

Tanja State Forest

Compartments 2102, 2104 & 2108

(current as at 23/08/2011)

Estimated Areas:

Cpt	Gross harvest area (ha)	Net harvest area (ha)
2108	45.3	16.8
2102	246.6	110.6
2104	138.8	67.3
Total	406	220

Exclusion Zones

Refer to operational maps.

Compartments 2102 & 2104

1. Ridge & Headwater - 40m corridor.
2. Rainforest with 20m buffer.
3. Riparian Zones
4. S/opes over 30 degrees.

Compartment 2108

1. Wetland with 40m buffer.
2. Rainforest with 20m buffer.
3. Riparian Zones
4. S/opes over 30 degrees - only occur within excluded area.

Modified Harvesting Areas

Refer to operational maps

FMZ 38 - (Visual) - 50% canopy retention

Cpt 2108 100% of Net Harvest Area

Cpt2102 - 58%

Cpt2104 - 58%

Soils

Soil report to be completed.

Ecology

Historic fauna records found with Skm of the compartments -

Powerful Owl, Yellow-bellied Glider, Sooty Owl, Glossy Black Cockatoo, Australasian Bittern, Black Bittern, Southern Brown Bandicoot, Gang Gang Cockatoo, Sooty Oystercatcher, Pied Oystercatcher, Spotted-tailed Quoll, Little Lorikeet, Varied Sittella, Barking Owl, Little Eagle, Flame Robin, Hooded Plover, Eastern Ground Parrot, Scarlet Robin, Little Tern, Olive Whistler, Australian Fur Seal, Grey-headed Flying Fox, Southern Giant Petrel, Pink Robin, Koala (records from 1933-1993), White-fronted Chat, Long-nosed Potoroo, Osprey, Eastern Bent-wing Bat, White-footed Dunnart, Swift Parrot, Eastern Pygmy Possum, Square-tailed Kite, Common Bent-wing Bat, Humpback Whale, Southern Right Whale, Shy Albatross.

Matted Bush Pea, Bega Wattle, Narrow-leafed Wilsonia, Yellow Loosestrife

Historic fauna records found within compartments and immediate surrounds (<1km)
Powerful Owl, Sooty Owl, Yellow-bellied Glider, Eastern Bentwing bat, Eastern Pygmy Possum, Gang Gang Cockatoo, Koala (records from 1933-1993), Varied Sittella, Hooded Plover, Little Lorikeet, Little Tern, Osprey, Pied Oystercatcher, Sooty Oystercatcher, Southern Brown Bandicoot, White-fronted Chat

Pre-harvest surveys not yet completed.

Cultural Heritage

Database search shows no known sites within planned compartments or immediate surrounds.

Cultural Heritage Survey completed by the Bega Local Aboriginal Land Council in August 2011 - no sites identified.

3 x Native Cherry "Bush Tucker" trees were identified for protection during harvesting operation.

Logging History

Compartment 2102- Previously harvested in an alternative Coupe system in 1977 (coupes 1 (part), 2,4,5, & 7) and between 1991 and 1993 (coupes 9 & 11).

Highly selective sawlog harvesting operation was also carried out in 1981 across entire compartment.

Compartment 2104- Previously harvested in an alternative Coupe system between 1978 and 1981 (coupes 2,3,9,10, & 11).

Compartment 2108 - Nil records

Catchments

Major Catchment

All compartments are located within the Bega and Dry River Catchment area.

Proportion of area by tenure across the Bega and Dry River Catchment.

Bega River Catchment Area	284,054 ha	
National Park estate	115,312 ha	41%
State Forest	18,714ha	7 %
Remaining area	150,028 ha	52%

(Private Property/Vacant Crown land/etc)

Total NHA within Catchment 194.7ha 0.07

Sub Catchment

Compartments 2104 & 2108 are entirely located within the Bega Estuary Sub-catchment. Coupes 1 - 8 of compartment 2102 are also located within the Bega Estuary Sub-catchment.

Proportion of area by tenure across the Bega Estuary Sub-catchment.

Bega Estuary Sub-catchment Area	10,317 ha	
National Park estate	2,874 ha	28%
State Forest	522 ha	5%
Remaining area	6,921 ha	67%

(Private Property Vacant Crown land/etc)

Total NHA within Sub-catchment 150ha 1.5%

Coupe 10 of compartment 2102 is located within the Bega River Sub-catchment.

Proportion of area by tenure across the Bega River Sub-catchment.

