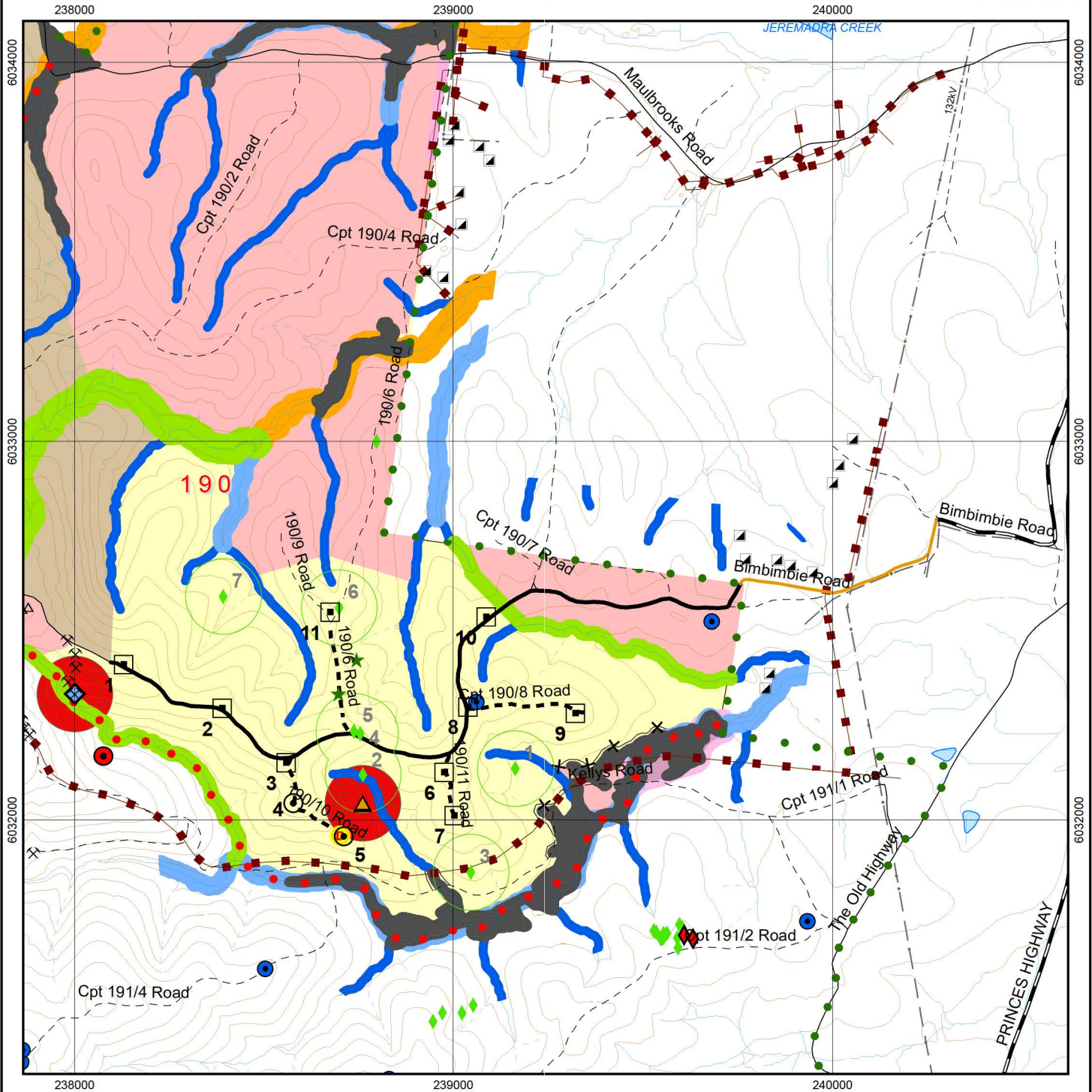
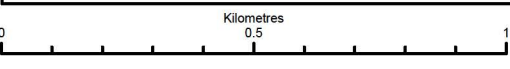


- | | | | | | |
|--|-------------------------|--|-----------------------|--|--------------------------------|
| | Emergency Meeting Point | | Sealed | | Planning Unit |
| | Helicopter Landing Area | | Natural Surface (4WD) | | Special Management (FMZ 2) |
| | Evacuation Route | | Coastline | | Harvesting Protection (FMZ 3A) |
| | Haulage Route | | Main Rivers | | Non Forest Use (FMZ 7) |
| | Highways | | WaterBodies | | State Forest |
| | Towns | | Vacant Crown Land | | National Park Estate |
| | | | Compartment Boundary | | |







