

Forest Practices Act 1985

Forest Practices Plan

FPP No.:

Certification Number:

Local File ID:

Update Type: Last edit by: Created on: Updated on:

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:	<input type="text" value="PA141B"/>	Location:	<input type="text" value="Warrentina Road"/>	PTR Number:	<input type="text" value="-"/>
Tenure:	<input type="text" value="State Forest"/>	IBRA 4 region:	<input type="text" value="Ben Lomond"/>	UPI or PID Numbers:	<input type="text" value="-"/>
District:	<input type="text" value="Bass"/>	Municipality:	<input type="text" value="Dorset"/>	Landowners:	<input type="text" value="FORESTRY TASMANIA"/>
Map Sheet:	<input type="text" value="DERBY: 5644"/>	Grid reference:	<input type="text" value="561544mE, 5446376mN"/>	Principal Processors:	<input type="text" value=""/>
Applicant:	<input type="text" value="FORESTRY TASMANIA, PO Box 126 Scottsdale, Bass TAS 7260"/>				

Parent Rock 1:	<input type="text" value="Devonian Granite & derived Tertiary deposits (DGT)"/>	Soil Description 1:	<input type="text" value="Sandy or Loamy over clayey (SLC)"/>	Stoniness 1:	<input type="text" value="M"/>
Parent Rock 2:	<input type="text" value=""/>	Soil Description 2:	<input type="text" value=""/>	Stoniness 2:	<input type="text" value=""/>

Erodibility Class 1: 2: Majority Slope: Maximum Altitude:

Within town water catchment:	<input type="text" value="Yes"/>	Within a landscape zone in a Municipal Planning Scheme:	<input type="text" value="No"/>
Water Intake:	<input type="text" value="41 - Mt.CameronWater Race - Gladstone"/>	Known Domestic Water Supply Intake within 2km:	<input type="text" value="No"/>
Distance to Intake:	<input type="text" value="42.0 km"/>	Net Area of Crown Land Reserve:	<input type="text" value="27.6 ha"/>

Emergency meeting Point:

Plan certified by:	<input type="text" value="PLR - Rosevear P"/>	Date certified:	<input type="text" value="12/08/2010"/>	Plan lifetime:	<input type="text" value="13/08/2010 - 31/08/2015"/>	Date notice of intent sent:	<input type="text" value="29/07/2010"/>
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Discrete Operational Phase	Estimated Start Date	Estimated End Date	Details
Timber Harvesting	<input type="text" value="13/08/2010"/>	<input type="text" value="31/08/2012"/>	Minimum Class of Equipment to be used Dry: <input type="text" value="C1"/> Wet: <input type="text" value="C1"/> Cable: <input type="text" value="NA"/>

Current RFA Forest Community and/or Land Use	Prescription	Ha
Plantation : E. nitens (PEN)	Thinning (THN)	<input type="text" value="27.60"/>
Net Operational Area: <input type="text" value="27.60"/>	Total Area to be Reforested: <input type="text" value="0.00"/>	Total Area to be Harvested: <input type="text" value="27.60"/>
		Total Area of Operation: <input type="text" value="27.60"/>

PLR 12/08/10 B 12/08/2010

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.
- A copy of the approved FPP and all subsequent variations will be available on site from the time of commencement of operations.
- Operations will not commence until the contractor is fully briefed on site by Forestry Tasmania Representative.
- Logging, Construction and Regeneration machinery is to be washed down prior to arriving on site as per *Washdown Guidelines for Weed and Disease Control Machinery, Vehicles & Equipment Edition 1*.

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 Forestry Tasmania

General

- Access to the coupe is via Warrentina Road and Warrentina 5.1 Road . (Forestry Tasmania to maintain). There will be no new road construction required under this FPP although maintenance of existing roads may be required prior to harvesting commencing.

Formation:

- NA

Drainage:

-

Gravelling:

- May be carried out as required to maintain a stable running surface.