Bega River Sub-catchment Area	12,895 ha	
National Park estate	Nil	
State Forest	336 ha	3%
Remaining area	12,559 ha	97%

(Private Property/Vacant Crown land/etc)

Total NHA within Sub-catchment 44.7h: 0.3%

Immediate Compartment Catchments

Cpt 2102

Area catchment	1,588 ha
Total net harvest area	110.6ha 7% of immediate catchment

Cpt 2104

Area catchment	658 ha
Total net harvest area	67.3ha 10% of immediate catchment

Cpt 2108

Area catchment	82ha
Total net harvest area	16.8ha 20% of immediate catchment

Proposed Silviculture

Cpt 2102

Standard integrated operation (Modified Shelterwood) to apply to 42% of NHA.
Modified prescription integrated operation to apply to 58% of NHA. Increased stem retention rates in areas that are visible from Bega Township and Tathra Township.
50%
of canopy prior to logging to be retained in these areas.

Cpt 2104

Standard integrated operation (Modified Shelterwood) to apply to 42% of NHA.
Modified prescription integrated operation to apply to 58% of NHA. Increased stem retention rates in areas that are visible from Bega Township and Tathra Township.
50%
of canopy prior to logging to be retained in these areas.

Cpt 2108

Modified prescription integrated operation to apply to entire NHA. 50% of canopy prior to logging to be retained in these areas to maintain visual amenity.

Estimated Yield

Comp.	Ha (gross)	Ha (NHA)	Sawlog (m3/ha)	Total Sawlog (m3)	Pulplog (m3/ha)	Total Pulp (m3)
2102	246.6	110.6	10	785	42	3272
2104	138.8	67.3	10	475	42	1980
2108	45.3	16.8	10	84	25	208
Total	430.7	194.7		1344		5460

Proposed Haulage Route

Compartments 2102 & 2104 - Reedy Swamp Road, Tarraganda Lane.

Compartment 2108 - Goats Knob Road, Tathra-Bermagui Road, Dr George Mountain Road, Tarraganda Lane.

Truck haulage per day: average 12 truck movements per day (i.e. 6 loaded, 6 empty).

Wildfire History

It appears from compartment history files that a wildfire occurred in this area in 1981.

Access issue

Private property & National Park boundary considerations.

Consultation

Consultation is planned or has occurred with the following stakeholders:

- Bega Local Aboriginal Land Council/Elders
- Bega Valley Shire Council
- Adjoining PP Landholders
- Interest Groups - WIRES/Nature Conservation Council/South East Forest Rescue .
- National Parks & Wildlife Service .
- Apiarists

Miscellaneous

Occupational Permit

Compartment 2102 Coupe 1 .