**FORESTRY CORPORATION OF NSW, HARDWOOD FORESTS DIVISION
HARVEST PLAN FOREST TYPE MAP**

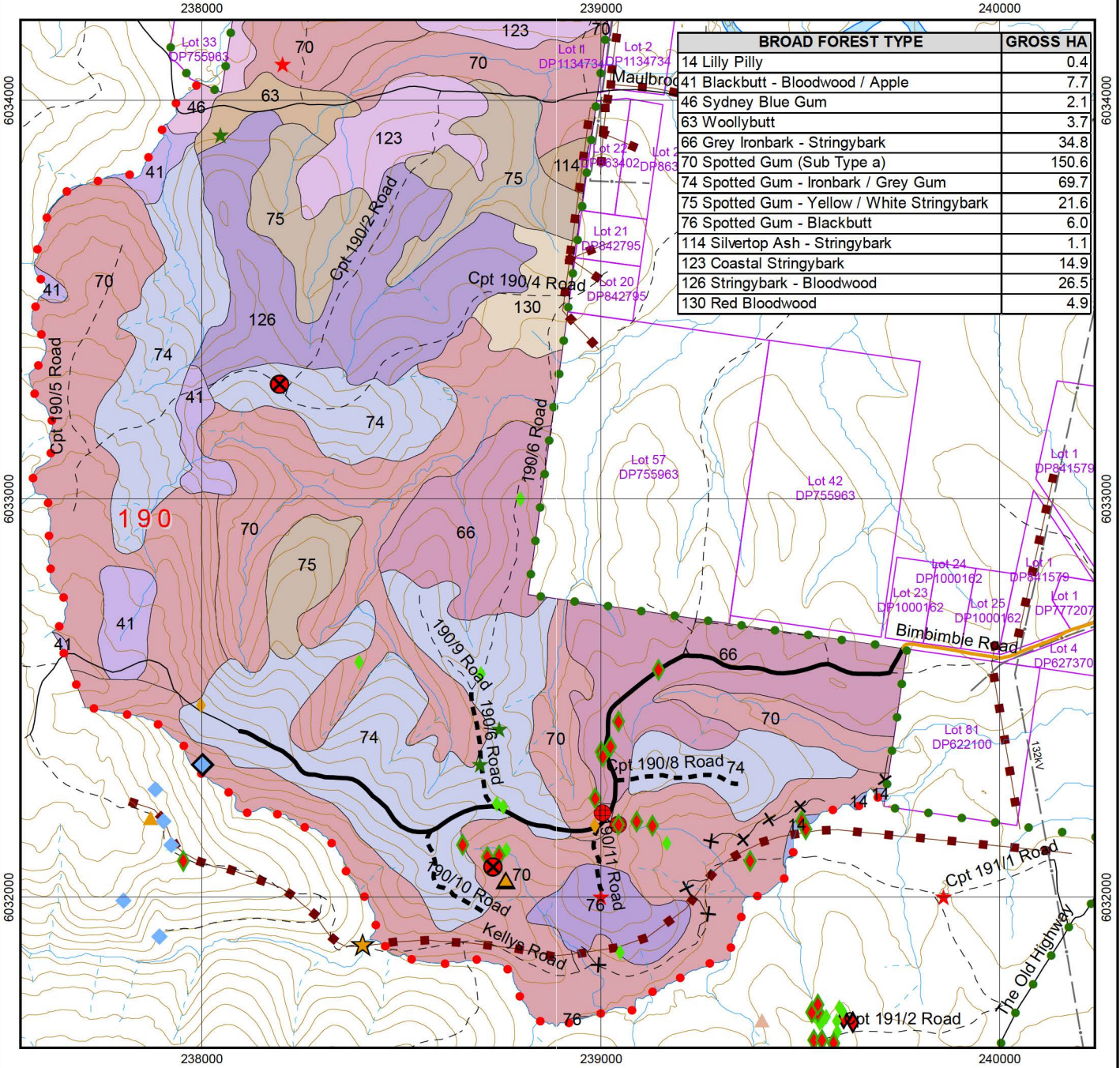
MOGO Forest
NO. 549
Cpt No:190
Management Area:BATEMANS BAY
Mapsheet:MOGO(8926-3N)

Plan Name: HP_BB_190_17
Plan No:56837

VERSION: 1

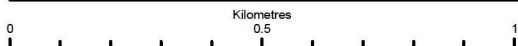
GN M 1:15,000
Contour Interval 10m
GDA_1994_MGA_Zone_56

Date Printed: 20/09/2017



BROAD FOREST TYPE	GROSS HA
14 Lilly Pilly	0.4
41 Blackbutt - Bloodwood / Apple	7.7
46 Sydney Blue Gum	2.1
63 Woollybutt	3.7
66 Grey Ironbark - Stringybark	34.8
70 Spotted Gum (Sub Type a)	150.6
74 Spotted Gum - Ironbark / Grey Gum	69.7
75 Spotted Gum - Yellow / White Stringybark	21.6
76 Spotted Gum - Blackbutt	6.0
114 Silvertop Ash - Stringybark	1.1
123 Coastal Stringybark	14.9
126 Stringybark - Bloodwood	26.5
130 Red Bloodwood	4.9