Surfacing

- NA

Maintenance

- The harvesting contractor is responsible for keeping the table drains, culverts and trafficable grips clear and functioning at the completion of the operation or prior to leaving the area for extended periods.
- Roads will be maintained and restored to their original shape, ensuring a stable running surface and a drainage system that operates effectively. This includes all silt traps and drainage structures that are to be regularly inspected and maintained by clearing accumulated sediment.
- **It is the responsibility of the contractor to cease carting when:**
 - trucks are unable to travel under their own motive power,

Initials of parties to the Plan: Landowner & Applicant *B* FPO *PLR*
 Date *12/16/10* Date *12/28/10*

- turbid water or mud runs in wheel ruts deeper than 100mm in the running surface of the road for a distance greater than the required culvert distance for that section of road.
- At completion of operations, road will be graded, if necessary, to provide a surface profile which will effectively drain the road pavement.

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 **Forestry Tasmania**.....

General

All coupe boundaries (or a suitable discrete area of the coupe, agreed to between the contractor and FT Representative) must be marked prior to operations commencing. The contractor must check with the FT Representative that this has occurred prior to the harvesting operation commencing.

Landings

- Landing sites will be located generally as indicated on the FPP Map.
- Landings may be moved or new landings constructed with the **prior** approval of a Forestry Tasmania Representative. Any moved or additional landings will be recorded on a map and filed with the original FPP.
- Landings (including logging debris) should be kept as far as practical from watercourses and will be kept at least 40m from the boundary of a streamside reserve or Class 4 machinery exclusion zone.
- Landing sites will be well drained at all times.
- Wood will be processed within the coupe and forwarded to a landing as marked on the FPP map.
- All rubbish to be removed on a **weekly** basis.

Forwarder Tracks

- General forwarder directions are indicated on the FPP map.
- Forwarder tracks are to be located so as to cause minimum damage to retained stems and allow for best drainage .No more than 3 major Forwarder tracks should be in use at any one time.
- Slash should be used along Forwarder tracks to reduce soil disturbance
- No watercourse bed or drainage line will be used for snigging along.
- Main Forwarder tracks will be “temporary gripped” prior to extended shutdowns.
- Machinery should not cross or travel on roads unless authorised by a FT representative prior to the movement.
- **It is the responsibility of the contractor to cease logging when wet weather limitations apply as per Section C2 of the Forest Practices Code.**

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 Date *12/8/10* Date *12/8/10*

Felling prescriptions

- The prescription for this operation is 1st thinning of an *E.nitens* stand.
- The coupe boundary is marked with blue tape. **No trees to be felled outside, or over this line.**
- The present stocking of the coupe is 1015 total stems per hectare and 431 pruned stems per hectare. The coupe will be maintained at a stocking of approximately 300 sph. This is to be achieved by removing every 5th row as an outrow and removing 2 in every 3 trees aiming at a distance of approximately 4 to 5 metres between retained trees. ALL PRUNED TREES ARE TO BE RETAINED where possible. Where no pruned trees are available for retaining, dominant well formed unpruned trees are to be kept to make up the 300 stems per hectare stocking. The required stocking is to be retained at an even distribution.
- Patches of smaller trees may be identified by the contractor and a FT representative. A decision will be made whether to thin them or leave them to grow on.