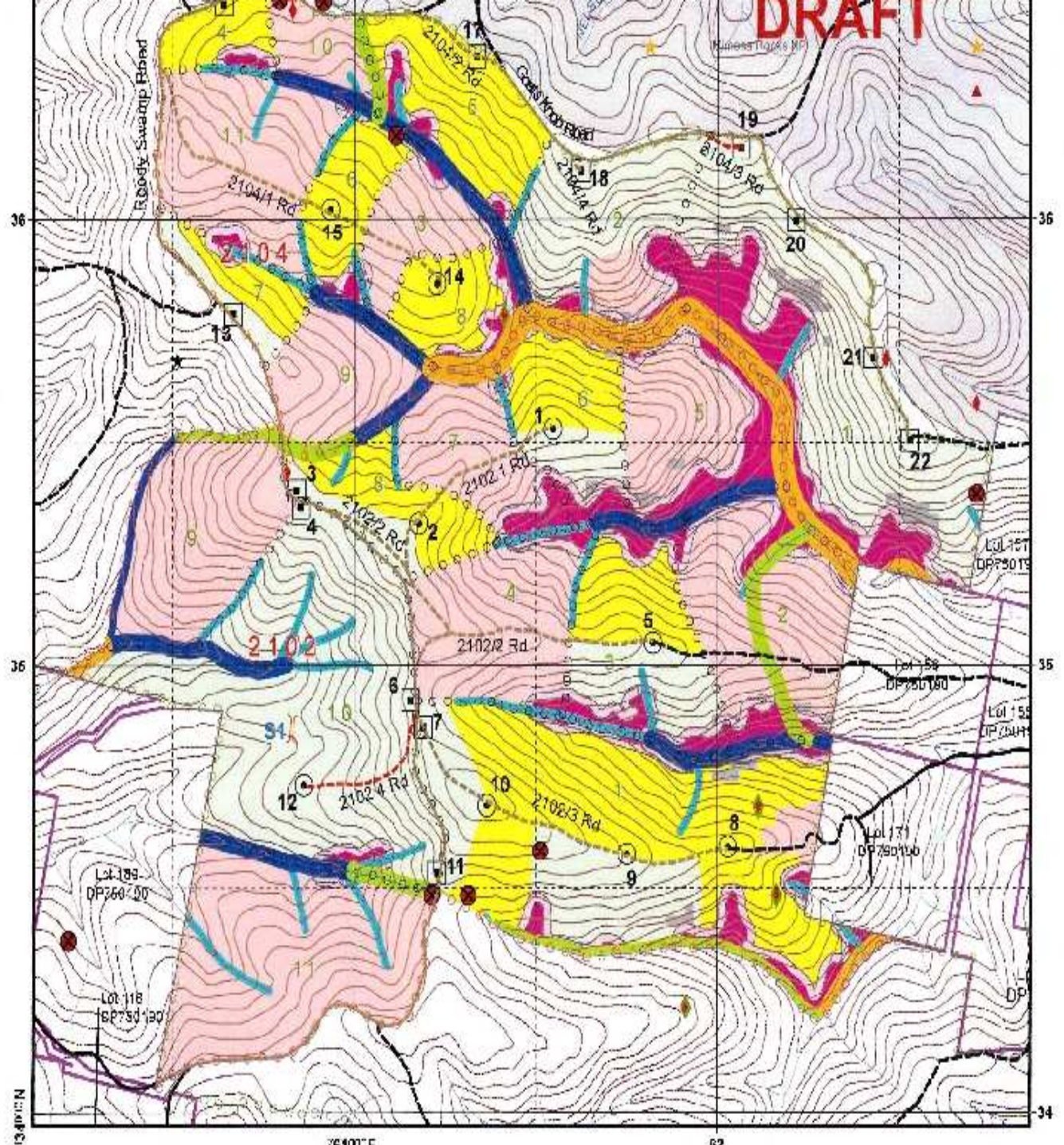
Recreation

No official or known recreational sites other than typical bushwalking, bike riding, bird watching, etc.

Regrowth comparison Areas:

Compartments 2174 and 2175 Mumbulla SF

DRAFT



<p>BOUNDARIES</p> <ul style="list-style-type: none"> ○ ○ ○ State Forest Boundary ○ ○ ○ Compartment Boundary ○ ○ ○ Coupe Boundary <p>ROADS</p> <ul style="list-style-type: none"> — Major Fords: - - - Minor Fords: — EPL Standard Existing (Major) - - - EPL Standard Existing (Minor) — EPL Licenced (New Construction) <p>STREAM EXCLUSION ZONES (EPL IHC 2 & TSL)</p> <ul style="list-style-type: none"> — Mapped LIC Drainage 1st Order (15m each side) 2nd order (20m each side) 3rd order (30m each side) 4th order (50m each side) 	<p>TENURE</p> <ul style="list-style-type: none"> □ National Park Estate □ Private Property <p>DUMPS & CROSSINGS</p> <ul style="list-style-type: none"> ⊙ Temporary Dry Weather ⊙ Temporary Wet Weather — New Crossing <p>NET HARVEST AREA</p> <ul style="list-style-type: none"> ■ FMZ 4 - MSW ■ FMZ 3B (Visual) - Modified Prescription 	<p>NON HARVEST AREA</p> <ul style="list-style-type: none"> ■ Ridge & Headwater Habitat (40m) ■ Rainforest and Buffer (20m) - Indicative ■ Slope >30 (HI 4) ■ Excluded Forest <p>FAUNA FEATURES</p> <ul style="list-style-type: none"> ● Sooty Owl ★ Gang Gang Cockatoo ▲ Varied Sittella ▲ Scarlet Robin ◆ Yellow-bellied Glider ◆ Yellow-bellied Glider (Hearc) ★ Knala (record from 1992) ★ Eastern Pygmy possum ★ Common Bentwing-bat
---	--	--