- | | | | | | |
|--|-----------------------------------|--|---------------------------------------|--|--|
| | Subterranean Bat Roost | | Common/Eastern Bentwing-bat | | Type 41 Blackbutt - Bloodwood / Apple |
| | Sooty Owl | | State Forest Boundary | | Type 46 Sydney Blue Gum |
| | Yellow-bellied Glider (Heard) | | Compartment_Boundary | | Type 63 Woollybutt |
| | Masked Owl | | LiDAR Corrected Drainage | | Type 66 Grey Ironbark - Stringybark |
| | Yellow-bellied Glider (Feed Tree) | | Indicative Unmapped Drainage Features | | Type 70 Spotted Gum |
| | Yellow-bellied Glider (Den) | | Major Roads (EPL Standard) | | Type 74 Spotted Gum - Ironbark / Grey Gum |
| | Glossy Black-Cockatoo | | Haulage Roads (Not Shire or Private) | | Type 75 Spotted Gum - Yellow / White Stringybark |
| | Glossy Black-Cockatoo (Feed Tree) | | Major Roads (other) | | Type 76 Spotted Gum - Blackbutt |
| | Square-tailed Kite | | Minor Roads (EPL Standard) | | Type 114 Silvertop Ash - Stringybark |
| | Square-tailed Kite (Nest/Roost) | | Other Roads | | Type 123 Coastal Stringybark |
| | Gang-gang Cockatoo | | Contours 10m interval | | Type 126 Stringybark - Bloodwood |
| | Southern Myotis | | Powerline | | Type 130 Red Bloodwood |
| | Greater Glider | | Underground Cable | | WaterBodies |
| | Little Lorikeet | | Proposed Control Line | | Private Property |
| | | | Type 14 Lilly Pilly | | |



WHS Tool / Resource **2.1.3 Site Safety Plan**

This site safety plan is for all FCNSW operations of more than one day duration or where an operational plan is in place. Where a contractor is responsible for the work to be undertaken, the contractor must develop their own site safety plan.

A Medical Emergency Evacuation Plan (MEEP) has been developed and is included below


Location	
Forest Name: Mogo	Specific location details: Compartment 190
Date work commenced:	
Description of Work to be undertaken on site: Forest mark-up, road maintenance and/or construction, harvest supervision, compliance monitoring	
On site communication:	
Radio channel number	VHF UHF
Other (e.g. mobile phone numbers of other workers on site, hand signals):	
Site Supervisors	
Name:	Contact number:
Site workers including contractors	
Name:	Contact number:
First Aid Kit locations	
First Aiders on site	
Hazardous chemicals on site	Safety Data sheet location
Mandatory PPE required	Task specific PPE required
Appropriate safety footwear High visibility clothing Long sleeve shirt and trousers	<input type="checkbox"/> Hearing Protection <input type="checkbox"/> Gloves <input type="checkbox"/> Eye Protection <input type="checkbox"/> Hard hat <input type="checkbox"/> Other

A number of hazards are common to all forest sites. All workers should be aware of the following hazards and ensure appropriate control measures are in place.

Common forest and outdoor hazards				Control	Responsibility	
Element	Type	Number	Version	Owner	Date Effective	Review Date
2	Tool/Resource	2.1.3	1.0	H & S Manager	July 2014	July 2016
Site Safety Plan				This document is not controlled when printed		

Exposure to sun	Long sleeve clothing, sunscreen, work in shade where possible,	All workers
Exposure to heat, rain and cold	Appropriate clothing, adequate water supply, plan work for cooler times of the day where possible	All workers
Overhead hazards/dangerous trees	Identify and remove dangerous trees in work area. Where unable to remove, mark trees. Assessment of work areas prior to commencement and ongoing with changing weather and wind. Wear hard hat	Supervisors, contractors and all workers
Bites and stings	Permethrin treated clothing Insect repellent Long sleeved shirt/long trousers	All workers
Slips and trips/uneven ground	Boots worn and maintained in good condition Use of aids- walking poles, carry bags, spikes etc	All workers
Mobile Plant	Safe zones established Traffic management systems in place	Supervisors and workers
Vehicle collision at road intersections and road sides	Warning signs at FCNSW road intersections, implement traffic control plans, 60km/hr speed limit on unsealed forest roads, vehicle headlights on at all time when driving.	All workers
Overhead powerlines or cables	Assess every individual tree for directional felling and degree of risk. Do not fall trees towards overhead hazard if within two tree lengths.	Supervisors and contractors
Underground cables, pipelines	Minimise ground disturbance across or along cables & pipelines. Increase depth of earth cover if required.	Supervisors and contractors
Mine shafts/quarries	Assess snig track routes and tree felling paths prior to operating. Identify and mark site accordingly.	All workers
Dust from passing vehicles along dirt haulage routes	Restrict speed to minimise dust generation, slow down when passing vehicles. Turn on driving and hazard lights to increase visibility.	All workers