QUALITY REQUIREMENTS OF THINNING OPERATION

- Quality assessments will be carried out by a representative of Forestry Tasmania during the course of the operation.
- Plots will be put in by the contractor and an average of 15 trees per plot in a radius of 12.62m should be maintained.
- Damage should not exceed 5% of retained pruned stems. Wound (damage) size should be less than 3.5cm² (ie. Egg size).
- Where damage levels exceed the tolerance level, an officer of Forestry Tasmania has the right to suspend the operation until the cause of the damage is identified and rectified.
- To minimise damage, the following prescription will be adopted for this operation:
- Unwanted stems (wattles or wildings) will be felled rather than pushed out of the way.
- Processing will take place in the coupe in natural gaps where possible.
- Adequate turning space will be provided for trucks and harvesting machines at landings.
- Processed wood will not be stockpiled against butts of retained trees.
- "Expendable" trees used as pivot trees at turning points may be left as high stumps to protect retained pruned stems.
- Contractor will use heads and waste to matt the snig tracks to stop rutting and maintain the harvesting equipment on a level plane.
- Once felled, stems are to be placed conveniently so as to reduce damage during processing or snigging.
- Mechanical directional falling is to be used to assist processing and extraction and to minimise tree damage.
- Stump heights are to be retained as low as possible.

Streamside management and special water quality protection measures

There are 3 Class 4 streams which occur outside the harvest boundary these will be treated as per the FPC 2000 and are protected by stream side reserves.

There are no streams within the coupe. If any streams are identified whilst harvesting apply the following point.

- Any additional class 4 streams and drainage lines occurring within the coupe will be treated as per the provisions of the Forest Practices Code 2000.

Initials of parties to the Plan: Landowner & Applicant *13* FPO *P.R.*
Date: *12/2/10* Date: *12/02/10*

Streamside reserve and harvesting boundaries to be marked by:

Person or organisation nominated: **FORESTRY TASMANIA**

How marked: **With blue flagging tape**

Harvesting restoration

- The harvesting contractor is responsible for restoration of the coupe. There will be limited movement of machinery until restoration is completed to the satisfaction of Forestry Tasmania.

Landings

- **Drainage**, On completion of each logging section or where areas are to be left for three months or more, landings will be drained, and water flowing towards landings will be diverted into the surrounding vegetation or silt traps.
- Adequate drainage should be carried out into surrounding vegetation to reduce puddling and erosion.

Forwarder tracks

- Forwarder track restoration and drainage will be done progressively as harvesting of sections of the coupe are completed.
- Where Forwarder tracks are rutted to a depth of more than 300mm below the original ground level over a 20m section or longer, forwarder tracks will be restored by filling in and draining.
- Forwarder tracks will be gripped to a standard satisfactory to Forestry Tasmania, prior to the completion of the operation. Grips will be constructed at approximately right angles to the water flow and have an outlet so that water discharges into the surrounding vegetation or logging slash.

Fire Prevention

All hazardous forest operations will comply with the forest industry fire prevention protocol, "Fire Prevention at Timber Harvesting Operations": Procedures for initiating closures due to severe fire weather and specifications for fire weather monitoring and fire fighting equipment. For the purpose of Fire weather Warnings issued by the Bureau of meteorology this coupe falls within the North-East district.

Firebreaks

If the establishment of firebreaks is not practicable on the harvest boundary, provisions may be made Forestry Tasmania to construct firebreaks outside the harvest area, this is to be carried out by the Forest Establishment contactor.

Additional tracks will be recorded on a map and filed with original FPP.

Initials of parties to the Plan: Landowner & Applicant *B* FPO *PLR*
Date *12/8/10* Date *12/08/10*

Roads

The road pavement will be restored to its original shape. Table drains, culverts and trafficable grips shall be left clear and functioning at the completion of the operation or when leaving the area for an extended period

- Will be kept trafficable at all times
- If used by the forwarder during extraction, then slash must be removed prior to a clearance being given.

Other

D. CONSERVATION OF NATURAL & CULTURAL VALUES

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

Flora
No special prescriptions required.....

Fauna

Recommendation 7 for the grey goshawk (13 March 2002)

Protect any remnant potential nesting habitat occurring along all streams in this situation. Retain wildlife habitat clumps and/or at least a 10 m streamside reserve either side of a class 4 stream where there are areas of remnant grey goshawk nesting habitat i.e. wet gullies with mature blackwoods or myrtle. Every effort should be made to avoid burning any retained vegetation alongside these streams or at least minimising the intensity of the burn. If an active nest is found in remnant patches during the operation, notify the FPB Zoologist (or DPIWE specialist) and keep forestry activities at least 100m away from the nest until the young fledge or the FPB Zoologist or DPIWE specialist advises. Contact the FPB for further advice on future management of this nest site. Ideally, the nest site should be protected from future disturbance by inclusion in some form of reserve. Where this cannot be accommodated, a permit will need to be issued for the removal of the nest site.