Prepared By: Shane Clohesy

Harvest Plan Operational Map

Compartment: 2108

State Forest: Tanja No: 544

SOUTHERN REGION - Native Forests

Map Sheet: Bega 8824-1S

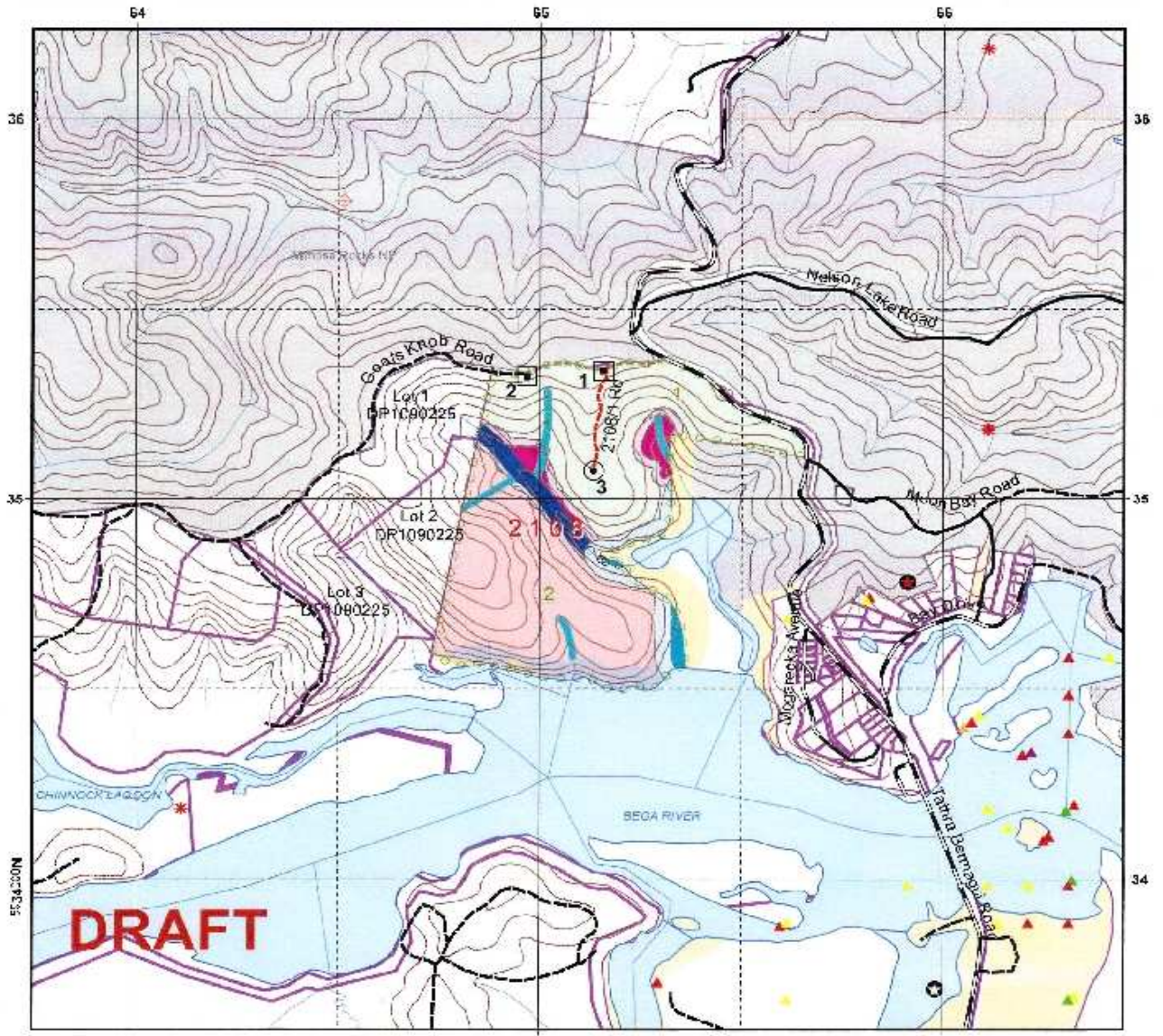


Version: 1

REGIONAL MANAGER APPROVAL

APPROVED:

DATE: / /



BOUNDARIES	TENURE	NON HARVEST AREA	FAUNA FEATURES
<ul style="list-style-type: none"> State Forest Boundary Coupe Boundary 	<ul style="list-style-type: none"> National Park Estate Private Property Vacant Crown Land 	<ul style="list-style-type: none"> Wetland and Buffer (40m) Rainforest and Buffer (20m) Excluded Area Waterbodies Mapped EECs - Swamp Oak Floodplain/ Riparian/ Eucalypt Forest/Freshwater Wetlands 	<ul style="list-style-type: none"> Powerful Owl Little Lorikeet White-faced Chat Pied Oystercatcher Little Tern Hooded Merganser Oystrey Sooty Oystercatcher Koala Long-nosed Potoroo Southern Brown Bandicoot
ROADS	DUMPS	NET HARVEST AREA	
<ul style="list-style-type: none"> Sealed Major Forest Minor Forest EPL Standard Existing (Minor) EPL - Licenced (New Construction) 	<ul style="list-style-type: none"> Temporary Dry Weather Temporary Wet Weather 	<ul style="list-style-type: none"> 1M/3M (Visual - MSW Modified Prescription) 	
STREAM EXCLUSION ZONES (EPL IHC 2 & TSL)			
<ul style="list-style-type: none"> Mapped LIC Drainage 1st Order (15m each side) 2nd order (20m each side) 			