SITE SAFETY PLAN DEVELOPMENT

Date of of initial plan development	Developed By	Position	Signature
04/09/2017	Megan Costello	Senior Planner	

SITE SAFETY REVIEW

The site safety plan must be reviewed by the site supervisor at a minimum of every 3 months and reviews recorded below. Where changes are made to the site safety plan, these must be recorded on the plan. A new plan may need to be printed where changes are significant.

Date of review	Changes made? If yes, document changes	Conducted by	Initials

3.5.3 Medical Emergency Evacuation Plan

WHS Tool/Resource

Emergency Meeting points are shown on the attached Locality Map

	Description	MGA; Zone for EMP; and Lat/Long for helicopter landing point
Phone Reception	Good throughout compartment	
Emergency Meeting Point	EMP 38. Intersection of Maulbrooks Road and Princes Highway	Lat/Long: 35° 48' 12.0" S / 150° 7' 54.5" E MGA: 240821 E 6034067 N
Helicopter Landing point	Cleared field directly to the East of the intersection of Maulbrooks Road and Princes Hwy	Lat/Long: 35° 48' 12.9" S / 150° 8' 3.0" E MGA: 241035 E 6034047 N

Procedures to obtain ambulance assistance	
<ol style="list-style-type: none"> 1. Dial 000 2. If there is no mobile coverage, dial 112 (which will work on any accessible mobile phone system). 3. If no response on 112: <ul style="list-style-type: none"> • use a radio link (TARA, be discrete with personal information) • move to an area with mobile coverage • find a landline • use another network (e.g. a contractor's VHF radio) 	<p>The nearest Forestry Corporation of NSW office is: Batemans Bay</p> <p>Contact on:-</p> <p>Channel: 165</p> <p>Telephone: 1300 880 548</p> <p>Give details of the situation and ask for a 000 call to be placed.</p>

000 operator question:	Response:
1. Police, Fire, Ambulance?	Ambulance is required Nearest control centre for ambulance: Wollongong
2. Suburb?	State Forest name: Mogo Nearest town or locality: Mogo Nearest ambulance station: Surf Beach
3. Address?	Maulbrooks Road
4. Nearest road junction/cross street?	Maulbrooks Road and Princes Highway
5. Local Government Area?	Eurobodalla Shire
6. Nature of the problem?	Describe the accident, number, age and condition of casualties. Are they conscious, are they breathing?
7. Where is the accident?	Refer to safety meeting point above
Directions to navigate from nearest ambulance station to the emergency meeting point.	Turn left onto Tallgums Road, travel for 1km to intersection with Ridge Road and Dunns Creek Road. Turn onto Dunns Creek Road and travel for 5.5km. Turn right onto Tomakin Road and continue for 4.3km. Turn left onto Princes Hwy and travel for 2.5km to the intersection with Maulbrooks Road on the right hand side.
8. 4WD ambulance required?	Yes/No: UHF radio channel to use:
9. Injuries?	Give detailed information about the condition of the casualty (do not mention names over radio system)
10. Your name and call back number:	

Element	Type	Number	Version	Owner	Date Effective	Review Date	
2	Tool/Resource	2.1.3	1.0	H & S Manager	July 2014	July 2016	Page 2 of 8
Site Safety Plan				This document is not controlled when printed			

Hardwood Forests Division

Harvest and Haul Plan



State Forest	Mogo	Compartments	190
Management Area	Batemans Bay	IFOA Region	South Coast
Harvest Plan No.	56837	Supply Zone	Coastal
Legal Conditions	<p>Native Forest Harvesting in accordance with IFOA conditions.</p> <p>Specified Forestry Activities do not have EPL coverage.</p> <p>To implement this plan you must hold a current Contractors Licence.</p> <p>Standard Harvest Plan Conditions and Operating Procedures apply.</p> <p>Survey expiry date for this plan is 16/09/2022.</p>		
Certification	Timber products removed from the plan area are within the Defined Forest Area covered by Australian Forestry Standard AS4708:2013 Certificate 604224		
Prepared by	Planner		Date: 20/09/2017
	Megan Costello		
Approved by	Operations Planning Mgr		Date: 20/09/2017
	Lee Blessington		
Abbreviations	<p>FT = Forest Technician, HC = Harvesting Coordinator, PtS= Protection Supervisor, HS = Harvesting Supervisor, RC = Roading Coordinator, Crew = Harvest Contractor/Forest Operators, IFOA = Integrated Forestry Operations Approval, TSL = Threatened Species Licence, EPL = Environment Protection Licence, FL = Fisheries Licence, CH = Cultural Heritage, SOP = Standard Operating Procedure.</p>		

1. Harvest Area Details

	Cpt 190
Plan Compartment ID	126287
Gross Area (ha)	350
Harvest Area	98
Estimated Yield	2,230
Yield/ha	22.8
Slope (% 0-20 degrees)	98.5
Slope (% 20-25 degrees)	1.4
Slope (% 25-30 degrees)	0.1

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Contractor must ensure timber removed is allocated to the correct compartment when entered into Electronic Delivery Docket.