Recommendation 4 for the wedge tailed eagle (13 March 2002)

Although a nest has not been found during a pre-logging search conducted on the 30/04/2010, this is not a guarantee that no nests occur in the harvest area or immediately adjacent to the area. Therefore, please instruct contractors to notify the FPB Zoologist via the Forest Practices Officer in charge of the operation if any nests are discovered during the operation.

If a nest is discovered during the breeding season (August - January inclusive) immediately cease all forestry activity within 500 m of the nest or within 1 km if in line of sight of the nest. The nest site will be inspected by the FPB Zoologist and/or DPIWE specialist and advice on appropriate further action will be provided as soon as possible.

If a nest is discovered outside the breeding season (February - July inclusive) cease all forestry activities within 500 m of the nest. The nest site will be inspected by the FPB Zoologist and/or DPIWE specialist and advice on appropriate further action will be provided as soon as possible. At this time of year in most situations the operation can resume outside the agreed 10 ha reserve boundary.

Geoscience

No special prescriptions required.....

Cultural heritage

No special prescriptions required.....

Initials of parties to the Plan: Landowner & Applicant *PLB* FPO *PLR*
Date *12/12/10* Date *12/09/10*

Person or organisation responsible for organising Aboriginal archaeological survey **NA**.....

Landscape

No special prescriptions required.....

Soil and Water

Ringarooma River Intake # 41. Mt Cameron Water Race - Gladstone. Distance from coupe – 42km.

Avoid disturbance of remaining native vegetation along streamside reserves.

Apply relevant prescriptions in Forest Practices Code page 47 (Plantation Streamside reserves).

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 **FORESTRY TASMANIA**

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

- Not applicable

Burning (eg. planned intensity and timing)

- Not applicable.

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)

- No application required.

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

- As per Forest Practices Code for Restoration of Snig tracks and Access tracks but with roll-over grips.

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 Date *12/8/10* Date *12/08/10*

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:NA..... by (date):

