest Practices Code specifications and as per Section C6 of this plan.

Initials of parties to the Plan: Applicant..... FPO Contractor.....
 Date: 3/6/11... Date: 03/04/11... Date: 7/6/11

S0034F



Scale 1:10,000

Partridge

LEGEND

502150ME 5199500MN

FPF boundary	Located or marked out road	Contractor boundary	Formal reserves	Exclusion Area	Drainage Depression
Harvest boundary	Provisional mispaved road	Landing	Informal reserves on State Forest	Constraint	LS = Landscape Exclusion Area
Classed Stream	Walking Tracks	Crossing	Informal reserves on other tenures	Hazard	FAGP = Swift Forest Habitat Exclusion Area
Unclassed Stream	hydro/Comms	Bridge	Conditional areas	Water	Old deer track (fire fighting)
Road class 1-3	Contours	Cable setting	Private land		WTC = Wildlife Habitat Clump
Road class 4	Sing direction	Special point feature			--- Eagle nest live-of-sight: no operations AVE-FEB INCUSIVE



Date: Wednesday, May 11, 2011

NOTE: Map co-ordinates are based on GDA94. Topographic map data has been supplied by DPM
 KAS0012 FPP No KAS012 Page 12 of 18 FPO number 276/11 UO

++ Kadd Cutting
 WTC = Wildlife Habitat Clump
 --- Eagle nest live-of-sight: no operations AVE-FEB INCUSIVE
 ● Where feature is covered by forest
 Aspect Area with vegetation
 Appd.:

F. MANAGEMENT OF FUELS, OILS & RUBBISH

- All rubbish to be regularly removed from the coupe to an approved refuse site.
- Refuelling sites and fuel/oil storage sites will be located at least 40 metres from a stream or drainage line to ensure accidental spillages cannot enter a water course and will be surrounded by an earth bund (wall) or bark to contain spillage.
- Fuel tankers will be located so that machinery does not have to be driven along roads to refuel. The access track to the fuel tanker will be corded if required.
- All fuel or oil spills will be contained as soon as possible and clean up procedures will be promptly implemented where necessary.
- Oil from machine servicing will be collected in drums and disposed of at a recognised re-cycling depot.
- Machinery will not be operated with excessive oil leakage if it is contaminating soils.
- Spills that cause or threaten to cause serious environmental harm (10 litre spill where spill can enter drainage line or water course, 200 litre spill elsewhere) will be reported to DPIPW (phone 1800 005 171) as soon as practicable, but within 24 hrs.

Any fuel or chemical spills will be reported immediately to the principal company and Forestry Tasmania (refer to emergency response procedure attached to this FPP for additional instructions).

OTHER

- All road signs, survey marks and other facilities located on State Forest to be protected from damage and respected.

MAP TO SHOW

- Contours, scale, North direction.
- Sites of natural or cultural significance.
- FPP boundaries.
- Areas to be logged and reserved from logging within the FPP boundaries and special treatment areas.
- Existing and proposed roads and proposed major upgrading.
- Streamside management including marked boundaries of streamside reserves.
- Proposed landings.
- Main primary snig tracks and direction of snigging.
- Section boundaries (wet/dry logging areas, cable/conventional logging).
- Additional information as applicable.
- FPP No.

Scale: 1: 10 000 preferred , 1: 25 000 minimum. Key symbols to be used.

DPIPW = Department of Primary Industries, Parks, Water & Environment
 FPA = Forest Practices Authority
 FPO = Forest Practices Officer
 FT = Forestry Tasmania
 MEZ = Machinery Exclusion Zone
 SSR = Streamside Reserve
 WHC = Wildlife Habitat Clump
 WHS = Wildlife Habitat Strip

Initials of parties to the Plan: Applicant: _____ FPO: _____ Contractor: _____
 Date: 3/6/11 Date: 6/6/11 Date: 7/6/11

Forest Practices Officer (Planning)

Certified by (signature): Date: 03/06/11

Name: Kerri Spicer

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

ACKNOWLEDGEMENT OF PERSONS/ORGANISATIONS IN RELATION TO FOREST PRACTICES PLAN No. KAS0012

1. 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 No. KAS0012 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 (for & on behalf of DFM Huon)
 Company or other entity **Forestry Tasmania – Huon District**
 Address **Huon Highway**
Geeveston TAS 7116
 Phone **(03) 62957111**
 Signature
 Date 3/6/11

2. Acknowledgement of applicant

I submit the attached Forest Practices Plan No. KAS0012 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 (for & on behalf of DFM Huon)
 Company or other entity **Forestry Tasmania – Huon District**
 Address **Huon Highway**
Geeveston TAS 7116
 Phone **(03) 62957111**
 Signature
 Date 3/6/11

*Discrete operational phases under this plan include (tick box against each forest practice proposed):

- Road construction
- Assessment of reforestation
- Tree fern harvesting
- Tree clearing
- Timber harvesting
- Quarry operation
- Forest establishment (including reforestation, ie. restocking land with trees)

Initials of parties to the Plan: Applica..... FPO Contractor.....
 Date 3/6/11 Date 3/6/11 Date 7/6/11