2. Management Conditions on Boundaries

Boundary	Conditions
Private Property	Private property occurs adjacent to the northern and the eastern boundary of the compartment, as indicated on the HPOM. Private property owners have been notified of the scheduled harvesting and post-harvest burning. The PP boundary must be located and marked by the FT. The boundary location should be identified using on ground survey markers (cairns, blazes, pegs etc) and compass bearings. As a last resort FCMApp and GPS may be used with caution. Seek advice from the planner if required.
FMZ	<p>FMZ 3A Harvesting Excluded, FMZ 7 – Non Forestry Use (Utilities) and FMZ 4- General Management occur within the compartment and are shown on the HPOM.</p> <p>FMZ 3A – Harvesting and harvesting machinery are not permitted in these areas. Crew must protect these boundaries using GPS as shown on the HPOM.</p> <p>FMZ 7 (Utilities) – This area is within the Excluded Forest area and is shown on the HPOM. Harvesting is not permitted in these areas.</p>
Research	<p>Permanent Growth Plots – A PGP (PSD 250) is located south of the compartment (see HPOM) and will not be impacted by harvesting.</p> <p>Any other inventory plots located during the harvesting operation which are not shown on the HPOM or described above are to be treated the same as the surrounding area.</p>
Cultural Heritage	Surveys have been conducted. If any potential heritage sites are identified notify the planner immediately.

3. Expected Yields

Product Estimates	Volume (m3)
HQ Large Sawlog (Quota)	700
HQ Small Sawlog	460
Poles, Piles and Girders	0
LQ Sawlog (Salvage)	270
Pulp (1m3 = 1.2t)	480
Firewood/Misc (1m3 = 1.2t)	320
Total	2,230

Species	Species Mix (Sawlog)
SG	50%
IBK	22%
SBK	14%
BBT	11%
YS	3%

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4. Haulage

Haul Route	Exit east along Bimbimbie Road onto Princes Highway as shown on the HPOM.
Dust and Mud	Homes immediately adjacent to Bimbimbie road may be adversely impacted by noise created by log haulage. Truck drivers should reduce speed and minimise the use of engine brakes near these homes. All vehicle operators are responsible for minimising dust on Bimbimbie road adjacent to homes.
Operating hours	Restrictions apply to haulage contractors, refer to table 5 below.

5. Community

Issue	Detail	Conditions
Noise	Close to nearby residences	When hauling in areas close to residential properties, operating hours will be limited to between 6am and 8pm Monday to Friday, and 8am to 12pm on Saturdays and Sundays.
Notifications Required	Nil	All relevant notifications have been conducted. A notification list for FCNSW staff is available from the planner. Contact details are included as an Appendix to this Harvest Plan.
Pests/Weeds	Myrtle Rust	Is known to occur in Eurobodalla Shire. To prevent further spread the crew/haulage operators must ensure all harvesting machinery, equipment and vehicles heading west from Eurobodalla Shire or south into Victoria are checked and all infected vegetation removed.
Forest Permits	2 apiary ranges are occupied.	Log dumps 1 – 10 are occupied. Bee Permit holder must be contacted by the HC at least two weeks prior to use of any log dumps that are occupied by bee hives. Log dump 8 is also a permanent set down site. The crew must leave the dump free of debris and the dump surface even and flat.

6. Infrastructure

Infrastructure	Conditions
Utilities Underground	Optus Cables: Telecommunication cable owned by Optus runs parallel to the powerline legal easement across Bimbimbie Road and is shown on the HPOM and marked in the field with Telecom cable markers.