F. MANAGEMENT OF FUELS, OILS, RUBBISH AND EMISSIONS

Use of fuels, oils etc

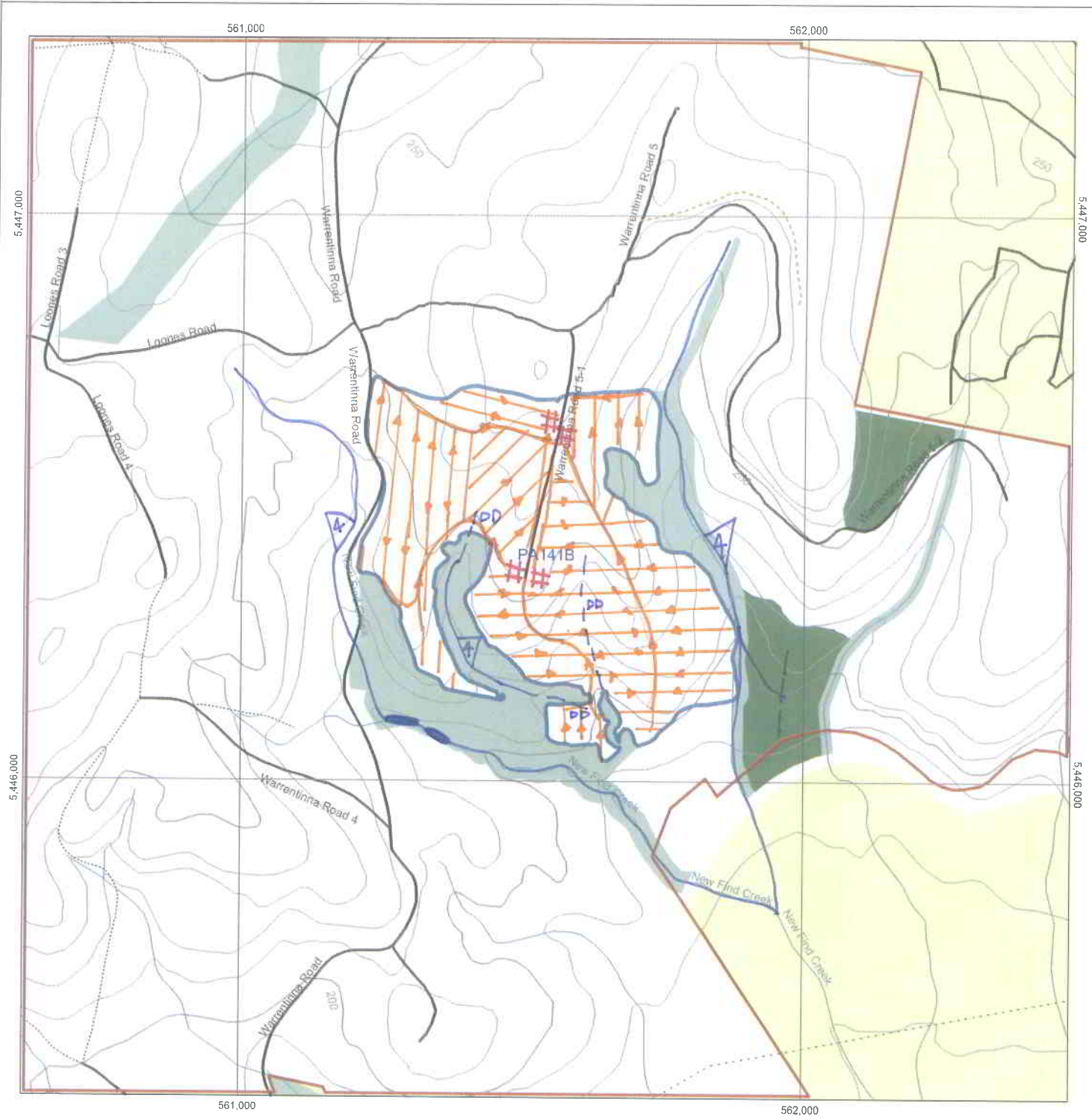
- Sites for equipment refuelling are to be located at least 40m from any water course to minimise adverse effects on water quality in the event of any spillage and will be surrounded by an earthen bund capable of containing an oil spill.
- Equipment will be maintained so fuel leaks are minimised.
- Fuel, grease and oils to be stored on site will be stored in a banded location where any inadvertent leaks will not enter watercourses, swamps or other still waters either directly or indirectly.
- Any spills will be contained as soon as possible.
FT Environmental Management System (EMS) Emergency Response Procedures, *Spill Control – Fuel and Oils* will be strictly adhered to.

Rubbish

- Rubbish such as oily wastes, fuel and oil drums, filters and oily rags will be regularly removed as they are generated or emptied to a collection depot suitable for receiving hazardous wastes.
- All other rubbish eg. wire ropes, plastic wrappings etc., will be removed regularly to a collection depot or transfer station or recycled if appropriate.

Initials of parties to the Plan: Landowner & Applicant B FPO PLR
 Date 12/6/10 Date 12/08/10

PA141B



Scale 1:10,000

Mapsheet: DERBY 5644

Harvest Area 27.6 hectares

A4P



LEGEND

Map Centre Coordinates: 561544 mE, 5446376 mN

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

Date: Wednesday, 28 July 2010



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

Prepared by: Wayne Shaw-Johnston

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Coupe: PA141B

FPP No:

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FPO Initials: *WJS*

L/O: *13/12/10*

Appl: *13/12/10*

12/10/10