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	<p>There is to be no disturbance to the surface of Bimbimbie Road in this location. If it occurs, the crew must immediately report any damage to 1800 500 253.</p> <p>Telstra Cables:</p> <p>Telecommunication cable owned by Telstra runs along Maulbrooks Road and the eastern boundary of the compartment and is shown on the HPOM and marked in the field with Telstra cable markers. This is within Excluded Forest.</p> <p>Telecommunication cable owned by Telstra runs parallel to Kellys Road and is shown on the HPOM. No field markers have been found. Prior to snigging over the cable the crew must contact an Accredited Plant Locator (Coastal Cable Locators Pty Ltd) on 02 4457 1258 or 0427 975 777 to determine cable depth and suitable crossing point prior to commencing the activity.</p> <p>If there is any damage to the cables, the crew must immediately report the incident to 13 22 03.</p>
Transmission lines	<p>A 132Kv transmission line operated by Essential Energy is shown on the HPOM crossing Bimbimbie Road.</p> <p>There are additional powerlines (unknown voltage) running parallel to and crossing Bimbimbie Road. Check route prior to hauling and floating in equipment to ensure adequate clearance underneath the powerlines.</p>
Control Lines for hazard reduction burning	<p>Proposed control lines for hazard reduction burning are shown on HPOM and are to be constructed by the crew. Where a control line is required, the location of control line is to be determined by the HC and may vary somewhat than the locations on the HPOM. Existing snig track patterns must be utilised wherever possible, rather than creating new control lines.</p>

7. Harvesting Conditions

Silviculture Type	Harvesting Objectives and Condition for each stand condition
<p>STS Heavy</p> <p>Dumps 1-9</p> <p>(or mapped Resource Unit)</p>	<p>The harvest area was affected by wildfire in 1968 and 1981. It was initially harvested to provide mining access in 1964, 1975, and 1981 and was last harvested in 2003-04 under a STS light regime. A hazard reduction burn was conducted in 1979, 1987, 1994, and 2005.</p> <p>It is characterised as a mixed aged mature, over-mature and advanced regrowth forest dominated by Spotted Gum with a smaller proportion of Ironbark, yellow and white Stringybark, and Blackbutt. The objective is to remove no more than 80% of the basal area within the harvest area to create canopy openings for regeneration, whilst retaining and minimizing damage to young regeneration, advanced re-growth; and seed, habitat and recruitment trees. A minimum BA of 4m² per hectare is to be retained within the harvest area. Retained trees should be evenly spaced throughout the resource unit</p> <p>Crew to retain well-formed seed trees of preferred species at ~40 m spacing</p> <p>HC to instruct crew to retain patches of quality advanced regeneration where they occur.</p>

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	Crew to remove all merchantable stems not marked for retention and ensure mechanical disturbance creates a suitable seed bed for regeneration. The crew is responsible for protecting retained seed trees and retaining patches of advanced regeneration.		
Future Treatment Area	Mapped as Excluded Forest. To be retained for future harvesting treatments and to manage IFOA basal area limits for this harvesting event.		
Monitoring	The HC must conduct Basal Area monitoring in areas treated with STS Heavy and STS medium. Any changes to treatment and offset areas need to be endorsed by the Operations Planning Manager.		
IFOA Limits	STS Heavy	Future Treatment	Total
STS Tract	98ha	143ha	241ha
Pre-harvest BA	20m ²	16m ²	4,247m ²
Post harvest BA	4.0m ²	16m ²	3,238m ²
Planned Removal	80%	0%	45%

8. Tree Retention - refer to TSL booklet for full conditions

Prescription	Condition/Responsibility																																								
Mark-Up – the FT is responsible for marking up the forest ahead of harvesting operations consistent Forest Mark Up and Tree Retention SOP																																									
Compartment Mark-Up Survey (5.1, 5.2)	Compartment mark-up surveys must be conducted at least 100m in advance of operations. The survey must search for threatened and protected species features listed in conditions 5.1 and 5.2 of the TSL.																																								
Hollow-bearing and Recruitment tree retention (H and R)	Regrowth Zone – TSL 5.6 conditions apply. Additional H trees for Greater Glider condition does not apply. FT must select and mark 5 H trees/ha where available and one R for each H retained.																																								
Significant Food Resources (5.6 g)	FT must mark for retention- 4 Eucalypt feed trees/2 ha where they occur. All glider sap feed trees, stands of forest oak and forest oak feed trees must be marked for retention. <table border="1" data-bbox="576 1601 1355 2029"> <thead> <tr> <th>ID</th> <th>Species</th> <th>Coordinate</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>YBG Feed Tree</td> <td>239165 E / 6032136 N</td> <td>marked with orange tape</td> </tr> <tr> <td>2</td> <td>YBG Feed Tree</td> <td>238763 E / 6032120 N</td> <td>marked with orange tape</td> </tr> <tr> <td>3</td> <td>YBG Feed Tree</td> <td>239048 E / 6031862 N</td> <td>marked with orange tape</td> </tr> <tr> <td>4</td> <td>YBG Feed Tree</td> <td>238756 E / 6032228 N</td> <td>marked with orange tape</td> </tr> <tr> <td>5</td> <td>YBG Feed Tree</td> <td>238739 E / 6032235 N</td> <td>marked with orange tape</td> </tr> <tr> <td>6</td> <td>YBG Feed Tree</td> <td>238700 E / 6032561 N</td> <td>Not known to be marked</td> </tr> <tr> <td>7</td> <td>YBG Feed Tree</td> <td>238394 E / 6032591 N</td> <td>Not known to be marked</td> </tr> <tr> <td></td> <td>GB Feed Tree</td> <td>238698 E / 6032333 N</td> <td>2 trees marked with orange tape</td> </tr> <tr> <td></td> <td>GB Feed Tree</td> <td>238746 E / 6032423 N</td> <td>Tree marked with orange tape</td> </tr> </tbody> </table>	ID	Species	Coordinate	Comments	1	YBG Feed Tree	239165 E / 6032136 N	marked with orange tape	2	YBG Feed Tree	238763 E / 6032120 N	marked with orange tape	3	YBG Feed Tree	239048 E / 6031862 N	marked with orange tape	4	YBG Feed Tree	238756 E / 6032228 N	marked with orange tape	5	YBG Feed Tree	238739 E / 6032235 N	marked with orange tape	6	YBG Feed Tree	238700 E / 6032561 N	Not known to be marked	7	YBG Feed Tree	238394 E / 6032591 N	Not known to be marked		GB Feed Tree	238698 E / 6032333 N	2 trees marked with orange tape		GB Feed Tree	238746 E / 6032423 N	Tree marked with orange tape
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	Stringybark species, Ironbark and Spotted Gum are suitable E tree species present in these compartments.
Harvesting - crew and HC responsibilities	
Protection of Retained Trees (5.6g)	<p>Trees marked or selected for retention must not be felled.</p> <p>The crew must minimise damage to H, R and E trees by using directional felling.</p> <p>Harvesting debris should not accumulate within 5 m of retained trees. Where debris does accumulate the crew must be removed or flattened to < 1m high.</p> <p>The HC must be notified of any badly damaged retained trees and they must assess and record if a replacement retained tree is required.</p>
Stag Retention (Dead standing trees 5.6e)	<p>The crew should retain stags where safe to do so.</p> <p>The crew must record the date, DBH, risk and location of unsafe stags removed</p>
Significant food resources	The crew should avoid damaging flowering or fruiting banksias or grass trees.

9. Site-Specific Flora and Fauna

Condition	Boundary Type	Prescription
Riparian Habitat Protection (5.7) (Lidar Corrected)	Pink Tape	<p>Implement filter strip (hard) and protection zone (soft) around drainage features as shown on the HPOM. Refer to SOP1.</p> <p>FT must mark the location of UMDL with pink & yellow (5m) and 1st order protection zone boundary with pink tape.</p> <p>The crew will locate and protect all 2nd order and above streams with GPS.</p>
Threatened Ecological Community (TEC)	Pink and Yellow Tape	<p>TEC occurs in the southern edge of the compartment adjacent to the harvest area and is also found throughout the compartment within the Excluded Forest area. Indicative maximum extent of EEC is shown on HPOM.</p> <p>The FT must mark as an exclusion the EEC boundary in the field as shown on the HPOM.</p> <p>The crew must protect all areas of marked EEC</p>
Rainforest (5.4)	Pink Tape	<p>Rainforest is mapped in the compartment and shown on the HPOM.</p> <p>The FT must identify the rainforest type (temperate or depauperate) and boundary then mark an exclusion zone based on the rainforest type. Changes to the rainforest boundary must be recorded by the FT</p>

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		<p>The FT must search for and mark all areas of unmapped rainforest.</p> <p>The crew must protect all areas of Rainforest.</p>
Ridge & Headwater Habitat (RHH) (5.8)	Pink Tape	<p>RHH is mapped in the compartment.</p> <p>The FT must mark as an exclusion the RHH boundary as shown on the HPOM.</p> <p>The crew must protect all areas of RHH.</p>
Rocky Outcrops and Cliffs (5.11)	Pink Tape	<p>Rocky Outcrop is mapped in the compartment.</p> <p>This is contained within the FMZ 3A Harvesting Exclusion Zone.</p> <p>The crew must protect all areas of rocky outcrop and cliff.</p>
Feed trees for Yellow Bellied Glider and Glossy Black Cockatoo	Pink Tape and paint	<p>FT must ensure mapped feed trees are marked prior to harvesting.</p> <p>Crew must protect all marked feed trees.</p>
Square-tailed Kite Nest	Pink Tape	<p>A Square-tailed Kite Nest is located within CPT 190 at E238762 N6032044 as indicated on the HPOM.</p> <p>FT must ensure Square-tailed Kite Nest 100m exclusion zone is marked prior to harvesting.</p> <p>Construction of Dump 5 can only occur outside of the Square-tailed Kite Nest 100m exclusion zone. Dump 5 is to be located on the south-side of 190/10 Road. If it is not possible to construct the dump in this location, this dump is not to be used.</p>
Subterranean Bat Roost	Pink Tape	<p>An old mining tunnel that is now host to a subterranean bat roost is located within CPT 190 at E 238013 N 6032299 as indicated on the HPOM.</p> <p>FT must ensure subterranean bat roost 100m exclusion zone is marked prior to harvesting.</p>
Fish	N/A	No fisheries licence conditions apply.
Marine Park	N/A	<p>Marine Park: Habitat Protection Zone occurs along Jeremadra Creek immediately adjacent to the northern boundary of compartment 190.</p> <p>No protection zone is required to be marked.</p>

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10. Soil & Water – Refer to EPL Booklet for full conditions

Issue	Assessment	Conditions
EPL Scheduled Activity	No	
Unmapped drainage Line harvesting	Not Permitted	The FT must mark UMDL's using pink & yellow (5m) tape
Inherent hazard level	2	Nil
Dispersible Soils	No	NII
Mass Movement / Instability	No	Nil
Seasonality Conditions	No	Nil
Historical or existing erosion	No	Nil
Ground cover	>70%	Nil
Seasonal Burning conditions	No	Nil
Log Dumps	SOP 5	HC is responsible for authorising moving the location of a log dump.
Roading management during harvesting	SOP 6	Refer to SOP 6. HC is responsible for monitoring road and crossing drainage during haulage.
Wet Weather and Rutting	SOP 6	Crew is responsible for implementing automatic closures and following notified closures. HC is responsible for ensuring crew notified when notified closure is lifted.
Snigging	SOP 8	Crew is responsible for progressive drainage of snig tracks
Snig Track Crossings	SOP 9	HC is responsible to ensure snig track crossings are approved prior to use and rehabilitated upon completion.

11. Crossing Approvals

There are no crossings required in this plan – any other feature crossings must be assessed, recorded below and approved by the Planning Supervisor before use.

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14. Standard Operating Procedures: The following SOP's apply to this plan. FCNSW staff and the crew must hold a copy on site whilst operating and comply with the conditions set out in each SOP.

Procedure Number	Title
1	Drainage Feature Protection
2	Exclusion Zone Boundary Management
3	Forest Mark-Up
4	Operating in Inherent Hazard Level 3 Areas
5	Log Dump Operation and Use
6	Road and Crossing Management and Wet Weather Controls
7	Safety Requirements
8	Snigging and Snig Tract Crossings
9	Tree felling and servicing of logs and products

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15. **Roading Plan:** Maintenance works not completed by RC must be recorded and passed onto the HC for completion and documentation. The start and finish dates of all maintenance and construction must be recorded on the individual roading sheets along with other relevant changes or explanations. All rubber flaps on minor forest roads must be removed and replaced with trafficable rollover banks on completion of operation.

Summary of roading requirements		
Feature	Details	Works Required
Existing roads to be used.	3,233m/5	Yes
New roads to be constructed	0	NA
Existing crossings used	0	NA
New crossings to be constructed	0	NA
Length of road >10°	0	NA
Borrow pits and gravel pits	0	NA
Mass movement prescriptions apply	No	NA
Dispersible soil conditions apply	No	NA
Seasonality provisions apply	No	NA

Checklist of works required on roads & crossings				
Road/Crossing Name	Works Required	Date Started	Date Finished	Initials
Bimbimbie Road 2,157m <i>FCNSW Responsibility</i>	Road has been assessed for drainage and meets EPL requirements. No works are required. RC/HC Comments:			
190/10 Road 291m <i>Contractor Responsibility</i>	Clear vegetation up to 3m either side. Planner has not assessed drainage spacing on this road. Road requires in-fill of minor ruts, re-shaping and installation of new drainage in order to meet EPL standard. The road follows the ridge; mitre drains will be sufficient. RC/HC Comments:			
190/6 Road 300m <i>Contractor Responsibility</i>	Clear vegetation up to 3m either side. Planner has not assessed drainage spacing on this road. Road requires re-shaping. Install drainage as required to meet EPL standard. RC/HC Comments:			

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<p>190/11 Road 171m</p> <p><i>Contractor Responsibility</i></p>	<p>Clear vegetation up to 3m either side. Planner has not assessed drainage spacing on this road. Road requires re-shaping. Install drainage as required to meet EPL standard. The road follows the ridge; mitre drains will be sufficient.</p> <p>RC/HC Comments:</p>			
<p>190/8 Road 314m</p> <p><i>Contractor Responsibility</i></p>	<p>Clear vegetation up to 3m either side. Planner has not assessed drainage spacing on this road. Road requires re-shaping. Install drainage as required to meet EPL standard. The road follows the ridge; mitre drains will be sufficient.</p> <p>RC/HC Comments:</p>			